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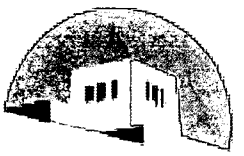
THE UNIVERSITY OF NEW MEXICO



2009-2010

ANNUAL REPORTS

Volume I

ANNUAL REPORTS
2009-2010

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Division of Enrollment Management

2009-10 Annual Report

Submitted by Terry Babbitt

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Enrollment Management Division
Annual Report
2009-2010

SUMMARY:

The enrollment management division outlined an ambitious set of goals for academic year 2009/2010. Many of the goals have been completed, some are in progress to be completed by the beginning of this fall, and some have been quite challenging to meet. Attached please find our detailed Work Plan that identifies each goal and below is a summary of some of our initiatives.

The move to the SSSC building provided us a venue to harmonize our back office operations and it allowed enrollment management staff to move out of working in silos and instead commence with the process of cross-training to assist with whatever tasks were asked of them. We were able to manage the three One-Stop operations successfully, utilizing all of our resources and minimizing costs to the division and the university. Also, for two years in a row, we reduced our operating budget successfully through the use of exceptional managerial persistence in making sure that every dollar that was spent was spent wisely to meet our goals. We anticipate by the end of the fiscal year that we will have saved over $943,000 in salary and operating expenses. This will allow us to address some of our longstanding goals of producing an **online catalog, predictive modeling, transfer and international brochures, and upgrade some of our desktop computers.**

The division was most effective in its implementation of its three One-Stop centers. The test to this new concept came during our peak registration period in the fall 2009 and in spring 2010. Lines in the two physical locations were non-existent and the most a student had to wait was 5 minutes. This is unlike in the past, where the lines were unmanageable and students often left without being serviced. The One-Stop Communication Center was quite successful compared to past performance in answering phones. However, much needs to be improved in the communications center to bring a much quicker level of service to those that call. For those who we serve by either answering the phones or in person, currently the level of satisfaction is at 94%. We continue to monitor daily our student satisfaction surveys enabling us to respond quickly to their respective needs.

We were challenged this year with several key personnel issues which took a lot of energy to resolve while sustaining the level of service goal that we set for each of the units. Some of the personnel issues have been resolved and some are still pending. Overall the majority of our staff is working diligently and with purpose. Those that were concerned about the move to the SSSC no longer have an issue; in fact, most employees love the new environment and see the great gains that we have had with the facility and space that we were blessed with.

I am extremely appreciative of the enormous amount of work that the staff has taken on and completed successfully. If it wasn't for them, we would not have been successful in our endeavors. I will be remiss if I did not also mention the great collaboration that we have had with

Jennifer Gomez-Chavez and her staff that have allowed us to partner, conceptualize and implement Lobo Trax (Degree Audit upgrade).

I love forward to discussing this report with you.

Respectfully submitted,

Carmen Alvarez Brown

2009-10 Goals and Objectives

To continue to improve operational efficiency through the use of technology and application of the best business practices for the purpose of improving the University's graduation and retention rate.

- ✓ **Update and upgrade the degree audit program reflecting 2009-10 catalogue.**
  - Completed undergraduate coding August 31, 2009
  - Finalize plan to complete graduate degree audit August 31, 2010
  - Upgraded to interactive degree audit February 22, 2010, several months ahead of our target date

- **Introduce multi-term registration.**
  - Met with each academic departments and deans.
  - Committee on multi-term registration was established.
  - Multi-term project was moved from fast track for implementation due to issues that were raised by Arts and Sciences.
  - Report on multi-term registration and challenges are being finalized to be submitted to the Provost Office by March 2010.

- **Implement new class scheduler.**
  - Project was completed September 30, 2009. However, it was not completed as robust as it should to be able to provide greater service to all those in the academic enterprise. We are hoping to add to the functionality of the class scheduler by having a total campus-wide classroom inventory available by June 2010.

- **Implement Banner 8 and adapting best business processes allowing the University community more flexibility with student database maintenance.**

- All units' business process consulting July 2009.
- All units testing fall 2009.
- Go "live" March 2010.

- **Enhance OCR by initiating supplemental transcript processes.**

- **Improve self service for students.**
  - Admissions priority and completion date: Status check for paper applicants completed September 2009.
  - Financial Aid is completed.
  - Registration priority and completion date: Print unofficial transcripts from LoboWeb (date to be determined).

- **Implement electronic transfer of records.**
  - Project is out of scope due to personnel issues and is currently being re-evaluated to move on track for the following year 2010/2011.

- **Move the University catalog to an online edit program allowing for a more efficient and effective way to design a yearly catalog.**
  - Proposals are being read and voted on. A vendor will be selected within the next several weeks.

- **Automatic packaging of TEACH grants**
  - Completed December 2009.

To continue to improve our communications to all we serve.

- ✓ **Redesign the University's search piece and view book.**
  - Search piece delivered August 2009.
  - Viewbook delivered December 2009.
  - Assisted with the coordination of email blasts for perspective graduate students.

- ✓ **Enhance communication plan to students.**
  - All units submitted communication binders August 2009

- Admissions outstanding student plan was drafted August 2009 and currently under review for further enhancement
- Admissions juniors and sophomores prospects currently being developed for May 2010 implementation

- **Minimize wait times on queues to less than three minutes at the Communication Center.**

  - We have achieved this goal often but we are still challenged during peak periods to meet industry standards on communication center wait time.

✓ **Continue to improve our divisional website.**

- Divisional website completed August 2009.
- Unit upgrades ongoing with new/consistent look, all divisional units have been upgraded except for scholarships and registration. We anticipate this project to be completed by June 2010.

✓ **Enhance communication to outstanding students by way of implementing Hobson's CRM.**

- The division purchased a CRM (Customer Relationship Management) program that has allowed for consistent communication to prospects and inquiries.
- Set backs were encountered during implementation due to personnel changes.
- Reformatted some of the coding that was done at the initial design.
- CRM is 90% completed and rolled out.

To continue to provide exemplary service and achieve a 90 percent satisfactory rate or better on our service surveys.

✓ **Work closely with One-Stop services and the Communications Center to allow for adequate personnel support at all times.**

- Unit directors will submit monthly updates on management leave schedules and processing staff lunch schedules as well as master calendar additions.

✓ **Continue cross-training of all staff and greater integration into the One-Stop environments at both Main Campus and SSSC.**

- All units will continue advanced cross-training of staff with second-level training completed for all staff and third-level completed for select staff by March 2010.

- **Operational data reports from all units are reviewed at weekly enrollment management meetings to assure that we are meeting our service goal.**

Further enhance the University's presence in primary and secondary markets.

- ✓ **Work with American Indian Pueblos to establish greater communication and linkage to the University.**
    - o A letter from the Vice President was sent out to all Governors volunteering our enrollment services to them, families and constituents.

- ✓ **Reach out to community colleges specifically those in our secondary market and establish articulation agreements with those community colleges that could be great feeders to UNM.**
    - o Expand our secondary market outreach focusing heavily on El Paso, TX, Phoenix, AZ, Denver, CO, large metropolitan areas in Texas and strategic areas in California, and Florida.

- ✓ **Work closely with our branch campuses to promote educational opportunities beyond two years.**
    - o All units participate in scheduled joint meetings with branches to explore opportunities in fall 2009.
    - o Recruitment efforts have been enhanced at all branches.
    - o Two new recruiters for transfer recruitment have been hired that will focus heavily on our branch campuses, CNM, and selected community colleges across the USA with large percentage of international students.

- ✓ **Work closely with the University's distance learning division in support of the institutional enrollment goals.**
    - o Divisional directors met with Extended University staff in fall 2009.
    - o Vice President had several follow-up meeting with Vice Provost Jerry Dominguez or his designee.

- ✓ **Increase the number of Veterans enrolled by 25%.**
    - o We have made significant gains in reaching out to Veterans and we surpassed the enrollment goal that we set by 5%.

Enrollment Plan

- **Work closely with all stakeholders to produce a state-of-the-art five-year enrollment plan.**
  - Associate Vice President for Enrollment Management drafted a preliminary plan. Plan has not been disseminated. This plan is still being finalized.

Community Outreach

- **Continue to provide support to our community for the purpose of access and success for all future students.**
  - ENLACE will report on all activities including number of students reached and quantifiable results. This is ongoing and ENLACE currently serves nearly 6,000 students statewide.

- **Work closely with parents in the nurturing and recruitment of future students.**
  - ENLACE and UNM parent groups will establish a communication strategy with plan included in binder by June 30, 2010. ENLACE currently has over 30,000 contacts with families.

- **Build coalitions and partnerships in our community.**
  - ENLACE will create a brief report identifying groups with whom they have collaborated and a summary description of the nature of the work including objectives by the end of the fiscal year.

- **Work with all pre collegiate programs and special programs to ensure that all students participating in the programs are part of our prospect database.**
  - ENLACE will report on total number of prospects created in the UNM database by August 1, 2010 and will begin analyzing how many of these prospects attend UNM.

Scholarships

Re-engineer the scholarship process for the purpose of making it more efficient and effective in the recruitment of students.

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- Several meetings were held throughout the year with some of the stakeholders. There has been great progress in this but there is still much to be done.
- Among our progress we have streamlined the application process for Amigo Scholarship, consolidated old outstanding scholarship debt, working with Provost budget office and university budget office to resolve this issue.
- Re-engineering the application and selection process is underway to maximize recruitment value, timeliness, and staff efficiency. The director made some changes for FY10 but opted to delay a complete restructure until appropriate communication was completed with the Foundation and other stakeholders.

Create a zero error expectation among all staff

✓ **Directors and Associates to closely monitor daily reports and student surveys to address errors, workflow glitches and service level performance.**

- We are paying closer attention to duplicate clean up on a daily basis which allows for less error and inconsistency of our work.

- **Both Associate Vice President for Enrollment Management and the Director of Enrollment Development and Initiatives (One-Stop) have been assigned to lead the divisional training initiative.**

  - Among the training the division has had this year:
    - Successful Customer Relations course by EOD, March 2009. Cross training for One-Stop and Communication Center Staff
      - November 17, 2009 – Financial Aid
      - November 18, 2009 – Registration
      - November 19, 2009 – Admissions
  - Recruiter training on Financial Aid & Registration, December 17, 2009
  - Challenging Customer Service Situations course by EOD, March 2010

Goals set by Provost Ortega for 2009 – 2010

1) **Consolidate changes made over the last year.**

   We have made significant gains in the integration of our business processes. We continue to address areas where we need to realign further.

2) **Develop a strategy for letting the broader campus and local community know about progress that enrollment management is making to serve students and promote and reward the staff who making it possible.**

Several strategies were developed this year to meet this goal. Among them was a designed and implemented website for enrollment management. A newsletter was developed and it was our hope to have this newsletter to go out once every term. It has been difficult to keep up due to the departure of the Operations Manager. We hope to continue with that at least two newsletters a year.

Our student satisfaction survey outcomes are posted on our website and some of the positive comments that students made of our services, are available for viewing.

There has been a significant in staff promotions and upgrades. However, we have not been able to find a way to properly promote these promotions.

3) **Make measurable and substantial progress in implementing the degree audit system and multi-term registration.**

✓ The degree audit upgrade is up and running. However, multi-term registration has been challenging to say the least. We will continue to engage all stakeholders in an effort that we can convey the benefit of multi-term not only to students, but to faculty as well.

4) **Get faculty and dean buy-in and finalize our five year enrollment plan.**

A five year enrollment plan summary has been developed. Associate Vice President, Terry Babbitt has consulted with the academic enterprise. We are still developing a comprehensive enrollment plan that will include strategies at the undergraduate and graduate level. Admissions recruitment plan, departmental recruitment plan, the ethnic centers recruitment plan, and hopefully we will also house a retention plan. It is our goal to have this plan completed by fall 2010.

Executive Summary of the Enrollment Management Re-engineering

Enrollment Management was introduced in higher education over 30 years ago. The term refers to the capability of colleges and universities to exert systematic influence over the number and characteristics of new students and to influence the persistence of current students to continue their enrollment through graduation. Tactics to impact student college choice, facilitate transition to college, increase retention, and improve student success are developed through strategic planning and based on institutional research.[1] Nearly three decades later the University of New Mexico adopted this concept.

[1] D. Hossler, J. Bean, & Associates. (1990). *The strategic management of college enrollments.* San Francisco: Jossey-Bass.

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The essential premise of this advent is to achieve greater efficiency through consolidating, incorporating, restructuring, and realigning critical functions to better serve future and current students in meeting their educational goals and aspirations. The division also provides strategic support to all academic stakeholders in planning and executing tactics to shape enrollment and meet enrollment goals.

Extensive re-engineering of processes and consolidation of services began aggressively in the fall of 2008 with Admissions, Recruitment and telephone operations being the initial focus. The admissions process was realigned to provide more efficiency in processing and reduce bureaucratic paperwork. For the first time in the history of the University, students were informed of their admission decisions within 24 hours of the submission of appropriate paperwork. Previously, it could take several months to inform students of their admission status. A new communication plan was developed and the recruitment plan was modified to further support the University's enrollment goals. This plan focused on the recruitment of academically talented students from out-of-state and within New Mexico and established recruitment strategies for transfer students.

A Communication Center was established to accommodate all incoming calls for the Division and introduce online chatting as a new way to support customer service. Students are now able to communicate via phone or internet. The Center was established by deploying existing personnel lines from the various units in the division. The Center has been very productive and receives over 140,000 phone calls a year and 20,000 live chats. We are able to quickly answer student inquiries and provide them an answer, resolution to the problem, or referral expediently and faster than ever before. We also take great pride in measuring our service performance and disseminate surveys to all who engage us. It is our divisional goal to have a 90% or better satisfaction rate in our survey responses. Our current satisfaction level as of October 2010 is at 93%.

The re-engineering of Financial Aid began shortly after the Admissions process was revitalized. Long lines of students have been banished and traded in for quick and accurate service. Students no longer wait hours in line to find out whether they have been awarded financial support. Graduate students that have been provisionally admitted are now able to receive financial aid just like the undergraduate students with the same admission status. This procedural change has helped large numbers of graduate students receive aid much earlier in the academic cycle. Scholarship allocations have been consolidated and are being awarded with greater efficiency and in support of the University's goals to recruit higher quality students. Strategies to compress scholarship maintenance requirements and appeals procedures have been revised to be efficient and student friendly.

Most recently, the re-engineering of the Registrar's Office began; the Registrar's Office is now able to provide quicker service time for transcript requests, change of name, registration processes etc. Additionally, several issues have been identified and addressed in the graduation process. The Degree Audit (LOBO Trax) has been updated with all respective Deans signing affirmation of its accuracy as the academic contract. This tool provides the scholastic road map for students and is essential to assist them in their degree completion.

The introduction and application of 21st Century Technology was instrumental in providing greater efficiency of service for all EM units. Business processes have been adapted to better make use of the newest technology. An example of this is utilizing the scanning/imaging process as a tool to move work electronically with high accountability; adopting on-line forms instead of using paper; and embracing the latest customer service tools in the virtual and telecommunication environment.

During the last two and a half years, the Enrollment Management staff and processes have been realigned for greater efficiency of practices. The Division undertook major projects that included the move to the SSSC Building, the establishment of three One-Stop operations, and the reduction and pullbacks of budget based on the economic climate. Each major initiative was completed on time and has paid large dividends to the institution. These achievements were possible due to a focus on process improvement from both efficiency and production perspectives. Persistent efforts brought all personnel back to one overarching objective: generate more production with the least amount of resources. This fundamental strategy facilitated better service and outcomes and preserved funds to accommodate critical projects and budgetary reductions.

Enrollment Management is a perpetual process charged with assisting the University in meeting its enrollment goals and opportunities. A primary directive for Enrollment Management at UNM has been to increase enrollments above 3% annually to allow extra workload funding from the state. Increasing enrollments depend on a number of variables outside of the enrollment management organization. Academic departments first and foremost must provide quality classes and instruction. Dedicated support organizations, external marketing, alumni groups and many more entities contribute to enrollment growth. The economy certainly plays a role and UNM, like all higher education institutions, has benefitted from the downturn but we have also been opportunistic in building sustainable out-of-state markets during this time that are not attributable to poor economic conditions. Enrollment highlights are displayed in the following figure.

Figure 1. Enrollment gains in key areas.

New Freshman	**24% increase**
New Transfer Students	**24% increase**
Returning Students	**9% increase**
Non-resident Students	**22% increase**

Source: 2007 and 2010 Registration Reports[2]

Enrollment Management has been able to improve performance with less staff as reflected in the below graph indicating growth in admissions and financial aid applications with less available personnel. It is important to note that while the division has been more productive with fewer employees, the staff has

[2] UNM Official Enrollment Report at http://registrar.unm.edu/stats/index.php

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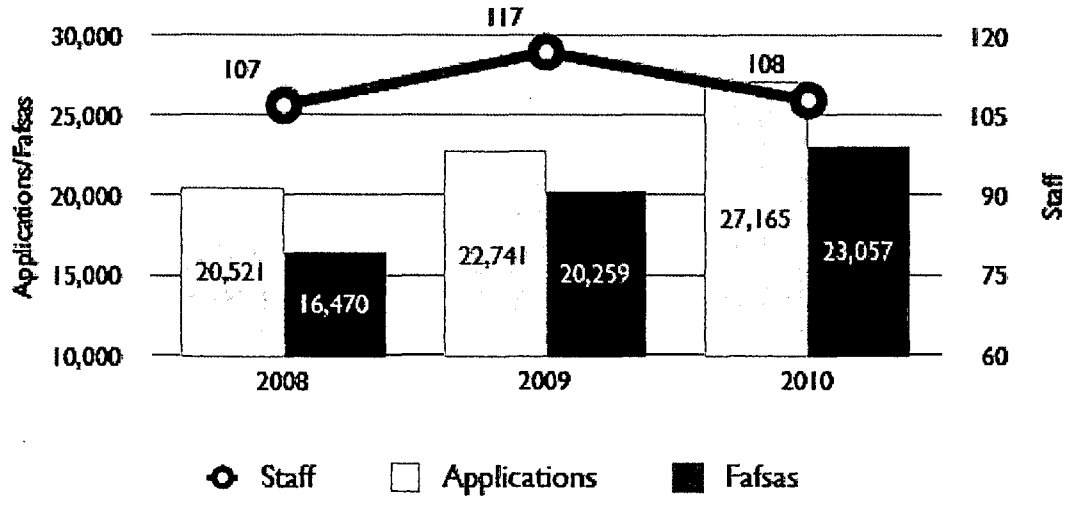
been recognized in their efforts. Since 2008 approximately 45 employees in the division (40%) have been promoted, provided a career ladder, or reclassified to higher positions.

Figure 2. Admissions and financial aid applications with total staff available.



The cost of student recruitment can be compared nationally and is regularly benchmarked. UNM's cost per student recruited has decreased 22% since 2007. In 2007 we were 2% higher than the cost per student at the largest institutions and in 2009 we were 26% below. The illustration below reinforces the success of our restructuring by highlighting improvements in efficiency.

Figure 3. Cost of recruiting a student.

Cost to Recruit Students Based on National Norms*

Year	2-Year Public Median Cost	4-Year Public Median Cost	4-Year Private Median Cost	Largest 4-Year Public Median Cost	UNM Cost
2009	$263	$461	$2,143	$423	$314
2007	$121	$398	$1,941	$377	$383

*Formula specifics and details available at https://www.noellevitz.com/NR/rdonlyres/A1CCD94E-CD38-4FB8-BD85-46FD11370147/0/CostofRecruitingReport09.pdf

Improving Efficiency and Service

In an effort to improve efficiencies and services to students, it was critical that an adequate space be identified or remodeled. The area that housed the various functions of Enrollment Management at main campus was inadequate to carry out the mission of the Division. We had space that was poorly laid out and insufficient to help the University meet enrollment goals. We were quite excited when the former Lockheed Martin building was made available to us. While undertaking this move at such an early stage of our development was risky and challenging, we felt that it was best for the University and the Division. As a consequence of this major move, we were able to release significant square footage of space on Main Campus and we were able to restructure our back end operations by utilizing a space that was more conducive to improving the efficiency of our processes. We were also able to open two physical One-Stop operations and one virtual One-Stop to support campus enrollment services.

The move was made amongst some discontent originating from within the organization. Opposition largely emanated from staff who could not envision a different model other than the one that had been their existence for many years. A One-Stop space in Mesa Vista Hall was renovated with a design that was warm and inviting but promoted very quick service with no waiting in lines. Despite the challenges, within four months of planning, the university had an enrollment service facility on Main Campus that was efficient and utilized one quarter of the space the divisional units had previously occupied on prime campus real estate. In the new Student Support and Services Center, employees adjusted quickly for the most part. The advantages of a beautiful facility, convenient parking, and no distractions won most of the staff over. On Main Campus, the move made 22,000 square feet available for academic advising and student support space.

This move allowed a physical setting that was conducive to all of the re-engineering efforts that were underway or about to be started. The proximity and openness allowed for better supervision and monitoring of staff as well as an opportunity for cross-training and sharing of resources. The inability for students to communicate effectively with enrollment services also took a tremendous leap forward with space for a centralized communication center where phones and electronic chat were made available. This student support initiative was created with staff from enrollment units who were cross-trained to establish short wait times and informed service compared to past experiences of high phone abandon rates and poor or nonexistent response. The idea of funneling students to an easy-to-use "One-Stop" system carries over to in-person customer service as well. The Main Campus One-Stop is now void of "bus station" seating and emphasizes no numbers, no lines, and no waiting. In addition to the virtual and Main Campus enrollment service centers, the South Campus location has also added value and convenience for those wishing to avoid parking and access challenges. Surveys indicate students utilizing the One-Stops are experiencing over a 90% satisfactory rate.

The geographical proximity also made it possible to consolidate services such as administrative support, information technology, human resources, and fiscal management from resources in all three units to just the vice president's area. The result was less infrastructure expense, centrality of policy and procedures, and congruence of goals and objectives. Instead of all units having network administrators, human resources professionals, fiscal officers, and administrative support, the services were centralized with less staff allocated to perform those functions.

Current projects that are designed to support goals of more students graduating and graduating on time include an academic planning agenda. The academic planning project includes enhancements and updating of the degree audit system, the "roadmap" a student needs to graduate on time; improvements to course planning and scheduling; introduction of an on-line catalog; and ability for students to plan course enrollment multiple semesters in the future. The degree audit system must serve as a contract between the academic department and the student to be an optimum advising and planning tool. This data helps determine course demand required to get students through the graduation path that can be riddled with obstacles. The on-line catalog will save printing costs, help improve curriculum change efficiencies, and better inform students with real time information. Multi-term registration allows a student to plan for more than one semester at a time. This takes out the chaos of last minute schedule shuffling and altering work arrangements.

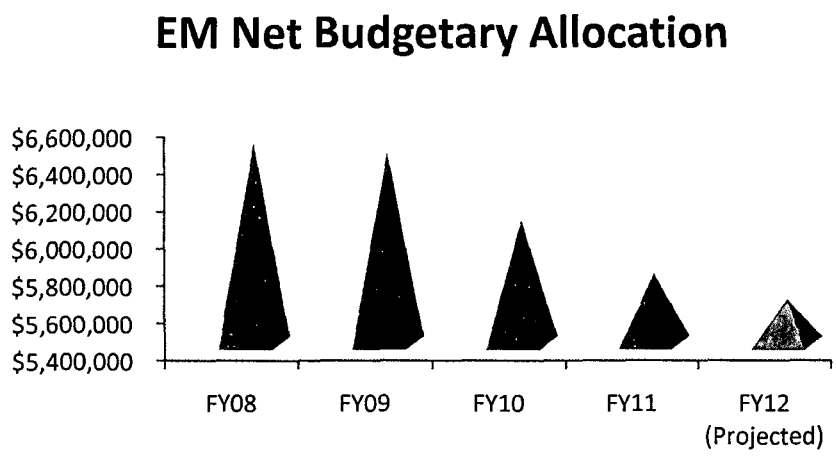
Cross-training staff is also a current priority. The objective is for similar employee roles to share knowledge and experience about the processes of admitting a student, verifying financial aid documents, or ordering a transcript. Training the units to support each other and address peaks and valleys of work load with appropriate human resources is underway.

Cost Savings

In 2007 when the division was formed, each administrative office brought their base budget allocation and in addition, $450,000 was appropriated for increasing recruitment efforts, system enhancements, and administrative costs. Since the initial 2008 budget year, the divisional budgetary net allocation has been reduced from $6.5 million to an anticipated $5.6 million in fiscal year 2012. This is a 14% cut in net allocation.

The Division has been able to sustain the University's budget cutbacks mostly due to the early re-engineering and restructuring initiatives. Annual carry forward has averaged approximately $1,000,000 a year in fiscal years 2008, 2009, and 2010. We have been able to consolidate processes and positions, specifically, in the administrative support area. Rather than each unit having an administrative assistant, operations specialist, and several LAN administrators, all of these functions and others were consolidated into one administrative support unit resulting in reduced overall staff.

Figure 4. The Division of Enrollment Management net budget allocation since its creation.



The main objectives of the unit; success metrics; and customer satisfaction

Enrollment Management as a division is responsible for recruitment, admission, financial aid delivery, registration, record maintenance, and graduation for the student constituency and the faculty and staff in academic and student support roles. The mission and values revolve around this purpose.

Mission Statement

- To contribute to the mission of the University by harmonizing all essential operations that support student affinity to the University and to support the academic enterprise in meeting the institutional enrollment goals.

Vision Statement

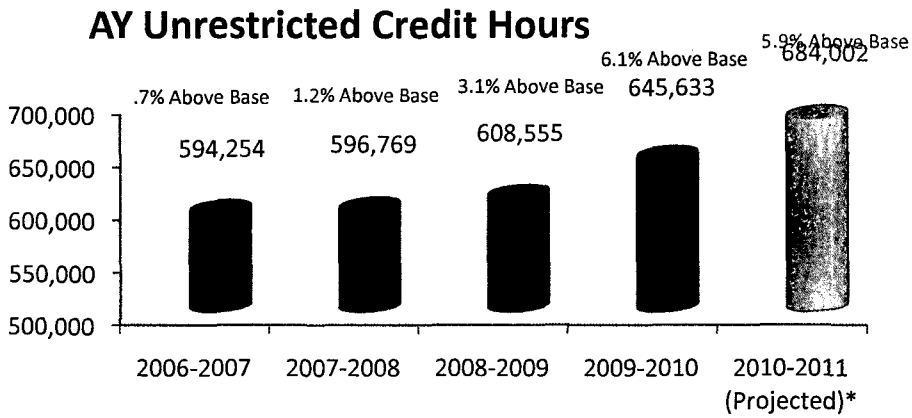
- To be known as a premier institution delivering exemplary customer service to all we serve.

Core Values

- First class team driven by mission, goals and mutual respect.
- Personal best – do it right and do it now – quality work, quickly done.
- Positive and effective communication (honest and straight forward with each other and those we serve).
- We will make a difference with all we serve and we will help all students reach their full potential and possibilities.
- We will listen to all our students, faculty and staff – we will have the courage to change what needs to be changed, whether it is behavior, rules, regulations or processes.

The primary responsibility of the Division of Enrollment Management is to plan and implement strategy to meet university enrollment goals. These goals include new students of various categories and levels, continuing students, stop-out students, course loads etc. In recent years, the university's primary enrollment goal has been to increase student credit hours 3% or more to receive workload dollars in the state "base plus" funding formula. UNM had only accomplished this feat once in 2003 but has exceeded the 3% band in 2008-09, 2009-10 and likely in 2010-11. Exceeding the 3% band generates several million dollars of extra funding for the university.

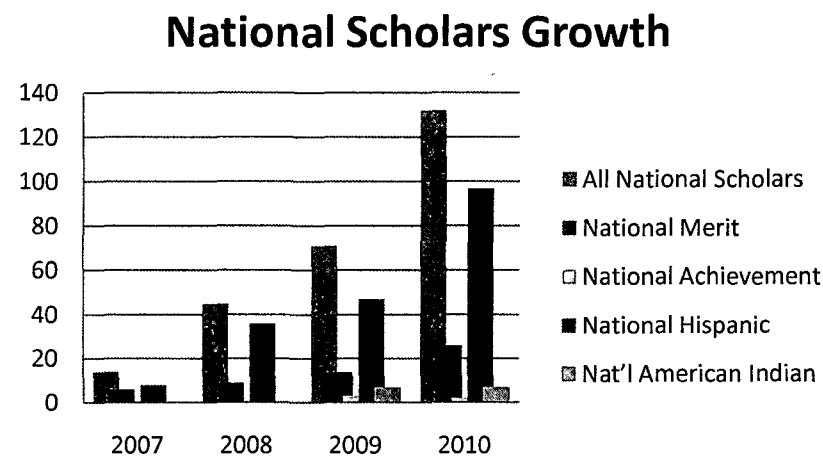
Figure 5. Unrestricted credit hours generated on an annual basis.



Source: End of semester enrollment reports total credit hours for summer, fall, and spring
**Projection based on percentage reduction of restricted hours*

One of the most challenging enrollment goals an institution faces is increasing the number of National Scholars who attend. Historically, a contingent of these students bring high academic profiles, prestige, and national press that play a significant role in lifting institutional academic reputation. These students score in the 95th to 97th percentile and above on college admission tests such as the ACT and SAT. EM was assigned the goal to increase enrollment of these high achieving students. The results have been very successful with another annual increase of 86% from 2009 to 2010 (71 to 132).

Figure 6. National Scholars enrollment since 2007.



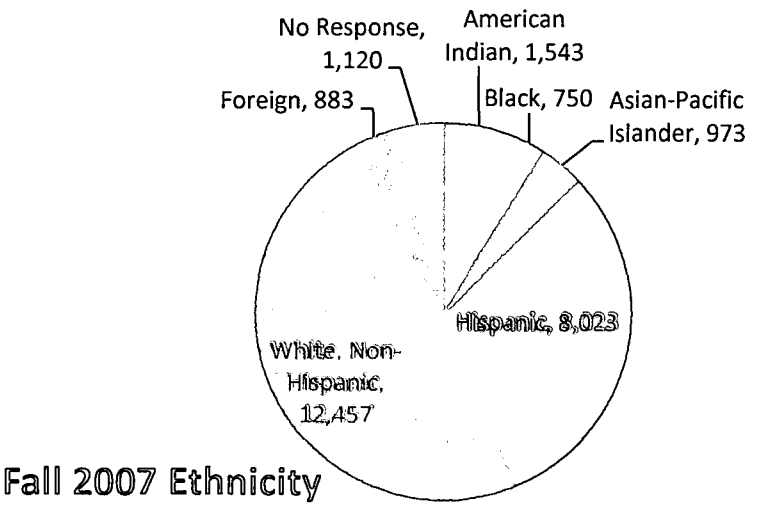
A very impor ...all of our constituents ...encouraged to complete co ...d to customers

chatting with the communication center. Thousands of student responses have been received with over 90% satisfied with our services, staff and facilities. Many students very much appreciate the convenience of chatting and the quick service at the One-Stop without waiting in line. Typical complaints include concerns about financial aid packages, payment processes and transaction holds.

Centrality to core institutional values, including diversity, student success, healthy communities, systemic excellence, and economic and community development

The Division of Enrollment Management is a cornerstone for the key institutional values of diversity and student success. When planning to meet enrollment goals, these two keystones are ever present variables that require methodical strategy to successfully integrate into quantitative results. Enrollment Management is a steadfast supporter of the institutional philosophy that places a high worth on diversity of all types well beyond ethnicity. Ethnicity is a primary standard and EM has worked to ensure ethnic enrollments are strong. Official Enrollment Report information indicates substantial growth in all categories over the last several years.

Figure 7. Main Campus Enrollment by ethnicity in 2007 and 2009.



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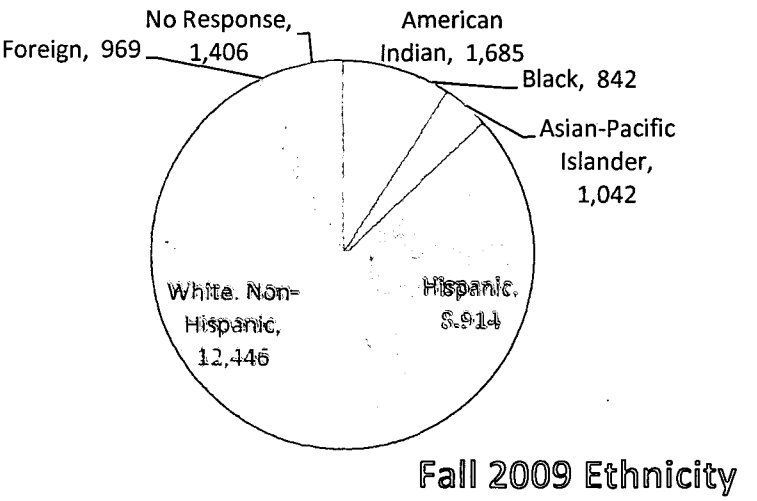


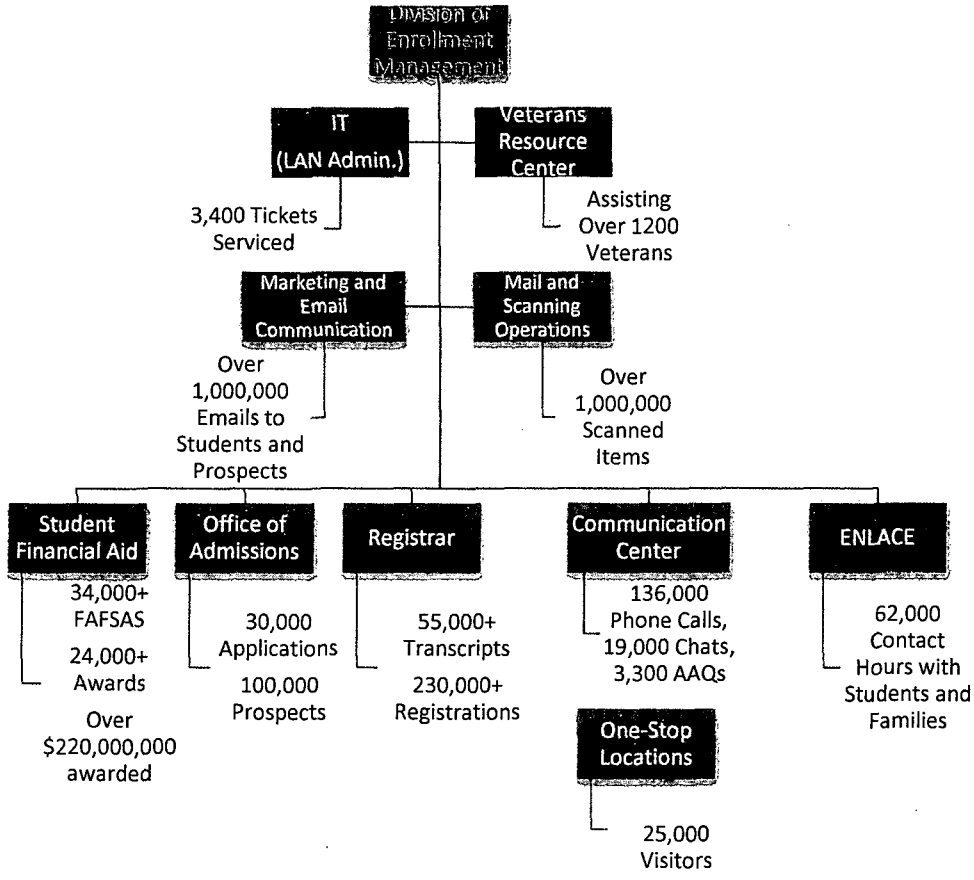
Source: Fall 2009 Official Enrollment Report

Student success is also influenced by EM strategies and policies when determining recruitment priorities, applying requirement standards, delivering financial aid, and promoting academic planning through course offerings and degree audit capabilities.

Demand for services

The units in Enrollment Management provide services to a similar number of students, faculty, and staff compared to other flagship institutions. The production of the division is benchmarked throughout other sections of the study. Also mentioned previously are the service expectations and metrics EM uses to evaluate the quality of output. The satisfaction rates are over 90% and each unsatisfactory concern is addressed personally, tabulated and used to create new work plans addressing common issues.

Figure 8. Enrollment Management annual production.



Relationship to other academic or administrative units and major collaborative initiatives

Enrollment Management has a collaborative relationship with virtually all of the other divisions of the University. The relationship is best described in a matrix that describes the integration of projects and information sharing.

Figure 9. Collaboration among EM and other organizations.

Division or Organization	Provided from EM	Provided to EM
Planning, Budget and Analysis	Credit hour projections	Scholarship budget support
Division of Equity and Inclusion	Recruitment strategies and data	Yield support activities
Division of Student Affairs	Suggestions to support enrollment through orientation and other units	Data on orientation and student support initiatives
UNM Foundation	Scholarship administration and strategy	Scholarship funding
Faculty Senate	Policy suggestions and support for initiatives	Approval and feedback on policy and processes
Information Technology	Direction for new applications and emerging technological advances	Implementation, upgrade, and maintenance support for computer applications

Evidence of entrepreneurship

Entrepreneurs by definition manage an enterprise with considerable initiative and risk. Within one year of the creation of the Division of Enrollment Management, complete re-engineering of core functions was underway; the transition to a state-of-the-art building with efficient space configuration was planned and implemented; staff positions from several units were consolidated to create customer friendly services in multiple live and virtual settings; and positions were reclassified and upgraded to emphasize less upper level management and more production and service roles.

Most of the activity in enrollment management has been driven by an entrepreneurial spirit as evidenced throughout the self study by efficiency and service improvements during periods of increased productivity.

Opportunities for greater collaboration

There are certain linkages that enrollment management has with other units where improved coordination or consolidation could benefit the institution. In Student Affairs, New Student Orientation and Career Services are crucial to the effective recruitment and yield rates of new students at all undergraduate levels. A successful orientation must complete the relationship enrollment offices have been building with prospective students for years. There must be a strong sense of continuity in message, brand and service so the students are not confused when completing orientation. Even small disjunctions can cause a student or family member to second guess their decision and this late indecisiveness can be devastating to anticipated yield rates. Career Services has a growing role in communicating to prospects about available services, earning potential and employment rates. This information is being sought by consumer savvy transfers and even traditional beginning freshmen.

Information Technology is also a realm where significant crossover takes place on major projects and day-to-day operations. The EM Division has a staff of local area network administrators who support servers, certain applications and desk top hardware and software. We have already reduced in this area due to the EM consolidation of offices. However, much more could be done if the University was to adopt a consolidated approach to IT services, specifically, in the area of server and desktop support. There is also a potential increase in productivity and efficiency of the IT technical employees that support the student information system. Many projects that would advance efficiency and service for students are dependent on these resources and often enrollment management priorities are set aside for other urgent University needs. Enrollment Management should be able to prioritize student systems initiatives that will most benefit our student body. We are confident that we will realize a more efficient process with more student-oriented results by allowing EM to determine where to allocate project resource.

Improving admitted student yield rates at UNM is a primary enrollment goal. Currently, the rates at which admitted students enroll are lower than they should be. Increasing the performance of this critical metric of the enrollment funnel is instrumental in managing enrollments and obtaining the best value per student recruited. This measure is generally considered an important vital sign of the public's perception of the institution. To increase these rates, university entities beyond the admissions office must develop relationships with admitted students to strengthen the student-institutional connection and improve the likelihood to enroll. A specific example that needs to be implemented is enhancing the role of ethnic centers in impacting yield rates. These centers can effectively focus on admitted students in the spring semester and develop a variety of outreach efforts to help students identify UNM as a community they would like to call home. Campus visitation events, calling campaigns, electronic communications, visits to communities and other strategies are all proven tactics to increase admitted student matriculation.

Technological or other improvements that could generate savings

Each unit has projects designed to improve efficiency and deliver better service to students, faculty and staff. From a divisional perspective, two things stand out among the projects. One is to quickly expand the electronic exchange of records project to include Albuquerque Public Schools and other large feeder institutions. This project eliminates much manual work that impacts all areas of enrollment services.

Second is the adoption of an efficient, robust, and intuitive reporting tool that can accommodate the production of several standard reports. The tool should allow for easy access and training; it should be flexible for adjustments and versatile to accommodate a wide range of needs. It should be available to meet 90% of the ad hoc requests from campus constituencies as well as specialized strategic applications specific to individual organizations.

The Division of Enrollment Management is committed to full application of 21st Century technology to all we do. However, it takes collaboration and support from IT to make this a reality. The technological needs of the Division must be congruent with the priorities for the IT student system support staff.

Efficiencies that could be gained by consolidating with related entities

The Division of Enrollment Management was created from core enrollment units that existed in Student Affairs and Academic Affairs. This consolidation of enrollment functions is what has allowed UNM to improve service to students; grow enrollments faster than our peers; establish strong non-resident enrollments in key markets; and attain national prominence by recruiting more National Merit Scholars. There is still much to be improved in the areas that are traditionally part of the enrollment management organization including new student orientation, retention, enrollment research, publications, advising and career planning.

Additionally, there are emerging national models that consolidate student support service areas under the enrollment management leadership. This trend warrants serious consideration for all higher education institutions that realize retention begins with recruitment and continues with orientation, advisement, the teaching and learning environment, student academic and social support, and career planning.[3] Current best practices integrate retention strategies across the entire continuum of student transition from prospect to graduate. This allows the data driven principles and concepts of recruitment and retention to be applied not only through enrollment functions, but student support roles as well. Many of the old models of consolidation had the opposite approach of enrollment management entities reporting to student affairs leadership. This approach has given way to institutional desires for accountability, efficiency and data-based strategy development that has been foundational for enrollment management for decades.

The Division of Enrollment Management is committed to supporting the university goals of integrating comprehensive student success strategies from recruitment to degree completion. Students should be targeted early as an appropriate fit; exposed to institutional values and strengths through recruitment; provided effective orientation to transition into the university community; offered meaningful programming and experiences that engage and build affinity for the institution; supported for academic and career pursuits; and introduced to meaningful post graduate and alumni involvement. The delivery of this stratagem by enrollment professionals allows their strengths to be utilized as critical retention tools such as extensive communication capabilities, data-driven goals and outcomes, extensive planning exercises, excellent customer service, and high levels of production and accountability.

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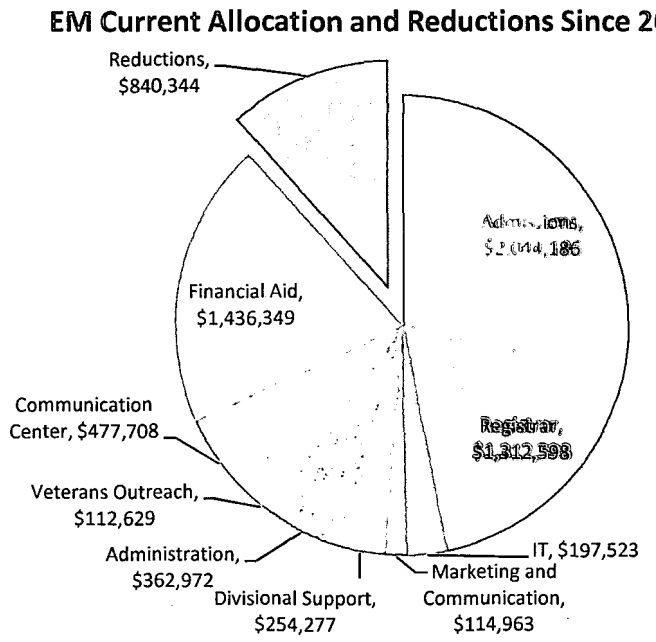
[3] George D. Kuh, "Organizational Culture and Student Persistence: Prospects and Puzzles," *Journal of College Student Retention: Research, Theory and Practice*, Volume 3, Number 1/2001-2002: 23-39.

Figure 10. Enrollment Management budget components.



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THE UNIVERSITY OF NEW MEXICO
DIVISION OF ENROLLMENT MANAGEMENT

OFFICE OF ADMISSIONS

ANNUAL REPORT

For the Period From July 1, 2009 to June 30, 2010

Matthew Hulett
Director, Office of Admissions
September 2010

ADMISSIONS & RECRUITMENT SERVICES

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DEPARTMENTAL MISSION

- To recruit, evaluate, and admit qualified students to UNM, including beginning freshman, transfer, returning, non-degree, international, and graduate applicants;
- To provide information about UNM admission requirements, policies, and academic preparation to our internal and external constituents;
- To provide guidance for academic success and, as necessary, advise students about appropriate alternative options to help them meet their academic goals.

We do this through teamwork by providing individualized quality service to our constituents. We are committed to creativity and flexibility in working in an ever-changing environment. We strive to provide service in a way that exceeds our constituents' expectations.

Main Functions:

1. Foster relationships with New Mexico high school counselors and collaborate with two- and four-year institutions and UNM Branch Campuses to facilitate enrollment of qualified students.
2. Facilitate the matriculation of students between New Mexico high schools and the university.
3. Represent the university and its academic programs in the development of statewide and out-of-state freshman, transfer and articulation initiatives.
4. Execute the university's admission and enrollment regulations, as well as INS regulations, governing international students.
5. Review and evaluate applications and credentials for approximately 20,000 applicants per year.

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I.

II. ASSESSMENT OF 2009-10 STRATEGIC PLAN DEPARTMENT GOALS

1. Support university new student enrollment goals
    a. Improve quality and quantity of prospective student communications
    Continued development and expansion of communication plan to deliver improved email communications. Contracted with design group to enhance publications and messaging.
    b. Enhance out-of-state recruitment
    Increased the number of out-of-state contacts, as well as the frequency of communication to those contacts. Placed recruitment staff in emerging markets.
    c. Re-engineered prospective student campus visit experience
    Revitalized tour route, improved communications with participants and strengthened tour guide training.
    d. Implement efficient processing changes
    Reorganized personnel for more efficient work structure; Improved web application and backend processes. The result was a much quicker application to decision response time.
    e. Develop improved organizational structure
    We continued to integrate recruitment and processing personnel to facilitate a better understanding of both components. Efficiency has been gained in the processing area while recruitment staff became more responsive.

2. Cross-Training for all staff
    a. Prepare for consolidated enrollment services concept
    Admissions Office continues to actively trained division staff to respond to initial admission inquires while receiving similar training from divisional units. Admissions deployed staff to support and assist other units during times of peak demand.

3. Integrate training and meetings
    a. Entire office participation in appropriate meetings and training sessions
    The entire office approaches goals and objectives as a team.

ENROLLMENT GOALS AND RESULTS

- Broke the funding formula 3% "enrollment band" in 2010.
- Increased Fall 2010 new freshmen by 5.72%.
- Increased Spring 2010 undergraduate enrollment by 7.07%.
- Increased National Scholars from 73 in 2009 and 132 in 2010.
- Overall enrollment for Fall 2010 increased 5.32%, including 5.72% for new freshmen, and 8.4% for new transfers from New Mexico.
- Branches did very well with large enrollment and student credit hour increases.

REGISTRATION STATISTICS – FALL 2010

ABQ CAMPUS

	HEADCOUNT			
STATUS	**Fall 2009**	**Fall 2010**	**CHANGE**	**%CHANGE**
RETURNING	19, 088	20, 262	1,174	6.15%
READMIT	1, 679	1, 627	(52)	-3.10%
NEW BEGINNING FRESHMEN*	3,409	**3,604**	195	5.72%
NEW BEGINNING OTHER	72	143	71	98.61%
UNDERGRAD TRANSFERS*				
from New Mexico	892	**968**	75	8.40%
from outside New Mexico	400	380	(20)	-5.00%
NEW NONDEGREE	429	524	95	22.14%
NEW GRADUATE	1, 121	1, 013	(108)	-9.63%
NEW FIRST PROFESSIONAL	213	236	23	10.80%
TOTAL HEADCOUNT*	27, 304	**28, 757**	1,453	5.32%
	Fall 2009	**Fall 2010**	**CHANGE**	**%CHANGE**
STUDENT CREDIT HOURS*	317, 377	**335, 470**	18, 093	5.70%
HEADCOUNT GOALS (+2.4)		27,950		
CREDIT HOUR GOALS (+2.8%)		322,258		

*** Record Highs**

SIGNIFICANT DEVELOPMENTS
Fall 2010

- The Fall 2010 beginning freshman enrollment at the University was 3,604, a 5.72% increase from the previous fall semester. The University of New Mexico continued to offer the Bridge to Success Scholarship to entering freshmen for Fall 2010.

- In addition to the day-to-day student contact and evaluation of credentials, the Freshman Admissions and Recruitment team coordinated numerous programs and projects that have university-wide impact:

    - The staff coordinated several recruitment events. Our annual Senior Day event for high school seniors and families was revamped to feature more academic choices for participants and a comprehensive financial aid presentation. In addition to college open house options, tours of campus and residence halls, lunch and an informational presentation detailing UNM and admission requirements were provided. On-site admission decisions were offered to participants who brought their application credentials.
    - A similar event for high school juniors and their families was held in the spring to encourage prospective student to consider UNM earlier in their high school careers.

- Budgetary cuts eliminated certain positions and the office had to restructure with less personnel. Despite these challenges, the office successfully maintained service levels.

- Collaborating in the UNM/CNM Gateway Program – Students in this partnership program have the advantages of taking classes at CNM while at the same time enjoying some of the benefits of being part of the UNM community.

- Brochures & Publication Redesign – Many of our standard brochures and publications now have an improved look to make them more appealing for students.

International Admissions

The University of New Mexico continually seeks to foster a global perspective across the entire spectrum of academic, cultural, and social life, and be a "University for the Americas." Through involvement in the various dimensions of educational and cultural exchange, the University endeavors to strengthen communication and mutual understanding on an international level. It is the mission of International Admissions to support this commitment, while carrying out the

policies of the Office of Admissions and the Office of International Programs and Services (OIPS).

International Admissions processes all prospective, non-citizen graduate and undergraduate students applying to the University of New Mexico. Every case involving transfer of credit requires the staff to do extensive research to determine comparable course content and level. They also work with U.S. and foreign organizations involved in international educational exchange.

The Admissions Office invested in additional marketing for international students through online and print publications designed to attract additional interest in UNM.

Branch Campus and Community College Recruitment

- Held on-site Admissions and Advisement sessions twice a year at each Branch campus with admission personnel and advisors from various colleges available to students.
- Assigned staff specifically to recruit students from branch and community college campuses.
- Developed a communication plan for transfer student recruitment
- Continued efforts to encourage articulation of coursework and application of technical credit where appropriate.

Graduate Admission

The University transferred the responsibility for graduate student admission to the Admissions Office beginning April 2006. Since then the application and credential processing functions of graduate students has been merged with the undergraduate process, resulting in a more consistent flow of work. Efforts to improve the over-all experience will continue as Admissions works with the Office of Graduate Studies and the departments.

The Admissions Office recently implemented a mechanism to keep the Office of Graduate Studies informed of all eligible applicants to each of the graduate programs. This mechanism has improved response times and speed of review for applicants.

PROPOSED DEPARTMENT GOALS FOR 20010-11

1. To continue to improve operational efficiency through the use of technology and application of the best business practices for the purpose of improving the University's graduation and retention rate.

a. Implement XML transcript processes between UNM and CNM to improve efficiency and speed of reviewing transcripts from CNM.

b. Implement web application for international applicants.

2. To continue to improve our communications to all we serve.

    a. Redesign scholarship brochure and move to web.

    b. Develop a high quality recruitment oriented video.

    c. Enhance post-admission communications to improve enrollment of admitted students.

        i. Redesign "next steps" and "top reasons" publications.

3. To continue to provide exemplary service and achieve a 90 percent satisfactory rate or better on our service surveys.

    a. Work closely with One-Stop services and the Communications Center to allow for appropriate human resource support at all times.

        i. Submit monthly updates on management leave schedules and processing staff lunch schedules as well as master calendar additions.

    b. Continue cross-training of all staff and greater integration into the One-Stop environments at both Main Campus and SSSC.

        i. Continue advanced cross-training of staff with second-level training completed for all staff and third-level completed for select staff.

    c. Submit operational data reports at management meetings

4. Further enhance the University's presence in primary and secondary markets.

    a. Reach out to community colleges, specifically those in our secondary market and establish articulation agreements with those community colleges that could be feeders to UNM .

        i. Identify secondary markets such as El Paso, TX; Phoenix, AZ; Denver, CO, large metropolitan areas in Texas, and strategic areas in California, Florida, and Texas among others.

    b. Work closely with our branch campuses to promote educational opportunities beyond two years.

        i. Participate in scheduled joint meetings with branches to explore opportunities in fall 2010.

c. Work closely with the University's distance learning division in support of the institutional enrollment goals.

    i. Incorporate strategy based on collaboration with Extended University by 05.2010.

5. Create a zero error expectation among all staff.

    a. Closely monitor daily reports for the purpose of addressing errors and workflow delay immediately.

    b. Clean up duplicates on a daily basis.

    c. Train staff to produce an error free process when using students records that have been suspended in Banner.

THE UNIVERSITY OF NEW MEXICO

DIVISION OF ENROLLMENT MANAGEMENT

COMMUNICATIONS CENTER
ANNUAL REPORT
JULY 1, 2009 TO JUNE 30, 2010

ALEX GONZALEZ, DIRECTOR

November 22, 2010

Overview

The basic premise of the Communication Center is to streamline student service delivery. This involves streamlining the registration process, to stopping the student runaround and providing individualized service through a one-stop environment. The Center handles all incoming calls for the Office of Admissions & Recruitment, Registrar's and Financial Aid. It also provides services to students that wish to engage us using the Internet (Chat).

Vision

Students will experience UNM as a friendlier, accessible, and helpful place to be. Students will also receive responsive services using current technology, which is consistent with the service experience and culture of the incoming generation of students.

Solutions

- We will improve customer service by ensuring all calls are answered appropriately
- Students will be able to conduct business relating to the various offices online.
- No more unanswered phone calls in the Enrollment offices.
- No need to wait in long lines to see an Enrollment Service representative.

Significant Developments during the academic year

- Posted revised Chat icon/image on all EM websites.
- Increased Communication center staff support by implementing back office support from 11am-2pm during peak times.
- Established weekly team meetings.
- Updated and published warm transfer lists for all departments.
- Adjusted employee lunch schedules to 15 minute intervals to allow for a decrease in back-office support during 11:00am-2:00pm.
- Staff cross training continued in the areas of Scholarships, Records, Financial Aid and Admissions.
- Updated standard text and use of hot keys in response to chats and AAQ's.
- Cross referenced FAQ's to Fastinfo/Studentinfo Knowledge base answers.
- Commenced discussions with RightNow to implement use of surveys.
- Installed TV monitor with GNAVPro to display incoming call activity.

Data

Phone Calls

Department	# of calls
Admissions	44,907
Financial Aid	37,079
Registrar	30,395
Total	112,381

Chat

Department	# of chats
Admissions- International	348
Admissions/Recruitment	1883
Financial Aid	10,699
Registration	5240
Scholarships	712
Total	18,882

AAQ (Ask a Question)

Department	# of AAQ's
Admissions-International	78
Admissions/Recruitment	413
Financial Aid	1602
Registration	830
Scholarships	401
Total	3,324

Significant Plans and recommendations for the near future

- Provide technology upgrades including summary page.
- Minimize wait times on queue to less than three minutes at the Communication Center.
- Continue to improve our divisional website.
- Work closely with all units to plan for appropriate human resource support at all times.

- Submit operational data reports at management meetings.
- Work closely with the University's distance learning division in support of the institutional enrollment goals.
- Continue cross training of staff.
- Continue to provide exemplary service and achieve a 90% satisfactory rate or better on our service surveys.

Appointments to Faculty/staff

Hired four temporary employees to assist during peak times. As a result, hired one of the temporary employees to full time term positions. (Jose Ledesma)

Publications of the division; publications of individual faculty/staff

None

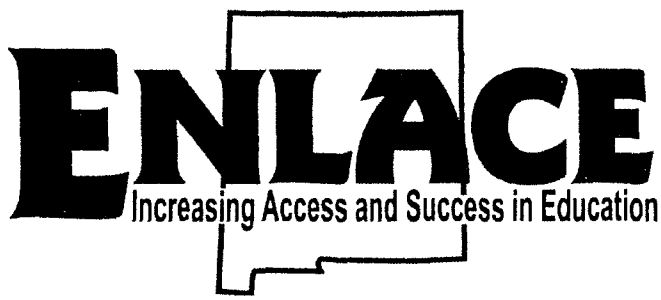
Outside professional activities of staff members
Staff Members:
Anthony Gallegos
Alex Gonzalez
Rebecca Granato
Amanda Graham
Sheri Granger- Temp. Employee
Stephanie Gutierrez
Amy Henne- Temp. Employee
Jose Ledesma- Temp. Employee
Norman Lieber
Roxanne Roessner
Phillip Rogers-Temp. Employee
Geraldine Salcido
Tara Solt
Christina Villalobos

Training:
Customer Service Training: Dealing with Irate Customers
Admissions, Financial Aid and Records/Registration cross training
Learning Central Cross Training

Outside sponsored research

None

THE UNIVERSITY OF NEW MEXICO
DIVISION OF ENROLLMENT MANAGEMENT



ENLACE NEW MEXICO
ANNUAL REPORT
JULY 1, 2009 TO JUNE 30, 2010

DR. TERRY BABBITT, PRINCIPAL INVESTIGATOR
DR. LAWRENCE ROYBAL, EXECUTIVE DIRECTOR

NOVEMBER, 2010

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Project Summary and Goals

Historically, affirmative action policies have evolved from initial programs aimed at providing equal educational opportunities to all students, to the legitimacy of programs that are aimed at achieving diversity in higher education. In June 2003, a U.S. Supreme Court ruling on affirmative action pushed higher education across the threshold toward creating a new paradigm for diversity in the 21st century. The court clearly stated that affirmative action is still viable but that our institutions must reconsider our traditional concepts for building diversity in the next few decades. This shift in historical context of diversity in our society has led to an important objective: *If a diverse student body is an essential factor in a quality higher education, then it is imperative that elementary, secondary, undergraduate, graduate and professional schools fulfill their missions to successfully educate a diverse population.* In New Mexico, the success of graduate programs depends on the state's P-12 schools, the community, and institutions of higher education, and their shared task of educating all students. Further, when the lens is broadened to view the entire P-20 educational pipeline, it becomes apparent that the loss of students from elementary school to high school is enormous, constricting the number of students who go on to college. Not only are these of concern to what is happening in terms of their academic education but also in terms of the communities that are affected to make critical decisions and become and stay involved in the political and policy world that affects them.

Guiding Principles

ENgaging LAtino Communities for Education New Mexico (ENLACE NM) is a statewide collaboration of *gente* who represent the voices of underrepresented children and families – people who have historically not had a say in policy initiatives that directly impact them and their communities. Therefore, they and others from our community are at the forefront of this initiative. We have developed this collaboration based on a process that empowers these communities to find their voice in the pursuit of social justice and educational access, equity and success.

Core Values

- **Inclusivity:** We believe that a Latino-focused educational initiative will create a world-class educational system for all students. Every student must experience the opportunity and support necessary to achieve academic success.
- **Transparency:** We believe that remaining responsive and responsible to students, parents, educators and communities is imperative to educational success for students in New Mexico.
- **Cultural Humility**: We believe that our work recognizes, validates and embraces the core cultural values of our stakeholders – the strength of *familia,* the bonds of *comunidad* and the mutuality of *respeto.*
- **Bottom-Up Change:** We believe students, parents, educators, and communities themselves must define the programmatic and policy issues necessary to affect systematic change. Policy recommendations will reflect best practices and lead to institutionalized programmatic innovations that will be assessed through qualitative and quantitative research.

As a collaborative, we realize that to truly transform New Mexico's educational system, all corners of the state must be represented. Statewide coordination and a common agenda will bring a deeper recognition of the necessity for a seamless P-20 system and the basis for social improvement and the advancement of New Mexico's human capital. A broader collaborative will generate strategies for addressing concerns in a strategic and focused way through a well-informed process. This process will lead to closer ties with more communities and will provide a way for our communities' voices to speak as one. New Mexico is regularly listed at the bottom of national rankings for child poverty, low graduation rates, and lack of economic opportunity. New Mexico is depicted as a state that does not recognize the assets that Latinos, who represent 42% of the population, provide. With our statewide work, we as a collaborative team will bring about educational reform that, in turn, puts New Mexico on the map in a way that truly represents the strengths that this state and our citizens possess. ENLACE rejects the language of educational deficits and focuses on the strengths and potential of the students. Our work has profound implications for the future of New Mexico and its youth and will serve as a national model for other states and communities.

Framework

Our work is based on a framework for success that addresses the following interdependent components in the public education system:

- **Families and Community:** Generate a new culture within participating educational institutions, and accompanying procedures, that value and respect community and family involvement as a key factor in contributing to the academic success of Latino youth.
- **Educators:** Enhance the professional development of current and potential educators in a manner that encourages respect for Latino culture, history, and language; instills high academic expectations for Latino youth; results in the production and use of culturally relevant curricula; and increases role models and mentors for Latino youth.
- **Standards and Assessment**: Create strong accountability systems that focus on improving Latino academic performance, retention, and graduation, and that facilitate a seamless pathway to college. Institute fair and ongoing assessment that is culturally and linguistically appropriate.
- **Funding:** Mandate equitable funding across all districts and within districts; fund outcome-based programs that incorporate genuine community involvement; and provide appropriate financial and other support services that ensure that postsecondary education is accessible to Latino youth.
- **Policies:** Indentify the best-methods and lessons-learned and convert them into legislation, regulations, policy, programs and practices that institutionalize and systematize the innovations that have been developed by ENLACE.

With regard to these target areas, ENLACE New Mexico has worked to raise awareness about the inequities in the current system, provided information on the types of alternative models and approaches that can utilized, explored how to institutionalize effective models and ideas, and used research to contribute to the continuous improvement of changes that are made.

Because of the diverse representation characterizing ENLACE partnerships, the Collaborative's views of statewide issues are well rounded. While some of the partners are more experienced in developing policy, the ENLACE New Mexico Collaborative takes pride in integrating community voices to develop its policy recommendations. ENLACE creates an opportunity for parents and families, many without strong English language skills or educational achievement themselves, to gain confidence in their capabilities to serve as advocates for their own children, as well as assume leadership roles promoting the betterment of children in their communities. Moreover, as students feel their opinions are listened to with respect and help shape the final recommendations for changes in state policy, their commitment to support those efforts intensifies.

ENLACE has played a critical role in placing the issue of Latino and other minority students' academic success on local, state and national policy agendas. We are committed to continuing to work toward systemic change by improving the capacity of our partners to serve as informed advocates, enhancing our ability to produce and disseminate concrete evidence and information about best practices and outcome-based results, and to build broad bases of support that will ensure that policies are adopted and implemented based on communities to become a statewide movement for transformational change.

In the future, we see New Mexico as a state with:

- An excellent public education system, which is vital to the quality of life of all New Mexico citizens and communities and fundamental to preserving a strong democratic society now and in the future.
- Public schools that are held to high standards of accountability at both the state and federal levels. Education policies are formulated to assure that all New Mexico children learn to their fullest potential; and continually strive for improvement and progress with an understanding of the need for commitment to the highest standards of student achievement.
- Students who are engaged in the educational process and take responsibility for their own education; helping to improve systems for others; and mentoring, tutoring, and/or otherwise supporting higher educational achievement among their peers, parents and community members. Students are supported in their efforts to enter and complete college through sustainable partnerships among higher education institutions, P-12 schools and local communities.
- Hispanic-serving institutions and other institutions acting in partnership with Latino communities to articulate and implement comprehensive plans aimed at strengthening the educational pipeline, decreasing high school dropout rates and increasing college completion rates. Latino faculty and students' leadership roles and capacity are expanded in the process of developing and implementing plans in sustaining partnerships.
- Latino organizations, communities and students represented substantively in decision-making, in the formation of plans, in the implementation of creative educational models and in the governance process.
- Innovative plans, based on the objectives of ENLACE, promoting a sense of communal responsibility for greater academic access and success for Latino/a youth.

- Models and information about university/P-12/community/business partnerships reaching a variety of local, state and national audiences, including policy and other decision makers, colleges, universities, school districts.

If current demographic changes continue, in twenty years the majority of students in public schools will be Latino. We must create schools that reflect the variety of Latino histories, narratives and aspirations. We must produce educators who will respect and develop this ethnic diversity as part of New Mexico's cultural capital. If New Mexico can rise to this challenge, we will serve as a model for the region, the nation, and the globe.

Proposed Strategic Goals for 2008 – 2013

Through a series of statewide meetings, ENLACE has developed a comprehensive strategic plan focusing on the upcoming five years. Three broad action items were developed along with several more core action strategies, determined by focus groups consisting of students, family members and the leadership team, each of which align with the broader items. The overarching action items include: sustainability, policy development and student success, each of the focus group strategies fall into one of the three overarching action items.

Through a series of statewide meetings, ENLACE developed a comprehensive strategic plan focusing on the upcoming five years. Four broad action items were developed along with several more core action strategies, determined by focus groups consisting of students, family and community members and an ENLACE leadership team. The overarching action items include: academic achievement, policy development, partnerships, and sustainability. The following goals correspond to the action items as listed above. Academic achievement: increase student access and success as well as family involvement, policy development: support policies that work for New Mexico communities, partnerships: develop and sustain a strong network of support, and sustainability: enhance education and community systems.

This five-year strategic plan guides ENLACE as it seeks to further its mission to increase retention and graduation rates, while smoothing transitions in the P-20 pipeline. This strategic plan outlines the work that ENLACE does and will continue to do in reaching the goals reported to HED below.

The following chart lists each overarching action items and the corresponding goals:

Core Action Strategy	Goal
Academic Achievement	
Student Support	▪ Provide additional tutoring for elementary, middle school, high school and college students ▪ Increase collaboration and partnerships to enhance support programs ▪ Increase access to rigorous curriculum including enriched, honors, advanced placement, and dual credit courses ▪ Expand P-20 mentoring, including community and peer mentors ▪ Ensure leadership and career pathways as well as job skills

Core Action Strategy	Goal
Academic Achievement	
Family Support:	▪ Support family involvement initiatives including family and community centers especially within hard-to-reach populations ▪ Increase family awareness regarding educational institutions and how to finance college ▪ Provide and support educational programs including GED and ESL classes
Teacher Support:	▪ Increase support to enhance educational expectations ▪ Increase cultural competency and sensitivity training ▪ Promote advanced placement and dual credit opportunities ▪ Expand training for Teachers of English to Speakers of Other Languages (TESOL)
Policy Development	
	▪ Develop legislative and policy priorities directly from community and stakeholders ▪ Create programmatic and policy agenda utilizing data and best practices ▪ Disseminate information and resources to constituents via mailing lists and community forums. ▪ Conduct policy forums that improve civic engagement and community knowledge ▪ Increase policy involvement at local, state, national, and global levels ▪ Support policy initiatives that seek to empower communities and create better educational outcomes for all students
Partnerships	
	▪ Further collaboration between students, families, schools, and communities to build capacity ▪ Continue to build partnerships with programs throughout the P-20 education pipeline ▪ Link the unique services we provide to organizations with similar missions ▪ Identify additional programs that enhance services to students, families, and communities
Sustainability	
	▪ Maintain current legislative efforts for funding and support ▪ Increase foundational support through partnering institutions ▪ Seek leveraging opportunities with a variety of partners ▪ Expand funding sources for policy and program initiatives

Significant Developments

As a collaborative, ENLACE has required that we set aside our individual interests for the good of the whole, something that has challenged our teamwork and stretched our creativity. Through commitments, collaboration, and sharing of resources, we have accomplished much in the last several years:

- The ENLACE Family center model has been funded for statewide dissemination by the state legislature in recognition of the fundamental importance of parents and families in their children's education.
- ENLACE worked with state legislators to create changes in the way school districts track graduation rates as a means for improving accountability, and to require the inclusion of multicultural content in 10% of all instructional materials on the approved state textbook lists.
- ENLACE representatives have provided testimony and briefings to key state and national legislators and policy groups, hosted national conferences, and served on the Governor's Education Transition Team and Education Task Force. ENLACE has earned a reputation as *the* voice for educational reform in New Mexico.
- As a result of our activities, ENLACE students' attendance rates, grade point averages, and persistence's and graduation rates have shown measurable increases. Most importantly, students and families have begun to understand that college, for them, is a reality.
- ENLACE helped bring a dialogue regarding school counselors and the counselor-student ratio to the state level. Through the New Mexico School Counselor Task Force that met for over a year, recommendations were made to the state and a report was disseminated to key public and higher education officials to increase quality school counseling and Next Step Plans for students.

Public Policy & Legislative Initiatives

The 2010 Legislative Session proved to be a very contentious one for the State of New Mexico. Many programs received cuts in funding and harsher scrutiny on programmatic results. Given the difficult economic times, ENLACE received relatively low cuts in funding. For the fiscal year 2010 – 2011 the legislature, through the New Mexico Higher Education Department, allotted ENLACE $1,032,300. However, like previous years, the funds were equally distributed to the five ENLACE regions for $200,000 to each region and the remaining $32,300 went to the ENLACE Statewide Office.

For the fiscal year 2009 – 2010 the legislature allotted ENLACE $1,147,300. The funds were equally distributed to the five ENLACE regions. As in the 2008-2009 fiscal year, the regions then voted to fund the ENLACE State Office at an amount of $147,300, leaving each region with a total budget of $200,000.

ENLACE had great success during the 2008 legislative session. The New Mexico Higher Education Department (HED) allotted ENLACE $1,147,300 for the fiscal year 2008 – 2009. The

funds were distributed equally to all five regions, per a decision by the Statewide Executive Team. In previous years, the ENLACE Statewide Office was funded solely by the W.K. Kellogg Foundation. Therefore, the 2008-2009 fiscal year was the first that the Collaborative was reliant on state funding solely.

Below is an outline of the issues and priorities that the ENLACE community agreed upon for the 2010 legislative session.

ENLACE New Mexico Statewide Collaborative
During difficult economic times, ENLACE stakeholders understand the need for the state to curtail spending and do what is best for all New Mexican families. Because education is one of the best predictors for economic recovery, even in economic hard-times, it is essential to continue investing in education. Therefore, during this difficult legislative session, ENLACE sought to maintain current funding in order to sustain programmatic levels across the state, providing a continuity of services to New Mexico's students, families, and communities.

ENLACE Mentoring & Tutoring Initiatives
ENLACE's culturally relevant mentoring and tutoring programs promote academic and personal success among middle and high school students. Programs focus primarily on students from diverse economic and cultural backgrounds. Without the leadership and support of Representative Janice Arnold-Jones and Senator Cisco McSorley these initiatives would not have such high rates of success.

Family Involvement
The ability for students to succeed in their education depends greatly on their families' level of involvement. ENLACE remains dedicated to the core mission of providing avenues of engagement, involvement, and growth for families across New Mexico. This effort includes the support of the Family and Youth Resource Act, Title I, and the New Mexico Public Education Departments creation of the Parental Leadership & Community Partnership Institute, a statewide initiative to increase parental involvement within the hardest to reach populations.

School Counseling Improved Student Advisement Plan
Throughout 2009 the New Mexico School Counselor Task Force met to build consensus on critical issues relating to school counseling and to develop policy recommendations for the New Mexico Legislature, which became a report to the New Mexico Public Education Department. School counseling and these recommendations will remain legislative priorities for ENLACE.

ENLACE's Ongoing Legislative Focus Areas include:
- Bilingual Education: expanding effective bilingual speakers will improve classroom teaching and enhance workplaces for New Mexico's communities.
- Curriculum: Legislation that seeks to enhance dual credit, advanced placement and culturally sensitive curriculum will continue to be a focus of ENLACE's.
- Financial Literacy: ENLACE will remain committed to both education and promoting programs that teach students and families about financial institutions, how to manage and financing college.
- Health & Law Career Pipeline Programs: Increasing the diversity in the legal and medical

professions will make New Mexico healthier and expand justice.

- Lottery Scholarship: Ensuring that every New Mexico high school graduate has the financial assistance they need to attend college is one of ENLACE's priorities.
- Professional & Leadership Development: The ENLACE community believes that ongoing professional and leadership development plays an important role in the improvement of students' educational experiences and created an informed populace.
- Public School Funding Formula: Funding formula reform will decrease educational inequalities and improve outcomes.
- Service Learning: Linking classroom learning with practical experience enhances educational experiences as well as increases career awareness and civic engagement.
- Small School Initiative: ENLACE supports Think New Mexico in championing legislations to expand the number of small schools.
- Youth Entrepreneurship: ENLACE supports legislation that expose youth to the skills of creating and managing small businesses, the engine of global economy.

ENLACE leaders and participants have actively worked to inform, influence, and change education policies to better serve New Mexico's students, with special emphasis on underrepresented students. This has required identifying effective strategies for supporting Latino and other minority students' education and then engaging in policy discussions to advocate for replication of these strategies to impact an increasing number of students and to sustain the work begun at the local community levels. Additionally, ENLACE continues to develop and maintain relationships with policy makers across the state.

Another successful measure of the 2010 Legislative Session was 'Virtual ENLACE Day.' Each year ENLACE organizes its annual legislative day, ENLACE Day at the New Mexico Legislature, where community members, families and students convene at the New Mexico Legislature to advocate on behalf of ENLACE, to learn about the legislative process, and to share their personal experiences and successes with ENLACE programs. Because of the need to limit spending, ENLACE created the first live webcast of the event from the State Capitol. ENLACE students served as the primary leaders and used their expertise in technology to create a live webcast that included a press conference, a panel of legislators, community members, parents and students. Hundreds of people tuned in to see their ENLACE colleagues in action. In addition, ENLACE organized a 4-language postcard for the writing campaign, 'Voices From My Community', so that every representative and senator would receive a personal message from ENLACE students and parents sharing their stories and requesting ongoing support for ENLACE and education. The postcards were all hand delivered by the ENLACE Legislative Student Interns. ENLACE also partnered with the U.S. Census Bureau to increase awareness for their 'Census in the Schools' campaign and was recognized before the House of Representatives and Senate.

ENLACE New Mexico Accomplishments

To accurately measure student achievement it is imperative to measure factors not only relating to academic success, but also to familial support as well as emotional, mental and physical wellness. While academic achievement is necessary for a student to succeed in seeking a higher

degree, it is not sufficient. Students need a more holistic measure of achievement. Therefore, ENLACE makes certain to track non-academic measures, for example, contact hours and participant levels in ENLACE programs, along with academic measure, including student GPAs, attendance rates and graduation rates.

To get an understanding of the impact ENLACE programs have on students, each program or initiative has been categorized into one of two areas: direct service or indirect service. A direct service program is one that maintains consistent contact with a student over the school year. A degree of academic gains for the student can be traced back to the student's involvement in the ENLACE direct service program. Indirect service programs are those that do not have consistent interaction with the student. For example, a student attended a workshop on paying for college. Any gains in the student's academic career are not traced back to their involvement in ENLACE indirect programs.

In 2009-2010, more than 2,600 students participated in ENLACE's direct service programs and over 5,700 students were served through indirect services. During this academic year, 227 seniors were enrolled in ENLACE direct service programs across the state. Of the 227 seniors, 215 graduated from high school, resulting in a 94.7% graduation rate. Family Centers and family involvement initiatives drew in over 37,100 contacts, not including student participants, who are included in the indirect services above. When we also account for student visits to Family Centers, the number increases to 62,061 contacts. Family Center liaisons also conducted or organized over 1,010 workshops and recruited over 210 volunteers. Moreover, 102 teachers went through AVID Professional Development, sponsored by ENLACE.

Collaboration & Partnerships

The partnerships ENLACE has established have fostered the belief that broader systems impact is created through leveraging all resources, not simply funding, while holding all stakeholders accountable. These partnerships serve as a vehicle for change. ENLACE forges partnerships between educational institutions and students, families, educators and community leaders. These partnerships include preschools through high schools, community colleges and universities. Because of their high enrollments of Hispanic and low-income students, efforts are centered on public institutions of higher education that are designated Hispanic-Serving Institutions.

The nature in which ENLACE partners with particular organizations says much about the strength and integrity of community partnerships. Partnerships are formed with various organizations that have similar missions and values because there is a common understanding that the challenges are greater than our programs alone and united advocacy is necessary for bottom up change. Although ENLACE prides itself on its positive student outcomes we believe the broader systems impact comes into play when we not only develop our students but also our communities. This is accomplished through civic engagement, parental involvement, leadership development and pipeline programs at a grassroots level.

ENLACE is leveraging its resources to impact a greater community through relationships established with UNM, including the College Enrichment and Outreach Program (CEOP), Title

V Educational Initiatives, Mentoring Institute, El Centro de la Raza, Family Development Center, Comadre a Comadre, Latin American Network in Government and Public Policy, Southwest Hispanic Research Institute (SHRI), Parent Relations, Project for New Mexico Graduate Students of Color (PNMGC), the Health Sciences Center and the School of Law. A specific example of ENLACE leveraging its resources to impact a greater community is the Los Compañeros mentors collaborating with the College Enrichment Program (CEP) at the University of New Mexico to orient and develop incoming University freshman. These mentors have the leadership skills and passion for education to influence anyone from middle and high school students to legislators. In return, the mentors are exposed to professionals who, in many cases, become mentors and role models to undergraduate and professional students, creating a web of opportunities. ENLACE's involvement with think tanks and committees have had favorable outcomes in regard to educational reform and policy development.

Successful Project Activities and Partnership Efforts

ENLACE New Mexico has evolved and changed with the goal of meeting the needs of students and families to improve academic achievement and graduation rates as well as education on health and well being that has large effects on New Mexico's communities. The ENLACE Collaborative's "bottom up" work has far exceeded program expectations in terms effectively meeting this policy goal. Consider that many Latino and other underserved parents and family members do not know how to navigate urban and rural school systems. School personnel, including classroom teachers, are often inaccessible; they neither speak Spanish nor share the cultural backgrounds of the majority of the students. Consequently, parents and students feel alienated from the school. The ENLACE New Mexico Collaborative was specifically designed to address the problem through policy development. The Collaborative creates a sense of value, purpose and ownership among parents of students in the targeted schools and surrounding neighborhoods. In fact, bilingual English-Spanish communication is one of the most prominent quality indicators offered by parent volunteers in the ENLACE movement. Moreover, ENLACE New Mexico is an oasis for many Latino and other minority and underprivileged students. Equally important, we address the need for many policies and services that are bilingual and geared toward immigrants. Parents import into the schools a set of competencies and skills that help students feel more at ease. In addition, evaluation findings revealed 1) increases in frequency of communication between families and schools; 2) increases in the quality of the relationship established between families and schools; and 3) increases in the involvement of parents in supporting students' learning and policy work.

National Networks and Partnerships

Sharing ENLACE models and best practices at a national level has been an important focus. ENLACE leadership and staff have partnered with many national organizations to share ENLACE information and have brought national partners to visit ENLACE sites. The efficacy of these efforts is best measured through the program audit done by *Excelencia* in Education. *Excelencia* in Education is a 501(c)(3) organization, based in Washington, D.C., which aims to accelerate higher education success for Latino students by providing data-driven analysis of the educational status of Latino students, and by promoting education policies and institutional practices that support their academic achievement. *Excelencia* is building a network of results-oriented educators and policymakers to address the U.S. economy's need for a highly educated

workforce. In January of 2009, *Excelencia* in Education produced a report summarizing and emphasizing the effectiveness of ENLACE's programs.

ENLACE leadership, staff and volunteers have traveled to Denver, Chicago, Orlando, Sacramento, San Antonio, and Washington D.C. to take part in presentations of ENLACE models and best practices. With each connection, it became more apparent that national partnerships are necessary for ENLACE to have the impact it wishes. These national partnerships accomplish the following:

- Demonstrate ENLACE New Mexico's dedication to educational reform, at the state and national levels;
- Provide information on local policies and practices;
- Establish and strengthen working relationships with national allies;
- Network with political leadership from across the country

ENLACE's Work Plan as Part of UNM Division of Enrollment Management

- Continue to provide support to our community for the purpose of access and success for all future students. Generate monthly report in these efforts.
- Work closely with parents in the nurturing and recruitment of future students.
- Establish a communication strategy with plan to integrate all ENLACE students and build every ENLACE student as a prospect in our University recruitment database. A special code needs to be identified, and final business plans and procedures need to be outlined in concert with the recruitment cycle.
- Build coalitions and partnerships in our community. Coordinate with a variety of partners to execute special presentations targeted toward community outreach.
- Work with all pre-collegiate programs and special programs to ensure that all students participating in the programs are part of our prospect database.
- Report on total number of prospects created in the UNM database and begin analyzing how many prospects attended UNM.

Publications

- Excelencia in Education Report (January 2009)
- Family and Youth Resource Act Progress Reports to Public Education Department (January, May 2009)
- New Mexico School Counselor Final Report to Public Education Department (November 2009)
- ENLACE Policy Agenda (January 2010)
- Strategic Plan Brochure (August 2010)
- Progress Report to New Mexico Higher Education Department (January 2010)
- Secondary Progress Report to New Mexico Higher Education Department (June 2010)
- Annual Report to New Mexico Higher Education Department (September 2010)
- ENLACE Annual Report to UNM (November 2009)
- ENLACE Annual Report to UNM (November 2010)

Staff Development

Lawrence Roybal, PhD, Executive Director
Rosemarie Romero, Program Manager
Diana Montoya-Boyer, Community Relations Manager
Josh Corbin, Education Specialist
Cynthia Sanchez, Education Support Coordinator
Christina Tapia, Education Support Coordinator
Mary Jessa Bunker, Educational Site Coordinator
Maria Molina, Education Associate
Alma Alvarez, Education Associate

The above staff members were active in the following community organizations:

Abriendo Puertas
Albuquerque Hispano Chamber of Commerce
Albuquerque Partnership
American Bar Association
AmeriCorps
Appleseed Foundation
Association of Community Colleges
Bank of America Foundation
Celebra la Ciencia
Center for the Education and Study of Diverse Populations (CESDP)
Children Youth and Families Department (CYFD)
Citi Foundation
Citizen Schools
Comadre a Comadre
Community Science Connections
Conoco Phillips Foundation
Daniels Fund
De Colores, Inc.
El Centro de Igualdad y Derechos
ENLACE Communitario
Encuentro
Excelenia in Education
Family Leadership Institute (FLI)
Family Parent Advocacy Council
GEAR-UP
Grandparents Raising Grandchildren
Hispanic Association of Colleges and Universities (HACU)
Hispanic Heritage Celebration Committee
Hispanic Statement of Cooperation (HSOC)
Hispano Round Table of New Mexico (HRT)
Juvenile Detention Centers
La Plazita
Latino/Hispano Education Improvement Task Force
League of United Latin American Citizens (LULAC)
LULAC National Education Service Centers (LNESC)
MANA de Albuquerque
Mathematics, Engineering, Science & Achievement (MESA)
Nation Association of Latino Elected and Appointed Officials (NALEO)
National Council for Community and Education Partnerships (NCCEP)
National Hispanic Caucus
National Hispanic Institute (NHI)
New Mexico Economic Development
New Mexico Educators Federal Credit Union Foundation (NMEFCU)
New Mexico Family/Parent Involvement Advisory Council
New Mexico Hispanic Bar Association
Outcomes, Inc.
Parent Teacher Association (PTA)
Parent Teacher Organization (PTO)
Parents Reaching Out (PRO)
Qwest Foundation
Rural Education of New Mexico
Self Reliance Foundation
SER de New Mexico
Somos Un Pueblo Unido

Southwest Creations
SouthWest Organizing Project (SWOP)
SPARX/Lorenzo Antonio Foundation
Think New Mexico
Upward Bound
W.K. Kellogg Foundation
Wells Fargo Foundation
Youth Development Incorporated (YDI)
2nd Judicial District Pro Bono Committee

2009-2010 Personnel Changes

HIRED: N/A
RETIRED: N/A
RECLASSIFIED: N/A
RESIGNED: Brenda Chavez

THE UNIVERSITY OF NEW MEXICO

DIVISION OF ENROLLMENT MANAGEMENT

INFORMATION TECHNOLOGY GROUP
ANNUAL REPORT
JULY 1, 2009 TO JUNE 30, 2010

MICHAEL SCHEIN, MANAGER

OCTOBER, 2010

Mission Statement

The Enrollment Management Information Technology (EM IT) team is responsible for the implementation and support of computer based information systems within the division. Software applications, computer hardware, desktop support and security are the main responsibilities of EM IT. Staff, internal and external to the division, rely on these systems to effectively do their jobs. We measure success by providing prompt and professional service with minimal downtime. Our goal is to effectively support staff, so they may efficiently serve the student population. Central to this goal is a reliable desktop PC, systems that have a high percentage of availability, and a secure environment.

Solutions

- Prompt and effective resolution to system issues.
- Industry standard or better system availability to ensure high levels of staff productivity.
- Systems Analysis to offer solutions to complex business needs.

Significant Developments

- Singularity Mass Access online forms.
  Online PDF forms were made available to students during the fall of 2009. Every form that is submitted online results in one less document that needs to be delivered, sorted, and scanned. Forms are routed via workflows to the staff resulting in greater productivity.

- File and Print services for the division.
  A shared file server was configured for all Enrollment Management documents by moving to a campus wide active directory domain.

- Physically moved servers to the SSSC.
  File, web, database, and application servers were moved from the main campus location to the SSSC. Hardware was consolidated for greater efficiency.

- Cross training for all staff.
  IT staff have been cross trained for backup, and improved service.

- RightNow CRM ticketing system.
  Users can submit all desktop, application, web, and security issues to EM IT. This system enables EM IT to track tickets and ensure quality service.

- Setup and configure a Singularity test system.
  Significant testing of all aspects of the newest release of the document imaging system was performed in preparation for the upgrade to 7.0.6.

Data

RightNow CRM Incidents (July 1, 2009 to June 30, 2010)

Category	Incidents
Desktop Support	981
Security (12/1/2009 – 6/30/2010)	865
STARRS	340
WEB Development (3/1/2010 – 6/30/2010)	59
Total	2245

Downtimes for our server systems are .05% per year, with 0.1% and below considered acceptable for e-commerce and other industrial use. We achieve these excellent results by closely monitoring our servers and making configuration changes to avoid issues. Redundancy is built into our systems to mitigate any hardware failures.

Desktop systems have similar high levels of availability. Spare machines, imaging technology, proactive virus detection software, and a secure environment ensure that users have a reliable PC.

Significant Plans and recommendations for the near future

- Provide training for 400+ users on Singularity 7.0.6.
- Upgrade Singularity document imaging system to 7.0.6.
- Implement digitally signed online forms.
- Server virtualization.
- Restructure Onestop remote support.
- Extend system fault tolerance further with the addition of redundant servers.
- Continue to provide exemplary service with minimal downtime.

Appointments to Faculty/staff

Andrew Trever, LAN Administrator, October 2009
Anthony Gallegos, Business Analyst, September 2009

Separation of faculty/staff

Raul Rico, LAN Administrator, July 2009

Publications of the division; publications of individual faculty/staff

None

Outside professional activities of staff members

EAST
IT Agents
EM Cross Training
Banner Training

Outside sponsored research

None

THE UNIVERSITY OF NEW MEXICO
DIVISION OF ENROLLMENT MANAGEMENT

VETERANS RESOURCE CENTER

ANNUAL REPORT

July 1, 2009 – June 30, 2010

Elise Wheeler,
Director, Veterans Resource Center
October 2010

VETERANS RESOURCE CENTER

MISSION

The mission of the Veterans Resource Center is to serve those members of the military and their dependents who have and are serving us so faithfully. We are committed to helping them achieve their life goals by enabling a full network of services, academic and outside veteran services.

OVER ARCHING GOALS OF THE CENTER

- To make the University of New Mexico known as the premier veteran friendly institution in a veteran friendly state.
- To increase the admission, retention and graduation rates of veterans.
- To make the Veterans Resource Center an accessible resource to all of New Mexico's veterans.
- To ensure that the Veterans Resource Center is effectively and efficiently meeting the needs of New Mexico's veterans and their dependents.
- To increase access to higher education for veterans and their families.
- To remove social, physical, and psychological barriers through a strong and vibrant network with New Mexico's vast veteran services, other higher education institutions and internal UNM organizations.

ASSESSMENT OF DEPARTMENTAL GOALS 2009 - 2010

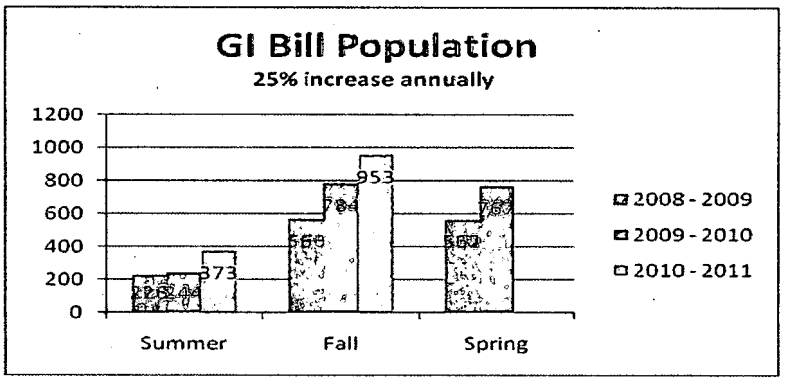
1. Implement Communication strategy into Hobsons. -- COMPLETE
    a. Weekly communications go out to all new applicants who checked that they are Veterans, Active Duty, or Dependents of Veterans. These communications highlight their Federal and State Education benefits and that the VRC will assist.
2. Develop methodology to batch upload Veteran Data from VRC Data Base – COMPLETE
    a. Through outreach, many contacts that are potentially ready to attend school are made and tracked through a VRC specific Data Base. We have the capability to upload those into Hobson's to do Ad Hoc communications.
3. Develop Ad Hoc communications to insert into Hobsons notifying them of news that may entice them to pursue and education -- COMPLETE
4. Enhance recruitment efforts to Veterans so that the University can enjoy a 25% increase in Veterans and Dependents joining the UNM family from previous years.
    a. The VRC performs many outreaches throughout the year to assist Veterans in Transition, of which education is its main focus. UNM's Veteran/Dependent population increased 33 % from the School Year 2008-2009 to 2009-2010. It is currently at an additional 22 % increase from Fall 2009 to Fall 2010. With continued emphasis on outreach and Veteran Services at UNM, we expect this trend to continue.

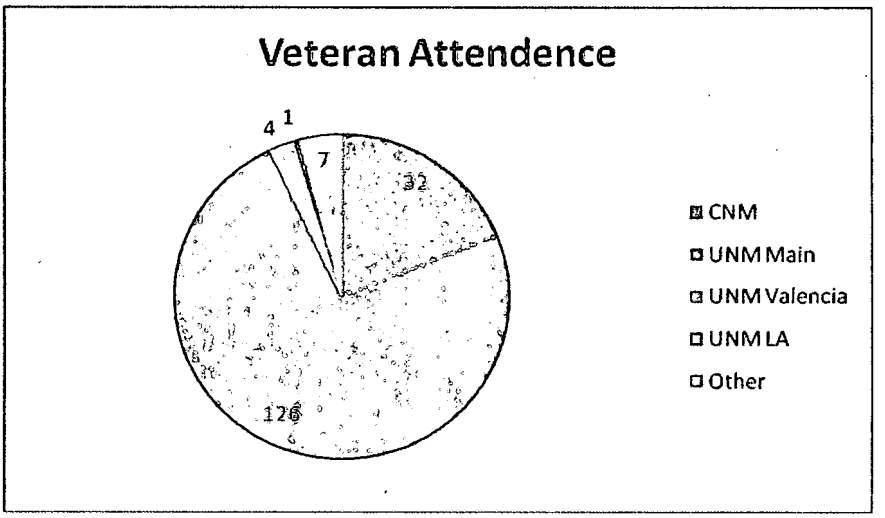
Ethnic Veteran and ensure they know that the VRC is a resource for them.

- Key team member on the State Wide implementation of Senate Bill 136 with New Mexico Higher Education Department and New Mexico Department of Veteran Services.
- Briefed New Mexico Legislative Committee on the issues facing veterans in academia.

Goals for 2010 - 2011

1. Implement Communication strategy into Hobsons.
2. Enhance recruitment efforts to Veterans so that the University can enjoy a 25% increase in Veterans joining the UNM family from previous years.
3. Utilize IT to reduce storage requirements and reuse office supplies for inactive VA Files.
4. Reduce use of paper and mailing costs within the Veterans Organization by utilizing on-line technology for VA benefits, transcripts, parent letters, etc.
5. Develop a Peer Mentoring Program for Veterans.
6. Get a Veterans House/Lounge and relocate all services there.
7. Enhance the Veterans Resource Center website for better customer service.





SIGNIFICANT ACTIVITIES

- The Veterans Resource Center officially opened its doors on April 15, 2009.
- Developed network services for Veterans available through the VRC are for all UNM and CNM veterans:
    - Work Force Solutions – Assist Veterans and qualified dependents in finding jobs.
    - Disabled American Veterans – Assist Veterans with their disability claims.
    - Home Base – VA psychologist lead group to help Veterans transition into academia
    - Personal counseling on the Pros and Cons of the different GI Bills that a Veteran is entitled to use. This is not limited to people going to UNM and CNM, we work with anyone who asks for assistance.
- Outreach has been a priority for this office due to our direction from President Schmidly. The VRC monthly attends the Transition Assistance Program at Kirtland AFB. Due to the MOU with NM Department of Veteran Service and Work Force Solution the VRC is also present at most Job Fairs and conferences where Veterans are highlighted.
- Partnered with Distance Education on how to reach the Veteran Population. Presented ideas and overview of the Federal Education Benefits, GI Bills, and impact to their staff. Worked with UNM Farmington on advertisements
- Guest presenter at many staff and faculty meetings and functions to help them understand the

Office of Equity and Inclusion
Annual Report FY10

July 1, 2009 – June 30, 2010

Submitted by

Jozi De Leon, Ph.D.
Vice President for Equity and Inclusion

UNM Core Value: ***Strength through Diversity***

We lift up our diversity as the unique strategic advantage it is, providing the environment in which our students learn with one another to generate new knowledge that helps the world's people leverage and celebrate the value of difference.

Introduction

As budgetary constraints continue to impact the University, the VP for the Office for Equity and Inclusion made a decision to eliminate its only permanent full-time staff position, the program specialist position, previously held by Dr. Azul La Luz. Budgets cuts have also impacted OEI's ability to fund as many projects as were funded the prior year. The units (El Centro de la Raza, African American Student Services and American Indian Student Services, Lesbian, Gay, Bisexual, Transgender and Questioning Resource Center and Office of Equal Opportunity) that report to the Office for Equity and Inclusion have also made some adjustments in their activities. Despite these adjustments, all units have strengthened their focus on critical matters impacting the groups they serve. In some cases, roles and responsibilities have been redefined. All student service programs have implemented Advisortrac and are more focused on the impact of their activities on student retention and graduation. Over the next few years their ability to track students will be instrumental in demonstrating the success of students using the Ethnic Student Services Centers. This longstanding goal of the VP for Equity and Inclusion has finally been realized through the development of assessment plans and measurable outcomes.

The Office for Equity and Inclusion has been involved in activities that focused on developing a healthier campus climate, addressing faculty and student recruitment and retention, and developing accountability measures. With the addition of the LGBTQ Resource Center this past year, efforts to support the center and the population it serves have been critical.

Main Objectives of Unit

Diversity is a core mission of the university in its responsiveness to its diverse student population and service to New Mexico as minority/majority state. By addressing diversity, equity and inclusion, we ensure student success, healthy communities, systemic excellence, and economic and community development.

Office for Equity and Inclusion Mission

The UNM Office for Equity and Inclusion supports system-wide diversity initiatives to enhance student recruitment and retention, academic excellence, employee diversity and a campus climate that embraces its diversity as an asset.

Office for Equity and Inclusion Vision

The UNM Office for Equity and Inclusion will advance and sustain a university environment that values differences and inclusiveness for all members of the UNM community and will promote diversity as an essential element in fulfilling the University's mission of student success, teaching, scholarship, public service and community engagement.

Diversity Plan Goals

- Goal 1: Building minority student success in undergraduate and graduate programs
- Goal 2: Recruitment and retention of minority and female faculty
- Goal 3: Faculty development to support diversity, equity and inclusion
- Goal 4: Diversity and inclusion development for staff and students
- Goal 5: Leadership and management development
- Goal 6: Promote a healthy and inclusive campus climate
- Goal 7: Develop marketing, outreach, and communications strategy
- Goal 8: Develop a structure for implementation and continuous quality improvement

UNM's 2008 Higher Learning Commission Accreditation Report included a special emphasis on Diversity. All accrediting bodies now have a focus on diversity and require universities to explicitly articulate their plans to assess their responsiveness to increasingly diverse campuses.

National Perspective

The most progressive institutions of higher education in the country have established an office or department to address diversity, equity and inclusion on their campus and to ensure that a centralized and strategic effort to address diversity are led by a single entity that coordinates efforts across campus. This approach ensures a well-planned approach that minimizes diversity efforts that are isolated and disconnected or have little or no impact on the institution's overall effectiveness in addressing diversity. This national focus on diversity in higher education is evidenced by the establishment of the Association of Public and Land Grant Universities' (APLU) Commission on Access, Diversity and Excellence (CADE), the National Association of Diversity Officers in Higher Education (NADOHE), and the public stance and commitment articulated by the Association of American Colleges and Universities (AAC&U).

New Mexico is one of the few states in the country that has a single Chief Diversity Officer in its institutions of higher education. Most states with large traditionally underrepresented populations have a CDO in each of its major institutions of higher education. This is true of California, Arizona, Florida, Texas, Tennessee, North Carolina, Illinois, Minnesota and others. While budgets and staff for the operation of the CDO's office vary from state to state, the major universities have far more robust staff and operational budgets than UNM's Office for Equity and Inclusion (personal conversation with CDO's belonging to the National Association for Diversity Officers in Higher Education).

National Recognition and Honors

The Vice President for Equity and Inclusion is a recognized national leader on diversity, equity and inclusion. Her credentials are extensive and her passion and commitment to diversity work has resulted

in her selection to serve on two national boards, the National Association of Diversity Officers in Higher Education (NADOHE) established through the American Council on Education (ACE) and the Commission on Access, Diversity and Excellence recently re-envisioned by the Association of Public and Land Grant Universities (APLU).

In addition, Minority Access, Inc. has recognized the University of New Mexico, through the work of the Office for Equity and Inclusion, for the last three years. This includes 2007-2008, 2008-2009, and 2009-2010.

Evaluation, Outcomes and Data

Since the permanent VP for Equity and Inclusion was named in 2008, the Office for Equity and Inclusion has utilized a multi-faceted approach in evaluating OEI and university progress on outcomes related to diversity, equity and inclusion. OEI has documented its activities targeting each one of the goals included in the diversity plan. We have developed a strategic action plan with measureable outcomes to ensure that OEI meets its goals. We also regularly evaluate and assess (i.e. survey) OEI activities (i.e. Stop the Hate trainings) to ensure that they are effective in supporting OEI's mission and goals.

In addition, a Diversity Report Card was instituted to report on ethnic, racial and gender diversity across faculty, staff and students at the University across five-year periods. The Diversity Report Card is critical in detailing the demographic diversity at UNM and the need for the services provided by the Office for Equity and Inclusion. Two sets of diversity report cards have been published to date (Appendix D and E). This coming year, an Equity Scorecard will be implemented that will begin to evaluate university-wide progress on the goals included in the diversity plan and additional goals identified through a campus climate survey that will be distributed in late fall 2010 or early spring 2011. See Appendix A for specific progress activities and data collected to date.

The units reporting to the Office for Equity and Inclusion have been directed to develop their own evaluation plans and measurable outcomes. Much assistance has been provided to these units to ensure that accountability measures are in place.

Staff

The work of the Office for Equity and Inclusion cuts across all sectors of the University and includes academic affairs, student services, staff services and campus outreach and partnerships in creating an inclusive campus climate. The effort required to create institutional transformation in addressing diversity is extensive.

The Office for Equity and Inclusion has been staffed by the Vice President for Equity and Inclusion, the Unit Administrator, .33 FTE staff data analyst, and one to two (1-2) Project Assistants (graduate students) in the past two years. This year, OEI was able to hire two full-time staff members to work on projects that were a priority for the Provost. These priority areas include underrepresented faculty recruitment and retention and African American student recruitment and retention. A half-time staff position is shared with Title V. In addition, four (4) graduate student project assistants and an undergraduate research assistant were hired to complete various projects. Appendix B details staff assignments, expected outcomes and timelines. Appendix C includes staff roles/responsibilities and FTE.

Entrepreneurship and Development

OEI has been working with the UNM foundation to create funding priorities and a strategy to identify funding sources. In addition, the Office for Equity and Inclusion wrote two grants in 2009. While they did not get funded, they will be resubmitted to other funding agencies. Lorena Blanco-Silva will attended a

grant-writing workshop to sharpen her skills in identifying grant opportunities for OEI and the units that report to it. Last spring, OEI held its First Annual Diversity Celebration and Fundraising Dinner. A silent auction was held in conjunction with the dinner. This year, the second annual Diversity Celebration and Fundraising Dinner is being planned for March 25, 2011. Ms. Blanco-Silva has been contacting potential corporate sponsors. She was the development officer for the Hispanic Association for Colleges and Universities and has numerous partnerships that she can refer to in her efforts. We expect that this year's fundraising event will build our outreach and partnerships which will yield greater returns in the future. We are also working with the UNM Alumni Association to establish alumni of color groups which we hope will add to our fundraising efforts in the future.

OEI and Branch Campuses

During the course of the year, the VP for Equity and Inclusion visited the branch campuses and met with faculty and staff. In addition, the VP delivered the commencement address for the UNM-Taos campus. During the year, she has interacted with the branch campuses directors at meetings and about issues specific to their campuses. The Director of the UNM-Los Alamos campus was invited to participate on the Race and Ethnicity Compliance Project and served as a representative for the branch campuses. In addition, the following have been key focal areas in OEI's work with the branches:

•Identified some common issues across campuses – recruitment of underrepresented faculty, success of underrepresented students, over-representation of minorities in staff positions with no opportunity to move into teaching and decision-making positions, lack of any effort on campus to address diversity;
•Working collaboratively on common goals to address diversity and establishing their own Diversity Councils;
•Providing diversity training and other assistance;
•Developing opportunities for transition of students from branch campuses to bachelor's or graduate programs.

Student-Focused Activities

Student-focused activities have been central the work of the Office of Equity and Inclusion. There is a strong and continuous connection to several student organizations. In addition students from underrepresented groups are provided support through the ethnic student services. Some of the student-focused areas have included the following:

- Working closely with ethnic student services programs to address student retention and student success;
- Seeking sources of funding to assist ethnic student services programs in enhancing their programs;
- Working closely with student groups, GPSA and PNMGC
- Met and established a connection with the Queer Straight Alliance
- Worked with students to establish the Lesbian, Gay, Bisexual, Transgender and Questioning (LGBTQ) Resource Center;
- Worked closely with the Black Graduate Professional Student Association.

Creating Inclusive Excellence

Creating inclusive excellence includes students, staff and faculty. The VP for Equity and Inclusion set up luncheon discussions with faculty, staff and students to discuss issues and matters of interest to them in advancing inclusive excellence. In addition, the largest number of scholars from underrepresented groups were recruited to UNM.

- 2009 American Indian Scholars
  - 7 Total
- National Hispanic Merit Scholars
  - 55 Total for 2009
  - 24 Total for 2008

The Diversity Showcase was established to highlight programs that are focused on diversity. Approximately 20 programs and organization from across campus participated.

The Office for Equity and Inclusion created the Diversity Post Doctoral Fellowship and advertised for these post doctorates nationally. A total of 35 applications were reviewed by a faculty committee and three individuals were selected, Dr. Olivia Navarro-Farr (Anthropology), Dr. Jessican Metcalf (Anthropology and Native American Studies), and Dr. Charles Becknell (Language, Literacy and Socio-cultural Studies and Africana Studies).

Faculty-Focused Activities

Most of the faculty activities involved working with faculty committees or working with faculty groups to sponsor faculty professional development opportunities in diversity areas. Some of these included the following:

•Co-chairing Title V Steering Committee
•Meeting with faculty groups
•Sponsorship of Dr. Laura Rendon
•Sponsorship of Faculty Workshop Series – Spring 09

In addition, training occurred on a Search Manual focused on the recruitment and retention of underrepresented faculty which was developed the previous year.

Faculty Recruitment and Retention 2008 – 2009

Faculty recruitment and retention activities involved the hiring of a total of eight (8) underrepresented faculty and one (1) gender equity hire. In addition, three Diversity Post Doctoral Fellowships were established and the NM Higher Education Department Minority Loan for Service Program was placed under OEI. A female/Hispanic doctoral student is studying in California and will return to UNM as a tenure-track faculty member when she completes her doctoral degree.

Faculty Ethnicity/Gender	Department
African American/Female	Architecture
White/Female	Electrical Engineering
Hispanic/Male	Psychology
Native American/Female	American Studies
Hispanic/Female	Sociology
Hispanic/Female	Computer Science
Hispanic/Male	Business Administration
Hispanic/Male	Spanish & Portuguese
Hispanic/Male	Architecture
Hispanic/Female	Diversity Post Doc: Anthropology

African American/Male	Diversity Post Doc: Africana Studies & LLSS
Native American/Female	Diversity Post Doc: Native American Studies & Anthropology
Hispanic/Female	NMHED Minority Loan for Service: Department TBD

Activities to Address Campus Climate

The Office of Equity and Inclusion has worked collaboratively with several entities across campus to deliver symposia or presentation focusing on diversity. In addition the following activities addressed campus climate:

- The office funded special projects, totaling $35,197.54 in FY09
- First Annual Diversity Celebration and Fundraising Dinner in Spring 2010
- First Annual Diversity Showcase in Spring 2010
- Developed Hate Incidence Reporting Procedures Document
- Hate Acts Train the Trainers for Intake Centers
- Worked with students to establish first LGBTQ Resource Center at UNM

In addition, the VP has met individually with deans and other groups on campus.

Communication and Outreach Activities

Most communication has been accomplished by meeting with various groups on campus. In addition, the VP for Equity and Inclusion has met with various community groups as well. The VP was a member of the NM Mesa Board and the Ralph J. Bunche Board. Through her involvement with these boards she is able to connect with individuals from the community and the public schools. This has increased awareness of the work of the Office for Equity and Inclusion. In addition, the Vice President for Equity and Inclusion has been elected to two national boards, the National Association for Diversity Officers in Higher Education (NADOHE) and the Commission on Access Diversity and Excellence (CADE) through the Association for Public and Land Grant Universities (APLU).

Additional activities that have been accomplished include:

- Provided Outreach to branch campuses
- Meet with external organizations
- NM Mesa Board
- Ralph J. Bunche Academy Board

Implementation and Accountability

- Provost's Diversity Council
- Division for Equity and Inclusion Advisory Council
- Diversity Report Card (included as appendix)
- Moving toward Equity Scorecard model
- Bi-weekly reporting to Provost
- Reporting to Board of Regents
- Report to President's Strategic Advisory Team (included in appendix)
- OEI Staff Assignments, Expected Outcomes and Timelines (included in appendix)

Appendix A
Progress and Data Collection

Student-Focused Activities

- Change in Organizational Structure
- Working closely with ethnic student services programs
- Seeking sources of funding to assist ethnic student services programs in enhancing their initiatives
- Working closely with student groups, i.e., BGPSA, GPSA, BSU and PNMGC

Creating Inclusive Excellence

- 2009 American Indian Scholars
  - 7 Total
- National Hispanic Merit Scholars
  - 55 Total for 2009
  - 24 Total for 2008

Activities to Address Campus Climate

- Sponsored Civil Rights, Immigration and Power Lines Symposia
- Collaboration on Special Initiatives throughout the year
- The office funded special projects, totaling $35,197.54 in FY09
- First Annual Diversity Celebration and Fundraising Dinner in Spring 2010
- First Annual Diversity Showcase in Spring 2010
- Developed Hate Incidence Reporting Procedures Document
- Hate Acts Train the Trainers for Intake Centers
- Worked with students to establish first LGBTQ Resource Center at UNM

Communication and Outreach Activities

- Initiated 100 internal and external outreach activities in 2009
- Outreach to branch campuses (visited UNM-Taos, UNM-LA, UNM-Valencia with Provost)
- Outreach to community organizations
- Work with Ethnic Program Directors to increase outreach

Accountability

- Provost's Diversity Council
- Division for Equity and Inclusion Advisory Council
- Diversity Report Card – 2008 & 2009 (included in this appendix)
- Moving toward Equity Scorecard model
- Bi-weekly reporting to Provost
- Reporting to Board of Regents

Faculty Recruitment and Retention (2010-2011)

Faculty Ethnicity/Gender	Department
African American/Female	Architecture
White/Female	Electrical Engineering
Hispanic/Male	Psychology
Native American/Female	American Studies
Hispanic/Female	Sociology
Hispanic/Female	Computer Science
Hispanic/Male	Business Administration
Hispanic/Male	Spanish & Portuguese
Hispanic/Male	Architecture
Hispanic/Female	Diversity Post Doc: Anthropology
African American/Male	Diversity Post Doc: Africana Studies & LLSS
Native American/Female	Diversity Post Doc: Native American Studies & Anthropology
Hispanic/Female	NMHED Minority Loan for Service: Department TBD

Faculty Recruitment and Retention (2009-2010)

Faculty Ethnicity/Gender	Department
African American/Male	Engineering
Native American/Female	Sports Administration
African American/Female	Africana Studies
African American/Female	Africana Studies
Native American/Male	American Indian Studies
*Native American/Male	American Studies
Native American/Male	American Indian Studies

*Recruited, but unable to secure

Faculty-Focused Activities

- Title V – Co-chair Steering Committee
- Developed Recruitment and Retention Toolkit
- Meetings with faculty groups
- Sponsored presentations and workshops
- Faculty Workshop Series – Spring 09
- Work with Alliance for Faculty Diversity

On the Horizon for 2010-2011

- Established the Office for Equity & Inclusion (OEI) Undergraduate Student Fellowship (Fall 2010)
- 2nd Annual Diversity Banquet and Luminaria Awards 2011 (March 25, 2011)
- Diversity Showcase (Week of March 21, 2011)
- UNM's Diversity Legacy Project (Spring 2011)
- Paul Gorski Collaborative with APS (November 2, 2010)
- Working with Faculty Senate and Core Curriculum Committee on diversity/globalization course requirement in core curriculum
- Campus Climate Survey, Spring 2011
- Transfer Study and Transfer Initiative
- Underrepresented Faculty Recruitment and Retention Study (2010-2011)
- Underrepresented Faculty Recruitment and Retention Programming (2010-2011)
- Faculty Exit Survey (Fall 2010)
- Revision of Diversity Plan
- African American Recruitment and Retention Initiative (2010-2011)
- Stop the Hate Implementation (Hate/Bias Incident Reporting Plan) (2010-2011)
- White Privilege Conference
- Community Development
- Long-Term Fundraising
- Connecting with Alumni
- Statewide Dialogue – "Addressing Diversity in Higher Education: The Role of New Mexico Colleges and Universities"
- Diversity Report Card
- Equity Scorecard
- UNM LGBTQ Resource Center
- UMM Branch Campus Initiative
- Access & Success for Undocumented Immigrant Students & Families

Appendix B
Staff assignments, Expected Outcomes and Timelines

Project Title	**Office for Equity & Inclusion (OEI) Undergraduate Student Fellowship**
Person Responsible	Christopher Ramírez
Project Description	The 2010-2011 OEI Fellowship seeks to provide diversity and leadership experiences for undergraduate students with the Office for Equity & Inclusion, and the opportunity to assist on specific projects as determined by the Vice President for Equity & Inclusion.
Collaborators	African American Student Services, American Indian Student Services, El Centro de la Raza and UNM LGBTQ Resource Center
Expected Outcomes	The 2010-2011 OEI Fellowship will include participation in implementing special projects and guidance from the Vice President and other mentors. The projects include educational and social activities (i.e. Stop the Hate, UNM Diversity Showcase, student access and success as well as other campus lectures/events), as well as recruitment and retention of underrepresented students. Each OEI department (African American Student Services, American Indian Student Services, El Centro de la Raza, LGBTQ Resource Center and Office for Equal Opportunity) will have the opportunity to nominate one student to participate in the 2010-2011 OEI Fellowship. Students not affiliated with an OEI unit are encouraged to apply with a nomination from another campus or community mentor or supervisor.
Targeted Participants	OEI Undergraduate Student Fellows
Timeline	August 2010-May 2011

Project Title	**2nd Annual Diversity Banquet and Luminaria Awards**
Person Responsible	Lorena Blanco-Silva
Project Description	The Luminaria Awards will recognize individuals or organizations that have "lit the path in areas of diversity, equity, inclusion or social justice". Their commitment can be evident in recruitment and retention of underrepresented groups, teaching, research and/or service, multicultural or cultural programming, creating cultural competence, social justice activities, community outreach or other similar activities. The 2nd Annual *Diversity Celebration and Fundraising Dinner* will be held on March 25, 2011.
Collaborators	UNM staff, faculty and students, national and local community, foundations and corporations.
Expected Outcomes	The 2nd Annual Diversity Banquet and Luminaria Awards is the Office for Equity and Inclusion's Initiative to raise funds for continued operating costs for the Office for Equity and Inclusion. Additionally, we will showcase the initiatives currently underway at UNM and throughout the community as well as the people doing great work around diversity and inclusion.
Targeted Participants	UNM staff, faculty and students
Timeline	On-Going

Project Title	**Diversity Showcase**
Person Responsible	Lorena Blanco-Silva
Project Description	Coordinate activities for 2011 Diversity Showcase culminating in the 2nd Annual Diversity Celebration Dinner and Presidential Luminaria Awards on 3/25/11
Collaborators	OEI Staff, OEI Unit, Community Members, Alumni
Expected Outcomes	Bring awareness to diversity initiatives on campus to internal and external customers. Leverage best practices for increased funding to the University by the State Legislature. Gather data and publish the 2011 Best Practices Brochure.
Targeted Participants	OEI Staff, OEI Unit, Community Members, Alumni
Timeline	Assemble committee to coordinate activities surrounding 2011 Showcase – November 2011 Develop Budget – November 2011

Project Title	**UNM's Diversity Legacy Project**
Person Responsible	Lorena Blanco-Silva
Project Description	The Office for Equity and Inclusion will work with the Julian Samora Legacy Project to produce a short film highlighting the legacy of diversity at UNM. We will research and highlight the strides the University has made in implementing strategies for the recruitment and retention of underrepresented students and staff from the creation of the Ethnic Centers to the establishment of the Office for Equity and Inclusion.
Collaborators	OEI Staff, Julian Samora Legacy Project
Expected Outcomes	The video will be used to showcase the best practices being used at UNM. The audience is internal and external customers including those responsible for funding from the state legislature to potential corporate and foundation funders. It will serve to establish UNM as a leading institution, which deals with diverse populations.
Targeted Participants	UNM staff, faculty and students and community members
Timeline	November 2010-March 2011

Project Title	**Campus Climate Survey**
Person Responsible	Sonja Robinson
Project Description	The campus climate survey will be sent to the students, staff, and faculty populations of the UNM campus. Three different survey instruments will be used in an effort to help OEI examine and report out about the experiences of UNM constituencies in the following areas: academic and social support; value and perception of diversity; academic, professional, and social preparation; campus engagement; sense of belonging; general awareness and responsiveness; and intergroup relations/cultural competencies.
Expected Outcomes	Given the very nature of the project, we understand that this initial survey will not be as comprehensive as we would like. The expectations for the survey results are that responses will cover broad areas of analysis and will help provide guidelines and direction for further study and investigation regarding the OEI and the University's diversity goals and initiatives. We expect that a following project will be the use of focus groups and small group forums to expand on the information gathered from the survey. In addition, it is expected that some of the results will be used to inform the creation of the Equity Score Card (ESC).
Targeted Participants	UNM Community: Students, Staff, Faculty
Timeline	October 2010 – Survey instruments approved by OEI November 2010 – Survey's sent out to groups November 2010 (end) – Results collected December 2010 – Preliminary Data analysis Spring 2010 – Relevant results will be implemented into ESC

Project Title	**Transfer Study and Transfer Initiative**
Person Responsible	Dr. Joy Griffin

Project Description	• Internal scan: UNM and UNM Branch Campus Transfer Process
	• Advisor and Student Focus Groups on Transfer Students
	• Transfer Student Survey (Ethnicity by Student Classification by Gender) N = 891
	• Formation of Internal Management Committee for Transfer Students
	  o Transfer Checklist
	  o Best Practices Review
	  o Transfer Class
	• Strategic planning of interventions based on Transfer Student Survey research
	• Best Practices for Transfer Research Review and Assessment of UNM Internal Best Practices
	• Action plan development to assist (SIPI)

Expected Outcomes	Increase numbers of ethnic minority transfer students and increased academic success.
Targeted Participants	Transfer Students, UNM and UNM Branch Campuses, Central New Mexico Community College, and other state higher education institutions

Timeline	• Internal scan: UNM and UNM Branch Campus Transfer Process (12/20/10)
	• Advisor and Student Focus Groups on Transfer Students
	  o Student Survey (10/18/10)
	  o Advisor Focus Groups (10/31/10)
	  o Student Focus Groups (12/14/10)
	• Transfer Student Survey (Ethnicity by Student Classification by Gender) N = 891
	  o Survey Administration (10/18/10)
	  o Analysis (11/30/10)
	• Formation of Internal Management Committee for Transfer Students
	  o Committee Formation (10/31/10)
	  o Transfer Checklist (11/30/10)
	  o Best Practices Review (On-going)
	  o Transfer Class (11/16/10)
	• Strategic planning of interventions based on Transfer Student Survey research (12/20/10)

Project Title	**Underrepresented Faculty[1] Recruitment and Retention Study**
Person Responsible	Dr. Chalane Lechuga
Project Description	There are several goals of the underrepresented faculty recruitment and retention study. These include an assessment of the number of underrepresented faculty at UNM from 2000 to 2009, an analysis of the tenure-track trajectories of new faculty hires during this same period, and an exploration of the experiences of underrepresented faculty on main campus. This study will occur in two phases, a quantitative analysis of the tenure-track trajectories of new faculty hires on main campus from 2000-2009, and a qualitative assessment of the experiences of underrepresented faculty.
Collaborators	Title V Faculty Committee Project for New Mexico Graduates of Color (PNMGC) Faculty Senate President
Expected Outcomes	This study will allow us to see changes in the number of underrepresented tenure-track faculty on main campus, in addition to comparing the tenure-track trajectories of new faculty hires from 2000 to 2009. The study will also describe the experiences of underrepresented faculty and present suggestions for enhancing the recruitment and retention of underrepresented faculty.
Targeted Participants	Underrepresented Faculty on Main Campus, Office of the Provost, and The University Community
Timeline	**Tenure-Track Trajectory Analysis** 10/31/10 Literature Review 10/31/10 Tenure-Track Trajectory Methodology 11/30/10 Collect Data 12/30/10 Data Analysis 01/31/11 Report **Qualitative Assessment of the Experiences of Underrepresented Faculty** 1/30/11 Develop Interview Guide 2/28/11 Complete draft of IRB Application 3/31/11 IRB Approval 5/30/11 Data Collection: One-on-One Interviews 6/30/11 Data Analysis: Transcription of Interviews 6/30/11 Data Analysis: Code Interviews for Themes 8/01/11 Report

[1] Underrepresented faculty includes those that have identified as Hispanic, African American, or American Indian

Project Title	**Underrepresented Faculty Recruitment and Retention Programming**
Person Responsible	Lorena Blanco-Silva
Project Description	Along with OEI staff and members of the Faculty Committee, develop strategies to impact the increased recruitment and retention of underrepresented staff at the University of New Mexico. We will address issues surrounding the attrition levels and look to provide additional resources to recruit additional underrepresented staff.
Collaborators	Dr. Chalane Lechuga, OEI Staff, UNM Faculty and Community
Expected Outcomes	The increased recruitment and retention of underrepresented faculty at the University of New Mexico
Targeted Participants	Faculty, staff and students
Timeline	On-going

Project Title	**Underrepresented Faculty Recruitment and Retention Study**
Person Responsible	Rita Abeyta
Project Description	Work with OEI staff to start gathering faculty data for the last ten years in regards to tenure/promotion, retention and recruitment data as it relates to underrepresented faculty. In this case, underrepresented faculty include Hispanic, African American and American Indian.
Collaborators	Office of Institutional Research OEI Staff Faculty Contracts
Expected Outcomes	Provide the raw data on faculty related to promotion, tenure and retention for the last 10 years.
Targeted Participants	Faculty Provost Office
Timeline	Data for this report is captured at the end of October on a yearly basis. Data integrity initiatives are done throughout the year. The faculty retention data will probably not be available until the spring semester.

Project Title	**Faculty Exit Survey**
Person Responsible	Dr. Chalane Lechuga
Project Description	The goal of this project is to develop a comprehensive exit survey for resigning faculty. The survey will allow faculty members to provide feedback on their experiences in the following areas: the university and respective college, departmental life, individual considerations (i.e. teaching assignments, salary, equity, etc.), support services and resources (i.e. professional development support), connections to the local community, and reason(s) for leaving the university. To date, there is no campus-wide exit survey for resigning faculty.
Collaborators	Office for Equal Opportunity, Title V Faculty Committee, and the Office of the Provost
Expected Outcomes	We examined the faculty exit process at nearby higher education institutions and then at our eighteen peer institutions, as defined by UNM's Office for Institutional Research. We found that the exit process varied by institution and that many institutions, like UNM, are in the process of developing an exit survey and interview process. The draft survey reflects the review process and contains questions relevant to institutional values and governance, as well as college and departmental values and governance. The format allows the university to collect information on the level of importance and satisfaction in a given area. This format enhances the value of the data to identify areas of success, as well as areas of needed improvement. The instrument also has sections where exiting faculty can provide comments that they feel will be of value to the institution. It also allows the university to collect data on the exiting faculty's new position, which will provide another dimension in assessing the university's values and governance.
Targeted Participants	Resigning Faculty The University Community
Timeline	9/30/10 First draft of survey 10/5/10 Share with Title V Committee 10/22/10 Finalize feedback from Title V Committee 10/29/10 Final feedback from constituents 10/31/10 Final draft of survey 11/1/10 Final version of survey provided to Faculty Contracts to administer to resigning Faculty

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Project Title	**African American Recruitment and Retention Initiative**
Person Responsible	Dr. Belinda Deneen Wallace
Project Description	The University of New Mexico's Office for Equity and Inclusion strongly reaffirms its dedication to African American students and prospective students and this dedication is expressed in words, deeds, policies and practices. The Office for Equity and Inclusion will develop a strategic outline that will identify and/or create services, programming and support specifically designed to meet the needs of African American students. This strategic outline will also focus on improving the campus climate for African American students by fostering a supportive environment predicated on respect, understanding and value. To this end, the strategic outline incorporates objectives designed to improve the college climate and thus enhance the college experience for African American students.
Collaborators	African American Student Services (and other appropriate campus entities)
Expected Outcomes	Significant increases in enrollment, retention and graduation rates for African American students An enhanced college experience for African American students
Targeted Participants	Prospective African American students Currently enrolled African American students
Timeline	October 2010 – Strategic Outline presented to VP-OEI October - November 2010 – Collaboration of OEI's "Strategic Outline" with the "African American Student Services Recruitment Initiatives for Undergraduate and Graduate Students" to create a comprehensive recruitment and retention plan December 2010 – Comprehensive plan presented

Project Title	**Stop the Hate Implementation (Hate/Bias Incident Reporting)**
Person Responsible	Lorena Blanco-Silva
Project Description	Implement the national Stop The Hate model at the University of New Mexico. Stop the Hate is a national initiative through Campus Pride, which supports colleges and universities in preventing and combating hate on campus as well as fostering the development of community. The national program serves as the premiere source of anti-hate educational resources for higher education institutions and campus communities. Develop intake centers throughout campus with trained intake specialists for Hate/Bias Incident Reporting.
Collaborators	UNM staff, faculty and students
Expected Outcomes	The establishment of a zero-tolerance policy at UNM in regard to Hate/Bias incidents. Implement diversity and cultural sensitivity across campus.
Targeted Participants	UNM staff, faculty and students
Timeline	On-going informational sessions to inform the university community about the initiative, additional trainings to train additional intake specialists.

Project Title	**White Privilege Conference**
Person Responsible	Jordon Johnson
Project Description	The goal of this project is to raise awareness and examine the concepts of privilege and oppression as well as offer solutions and team-building strategies to work toward a more equitable world. The conference attracts students, professionals, activist, parents, and community leaders/members from diverse perspectives. It is a conference that is based in being attentive to the educational system. The goal is to host this national conference in 2012 and create a sustainable coalition focused on these concepts in relation to higher education.
Collaborators (Potential)	Office of the Provost Institute for Social Justice and Race College of Education El Centro de la Raza Robert Wood Johnson Center for Health Equity Office of Diversity Advocates for Equity New Mexico Health Equity Work Group New Mexico Forum for Youth Farmington Indian Intertribal Organization Projects for New Mexico Graduates of Color University of New Mexico Hospital Diversity, Equity, and Inclusion
Expected Outcomes	Build community partnerships Engage university & others in discussion about race, ethnicity and white privilege Create university presence at WP Conference
Targeted Participants	The University of New Mexico Community New Mexico State University New Mexico Highlands University All New Mexico higher education institutions Albuquerque Public Schools Albuquerque Charter Schools All New Mexico public, charter, and privates schools New Mexico community members, activist, non-profit sectors, and businesses Regional and National educational affiliations
Timeline	12/1/10 Memorandum of Understanding

Project Title	**Community Development**
Person Responsible	Lorena Blanco-Silva
Project Description	Participate in community groups to develop funding prospects and represent OEI at community-based events.
Collaborators	Community groups
Expected Outcomes	Build awareness of UNM's Office for Equity and Inclusion and develop relationships within the community for potential funding opportunities and partnership opportunities.
Targeted Participants	Community groups
Timeline	On-going

Project Title	**Long-Term Fundraising**
Person Responsible	Lorena Blanco-Silva
Project Description	Raise funds and support for the Office for Equity and Inclusion. Create strategic plan in collaboration with OEI Unit to establish funding priorities. Develop fundraising plan to secure funding through the support of individuals, foundations and corporations.
Collaborators	OEI Staff, UNM partners, local and national community members, foundations
Expected Outcomes	To raise funds and provide sustainable resources to the Office of Equity and Inclusion to grow and expand their programs and services to enhance student recruitment and retention, academic excellence, employee diversity and a campus climate that embraces its diversity as an asset.
Targeted Participants	Individuals (alumni), corporations, foundations, community partners
Timeline	On-going research of potential donors, solicitations and cultivation of donors

Project Title	**Connecting with Alumni**
Person Responsible	Lorena Blanco-Silva
Project Description	Create plan to reach out to alumni of underrepresented groups to develop funding base and list for participation in OEI Alumni events.
Collaborators	Alumni, Alumni Association and Foundation
Expected Outcomes	Build financial support for the Office for Equity and Inclusion by cultivating alumni relationships. Studies show the largest donations made to universities are through individuals and not corporations.
Targeted Participants	UNM Alumni
Timeline	Winter 2010, create database of underrepresented Alumni, and solicit participation and/or donations for OEI.

Project Title	**Diversity Report Card**
Person Responsible	Rita Abeyta
Project Description	The Diversity Report Card is published each year by the Office for Equity & Inclusion. This report is specific to diversity for students, faculty and staff for main campus, Health Sciences Center and branch campuses. I help to provide the initial raw data that is used in this report.
Collaborators	Office of Institutional Research OEI Staff
Expected Outcomes	Provide the raw data on diversity for all campuses that relates to students, faculty and staff.
Targeted Participants	Faculty, staff and students at all UNM campuses.
Timeline	Data for this report is captured at the end of October on a yearly basis. Data integrity initiatives are done throughout the year. The Diversity Card will probably not be available until the spring semester.

Project Title	**Diversity Report Card (DRC)**
Person Responsible	Veronique Richardson
Project Description	It is important to track and report demographic data of enrollment, graduation and retention of UNM students, faculty and staff in order to address and engage OEI and the respective students, faculty and staff in diversity initiatives and goals on UNM's campus. The UNM DRC reports and analyzes representational diversity data to create an institutional snapshot of the students we serve and the faculty and staff composition. Additionally the branch campuses are provided a comprehensive pamphlet that presents their own individual representational diversity data to better understand the progress of their own diversity initiatives and measures.
Expected Outcomes	The DRC is expected to inform the UNM community in an accessible and straightforward manner, using tables and graphs, of the representational diversity data in order to support, assist, and further OEI's and the university's diversity initiatives. Highlighting some of the ethnic and racial disparities will also assist in creating a space in which to address some of the issues behind the data. For example, the demographic data may demonstrate the need to focus on recruitment and retention efforts of underrepresented faculty.
Targeted Participants	UNM community: Students, Faculty & Staff
Timeline	End of Fall 2010 Semester – Some information is dependent on the completion of the 2010 OIR Factbook. Middle of Spring Semester 2011 – Complete publication

Project Title	**Equity Score Card (ESC)**
Persons Responsible	Sonja Robinson & Veronique Richardson
Project Description	With a focus on equity, the equity score card uses demographic racial and ethnic data to report the current state of equity at the university based on four specific areas, Access, Retention, Student Success, and Campus Climate. In measuring the university's progress, the ESC will look at the relevant benchmarks set by the university and will use collected data from various sources to measure and assess the achievement of those goals. The ESC will accompany the information provided by the DRC, but will further analyze the effectiveness of, or the need for, diversity measures and initiatives on campus. Furthermore the ESC can better strategize and better build support networks for the university's diversity initiatives.
Expected Outcomes	The data collected in relation to the specific areas that the ESC focuses on is intended to create a space to analyze and address the achievement gap that exists at the university. This in turn will assist the university to develop support services necessary to maintain equal access and equal success to its students, faculty and staff. It is also expected that some of the results from the Campus Climate Survey will be used to inform portions of the ESC.
Targeted Participants	UNM community: Students, Faculty and Staff
Timeline	Spring 2011

Project Title	**Equity Score Card**
Person Responsible	Rita Abeyta
Project Description	Create the Equity Score Card that will be published each year by the Office of Equity & Inclusion. This report will have some more detail data that is related specifically to ethnic students, faculty and staff for main campus, Health Sciences Center and branch campuses. I help to provide the raw data that is used in this report.
Collaborators	Office of Institutional Research OEI Staff
Expected Outcomes	Provide the raw data on ethnic students, faculty and staff for all campuses.
Targeted Participants	Faculty, staff and students at all UNM campuses.
Timeline	Data for this report is captured at the end of October on a yearly basis. Data integrity initiatives are done throughout the year. The Equity Score Card will probably not be available until the spring semester.

Project Title	**AdvisorTrac**
Person Responsible	Rita Abeyta
Project Description	AdvisorTrac is a software application tool that has been utilized by College of Arts & Sciences and University College to track advising sessions with their students. The ethnic student service centers on campus also needed similar tracking capabilities. AdvisorTrac was implemented in February 2010 for the ethnic student service centers (African American Student Services, American Indian Student Services and El Centro).
Collaborators	Vanessa Harris –Director UC Advisement Center Stephanie Hands – Director Academic Advisement Arts & Sciences
Expected Outcomes	Ensure that the student service centers are able to collect and report on the data related to the services provided by their offices to their students. Provide training to the student service centers as needed. Meet with representatives on a monthly basis to ensure their data needs are met. Meet with Vanessa Harris and Stephanie Hands on a monthly basis to continue to make sure the ethnic student service center needs are met.
Targeted Participants	Staff at the student service centers.
Timeline	On-going

Project Title	**UNM LGBTQ Resource Center**
Person Responsible	Jordon Johnson, Christopher Ramirez, Sonja Robinson, and Chalane Lechuga
Project Description	This project includes assisting with the opening and operations of the Center as well as hiring a project coordinator for the Center. The Center provides services for the university community as well as the broader local community.
Collaborators	American Indian Student Services African American Student Services El Centro de la Raza Equality New Mexico Transgender Resource Center of New Mexico Young Women United PFLAG Albquerque New Mexico GSA Network Department of Health First Nations Community Health Network MPower University of New Mexico Hospital Diversity, Equity, and Inclusion
Expected Outcomes	Opening the Center, Intake and Assessment, Programming, and Technical Support
Targeted Participants	The University of New Mexico students, faculty and staff and Local and statewide LGBTQ community members
Timeline	August 2010 – Opening of LGBTQ Resource Center - completed September 2010 – Project Coordinator hired – completed

Project Title	**UNM LGBTQ Resource Center Safe Zone Training and Bullying Training**
Person Responsible	Christopher Ramírez
Project Description	Support the UNM LGBTQ Resource Center's mission to "provide services to UNM faculty, staff and students of all gender identities and sexual orientations through advocacy, education, safety and support" by identifying, training and supporting allies across the UNM campus and the larger community.
Collaborators	Various UNM and community partners
Expected Outcomes	Build visibility for the UNM LGBTQ Resource Center Change the campus (and community) climate for LGBTQQIA faculty, students and staff Network with other campus departments, student clubs and community organizations Trainings facilitated for UNM faculty, staff and students and community
Targeted Participants	UNM faculty, staff and students as well as community partners
Timeline	August 2010-May 2011

Project Title	**UNM Branch Campus Initiative**
Person Responsible	Jordon Johnson
Project Description	The goal of this project is to connect with our branch campus regarding issues of equity and inclusion. At this time, the project will provide a campus climate survey and possibly a needs assessment for students. The branch campuses provide an excellent opportunity for students in the surrounding community to access an education.
Collaborators	Office of Diversity, UNM Gallup, UNM Zuni Campus UNM Valencia, UNM Taos, and UNM Los Alamos
Expected Outcomes	Develop student support services Create a sustainable transfer of support system when coming to main campus
Targeted Participants	The University of New Mexico students, faculty and staff
Timeline	November 2010 – Create a climate survey for students December 2010 – Survey sent to students December 2010 – Results collected January 2011 – Preliminary Data analysis

Project Title	**Access & Success for Undocumented Immigrant Students & Families**
Person Responsible	Christopher Ramírez
Project Description	Since SB582 was passed in 2005, undocumented students in New Mexico have been able to access in-state tuition and state funding (Lottery Scholarship). UNM has provided access and support for students since the mid-1990s through El Centro de la Raza, Office of Admissions, Office of Financial Aid and Office of Student Affairs. As a continuation, the Office for Equity & Inclusion will work with these departments as well as other campus and community partners to provide information, networking opportunities and skills-building on campus and in the community. This project also connects UNM with other colleges and universities across the state as well as K-12 school districts and community organizations.
Collaborators	Coalition for Immigration, Race & Social Justice; ENLACE; El Centro de Igualdad y Derechos; El Centro de la Raza; Latino/Hispano Education Improvement Taskforce; New Mexico Network for Advocacy, Policy and Services for Undocumented Students (NMNAPSUS); NM Higher Education Department; NM Public Education Department; and Somos un Pueblo Unido
Expected Outcomes	Increased awareness of the needs of undocumented students and families for campus and community partners including UNM faculty and staff Increased awareness of the rights and responsibilities of undocumented students and families to be able to access higher education
Targeted Participants	K-12 undocumented students and their families; K-12 teachers and staff; college faculty and staff; public agency (HED/PED) staff; and community organization staff
Timeline	August 2010-May 2011

Appendix C
Staff Roles/Responsibilities and FTE

Dr. Jozi De Leon, Vice President for Equity and Inclusion, 1 FTE, oversees university-wide diversity efforts, collaboration, outreach and planning. In addition, she supervises the five units that report to her and the daily operations of the Office for Equity and Inclusion.

Rebecca Rendon de Gonzales, Unit Administrator, 1 FTE, oversees budgets for all units reporting to OEI, manages office operations, and provides support to the VP.

Rita Abeyta, Data Analyst, .33 FTE, assists with data collection, reporting and analysis for the Diversity Report Card and other data needs.

Dr. Chalane Lechuga, Special Assistant on Faculty Recruitment and Retention Evaluation and Research, 1 FTE, responsible for completing a 10-year review of recruitment and retention of underrepresented faculty, assists with overall evaluation of OEI and the units reporting to it.

Dr. Belinda Wallace, Special Assistant on African American Recruitment and Retention, 1 FTE, responsible for working collaboratively across campus to address African American Recruitment and Retention. The critical nature of her position resulted from recommendations made by the HLC Accreditation Evaluation.

Lorena Blanco-Silva, .50 FTE (a shared position with Title V), responsible for planning and development for the Diversity Celebration Event and coordinates collaborative opportunities with other entities on campus.

Veronique Richardson, 10 hours per week, project assistant responsible for Diversity Report Card, Equity Scorecard and assisting with Campus Climate Survey.

Sonja Robinson, MBA, 20 hour per week, project assistant responsible for website, facebook, communication plan, and assists with Campus Climate Survey.

Christopher Ramirez, 20 hours a week, project assistant responsible for partnerships and outreach within the university and the external community. Also, oversees OEI Fellows program and assists with LGBTQ activities.

Jordon Johnson, MA, MSW, 20 hours per week, project assistant responsible for outreach to branch campuses, coordination of UNM's role with the White Privilege Conference, assists with LGBTQ activities and other duties as assigned.

Christina Reynoso, 20 hours a week, undergraduate research assistant, provides support to all staff.

Appendix D

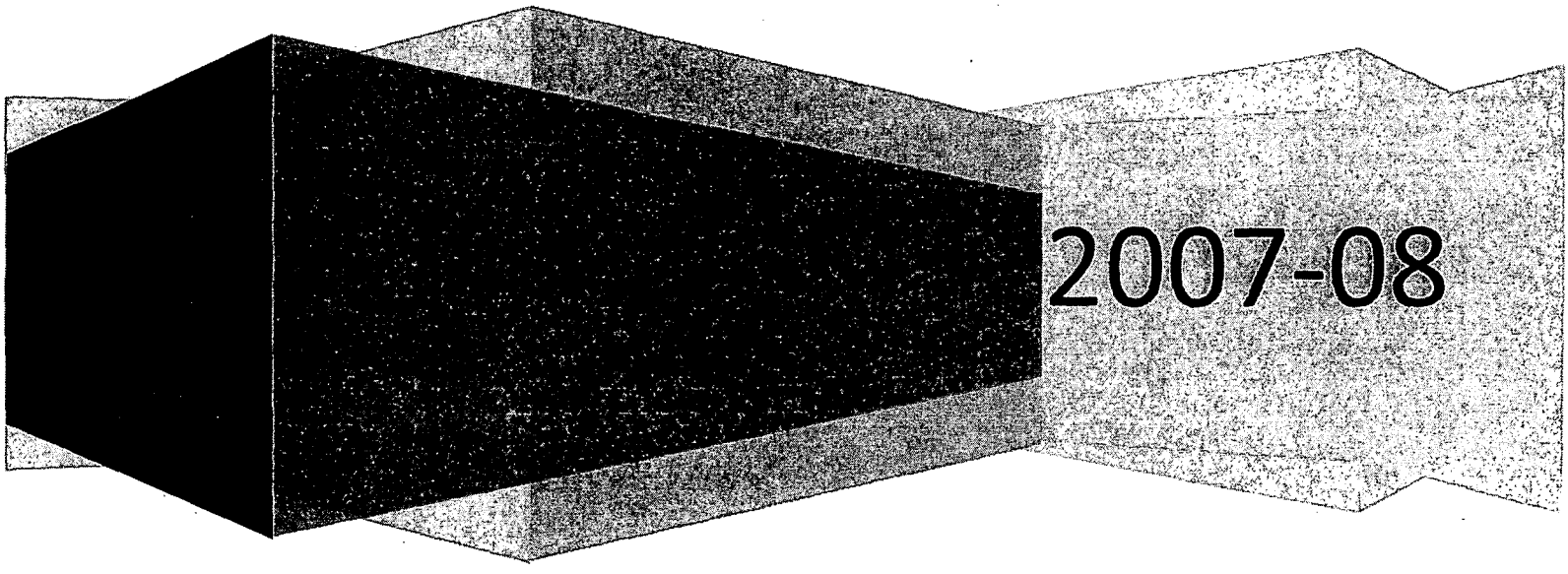
UNM

Office of Equity & Inclusion, University of New Mexico

Diversity Report Card

A report on the demographics of the students, faculty and staff of the University of New Mexico

Dr. Jozi De Leon, VP for Equity and Inclusion



Introduction

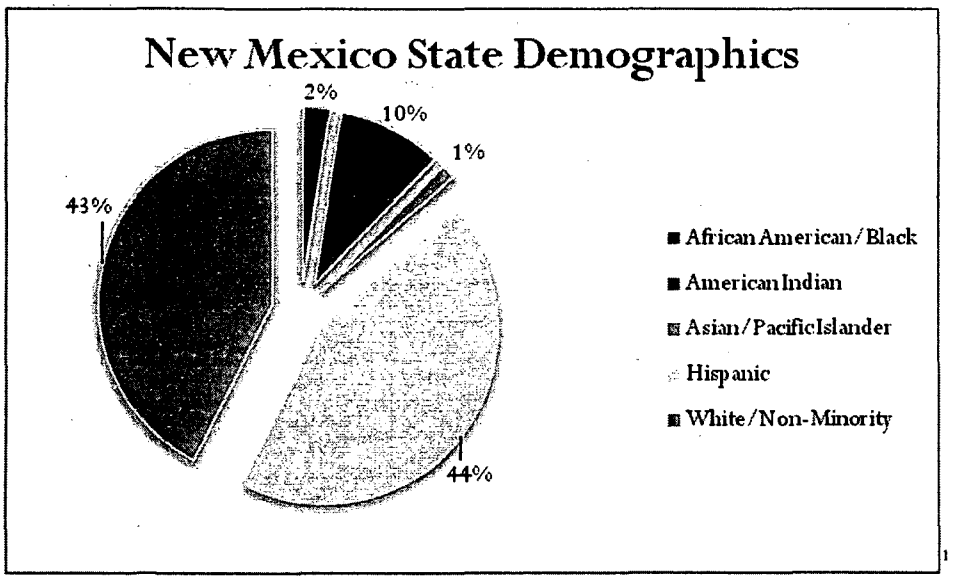
The Office of Equity and Inclusion (OEI) is responsible for tracking the University's progress on several diversity measures. These include student enrollment numbers and percentages of undergraduate and graduate students enrolled from all ethnic/racial groups and gender. Since student retention efforts are clearly at the top of the university's priorities, student second-year retention and graduation rates are also reported. Several measures that address the ethnic/racial representation of faculty and staff are addressed in the second half of the report.

This is the first Diversity Report Card compiled by the Office of Equity and Inclusion (OEI). It analyzes 2007 data and reports a number of baseline indicators of representational diversity at the University of New Mexico. These data will be used to determine our progress in the increase of members from underrepresented groups in our student population as well as faculty and staff.

Representational diversity data is the easiest to capture, however, the Office of Equity and Inclusion is involved in a number of activities that impact diversity at a much broader level. Accountability measures for these activities will be captured and reported in future Diversity Report Cards and other reports.

Student Enrollment

Before reviewing the student enrollment demographics at the University of New Mexico (UNM), it is helpful to note the overall demographics of the state of New Mexico. New Mexico is a "minority majority" state as you can see in the chart below. Also important to note is the large percentage of the population that is American Indian compared to the national average of 1%. It is this diverse and unique state – New Mexico – that UNM seeks both to serve and to represent.



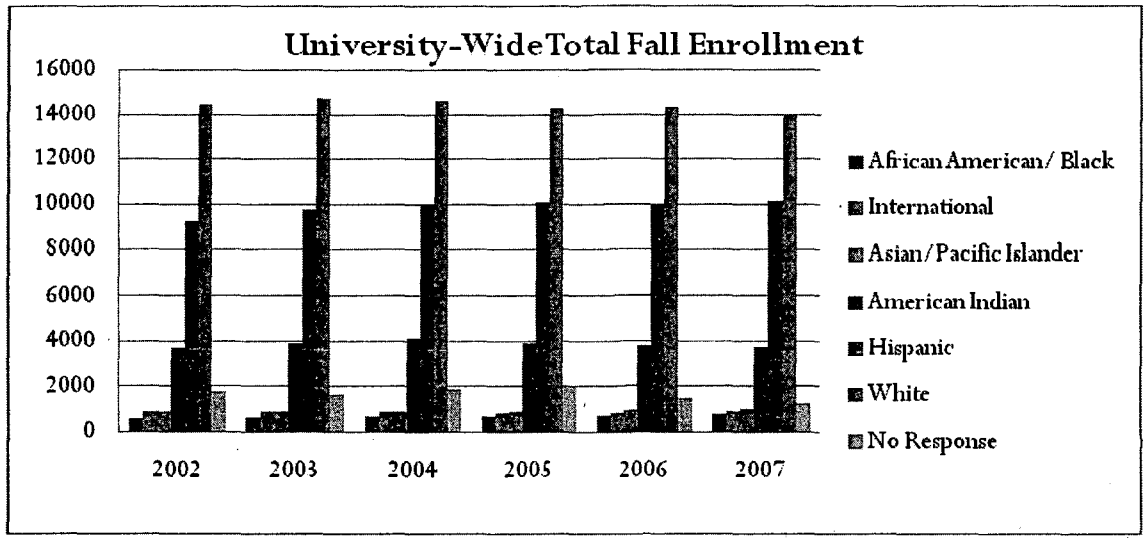
[1]

[1] From the 2006 U. S. Census estimates, available at http://quickfacts.census.gov/qfd/states/35000.html

Student enrollment is a snapshot of the university demographics as a whole. The university community is quite diverse, but it does not reflect the demographics of the state of New Mexico – a minority majority state. Following the University-wide statistics are the enrolment statistics for the branches: Gallup, Los Alamos, Taos and Valencia.

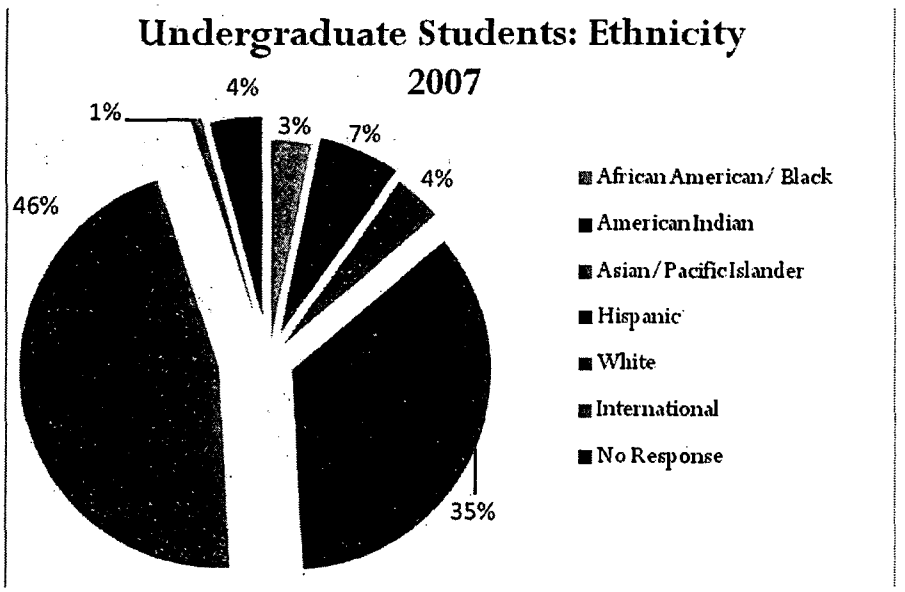
Total Fall Enrollment (Main, HSC, Branches, and Extended University; Full and Part Time)

	2003	2004	2005	2006	2007
Females	**19,457**	**19,909**	**19,753**	**19,219**	**18,924**
	60 %	60%	60%	59%	59%
Males	**13,239**	**13,355**	**13,162**	**13,128**	**13,162**
	40%	40%	40%	41%	41%
African American	**678**	**703**	**732**	**755**	**799**
	2%	2%	2%	2%	3%
American Indian	**3,925**	**4,163**	**3,938**	**3,830**	**3,791**
	12%	13%	12%	12%	12%
Asian/Pacific Islander	**933**	**946**	**958**	**999**	**1,046**
	3%	3%	3%	3%	3%
Hispanic	**9,755**	**9,977**	**10,055**	**9,998**	**10,154**
	30%	30%	31%	31%	32%
White, non-Hispanic	**14,738**	**14,636**	**14,315**	**14,345**	**14,050**
	45%	44%	44%	44%	44%
International	**950**	**936**	**903**	**890**	**927**
	3%	3%	3%	3%	3%
No Response	**1,717**	**1,903**	**2,014**	**1,530**	**1,319**
	5%	6%	6%	5%	4%
Total	**32,696**	**33,264**	**32,915**	**32,347**	**32,086**



Undergraduate Students, Main Campus

	2003	2004	2005	2006	2007
Females	10,098	10,429	10,730	10,459	10,407
	58%	58%	58%	57%	57%
Males	7,447	7,598	7,657	7,740	7,852
	42%	42%	42%	43%	43%
African American	481	524	554	566	584
	3%	3%	3%	3%	3%
American Indian	1,128	1,183	1,192	1,189	1,207
	6%	7%	6%	7%	7%
Asian/Pacific Islander	574	592	630	682	711
	3%	3%	3%	4%	4%
Hispanic	6,032	6,258	6,354	6,361	6,471
	34%	35%	35%	35%	35%
White, non-Hispanic	8,274	8,269	8,417	8,387	8,361
	47%	46%	46%	46%	46%
International	129	109	127	149	159
	1%	1%	1%	1%	1%
No Response	927	1,092	1,113	865	766
	5%	6%	6%	5%	4%
Total	17,545	18,027	18,387	18,199	18,259

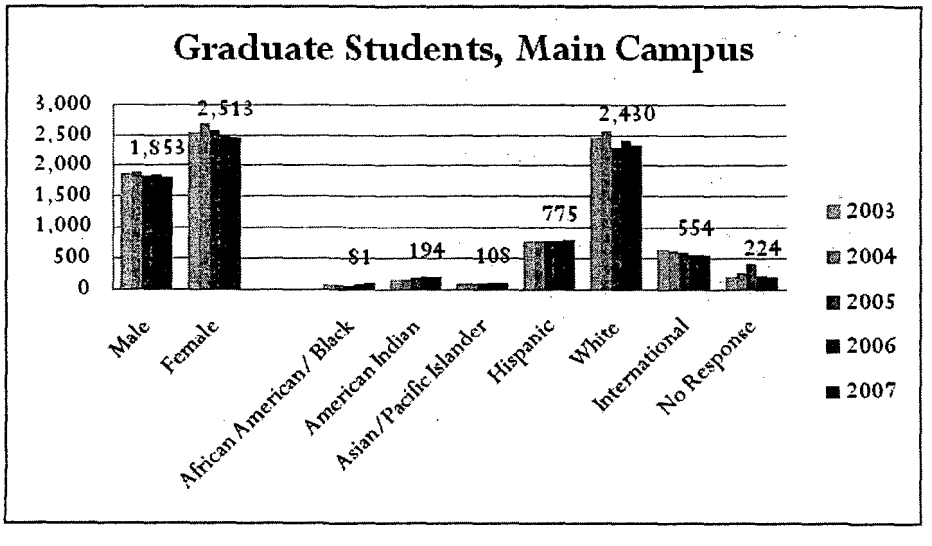


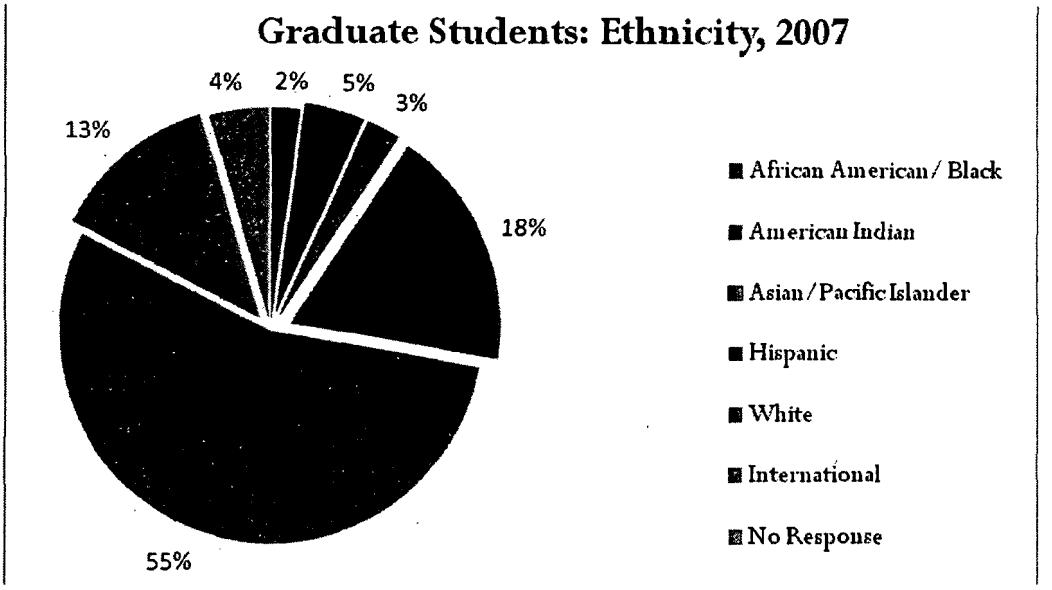
Student Enrollment in Graduate Programs

Graduate students enrolled in main campus programs such as humanities are presented in the chart below.

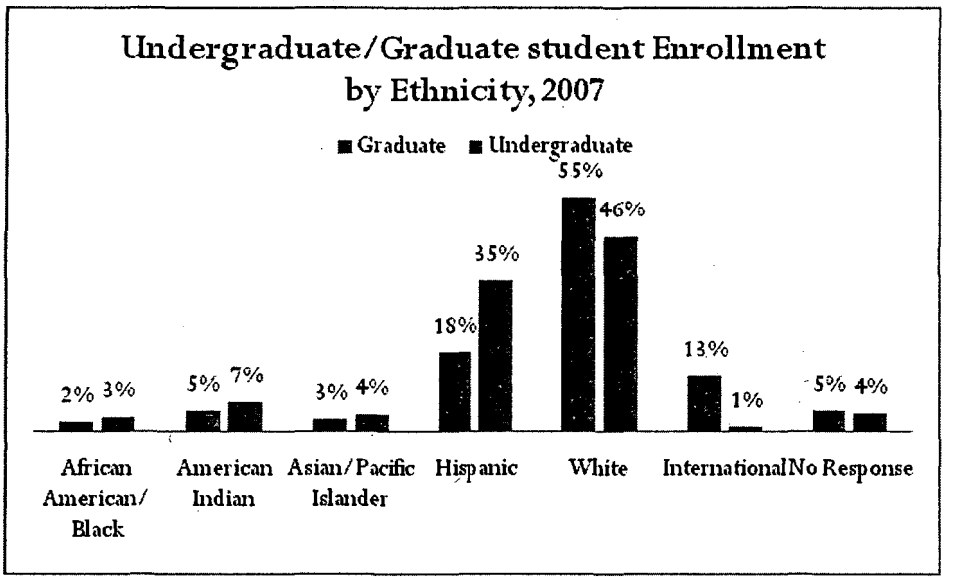
Graduate Students, Main Campus (Excluding Law, HSC)

	2003	2004	2005	2006	2007
Females	2,557	2,712	2,600	2,513	2,473
	58%	59%	59%	58%	58%
Males	1,877	1,898	1,838	1,853	1,816
	42%	41%	41%	42%	42%
African American	77	82	70	81	92
	2%	2%	2%	2%	2%
American Indian	156	169	179	194	199
	4%	4%	4%	4%	5%
Asian/Pacific Islander	101	112	101	108	110
	2%	2%	2%	2%	3%
Hispanic	770	773	776	775	787
	17%	17%	17%	18%	18%
White, non-Hispanic	2,475	2,564	2,307	2,430	2,350
	56%	56%	52%	56%	55%
International	654	639	601	554	556
	15%	14%	14%	13%	13%
No Response	201	271	404	224	195
	5%	6%	9%	5%	5%
Total	4,434	4,610	4,438	4,366	4,289





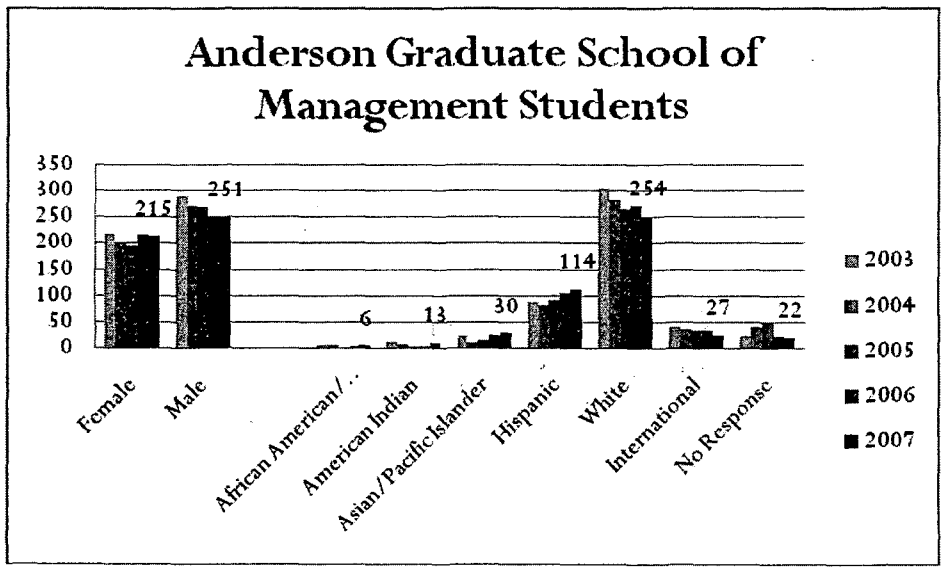
The difference between undergraduate and graduate enrollment by ethnicity is presented below. One immediately noticeable disparity is that of Hispanic students, representing 35 % of all undergraduate students and only 18% of all graduate students. Also important to note is that while there are very few international undergraduate students, they make up 13% of graduate students.



The other graduate programs include Anderson School of Management, the UNM School of Law, the Medical School and the PharmD program. The demographics of these programs are presented below.

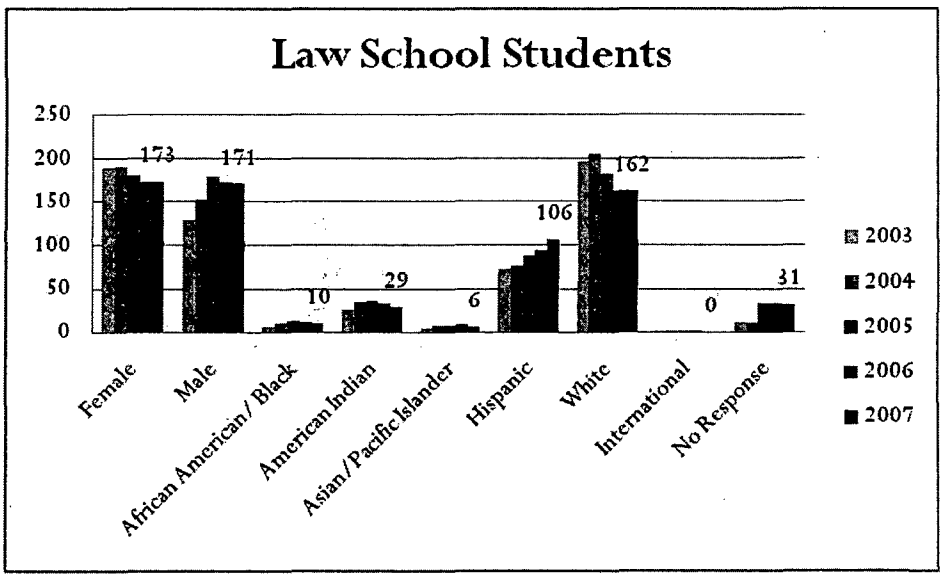
Anderson School of Management

	2003	2004	2005	2006	2007
Females	219	203	197	217	215
	43%	43%	42%	46%	46%
Males	292	271	269	252	251
	57%	57%	58%	54%	54%
African American	6	6	2	4	6
	1%	1%	0%	1%	1%
American Indian	15	9	4	5	13
	3%	2%	1%	1%	3%
Asian/Pacific Islander	26	12	17	25	30
	5%	3%	4%	5%	6%
Hispanic	89	83	93	106	114
	17%	18%	20%	23%	24%
White, non-Hispanic	306	283	265	271	254
	60%	60%	57%	58%	55%
International	43	38	36	35	27
	8%	8%	8%	7%	6%
No Response	26	43	49	23	22
	5%	9%	11%	5%	5%
Total	511	474	466	469	466



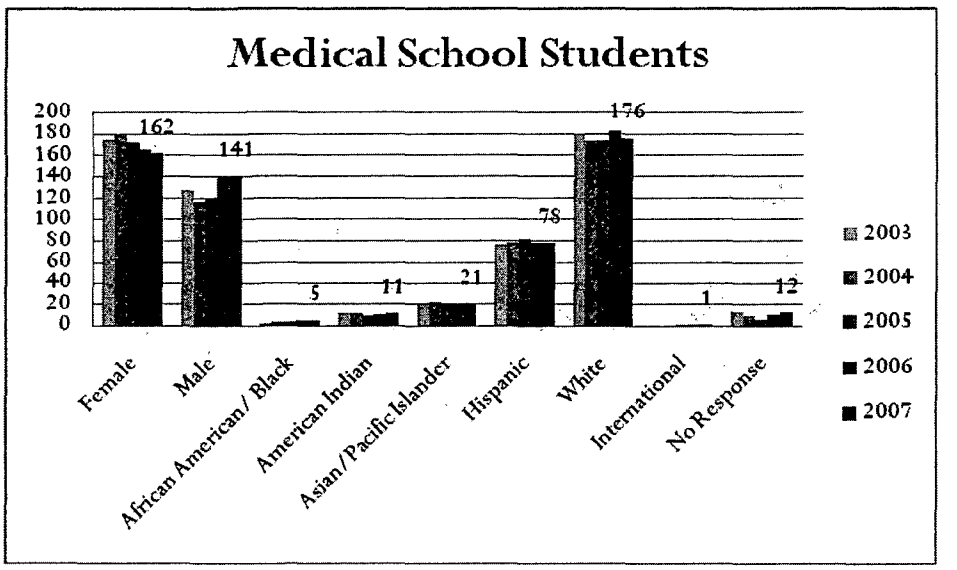
School of Law

	2003	2004	2005	2006	2007
Females	189	191	181	172	173
	59%	56%	50%	50%	50%
Males	130	153	180	172	171
	41%	44%	50%	50%	50%
African American	6	10	13	12	10
	2%	3%	4%	3%	3%
American Indian	26	34	36	33	29
	8%	10%	10%	10%	8%
Asian/Pacific Islander	4	7	7	9	6
	1%	2%	2%	3%	2%
Hispanic	72	76	88	93	106
	23%	22%	24%	27%	31%
White, non-Hispanic	197	205	183	162	162
	62%	60%	51%	47%	47%
International	2	2	1	2	0
	1%	1%	0%	1%	0%
No Response	12	10	33	33	31
	4%	3%	9%	10%	9%
Total	319	344	361	344	344



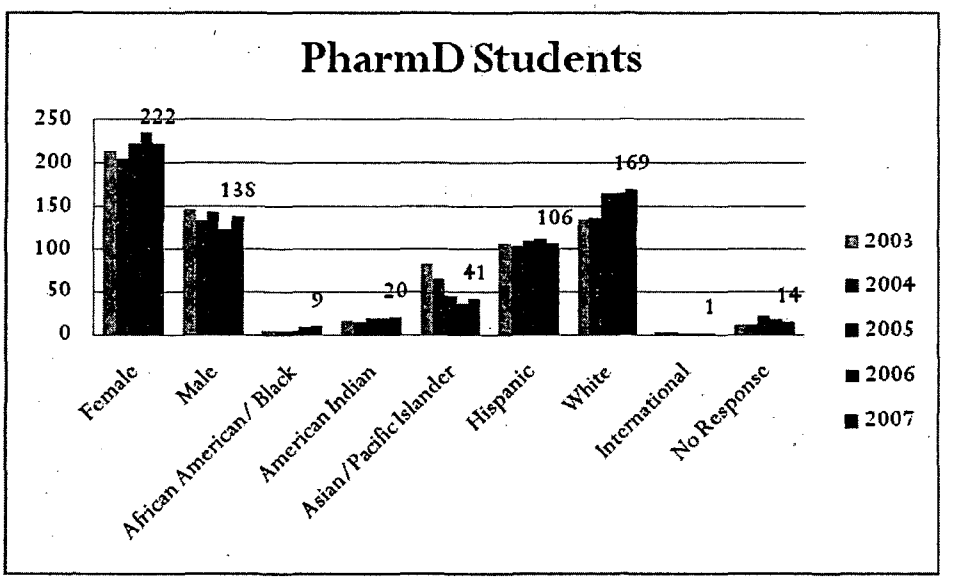
School of Medicine

	2003	2004	2005	2006	2007
Females	175	181	172	166	162
	58%	61%	59%	54%	53%
Males	128	117	120	140	141
	42%	39%	41%	46%	46%
African American	2	3	3	5	5
	1%	1%	1%	2%	2%
American Indian	11	12	9	10	11
	4%	4%	3%	3%	4%
Asian/Pacific Islander	20	22	19	19	21
	7%	7%	7%	6%	7%
Hispanic	76	78	81	78	78
	25%	26%	28%	25%	26%
White, non-Hispanic	181	174	173	183	176
	60%	58%	59%	60%	58%
International			1	1	1
			0%	0%	0%
No Response	13	9	6	10	12
	4%	3%	2%	3%	4%
Total	303	298	292	306	304



PharmD Program

	2003	2004	2005	2006	2007
Females	214	205	222	235	222
	59%	60%	61%	65%	62%
Males	146	134	143	124	138
	41%	40%	39%	35%	38%
African American	5	4	4	8	9
	1%	1%	1%	2%	3%
American Indian	16	15	19	19	20
	4%	4%	5%	5%	6%
Asian/Pacific Islander	82	64	45	36	41
	23%	19%	12%	10%	11%
Hispanic	107	104	109	112	106
	30%	31%	30%	31%	29%
White, non-Hispanic	135	137	165	165	169
	38%	40%	45%	46%	47%
International	3	3	2	2	1
	1%	1%	1%	1%	0%
No Response	12	12	21	17	14
	3%	4%	6%	5%	4%
Total	360	339	365	359	360

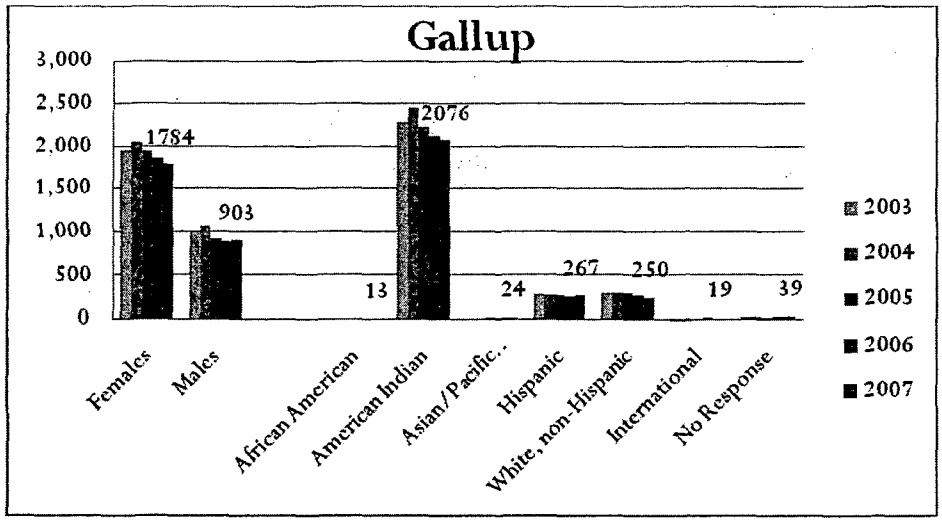


Student Enrollment at the Branch Campuses

There are four campuses located throughout New Mexico. Each campus is responsive to the unique needs and demographics of the community they serve. The campuses include Gallup, Los Alamos, Taos and Valencia.

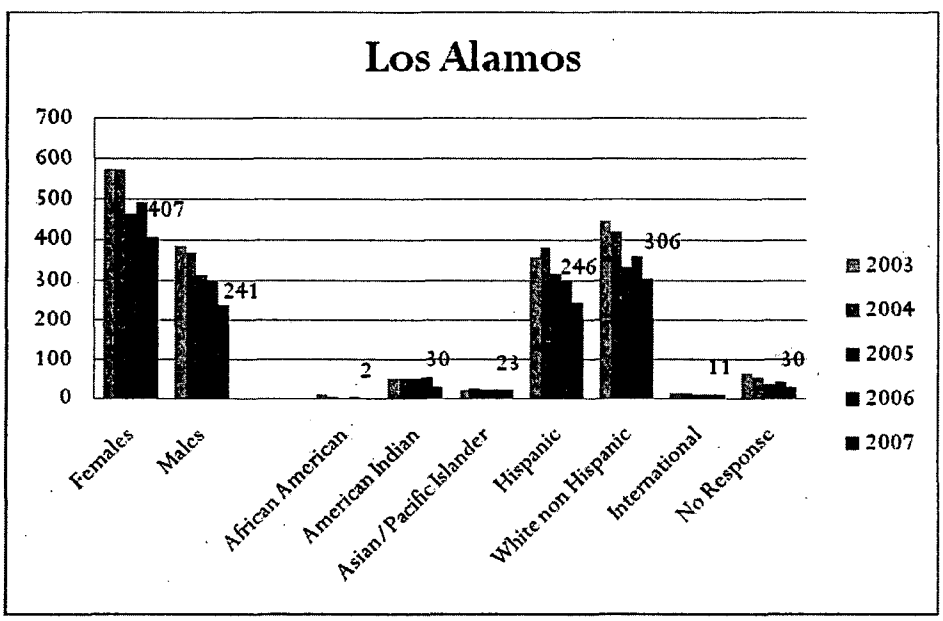
Gallup

	2003	2004	2005	2006	2007
Females	**1,960**	**2,046**	**1,948**	**1,860**	**1,784**
	66%	66%	68%	68%	66%
Males	**1,000**	**1,068**	**926**	**888**	**903**
	34%	34%	32%	32%	34%
African American	**15**	**14**	**17**	**13**	**13**
	1%	0%	1%	1%	1%
American Indian	**2,280**	**2,456**	**2,223**	**2,117**	**2,076**
	77%	79%	77%	77%	77%
Asian/Pacific Islander	**11**	**13**	**23**	**27**	**24**
	0%	0%	1%	1%	1%
Hispanic	**295**	**274**	**264**	**258**	**267**
	10%	9%	9%	9%	10%
White, non-Hispanic	**308**	**311**	**307**	**268**	**250**
	10%	10%	11%	10%	9%
International	**1**	**5**	**11**	**21**	**19**
	0%	0%	0%	1%	1%
No Response	**50**	**41**	**29**	**44**	**39**
	2%	1%	1%	2%	2%
Total	**2,960**	**3,114**	**2,874**	**2,748**	**2,687**



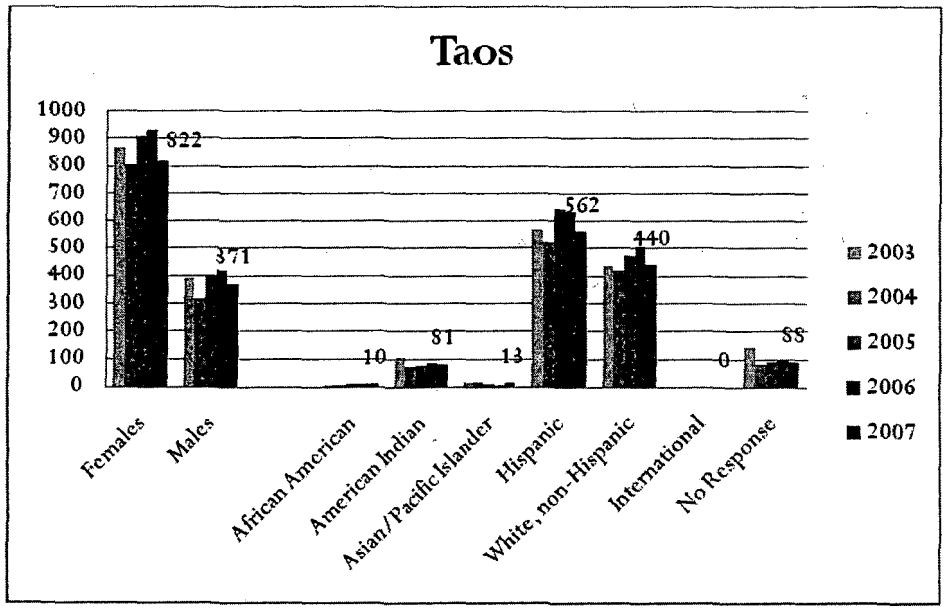
Los Alamos

	2003	2004	2005	2006	2007
Females	573	573	465	493	407
	60%	61%	60%	62%	63%
Males	386	372	315	300	241
	40%	39%	40%	38%	37%
African American	8	3	2	3	2
	1%	0%	0%	0%	0%
American Indian	49	51	53	54	30
	5%	5%	7%	7%	5%
Asian/Pacific Islander	21	25	23	22	23
	2%	3%	3%	3%	4%
Hispanic	358	380	320	302	246
	37%	40%	41%	38%	38%
White, non-Hispanic	447	420	335	362	306
	47%	44%	43%	46%	47%
International	14	12	10	10	11
	2%	1%	1%	1%	2%
No Response	62	54	37	40	30
	7%	6%	5%	5%	5%
Total	959	945	780	793	648



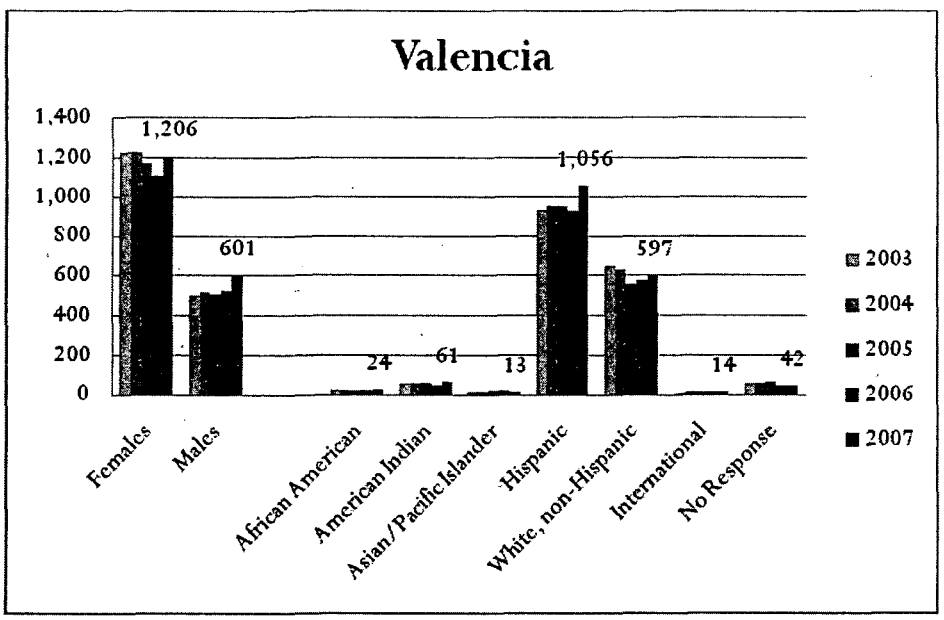
Taos

	2003	2004	2005	2006	2007
Females	867	805	909	933	822
	69%	72%	70%	69%	69%
Males	389	316	398	420	371
	31%	28%	30%	31%	31%
African American	3	6	10	9	10
	0%	0%	1%	1%	1%
American Indian	101	71	78	89	81
	8%	6%	6%	7%	7%
Asian/Pacific Islander	10	17	8	7	13
	2%	2%	1%	1%	1%
Hispanic	567	521	646	638	562
	45%	47%	49%	47%	47%
White, non-Hispanic	434	421	475	508	440
	35%	38%	36%	38%	37%
International	0	1	0	2	0
	0%	0%	0%	0%	0%
No Response	141	84	90	100	88
	11%	8%	7%	7%	7%
Total	1,256	1,121	1,307	1,353	1,193



Valencia

	2003	2004	2005	2006	2007
Females	**1,228**	**1,229**	**1,171**	**1,110**	**1,206**
	71%	70%	70%	68%	67%
Males	**500**	**516**	**503**	**526**	**601**
	29%	30%	30%	32%	33%
African American	**24**	**19**	**20**	**17**	**24**
	1%	1%	1%	1%	1%
American Indian	**55**	**57**	**58**	**45**	**61**
	3%	3%	4%	3%	3%
Asian/Pacific Islander	**13**	**14**	**17**	**20**	**13**
	1%	1%	1%	1%	1%
Hispanic	**930**	**955**	**952**	**928**	**1,056**
	54%	55%	57%	57%	58%
White, non-Hispanic	**646**	**629**	**552**	**573**	**597**
	37%	36%	33%	35%	33%
International	**5**	**13**	**15**	**10**	**14**
	0%	1%	1%	1%	1%
No Response	**55**	**58**	**60**	**43**	**42**
	3%	3%	4%	3%	2%
Total	**1,728**	**1,745**	**1,674**	**1,636**	**1,807**

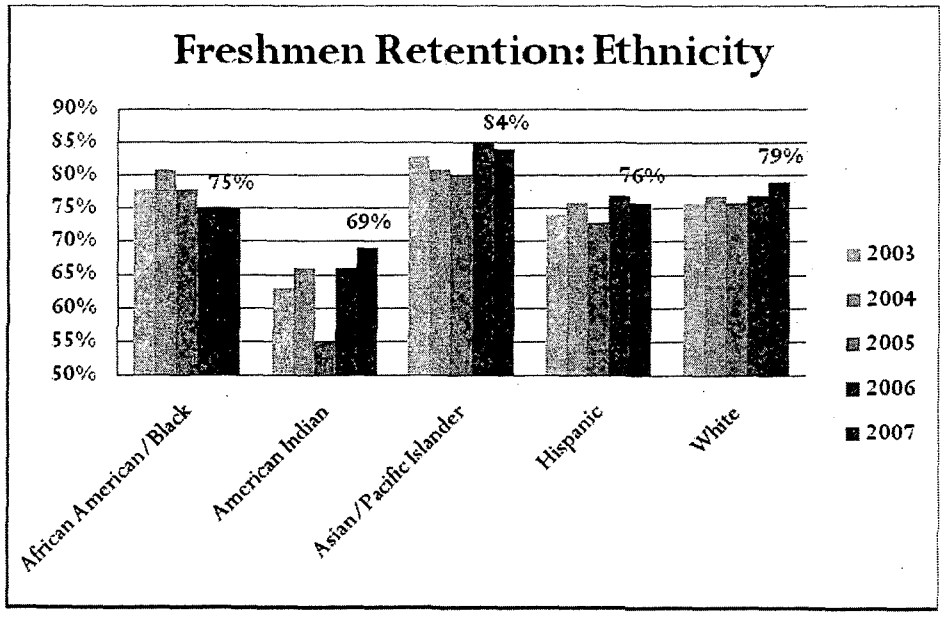


Freshmen Retention

Freshmen retention is a primary indicator of student success. High retention is reflective of the students' needs being met and their successes driving their commitment. The measurement presented below is the percentage of entering cohorts enrolled for their third semester. For example, the 2007 entering cohort retention is the percentage that enrolled for fall 2008. The total number of the cohort entering each year is presented above the retention rate of that cohort. Note that this includes full-time freshmen only.

Freshmen Retention

	2003	2004	2005	2006	2007
Females	1,663	1,720	1,721	1,620	1,639
	78%	**79%**	**76%**	**78%**	**79%**
Males	1,281	1,303	1,296	1,339	1,216
	71%	**72%**	**72%**	**75%**	**75%**
African American	91	108	81	107	93
	78%	**81%**	**78%**	**75%**	**75%**
American Indian	142	180	136	160	167
	63%	**66%**	**55%**	**66%**	**69%**
Asian/Pacific Islander	102	95	115	133	122
	83%	**81%**	**80%**	**85%**	**84%**
Hispanic	1,101	1,134	1,160	1,082	1,072
	74%	**76%**	**73%**	**77%**	**76%**
White, non-Hispanic	1,353	1,328	1,390	1,360	1,285
	76%	**77%**	**76%**	**77%**	**79%**

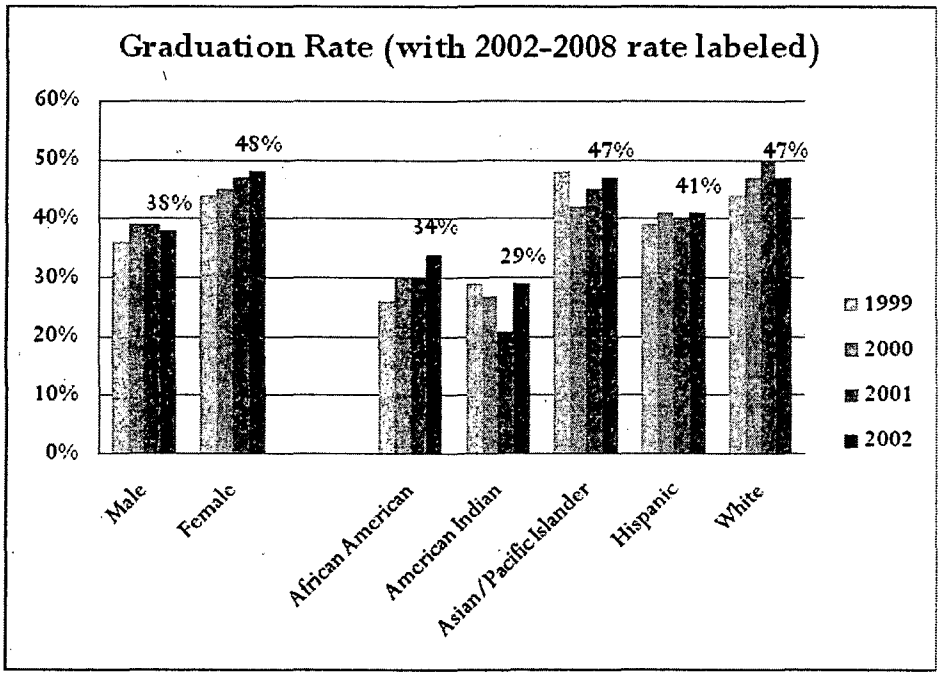


Student Graduation

Another indicator of student success is the rate of student graduation. The measurement presented below is the percentage of the cohort of freshmen entering in 1999-2002 who had graduated by the end of six years. For example, the graduation rate for the 2002 entering freshmen cohort is the percentage who had graduated[2] by spring, 2008.

Graduation Rate

	1999	2000	2001	2002
Females	44%	45%	47%	48%
Males	36%	39%	39%	38%
African American	26%	30%	30%	34%
American Indian	29%	27%	21%	29%
Asian/Pacific Islander	48%	42%	45%	47%
Hispanic	39%	41%	40%	41%
White, non-Hispanic	44%	47%	50%	47%



[2] Graduation rates include those students who entered the PharmD program.

Staff Demographics

The data presented below comes from the Affirmative Action Plan data, and represents the disparity between the demographics of each staff group. The Executive/Administrative level includes executive, administrative and managerial positions with occupational responsibilities related to management policies or the general business of the institution or a division. This staff group is 2% African American, 2% American Indian, 2% Asian/Pacific Islander, 21% Hispanic and 73% white.

The Professional group includes those who work perhaps in health care, technical, student or administrative support and who have advanced knowledge or education in their field. At the Professional level, of the 1863 staff members 33% represent minority groups.

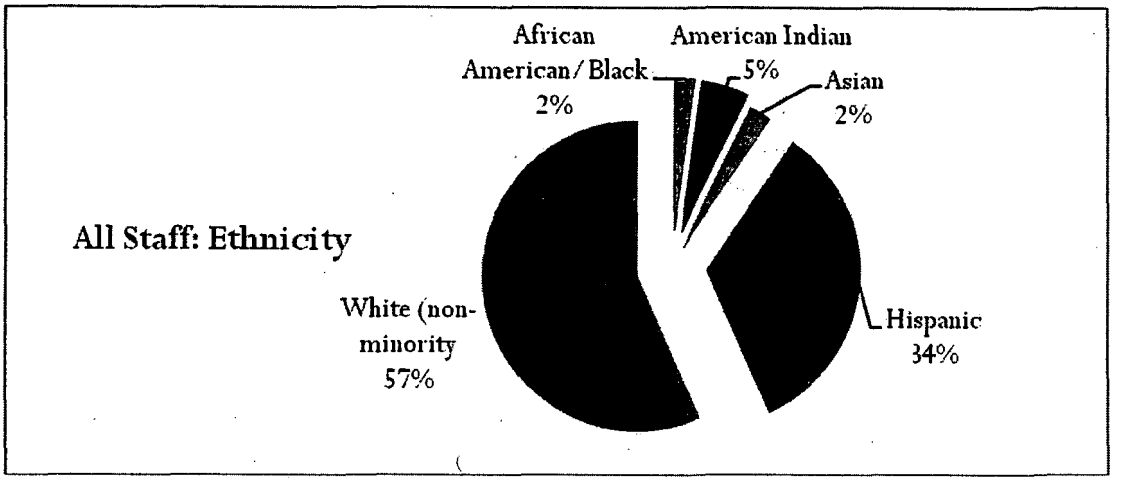
Clerical/Secretarial includes staff associated with office or administrative duties including bookkeepers, librarians, etc. Of the Clerical/Secretarial staff group, the percentage of African American, American Indian, Asian/Pacific Islander and Hispanic together increases to 44% of the group.

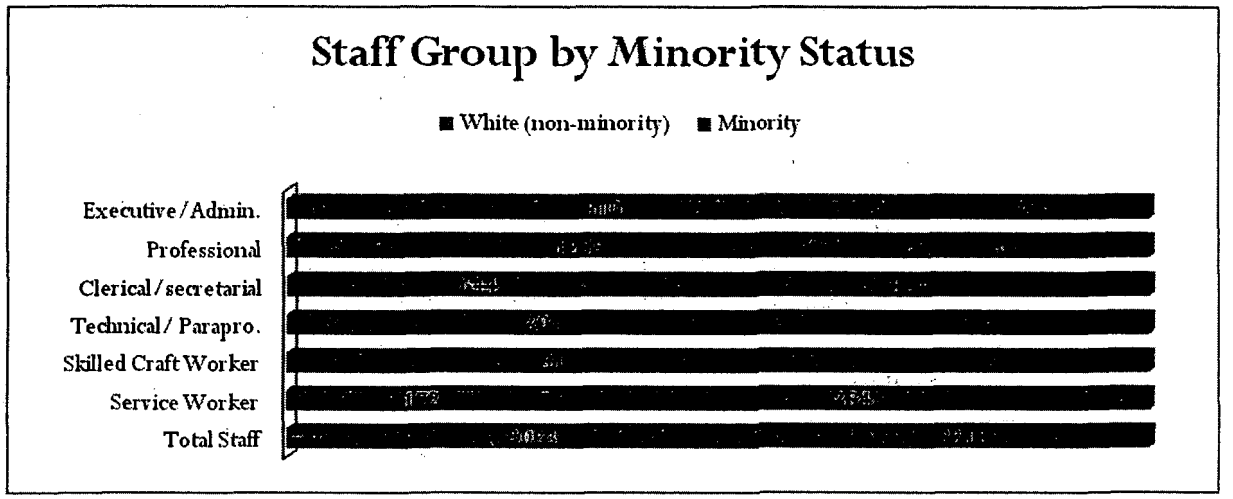
Skilled Craft Workers include those who require special manual skills and knowledge, including mechanics, electricians, etc. Of the 83 Skilled Craft Workers, only one is a woman.

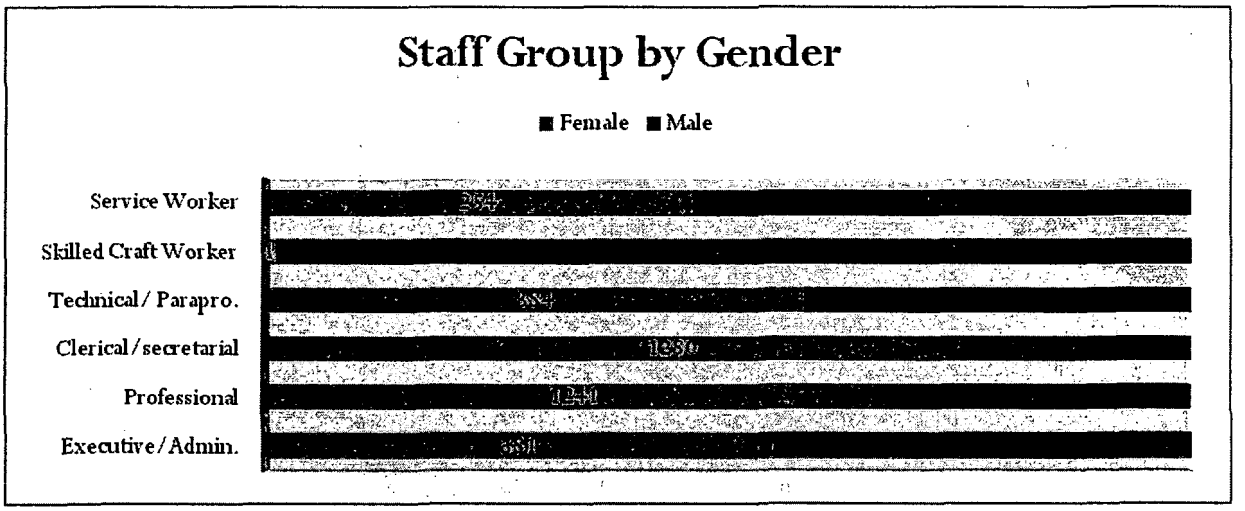
Service Workers include cafeteria workers, laborers, security, etc. Of Service Workers the majority (58%) are Hispanic. Thus, the *All Staff: Ethnicity* chart below masks difference in the ethnic makeup of the different staff group. Gender disparities by group are displayed below in *Staff Group: Gender.*

Staff by Group

	Total	Female		Male		African American		American Indian		Asian		Hispanic		White	
Executive/ Administr.	699	381	55%	318	45%	13	2%	15	2%	11	2%	150	21%	510	73%
Professional	1,863	1,241	67%	622	33%	36	2%	48	3%	73	4%	451	24%	1255	67%
Clerical/ Secretarial	1,468	1,280	87%	188	13%	44	3%	127	9%	16	1%	637	43%	644	44%
Technical/ Paraprof.	664	384	58%	280	42%	9	1%	33	5%	20	3%	211	32%	391	59%
Skilled Craft Worker	83	1	1%	82	99%	0	0%	2	2%	0	0%	30	36%	51	61%
Service Worker	556	254	46%	302	54%	11	2%	44	8%	5	1%	324	58%	172	31%
Total Staff	5,333	3,541	66%	1,792	34%	113	2%	269	5%	125	2%	1,803	34%	3,023	57%


All Staff: Ethnicity
African American/ Black 2%
American Indian 5%
Asian 2%
Hispanic 34%
White (non-minority 57%


Staff Group by Minority Status
White (non-minority)
Minority
Executive/Admin.
Professional
Clerical/secretarial
Technical/ Parapro.
Skilled Craft Worker
Service Worker
Total Staff

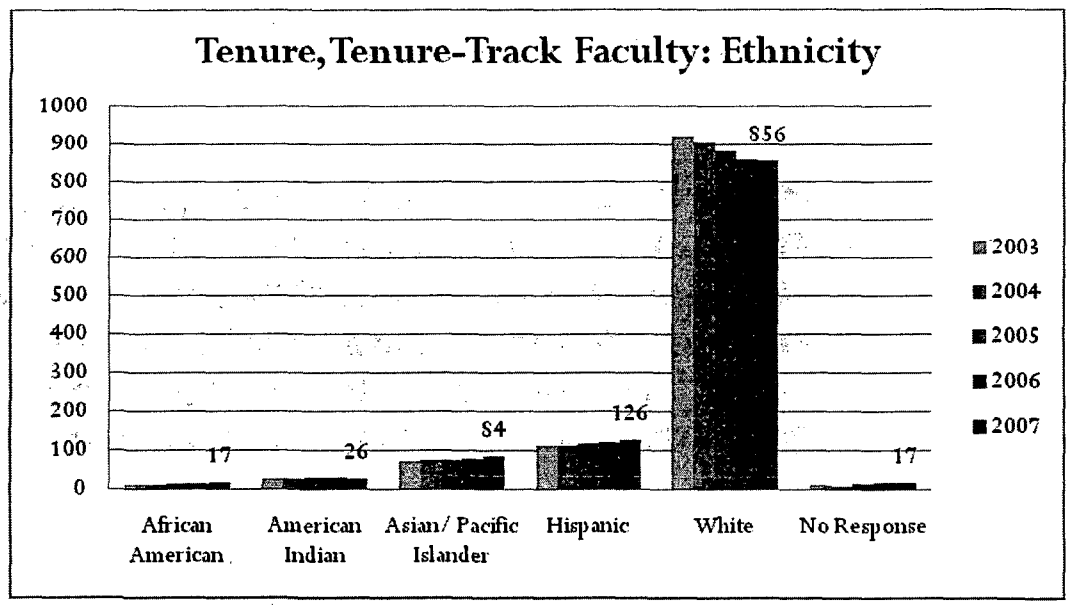

Staff Group by Gender
Female
Male
Service Worker
Skilled Craft Worker
Technical/ Parapro.
Clerical/secretarial
Professional
Executive/Admin.

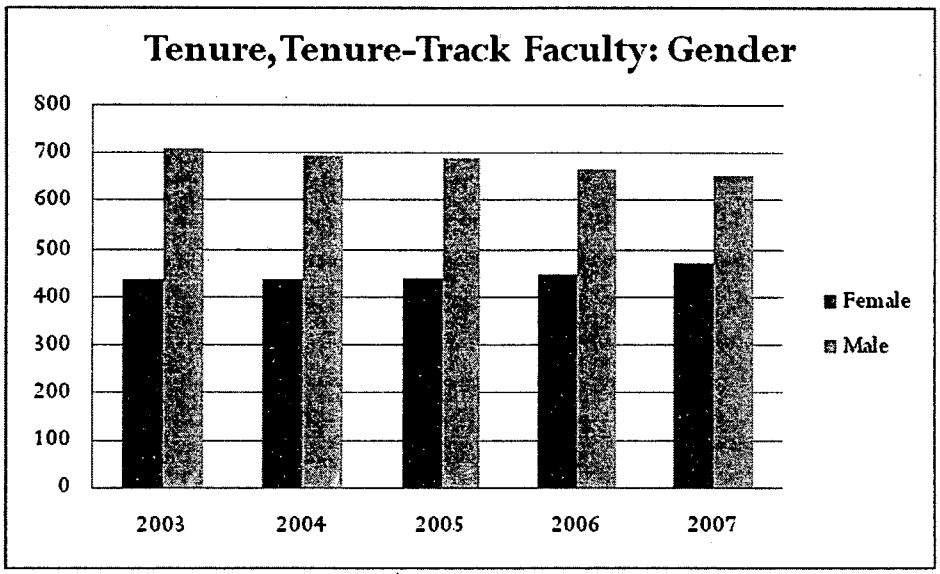
Faculty Demographics

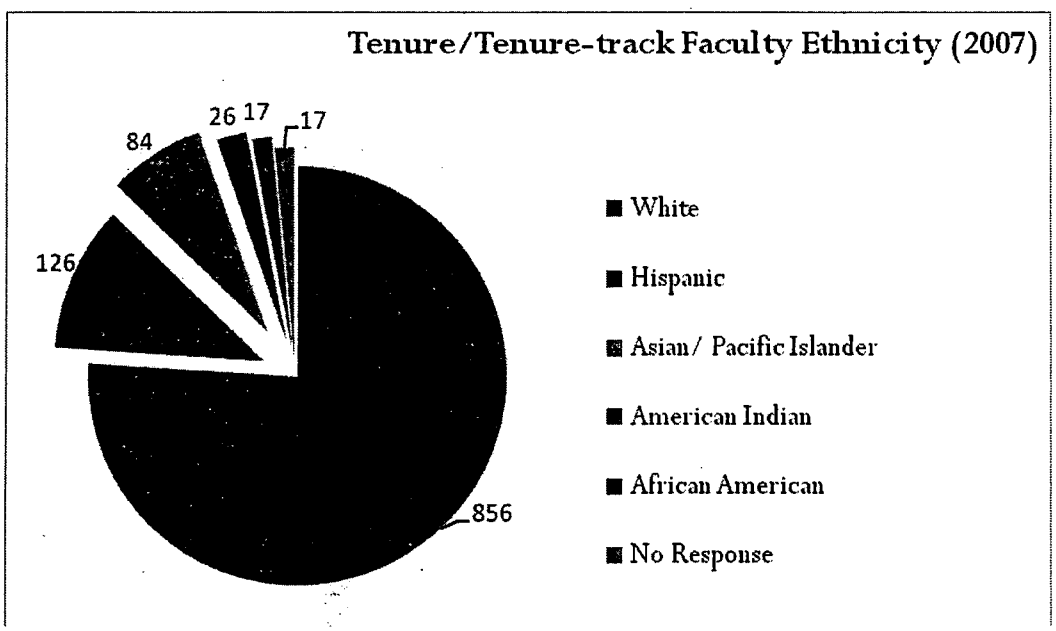
Minority faculty presence is the indicator for OEI's Goal 2; however, it is also critical to our other goals. Student success and campus climate are tied to the presence of minority faculty within the university community. Below are the data representing tenure/tenure track, non-tenure track and temporary faculty for the years 2003-2007 for all of UNM faculty. Below the total faculty data, the faculty data for each campus is presented.

Tenure, Tenure-Track Faculty Demographics

	2003	2004	2005	2006	2007
Female	437	437	440	449	473
	38%	39%	39%	40%	42%
Male	711	696	689	665	653
	62%	61%	61%	60%	58%
African American	10	9	13	12	17
	1%	1%	1%	1%	2%
American Indian	25	26	30	29	26
	2%	2%	3%	3%	2%
Asian/ Pacific Islander	71	74	76	79	84
	6%	7%	7%	7%	7%
Hispanic	111	109	116	119	126
	10%	10%	10%	11%	11%
White	922	907	882	860	856
	80%	80%	78%	77%	76%
No Response	9	8	12	15	17
	1%	1%	1%	1%	2%
Total	1,148	1,133	1,129	1,114	1,126

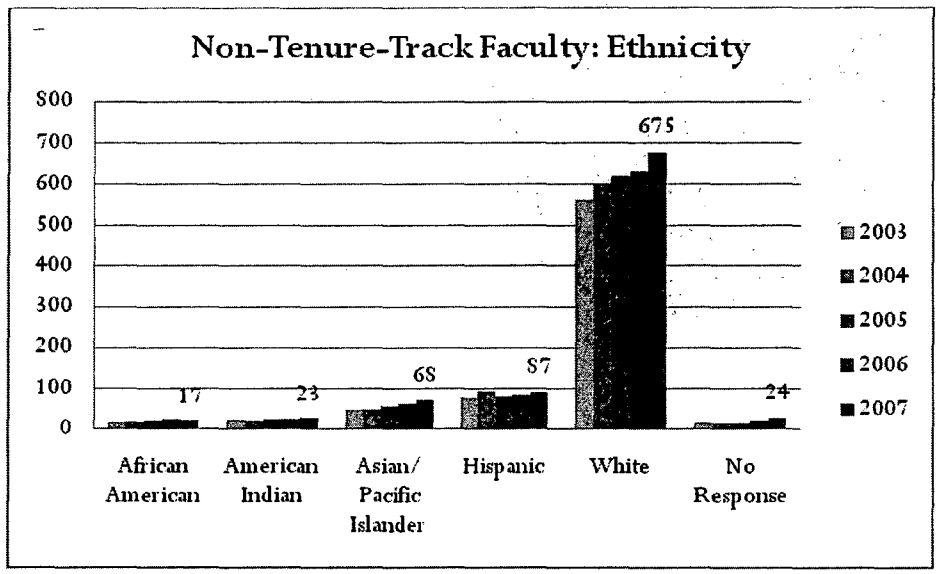


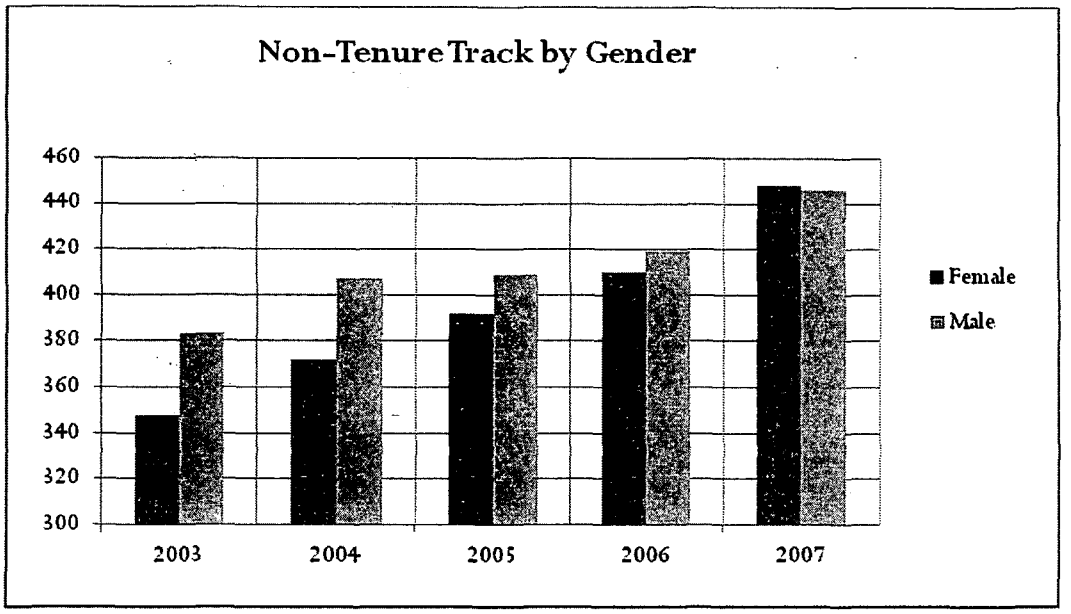

Tenure, Tenure-Track Faculty: Gender
800
700
600
500
400
300
200
100
0
2003
2004
2005
2006
2007
Female
Male


Tenure/Tenure-track Faculty Ethnicity (2007)
26
17
17
84
126
856
White
Hispanic
Asian/ Pacific Islander
American Indian
African American
No Response

Non-Tenure-Track Faculty Demographics

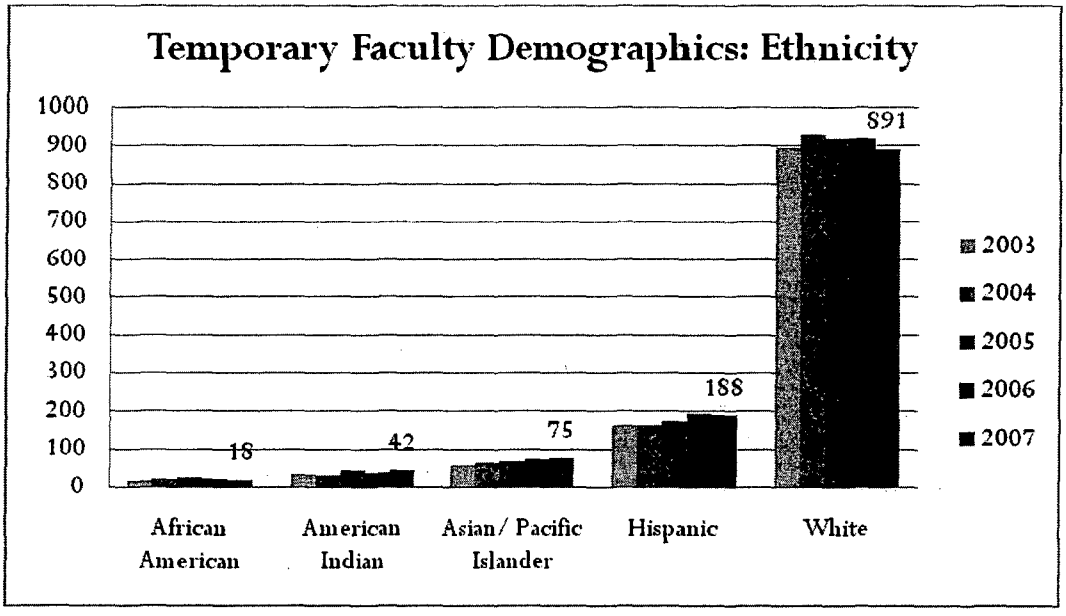
	2003	2004	2005	2006	2007
Female	348	372	392	410	448
	48%	48%	49%	49%	50%
Male	383	407	409	419	446
	52%	52%	51%	51%	50%
African American	16	14	18	21	17
	2%	2%	2%	3%	2%
American Indian	21	17	22	20	23
	3%	2%	3%	2%	3%
Asian/ Pacific Islander	44	46	53	59	68
	6%	6%	7%	7%	8%
Hispanic	74	91	77	80	87
	10%	12%	10%	10%	10%
White	562	600	620	632	675
	77%	77%	77%	76%	76%
No Response	14	11	11	17	24
	2%	1%	1%	2%	3%
Total	731	779	801	829	894

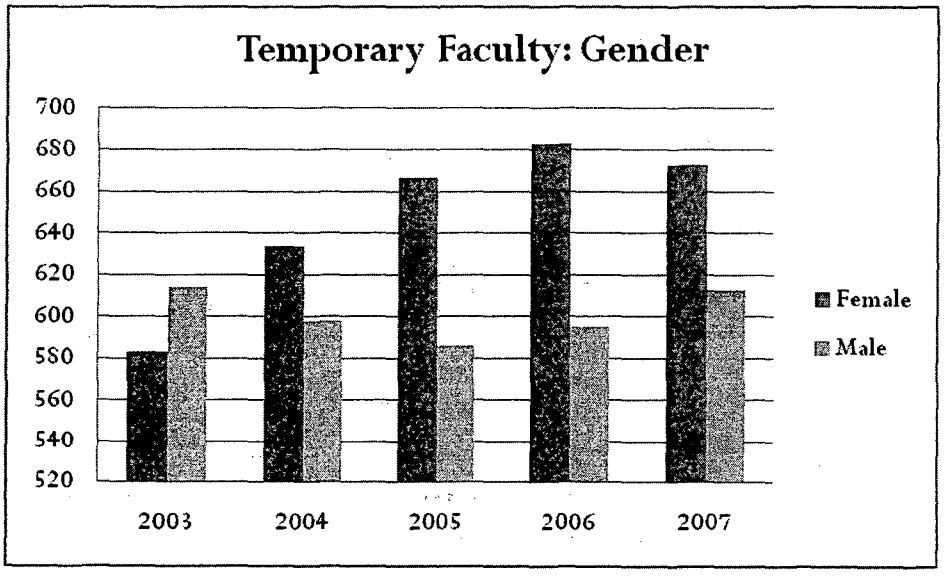




Temporary Faculty Demographics

	2003	2004	2005	2006	2007
Female	583	634	667	683	673
	49%	51%	53%	53%	52%
Male	614	598	586	595	613
	51%	49%	47%	47%	48%
African American	18	19	23	19	18
	2%	2%	2%	1%	1%
American Indian	34	31	44	38	42
	3%	3%	4%	3%	3%
Asian/ Pacific Islander	56	63	66	73	75
	5%	5%	5%	6%	6%
Hispanic	161	163	171	192	188
	13%	13%	14%	15%	15%
White	899	931	921	920	891
	75%	76%	74%	72%	69%
No Response	29	25	28	36	72
	2%	2%	2%	3%	6%
Total	1,197	1,232	1,253	1,278	1,286


Temporary Faculty Demographics: Ethnicity
1000
900
800
700
600
500
400
300
200
100
0
18
42
75
188
891
2003
2004
2005
2006
2007
African American
American Indian
Asian/ Pacific Islander
Hispanic
White


Temporary Faculty: Gender
700
680
660
640
620
600
580
560
540
520
2003
2004
2005
2006
2007
Female
Male

Faculty Demographics at Each Campus

Main campus demographics are presented first, followed by the faculty demographics for Gallup, Los Alamos, Taos, Valencia, and then for those four branch campuses combined.

Total Tenure, Tenure-Track Faculty at Main Campus

	2003	2004	2005	2006	2007
Female	320	319	324	330	359
	38%	39%	39%	41%	43%
Male	514	501	501	481	471
	62%	61%	61%	59%	57%
African American	9	8	11	9	12
	1%	1%	1%	1%	1%
American Indian	19	19	23	22	22
	2%	2%	3%	3%	3%
Asian/ Pacific Islander	49	50	50	56	61
	6%	6%	6%	7%	7%
Hispanic	87	89	95	96	100
	10%	11%	12%	12%	12%
White	664	647	636	616	621
	80%	79%	77%	76%	75%
No Response	6	7	10	12	14
	1%	1%	1%	1%	2%
Total	834	820	825	811	830

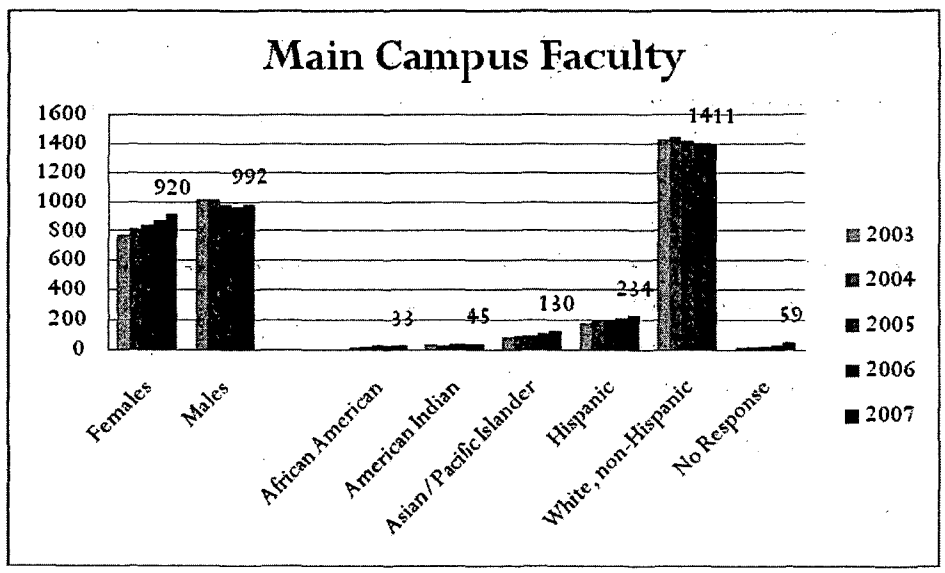
Total Non-Tenure-Track Faculty at Main Campus

	2003	2004	2005	2006	2007
Female	102	120	131	128	141
	46%	46%	48%	46%	48%
Male	121	141	143	151	152
	54%	54%	52%	54%	52%
African American	6	5	9	9	7
	3%	2%	3%	3%	2%
American Indian	8	8	9	6	8
	4%	3%	3%	2%	3%
Asian/ Pacific Islander	8	10	11	13	20
	4%	4%	4%	5%	7%
Hispanic	28	37	27	31	30
	13%	14%	10%	11%	10%

White	169	197	214	215	222
	76%	75%	78%	77%	76%
No Response	4	4	4	5	6
	2%	2%	1%	2%	2%
Total	223	261	274	279	293

Total Temporary Faculty at Main Campus

	2003	2004	2005	2006	2007
Female	356	379	390	418	420
	48%	50%	53%	55%	53%
Male	384	377	343	341	369
	52%	50%	47%	45%	47%
African American	11	10	14	13	14
	1%	1%	2%	2%	2%
American Indian	12	10	12	11	15
	2%	1%	2%	1%	2%
Asian/ Pacific Islander	35	41	41	51	49
	5%	5%	6%	7%	6%
Hispanic	73	79	75	88	104
	10%	10%	10%	12%	13%
White	596	606	576	579	568
	81%	80%	79%	76%	72%
No Response	13	10	15	17	39
	2%	1%	2%	2%	5%
Total	740	756	733	759	789



At each branch campus, faculty demographics are different; however the majority of faculty members at each campus is white.

Gallup: Total Tenure-Track Faculty

	2003	2004	2005	2006	2007
Female	25	25	22	24	21
	56%	54%	54%	59%	58%
Male	20	21	19	17	15
	44%	46%	46%	41%	42%
African American					1
					3%
American Indian	5	5	4	4	2
	11%	11%	10%	10%	6%
Asian/ Pacific Islander	2	2	3	3	2
	4%	4%	7%	7%	6%
Hispanic	4	3	2	2	1
	9%	7%	5%	5%	3%
White	32	36	32	31	29
	71%	78%	78%	76%	81%
No Response	2			1	1
	4%			2%	3%
Total	45	46	41	41	36

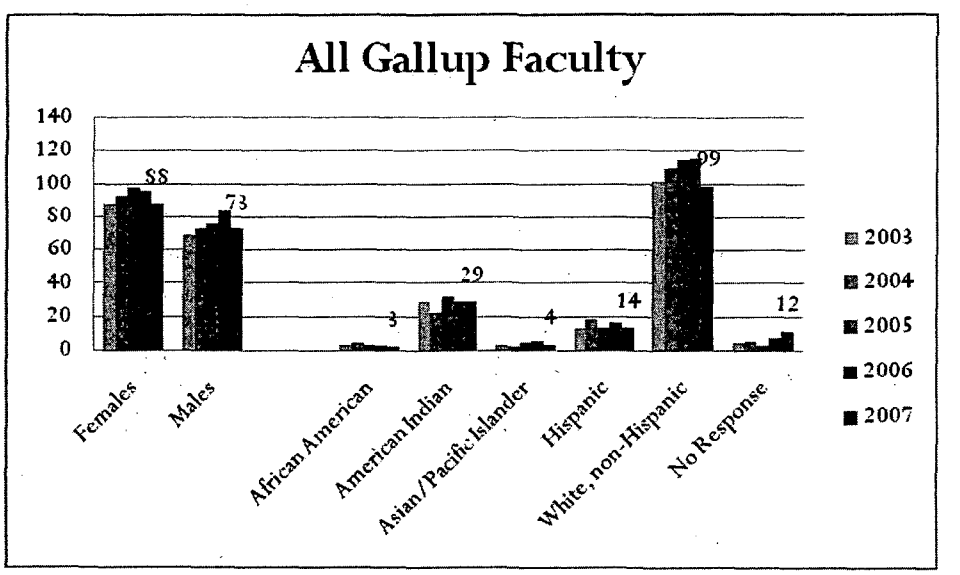
Gallup: Total Non Tenure-Track Faculty

	2003	2004	2005	2006	2007
Female	16	14	14	16	19
	57%	52%	50%	55%	40%
Male	12	13	14	13	17
	43%	48%	50%	45%	47%
African American				1	
				3%	
American Indian	6	3	4	4	7
	21%	11%	14%	14%	19%
Asian/ Pacific Islander					1
					3%
Hispanic	1	4	2	2	4
	4%	15%	7%	7%	11%
White	21	20	22	21	22

	75%	74%	79%	72%	61%
No Response				1	2
				3%	6%
Total	28	27	28	29	36

Gallup: Total Temporary Faculty

	2003	2004	2005	2006	2007
Female	47	54	62	56	48
	55%	58%	59%	51%	54%
Male	38	39	43	54	41
	45%	42%	41%	49%	46%
African American	4	5	4	3	2
	5%	5%	4%	3%	2%
American Indian	18	15	24	21	20
	21%	16%	23%	19%	22%
Asian/ Pacific Islander	2	1	2	3	1
	2%	1%	2%	3%	1%
Hispanic	9	12	10	13	9
	11%	13%	10%	12%	10%
White	49	54	61	64	48
	58%	58%	58%	58%	54%
No Response	3	6	4	6	9
	4%	6%	4%	5%	10%
Total	85	93	105	110	89



Los Alamos: Total Tenure-Track Faculty

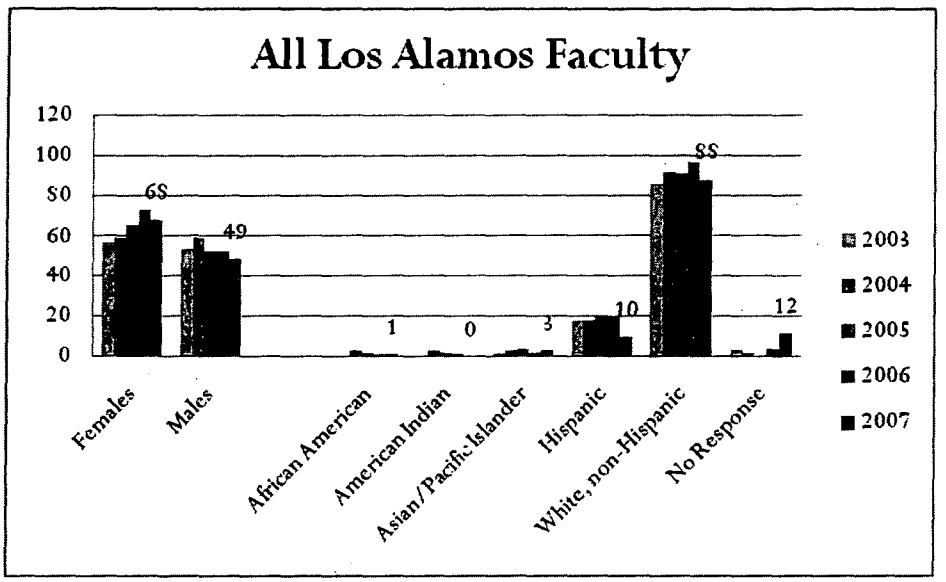
	2003	2004	2005	2006	2007
Male					1
					100%
African American					1
					100%
Total					1

Los Alamos: Total Non Tenure-Track Faculty

	2003	2004	2005	2006	2007
Female	11	11	11	10	10
	58%	58%	61%	63%	77%
Male	8	8	7	6	3
	42%	42%	39%	38%	23%
Hispanic	3	3	3	3	1
	16%	16%	17%	19%	8%
White	16	16	15	13	12
	84%	84%	83%	81%	92%
Total	19	19	18	16	13

Los Alamos: Total Temporary Faculty

	2003	2004	2005	2006	2007
Female	46	49	55	63	58
	50%	49%	54%	57%	56%
Male	46	52	46	47	45
	50%	51%	46%	43%	44%
African American		3	2	1	
		3%	2%	1%	
American Indian	1	2	2	2	3
	1%	2%	2%	2%	3%
Asian/ Pacific Islander	2	3	4	2	3
	2%	3%	4%	2%	3%
Hispanic	15	15	17	17	9
	16%	15%	17%	15%	9%
White	70	76	76	84	76
	76%	75%	75%	76%	74%
No Response	4	2		4	12
	4%	2%		4%	12%
Total	92	101	101	110	103


All Los Alamos Faculty
120
100
80
60
40
20
0
68
49
1
0
3
10
88
12
Females
Males
African American
American Indian
Asian/Pacific Islander
Hispanic
White, non-Hispanic
No Response
2003
2004
2005
2006
2007

Taos: Total Tenure-Track Faculty

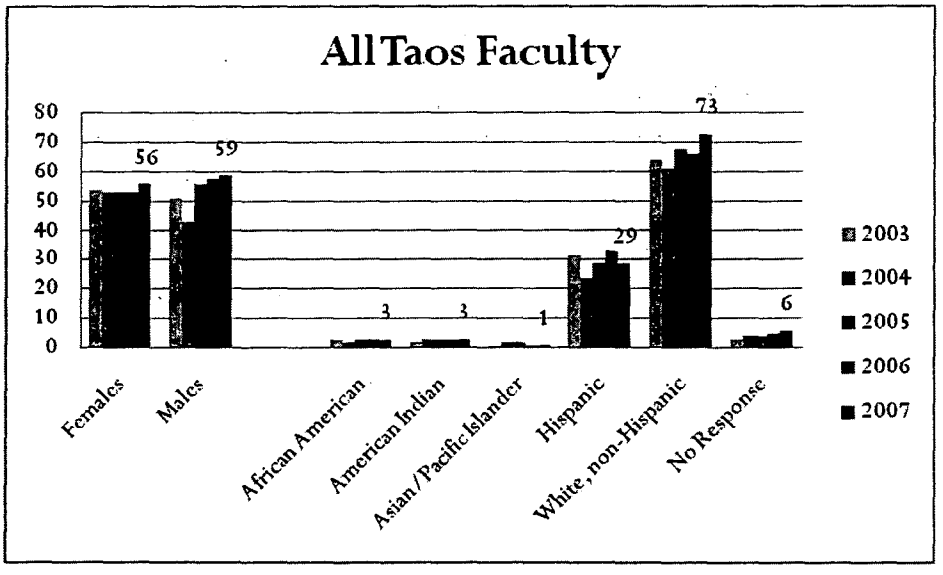
	2003	2004	2005	2006	2007
Female				3	3
				33%	33%
Male		1	1	6	6
		100%	100%	67%	67%
African American				1	1
				11%	11%
American Indian					
Asian/ Pacific Islander					
Hispanic				2	2
				22%	22%
White		1	1	5	5
		100%	100%	56%	56%
No Response				1	1
				11%	11%
Total	0	1	1	9	9

Taos: Total Non Tenure-Track Faculty

	2003	2004	2005	2006	2007
Female	5	5	4		
	56%	50%	44%		
Male	4	5	5	1	1
	44%	50%	56%	100%	100%
African American	1	1	1		
	11%	10%	11%		
American Indian					
Asian/ Pacific Islander					
Hispanic	3	3	3	1	1
	33%	30%	33%	100%	100%
White	5	5	4		
	56%	50%	44%		
No Response		1	1		
		10%	11%		
Total	9	10	9	1	1

Taos: Total Temporary Faculty

	2003	2004	2005	2006	2007
Female	49	48	49	50	53
	51%	56%	49%	50%	50%
Male	47	37	50	51	52
	49%	44%	51%	50%	50%
African American	2	1	2	2	2
	2%	1%	2%	2%	2%
American Indian	2	3	3	3	3
	2%	4%	3%	3%	3%
Asian/ Pacific Islander	1	2	2	1	1
	1%	2%	2%	1%	1%
Hispanic	29	21	26	30	26
	30%	25%	26%	30%	25%
White	59	55	63	61	68
	61%	65%	64%	60%	65%
No Response	3	3	3	4	5
	3%	4%	3%	4%	5%
Total	96	85	99	101	105



Valencia: Total Tenure-Track Faculty

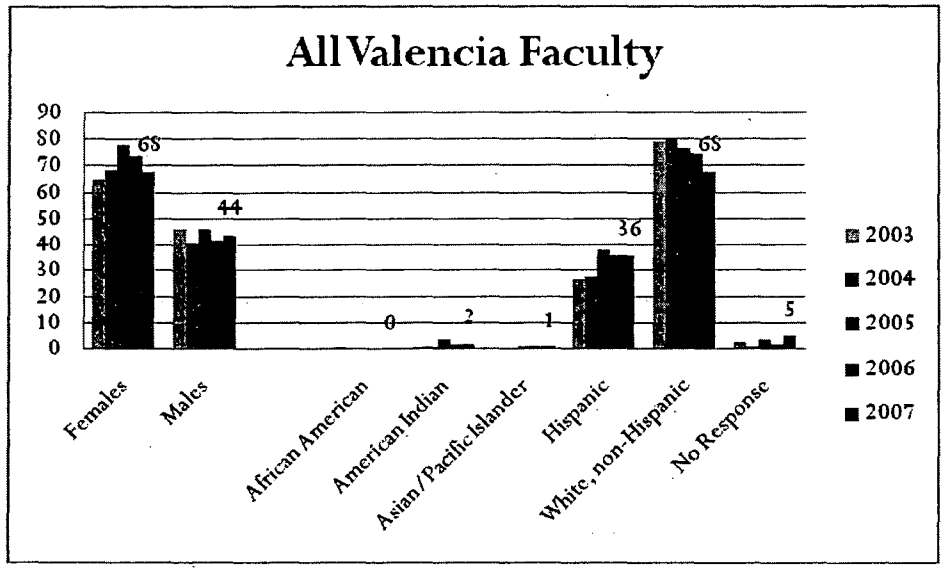
	2003	2004	2005	2006	2007
Female	9	9	9	10	9
	60%	60%	64%	63%	53%
Male	6	6	5	6	8
	40%	40%	36%	38%	47%
African American					
American Indian			1	1	1
			7%	6%	6%
Asian/ Pacific Islander					
Hispanic	2	2	3	3	4
	15%	15%	30%	25%	33%
White	13	13	10	12	12
	87%	87%	71%	75%	71%
No Response					
Total	15	15	14	16	17

Valencia: Total Non Tenure-Track Faculty

	2003	2004	2005	2006	2007
Female	8	6	9	7	10
	62%	60%	69%	58%	63%
Male	5	4	4	5	6
	38%	40%	31%	42%	38%
African American					
American Indian					
Asian/ Pacific Islander					
Hispanic	2	2	3	4	5
	15%	20%	23%	33%	31%
White	11	8	10	8	10
	85%	80%	77%	67%	63%
No Response					1
					6%
Total	13	10	13	12	16

Valencia: Total Temporary Faculty

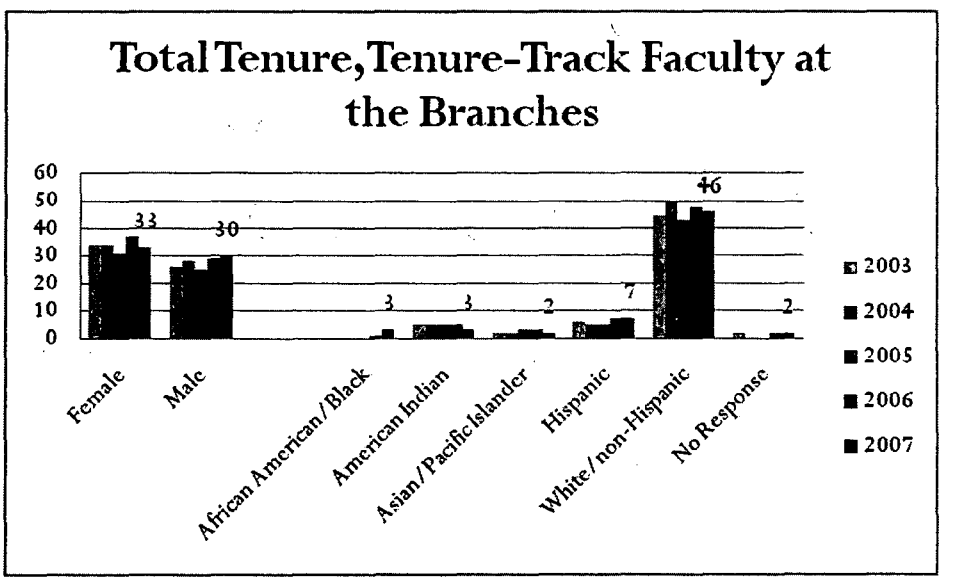
	2003	2004	2005	2006	2007
Female	48	54	60	57	49
	58%	64%	62%	65%	62%
Male	35	31	37	31	30
	42%	36%	38%	35%	38%
African American	1				
	1%				
American Indian	1	1	3	1	1
	1%	1%	3%	1%	1%
Asian/ Pacific Islander			1	1	1
			1%	1%	1%
Hispanic	23	24	32	29	27
	28%	28%	33%	33%	34%
White	55	59	57	55	46
	66%	69%	59%	63%	58%
No Response	3	1	4	2	4
	4%	1%	4%	2%	5%
Total	83	85	97	88	79



The branch campuses taken together have a more diverse faculty than Main Campus alone. Below are the demographics of the branch faculty taken together.

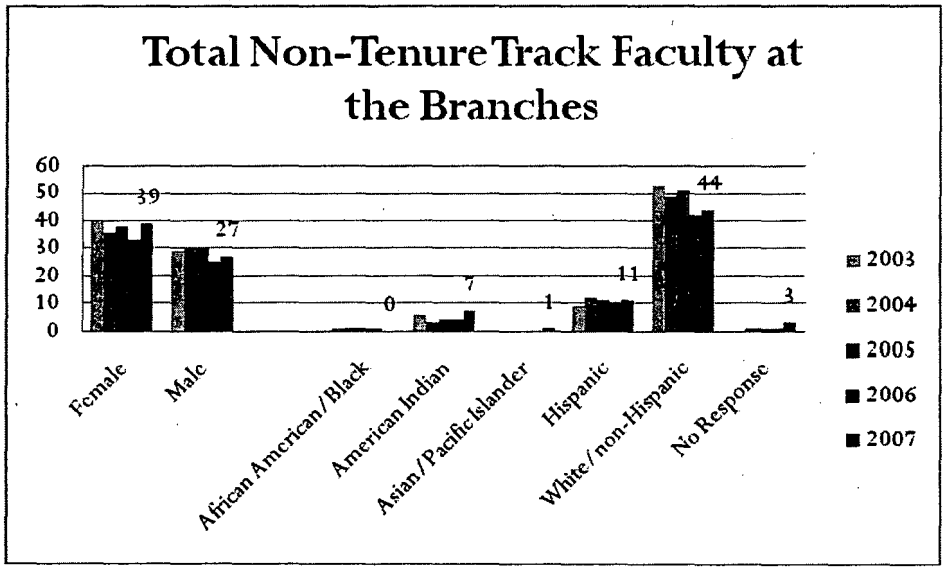
Total Tenure, Tenure-Track Faculty at the Branches

	2003	2004	2005	2006	2007
Female	34	34	31	37	33
	57%	55%	55%	56%	52%
Male	26	28	25	29	30
	43%	45%	45%	44%	48%
African American				1	3
				2%	5%
American Indian	5	5	5	5	3
	8%	8%	9%	8%	5%
Asian/ Pacific Islander	2	2	3	3	2
	3%	3%	5%	5%	3%
Hispanic	6	5	5	7	7
	10%	8%	9%	11%	11%
White	45	50	43	48	46
	75%	81%	77%	73%	73%
No Response	2			2	2
	3%			3%	3%
Total	60	62	56	66	63



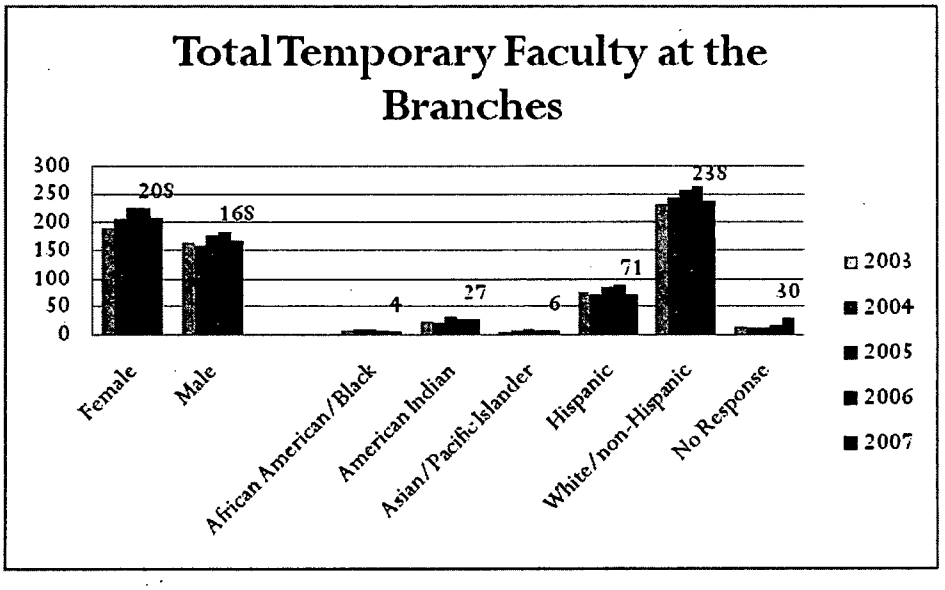
Total Non-Tenure-Track Faculty at the Branches

	2003	2004	2005	2006	2007
Female	40	36	38	33	39
	58%	55%	56%	57%	59%
Male	29	30	30	25	27
	42%	45%	44%	43%	41%
African American	1	1	1	1	
	1%	2%	1%	2%	
American Indian	6	3	4	4	7
	9%	5%	6%	7%	11%
Asian/ Pacific Islander					1
					2%
Hispanic	9	12	11	10	11
	13%	18%	16%	17%	17%
White	53	49	51	42	44
	77%	74%	75%	72%	67%
No Response		1	1	1	3
		2%	1%	2%	5%
Total	69	66	68	58	66



Total Temporary Faculty at the Branches

	2003	2004	2005	2006	2007
Female	190	205	226	226	208
	53%	56%	56%	55%	55%
Male	166	159	176	183	168
	47%	44%	44%	45%	45%
African American	7	9	8	6	4
	2%	2%	2%	1%	1%
American Indian	22	21	32	27	27
	6%	6%	8%	7%	7%
Asian/ Pacific Islander	5	6	9	7	6
	1%	2%	2%	2%	2%
Hispanic	76	72	85	89	71
	21%	20%	21%	22%	19%
White	233	244	257	264	238
	65%	67%	64%	65%	63%
No Response	13	12	11	16	30
	4%	3%	3%	4%	8%
Total	356	364	402	409	376



Summary

Females continue to outnumber males in both undergraduate and graduate programs. Females also seem to be attending in higher numbers at all of the branch campuses. In addition, all ethnic groups have increased between 2003 and 2007 but the number of White, non-Hispanics has decreased since 2005. UNM-main campus, UNM-Gallup, UNM-Taos, and UNM-Valencia continue to have a minority-majority student population.

Third semester retention rates for all groups are between 69% and 84%, however, graduation rates fall-off considerably and are between 29% and 47%. American Indian students demonstrate the lowest graduation rate. These figures indicate that greater retention efforts need to be made between the second year and graduation.

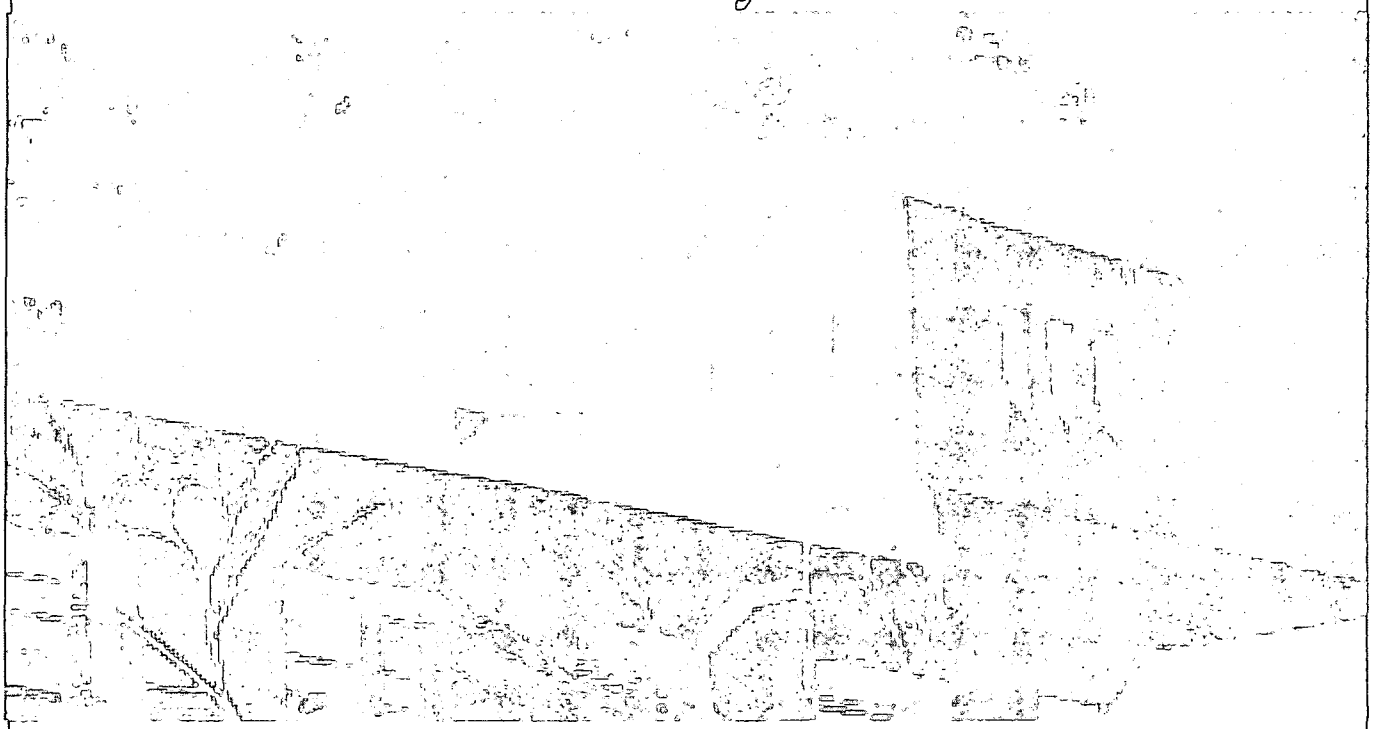
Staff demographic data indicate that White, non-Hispanics are representative across all staff positions with the highest percentage apparent in Executive/Administrative positions and the lowest percentage in Service Worker roles. Hispanics are the next largest ethnic group represented across professions. A small percentage of Hispanics hold Executive/Administrative positions and the highest percentage are in service worker jobs. They are represented almost equally across Professional, Clerical/Secretarial, Technical/Paraprofessional and Skilled Craft Worker positions. The University hires small numbers African-Americans, American Indians and Asians in staff positions.

Seventy-three percent of UNM's faculty are White, non-Hispanic. Fifty-eight percent of the total tenure-track faculty are male and 42% are female. African-American and American Indian tenure-track faculty are represented at 2%, Asian/Pacific Islanders at 7% and Hispanics make up 11% of the faculty numbers. When non-tenure-track data are examined, male and female representation is equal. The percentages across ethnic/racial groups are fairly consistent with those of tenure-track faculty.

The data analyzed in this report indicates that the goals of the Three-year Diversity Plan are extremely important in improving our progress to diversify our faculty and staff as well as improve the success of all of our students, especially those from underrepresented groups.

Office for Equity & Inclusion

2008 - 2009 Diversity Report Card: A report on the demographics of the students, faculty and staff of the University of New Mexico



University of New Mexico

UNM | *Office for Equity & Inclusion*

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Introduction

The Office for Equity and Inclusion (OEI) is responsible for tracking the University of New Mexico's progress on several diversity measures. These include student enrollment numbers and percentages of undergraduate and graduate students enrolled from all ethnic/racial groups and gender. Since student retention efforts are clearly at the top of the University's priorities, student second-year retention and graduation rates are also reported. Several measures that address the ethnic/racial representation of faculty and staff are addressed in the second half of the report.

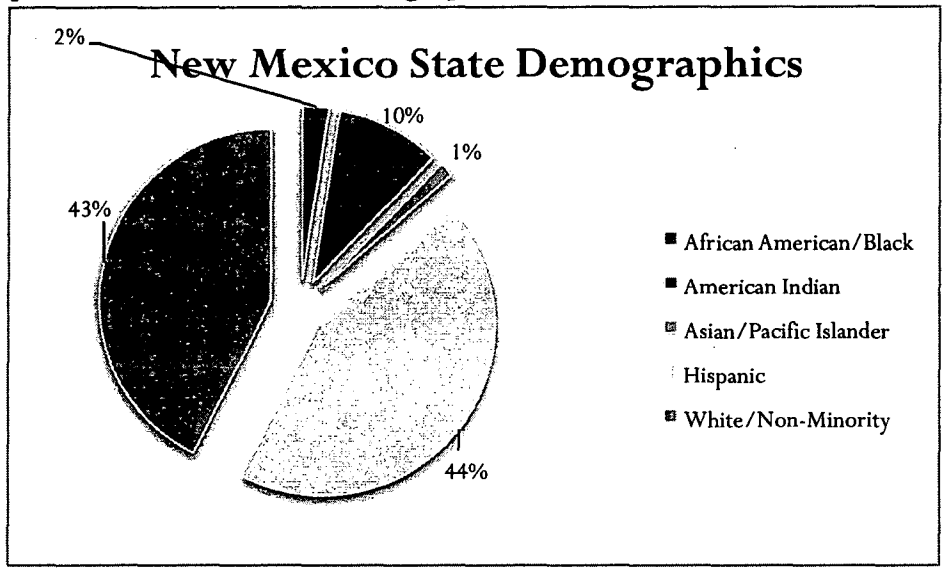
The Office for Equity and Inclusion compiled baseline data for the Diversity Report Card (DRC) in 2007. The 2008-2009 Diversity Report Card is the first published report card for the University of New Mexico. The DRC analyzes and reports representational diversity at the institution over the course of the last five years, 2004-2008. It was important to examine representational diversity data to create an institutional snapshot of the students we serve and the faculty and staff composition. The upcoming 2009-2010 Diversity Report Card will transition into an Equity Scorecard that will enable the Institution to monitor its progress in meeting its diversity goals.

Student Enrollment

Before reviewing the student enrollment demographics at the University of New Mexico (UNM), it is helpful to note the overall demographics of the state of New Mexico. New Mexico is a "minority majority" state as you can see in the chart below. Also important to note is the large percentage of the population that is American Indian compared to the national average of 1%. It is this diverse and unique state – New Mexico – that UNM seeks both to serve and to represent.

Student enrollment is a snapshot of the university demographics as a whole. The university community is quite diverse, but it does not reflect the demographics of the state of New Mexico – a minority majority state. Following the University-wide statistics are the enrollment statistics for the branches: Gallup, Los Alamos, Taos and Valencia.

Graph 1. New Mexico State Demographics



[1]

[1] From the 2006 U. S. Census estimates, available at http://quickfacts.census.gov/qfd/states/35000.html

Table 1. Total Fall Enrollment

Total Fall Enrollment (Main, HSC, Branches, and Extended University; Full and Part Time)

	2004	2005	2006	2007	2008
Female	**19,909**	**19,753**	**19,219**	**18,924**	**19,098**
	60%	60%	59%	59%	58%
Male	**13,355**	**13,162**	**13,128**	**13,162**	**13,634**
	40%	40%	41%	41%	42%
African American/ Black	**703**	**732**	**755**	**799**	**823**
	2%	2%	2%	2%	3%
American Indian	**4,163**	**3,938**	**3,830**	**3,791**	**4,036**
	13%	12%	12%	12%	12%
Asian/Pacific Islander	**946**	**958**	**999**	**1,046**	**1,068**
	3%	3%	3%	3%	3%
Hispanic	**9,977**	**10,055**	**9,998**	**10,154**	**10,544**
	30%	31%	31%	32%	32%
White	**14,636**	**14,315**	**14,345**	**14,050**	**14,074**
	44%	43%	44%	44%	43%
International	**936**	**903**	**890**	**927**	**971**
	3%	3%	3%	3%	3%
No Response	**1,903**	**2,014**	**1,530**	**1,319**	**1,216**
	6%	6%	5%	4%	4%
Total	**33,264**	**32,915**	**32,347**	**32,086**	**32,732**

Graph 2. University-Wide Total Fall Enrollment

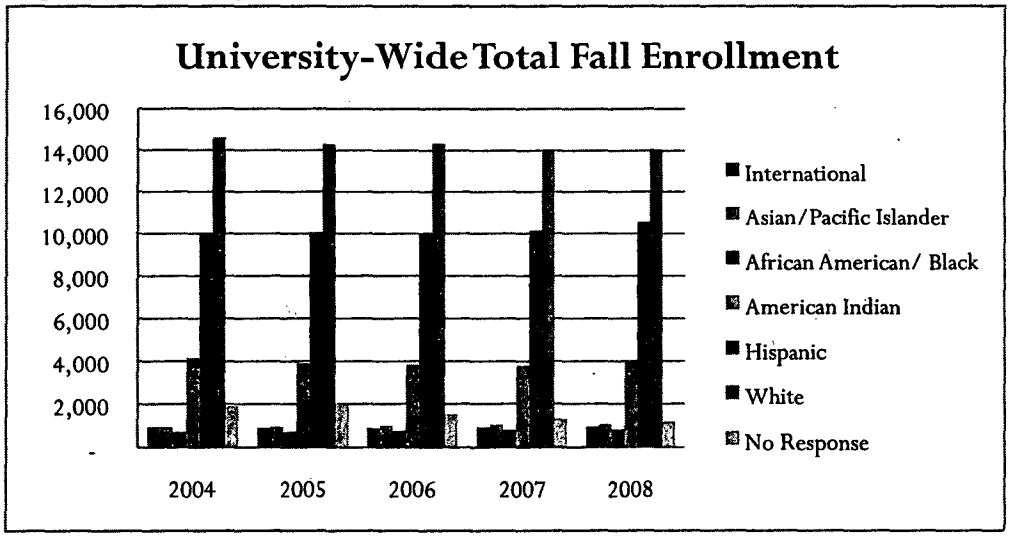
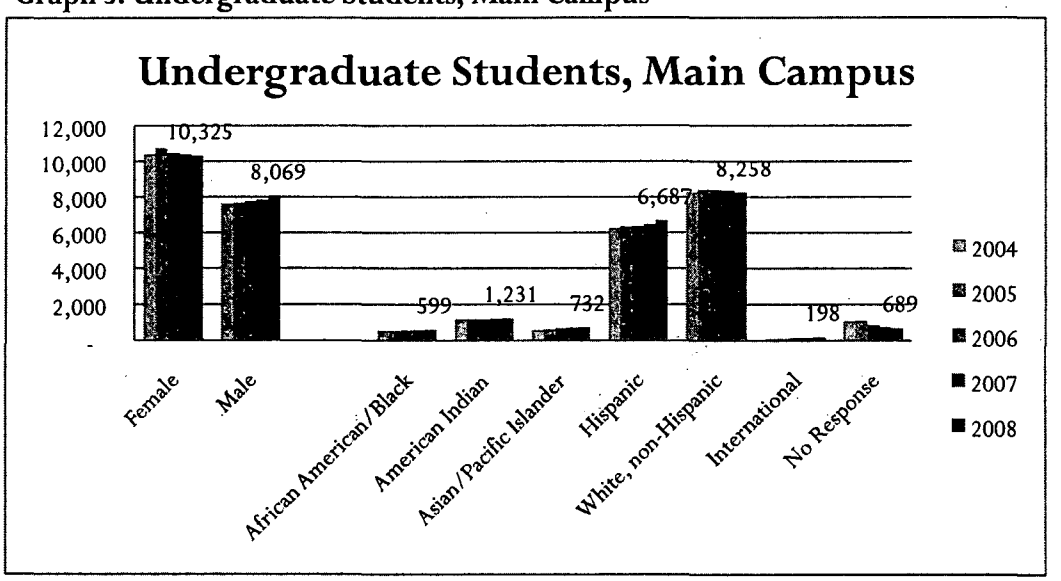


Table 2. Undergraduate Students, Main Campus

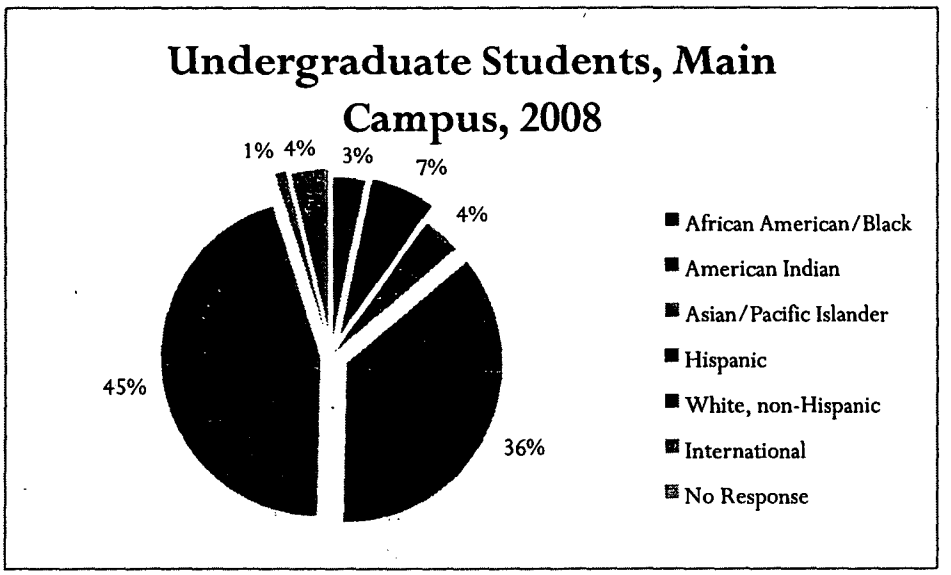
Undergraduate Students, Main Campus

	2004	2005	2006	2007	2008
Females	**10,429**	**10,730**	**10,446**	**10,401**	**10,325**
	58%	58%	57%	57%	56%
Males	**7,598**	**7,657**	**7,741**	**7,848**	**8,069**
	42%	42%	43%	43%	44%
African American	**524**	**554**	**564**	**583**	**599**
	3%	3%	3%	3%	3%
American Indian	**1,183**	**1,192**	**1,189**	**1,206**	**1,231**
	7%	6%	7%	7%	7%
Asian/Pacific Islander	**592**	**630**	**681**	**711**	**732**
	3%	3%	4%	4%	4%
Hispanic	**6,258**	**6,354**	**6,357**	**6,470**	**6,687**
	35%	35%	35%	35%	36%
White, non-Hispanic	**8,269**	**8,417**	**8,389**	**8,355**	**8,258**
	46%	46%	46%	46%	45%
International	**109**	**127**	**149**	**159**	**198**
	1%	1%	1%	1%	1%
No Response	**1,092**	**1,113**	**858**	**765**	**689**
	6%	6%	5%	4%	4%
Total	**18,027**	**18,387**	**18,187**	**18,249**	**18,394**

Graph 3. Undergraduate Students, Main Campus



Graph 4. Undergraduate Students, Main Campus, 2008



Student Enrollment in Graduate Programs

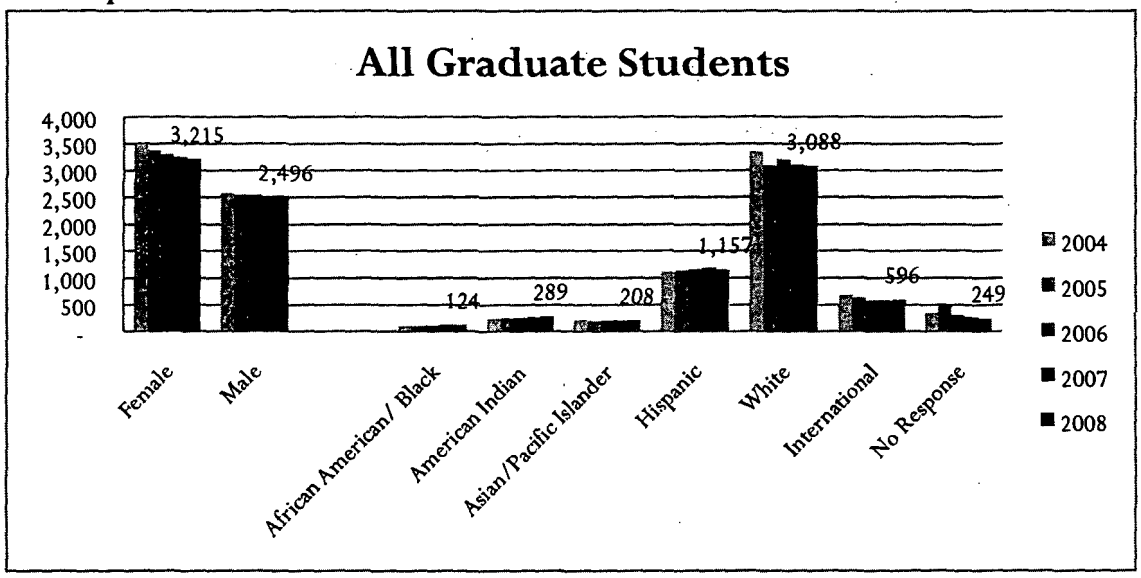
The demographics of all UNM graduate students from all programs together are presented below followed by the demographics of each graduate school individually.

Table 3. Graduate Students Total

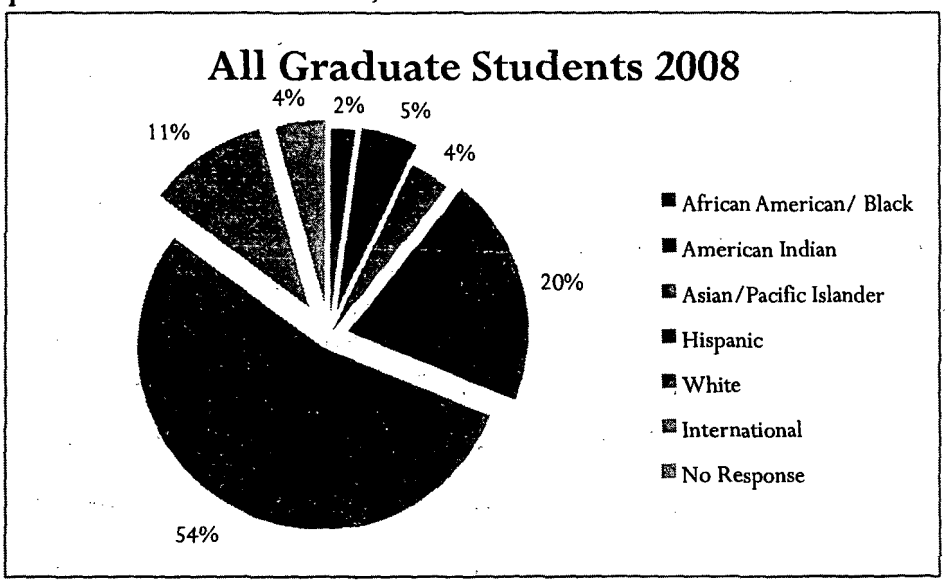
Graduate Students Total

	2004	2005	2006	2007	2008
Females	**3,492**	**3,372**	**3,303**	**3,246**	**3,215**
	58%	57%	57%	56%	56%
Males	**2,573**	**2,550**	**2,541**	**2,517**	**2,496**
	42%	43%	43%	44%	44%
African American	**105**	**92**	**110**	**122**	**124**
	2%	2%	2%	2%	2%
American Indian	**239**	**247**	**261**	**272**	**289**
	4%	4%	4%	5%	5%
Asian/Pacific Islander	**217**	**189**	**197**	**208**	**208**
	4%	3%	3%	4%	4%
Hispanic	**1,114**	**1,147**	**1,164**	**1,191**	**1,157**
	18%	19%	20%	21%	20%
White, non-Hispanic	**3,363**	**3,093**	**3,211**	**3,111**	**3,088**
	55%	52%	55%	54%	54%
International	**682**	**641**	**594**	**585**	**596**
	11%	11%	10%	10%	10%
No Response	**345**	**513**	**307**	**274**	**249**
	6%	9%	5%	5%	4%
Total	**6,065**	**5,922**	**5,844**	**5,763**	**5,711**

Graph 5. All Graduate Students

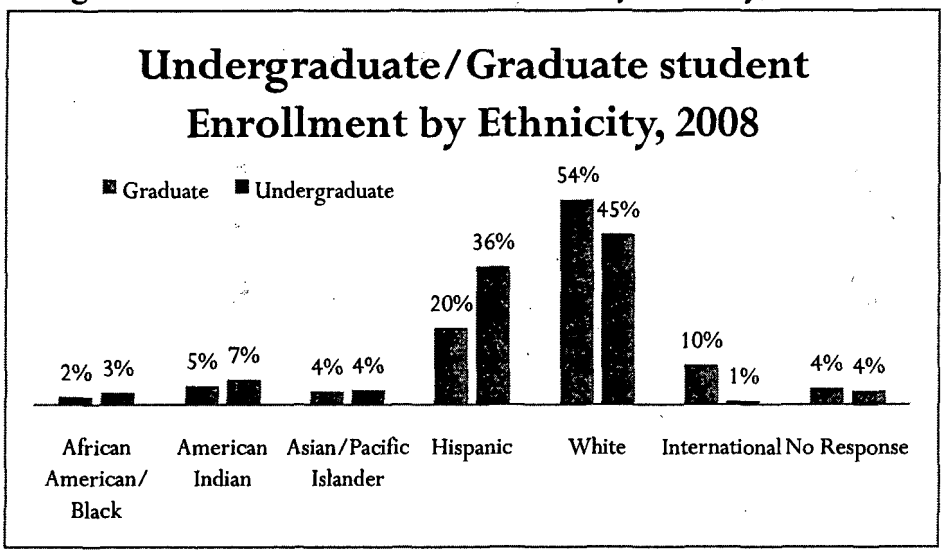


Graph 6. All Graduate Students, 2008



The difference between undergraduate and graduate enrollment by ethnicity is presented below. One immediately noticeable disparity is that of Hispanic students, representing 36% of all undergraduate students and only 20% of all graduate students. Also important to note is that while there are very few international undergraduate students, they make up 10% of graduate students.

Graph 7. Undergraduate/Graduate Student Enrollment by Ethnicity, 2008



Graduate students enrolled in main campus programs such as humanities are presented in the chart below.

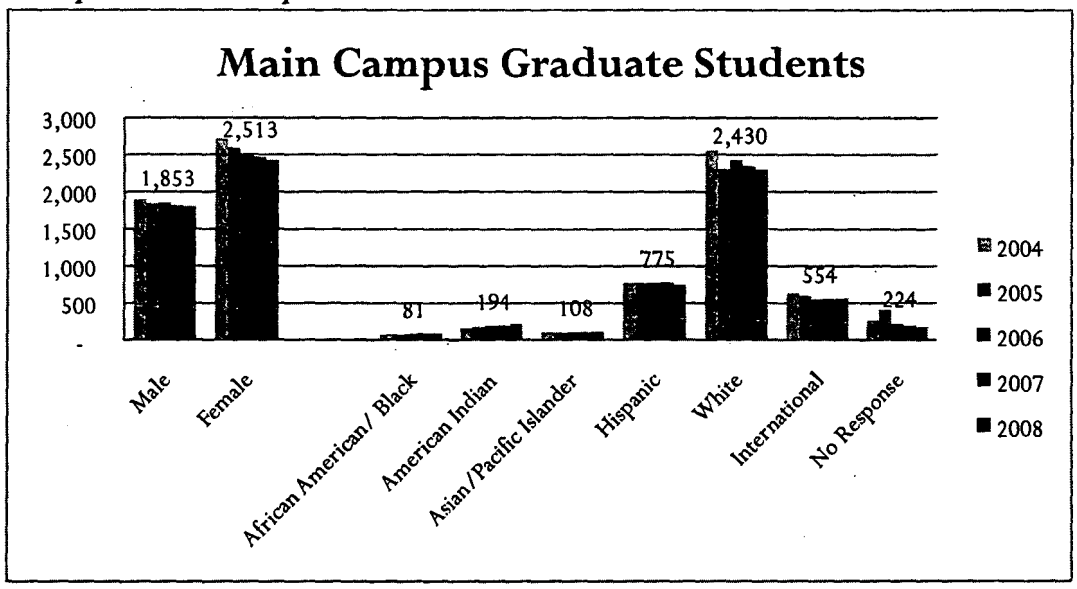
Table 4. Graduate Students, Main Campus

Graduate Students, Main Campus

	2004	2005	2006	2007	2008
Females	**2,712**	**2,600**	**2,513**	**2,473**	**2,428**
	59%	59%	58%	58%	57%
Males	**1,898**	**1,838**	**1,853**	**1,816**	**1,803**
	41%	41%	42%	42%	43%
African American	**82**	**70**	**81**	**92**	**93**
	2%	2%	2%	2%	2%
American Indian	**169**	**179**	**194**	**199**	**219**
	4%	4%	4%	5%	5%
Asian/Pacific Islander	**112**	**101**	**108**	**110**	**117**
	2%	2%	2%	3%	3%
Hispanic	**773**	**776**	**775**	**787**	**748**
	17%	17%	18%	18%	18%
White, non-Hispanic	**2,564**	**2,307**	**2,430**	**2,350**	**2,304**
	56%	52%	56%	55%	54%
International	**639**	**601**	**554**	**556**	**567**
	14%	14%	13%	13%	13%
No Response	**271**	**404**	**224**	**195**	**183**

	6%	9%	5%	5%	4%
Total	**4,610**	**4,438**	**4,366**	**4,289**	**4,231**

Graph 8. Main Campus Graduate Students



The other graduate programs include Anderson School of Management, the UNM School of Law, the Medical School and the PharmD program. The demographics of these programs are presented below.

Table 5. Anderson School of Management

Anderson School of Management

	2004	2005	2006	2007	2008
Females	**203**	**197**	**217**	**215**	**236**
	43%	42%	46%	46%	50%
Males	**271**	**269**	**252**	**251**	**238**
	57%	58%	54%	54%	50%
African American	**6**	**2**	**4**	**6**	**7**
	1%	0%	1%	1%	1%
American Indian	**9**	**4**	**5**	**13**	**10**
	2%	1%	1%	3%	2%
Asian/Pacific Islander	**12**	**17**	**25**	**30**	**28**
	3%	4%	5%	6%	6%
Hispanic	**83**	**93**	**106**	**114**	**123**
	18%	20%	23%	24%	26%
White, non-Hispanic	**283**	**265**	**271**	**254**	**262**
	60%	57%	58%	55%	55%
International	**38**	**36**	**35**	**27**	**27**
	8%	8%	7%	6%	6%

No Response	43	49	23	22	17
	9%	11%	5%	5%	4%
Total	474	466	469	466	474

Graph 9. Anderson Graduate School of Management Students

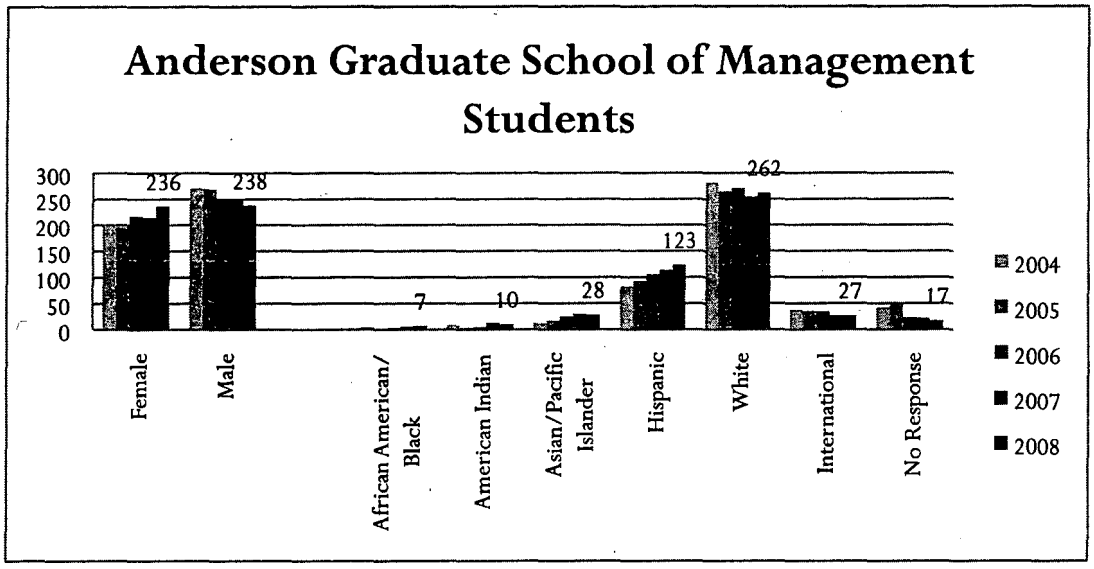


Table 6. School of Law

School of Law

	2004	2005	2006	2007	2008
Females	191	181	172	173	182
	56%	50%	50%	50%	53%
Males	153	180	172	171	162
	44%	50%	50%	50%	47%
African American	10	13	12	10	12
	3%	4%	3%	3%	3%
American Indian	34	36	33	29	28
	10%	10%	10%	8%	8%
Asian/Pacific Islander	7	7	9	6	10
	2%	2%	3%	2%	3%
Hispanic	76	88	93	106	106
	22%	24%	27%	31%	31%
White, non-Hispanic	205	183	162	162	173
	60%	51%	47%	47%	50%
International	2	1	2	0	0
	1%	0%	1%	0%	0%
No Response	10	33	33	31	15
	3%	9%	10%	9%	4%

Total	**344**	**361**	**344**	**344**	**344**

Graph 10. School of Law Students

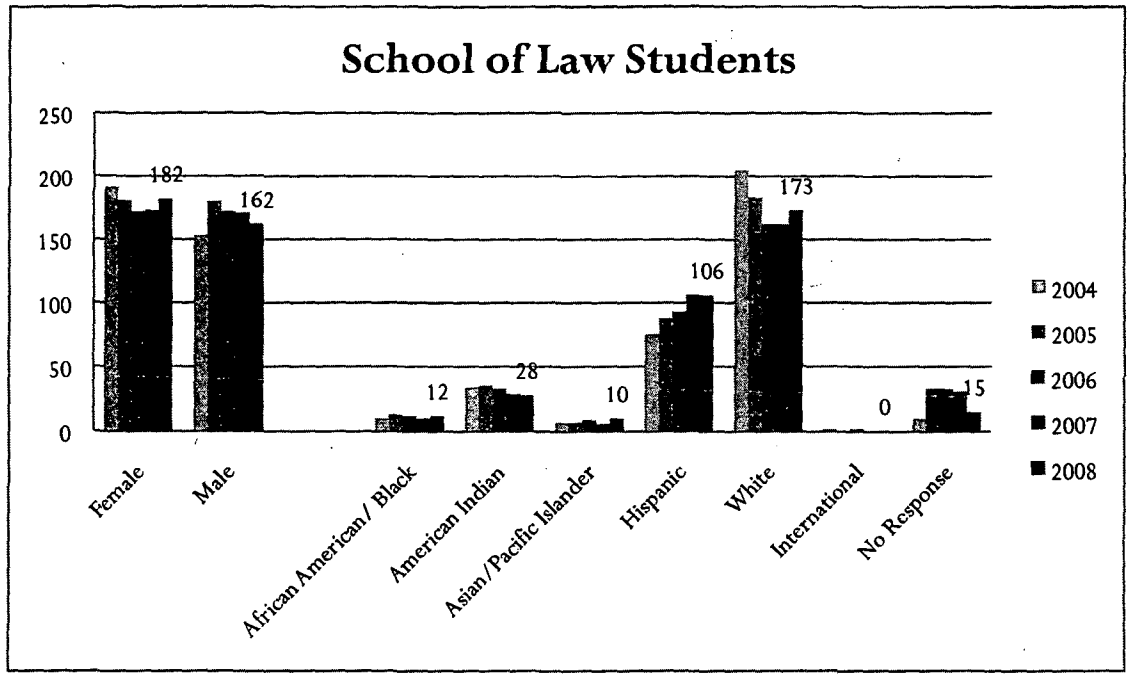


Table 7. School of Medicine

School of Medicine

	2004	2005	2006	2007	2008
Females	**181**	**172**	**166**	**162**	**157**
	61%	59%	54%	53%	52%
Males	**117**	**120**	**140**	**141**	**146**
	39%	41%	46%	46%	48%
African American	**3**	**3**	**5**	**5**	**4**
	1%	1%	2%	2%	1%
American Indian	**12**	**9**	**10**	**11**	**8**
	4%	3%	3%	4%	3%
Asian/Pacific Islander	**22**	**19**	**19**	**21**	**15**
	7%	7%	6%	7%	5%
Hispanic	**78**	**81**	**78**	**78**	**78**
	26%	28%	25%	26%	26%
White, non-Hispanic	**174**	**173**	**183**	**176**	**175**
	58%	59%	60%	58%	58%
International	**0**	**1**	**1**	**1**	**1**
	0%	0%	0%	0%	0%
No Response	**9**	**6**	**10**	**12**	**22**
	3%	2%	3%	4%	7%
Total	**298**	**292**	**306**	**304**	**303**

Graph 11. Medical School Students

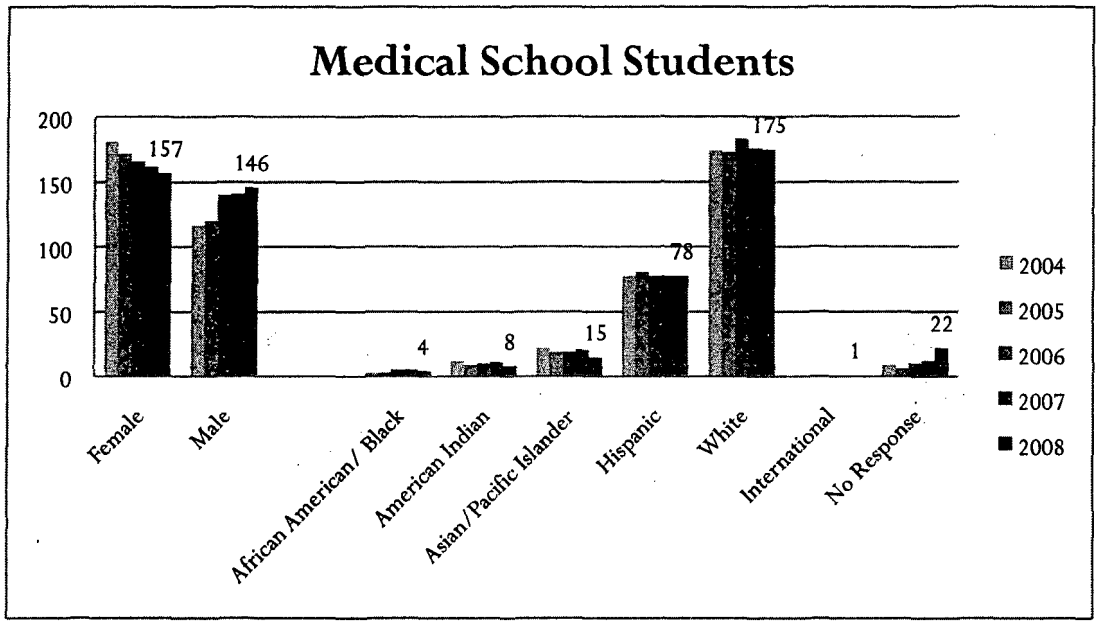
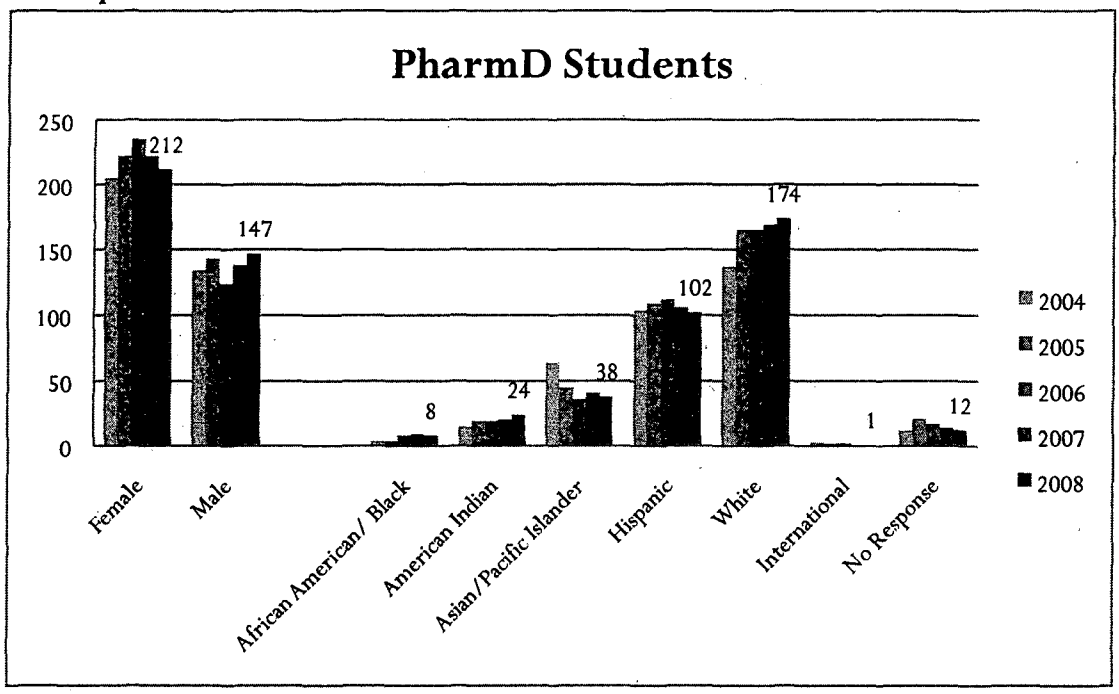


Table 8. PharmD Program

PharmD Program

	2004	2005	2006	2007	2008
Females	**205**	**222**	**235**	**222**	**212**
	60%	61%	65%	62%	59%
Males	**134**	**143**	**124**	**138**	**147**
	40%	39%	35%	38%	41%
African American	**4**	**4**	**8**	**9**	**8**
	1%	1%	2%	3%	2%
American Indian	**15**	**19**	**19**	**20**	**24**
	4%	5%	5%	6%	7%
Asian/Pacific Islander	**64**	**45**	**36**	**41**	**38**
	19%	12%	10%	11%	11%
Hispanic	**104**	**109**	**112**	**106**	**102**
	31%	30%	31%	29%	28%
White, non-Hispanic	**137**	**165**	**165**	**169**	**174**
	40%	45%	46%	47%	48%
International	**3**	**2**	**2**	**1**	**1**
	1%	1%	1%	0%	0%
No Response	**12**	**21**	**17**	**14**	**12**
	4%	6%	5%	4%	3%
Total	**339**	**365**	**359**	**360**	**359**

Graph 12. PharmD Students



Student Enrollment at the Branch Campuses

There are four branch campuses located throughout New Mexico. Each campus is responsive to the unique needs and demographics of the community they serve. The campuses include Gallup, Los Alamos, Taos and Valencia.

Table 9. Gallup

Gallup

	2004	2005	2006	2007	2008
Females	**2,046**	**1,948**	**1,860**	**1,784**	**1,891**
	66%	68%	68%	66%	67%
Males	**1,068**	**926**	**888**	**903**	**946**
	34%	32%	32%	34%	33%
African American	**14**	**17**	**13**	**13**	**15**
	0%	1%	0%	0%	1%
American Indian	**2,456**	**2,223**	**2,117**	**2,076**	**2,236**
	79%	77%	77%	77%	79%
Asian/Pacific Islander	**13**	**23**	**27**	**24**	**25**
	0%	1%	1%	1%	1%
Hispanic	**274**	**264**	**258**	**267**	**253**
	9%	9%	9%	10%	9%
White, non-Hispanic	**311**	**307**	**268**	**250**	**251**
	10%	11%	10%	9%	9%
International	**5**	**11**	**21**	**19**	**13**
	0%	0%	1%	1%	0%

No Response	41	29	44	39	44
	1%	1%	2%	1%	2%
Total	3,114	2,874	2,748	2,688	2,837

Graph 13. Gallup

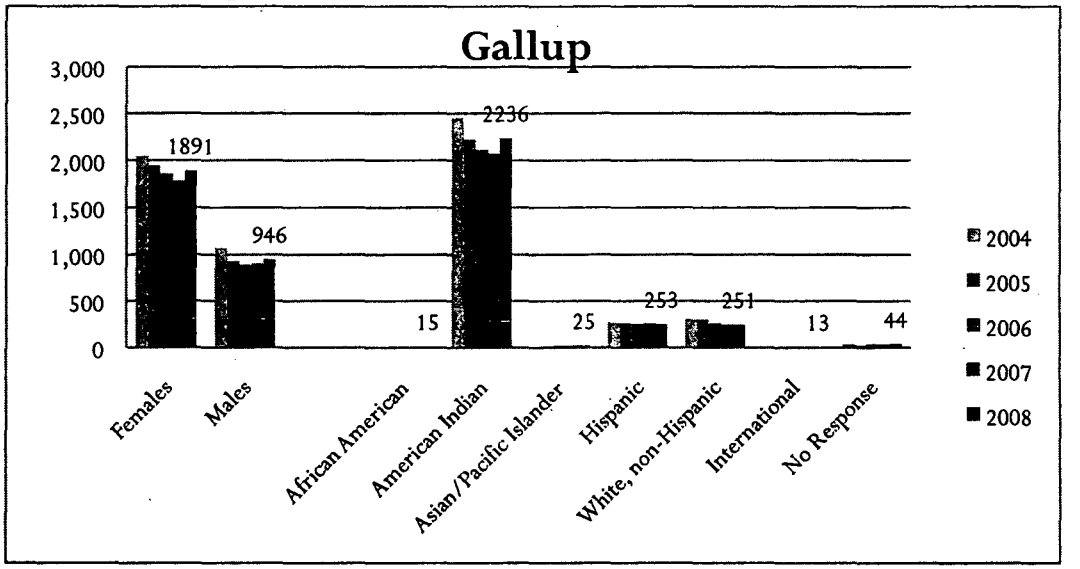


Table 10. Los Alamos

Los Alamos

	2004	2005	2006	2007	2008
Females	573	465	493	407	420
	61%	60%	62%	63%	63%
Males	372	315	300	241	251
	39%	40%	38%	37%	37%
African American	3	2	3	2	6
	0%	0%	0%	0%	1%
American Indian	51	53	54	30	43
	5%	7%	7%	5%	6%
Asian/Pacific Islander	25	23	22	23	26
	3%	3%	3%	4%	4%
Hispanic	380	320	302	246	231
	40%	41%	38%	38%	34%
White, non-Hispanic	420	335	362	306	335
	44%	43%	46%	47%	50%
International	12	10	10	11	8
	1%	1%	1%	2%	1%
No Response	54	37	40	30	22
	6%	5%	5%	5%	3%
Total	945	780	793	648	671

Graph 14. Los Alamos

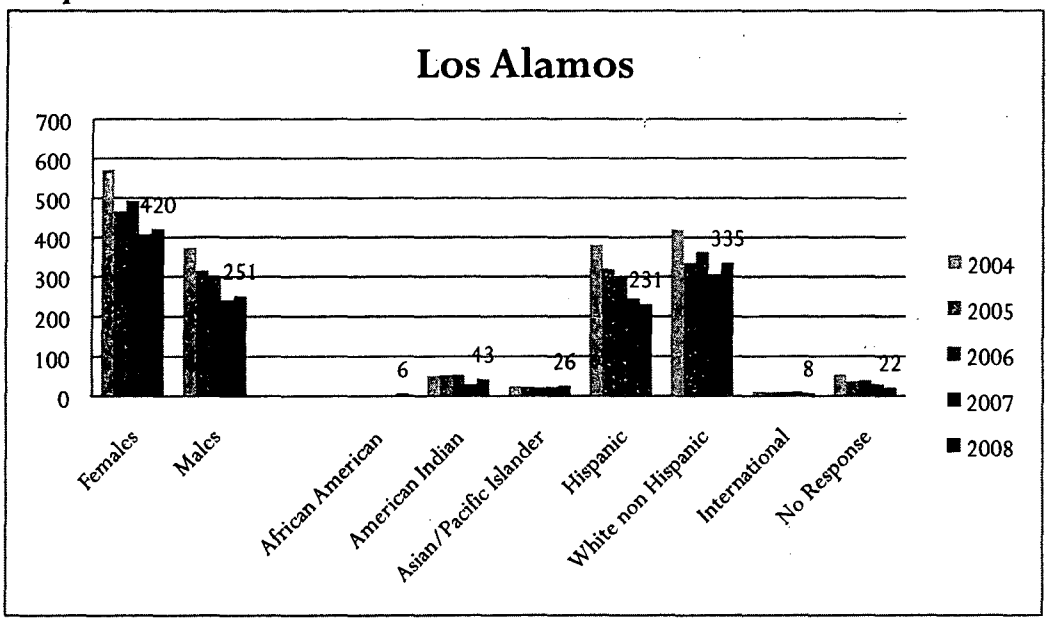


Table 11. Taos

Taos	2004	2005	2006	2007	2008
Females	805	909	933	822	906
	72%	70%	69%	69%	64%
Males	316	398	420	371	510
	28%	30%	31%	31%	36%
African American	6	10	9	10	19
	1%	1%	1%	1%	1%
American Indian	71	78	89	81	80
	6%	6%	7%	7%	6%
Asian/Pacific Islander	17	8	7	13	12
	2%	1%	1%	1%	1%
Hispanic	521	646	638	562	741
	46%	49%	47%	47%	52%
White, non-Hispanic	421	475	508	440	483
	38%	36%	38%	37%	34%
International	1	0	2	0	3
	0%	0%	0%	0%	0%
No Response	84	90	100	88	78
	7%	7%	7%	7%	6%
Total	1,121	1,307	1,353	1,193	1,416

Graph 15. Taos

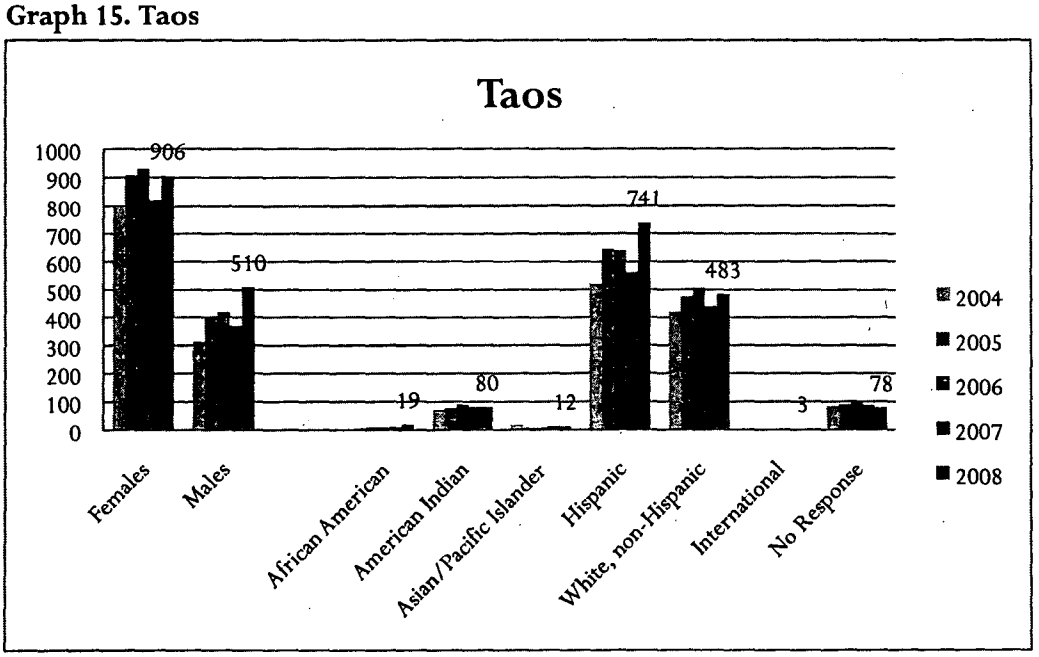
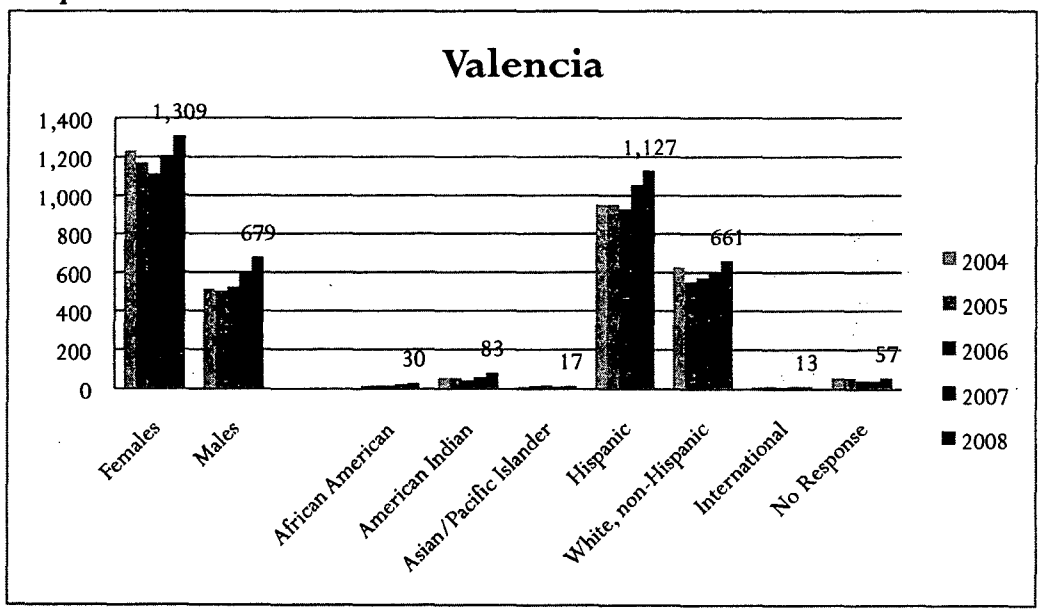


Table 12. Valencia

Valencia	2,004	2,005	2,006	2,007	2,008
Females	1,229	1,171	1,110	1,206	1,309
	70%	70%	68%	67%	66%
Males	516	503	526	601	679
	30%	30%	32%	33%	34%
African American	19	20	17	24	30
	1%	1%	1%	1%	2%
American Indian	57	58	45	61	83
	3%	3%	3%	3%	4%
Asian/Pacific Islander	14	17	20	13	17
	1%	1%	1%	1%	1%
Hispanic	955	952	928	1,056	1,127
	55%	57%	57%	58%	57%
White, non-Hispanic	629	552	573	597	661
	36%	33%	35%	33%	33%
International	13	15	10	14	13
	1%	1%	1%	1%	1%
No Response	58	60	43	42	57
	3%	4%	3%	2%	3%
Total	1,745	1,674	1,636	1,807	1,988

Graph 16. Valencia



Freshmen Retention

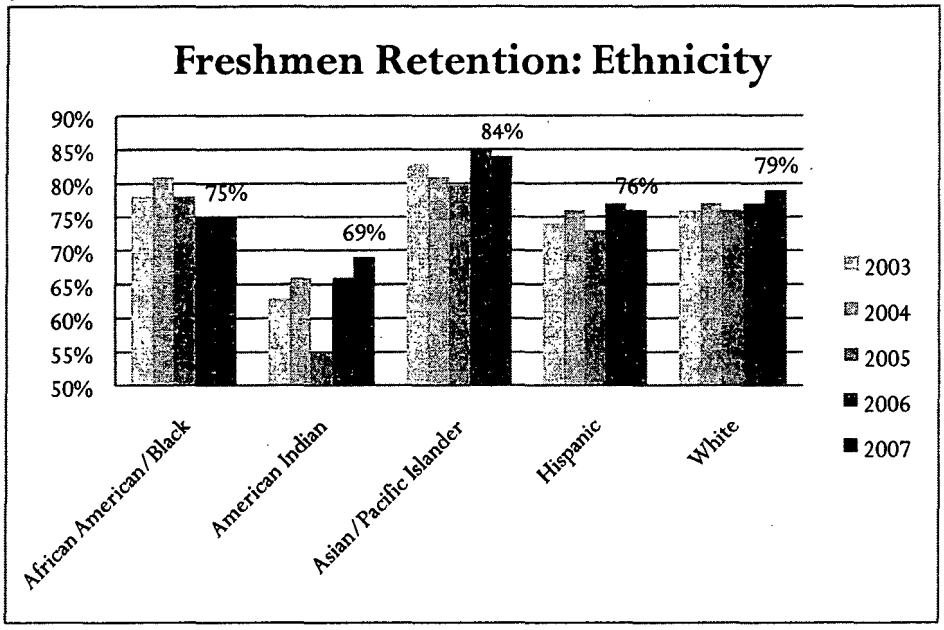
Freshmen retention is a primary indicator of student success. High retention is reflective of the students' needs being met and their successes driving their commitment. The measurement presented below is the percentage of entering cohorts enrolled for their third semester. For example, the 2007 entering cohort retention is the percentage that enrolled for fall 2008. The total number of the cohort entering each year is presented above the retention rate of that cohort. Note that this includes full-time freshmen only.

Table 13. Freshman Retention

Freshmen Retention

	2003	2004	2005	2006	2007
Females	1,663	1,720	1,721	1,620	1,639
	78%	**79%**	**76%**	**78%**	**79%**
Males	1,281	1,303	1,296	1,339	1,216
	71%	**72%**	**72%**	**75%**	**75%**
African American	91	108	81	107	93
	78%	**81%**	**78%**	**75%**	**75%**
American Indian	142	180	136	160	167
	63%	**66%**	**55%**	**66%**	**69%**
Asian/Pacific Islander	102	95	115	133	122
	83%	**81%**	**80%**	**85%**	**84%**
Hispanic	1,101	1,134	1,160	1,082	1,072
	74%	**76%**	**73%**	**77%**	**76%**
White, non-Hispanic	1,353	1,328	1,390	1,360	1,285
	76%	**77%**	**76%**	**77%**	**79%**

Graph 17. Freshmen Retention: Ethnicity



Student Graduation

Another indicator of student success is the rate of student graduation. The measurement presented below is the percentage of the cohort of freshmen entering in 1999-2002 who had graduated by the end of six years. For example, the graduation rate for the 2002 entering freshmen cohort is the percentage who had graduated[2] by spring, 2008.

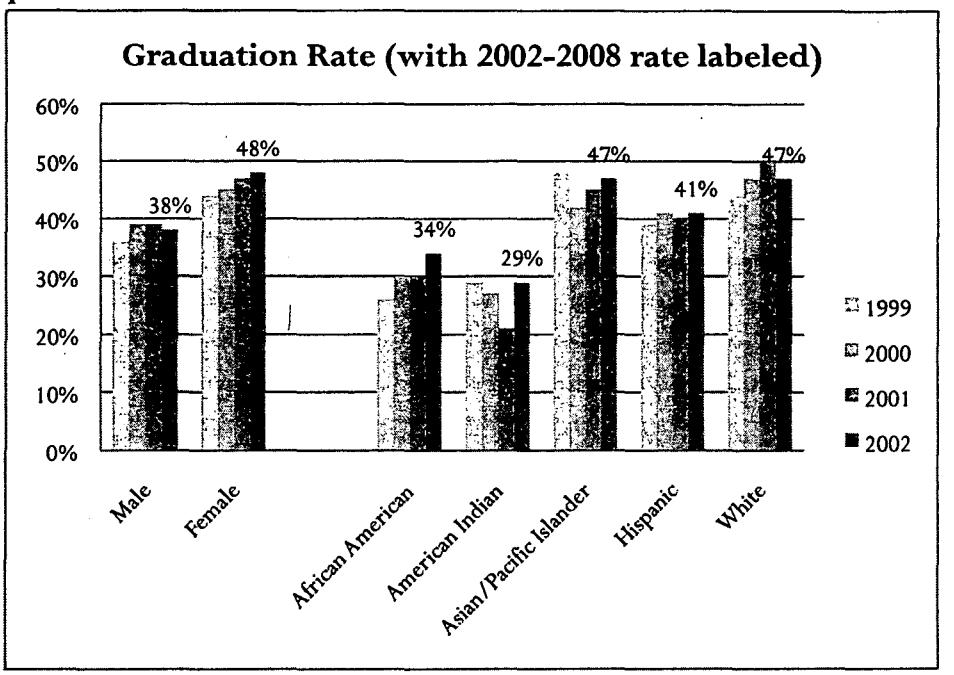
Table 14. Graduation Rate

Graduation Rate

	1999	2000	2001	2002
Females	44%	45%	47%	48%
Males	36%	39%	39%	38%
African American	26%	30%	30%	34%
American Indian	29%	27%	21%	29%
Asian/Pacific Islander	48%	42%	45%	47%
Hispanic	39%	41%	40%	41%
White, non-Hispanic	44%	47%	50%	47%

[2] Graduation rates include those students who entered the PharmD program.

Graph 18. Graduation Rate



Degrees Awarded

The following demographic information represents the degrees awarded on Main Campus including degrees awarded by the HSC.

Table 15. Bachelors Degrees

Bachelors Degrees

	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008
African American	**62**	**62**	**65**	**66**	**80**
	2%	2%	2%	2%	3%
American Indian	**145**	**168**	**169**	**172**	**179**
	5%	6%	6%	6%	6%
Asian/Pacific Islander	**90**	**81**	**75**	**93**	**103**
	3%	3%	3%	3%	3%
Hispanic	**872**	**933**	**911**	**968**	**1003**
	31%	33%	32%	32%	33%
White, non-Hispanic	**1,505**	**1,406**	**1,482**	**1,501**	**1,487**
	54%	50%	51%	50%	49%
International	**28**	**30**	**22**	**34**	**30**
	1%	1%	1%	1%	1%
No Response	**75**	**138**	**166**	**165**	**170**
	3%	5%	6%	6%	6%
Total	**2,777**	**2,818**	**2,890**	**2,999**	**3,052**

Graph 19. Bachelors Degrees

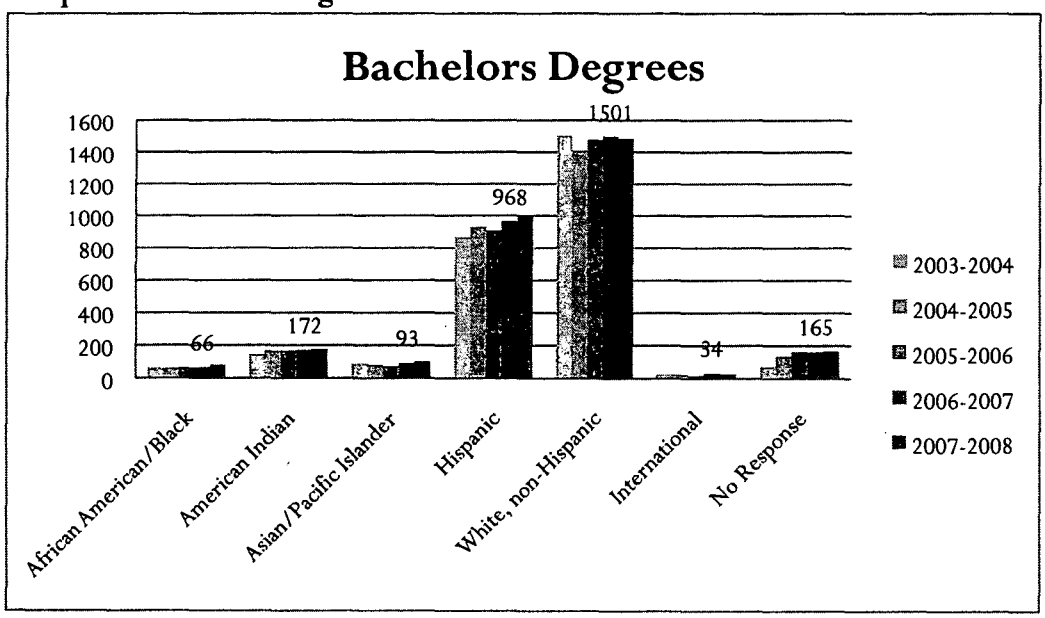


Table 16. Masters Degrees

Masters Degrees	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008
African American	11	22	19	12	18
	1%	2%	2%	1%	2%
American Indian	33	41	41	40	46
	3%	3%	3%	4%	4%
Asian/Pacific Islander	29	31	33	29	37
	3%	3%	3%	3%	3%
Hispanic	222	240	263	230	227
	21%	20%	22%	21%	20%
White, non-Hispanic	604	683	651	626	622
	56%	57%	54%	56%	56%
International	127	136	141	100	110
	12%	11%	12%	9%	10%
No Response	47	44	67	73	50
	4%	4%	6%	7%	5%
Total	1,073	1,197	1,215	1,110	1,110

Graph 20. Masters Degrees

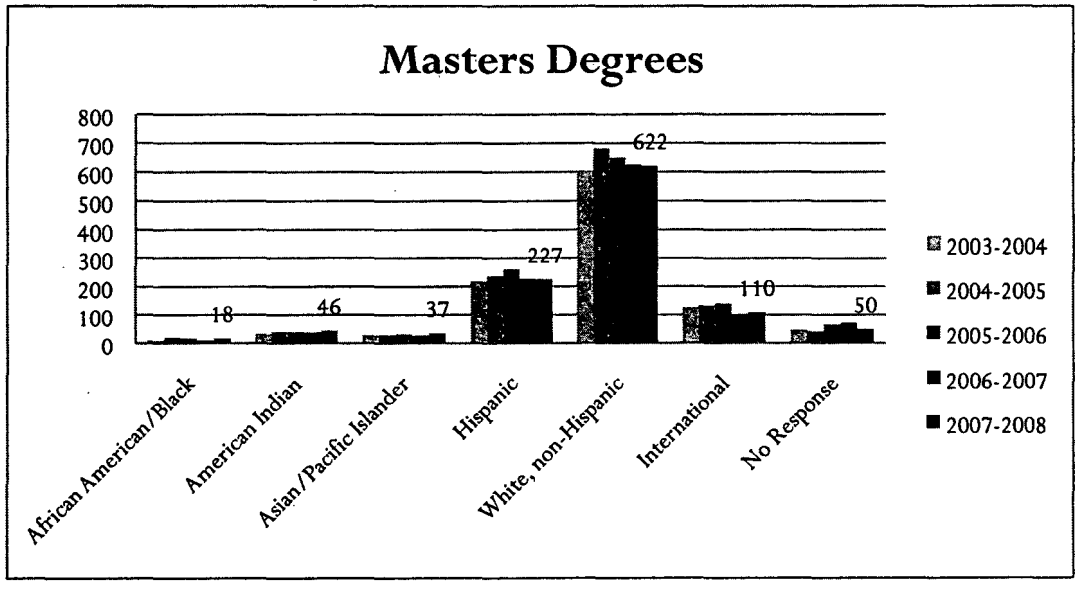
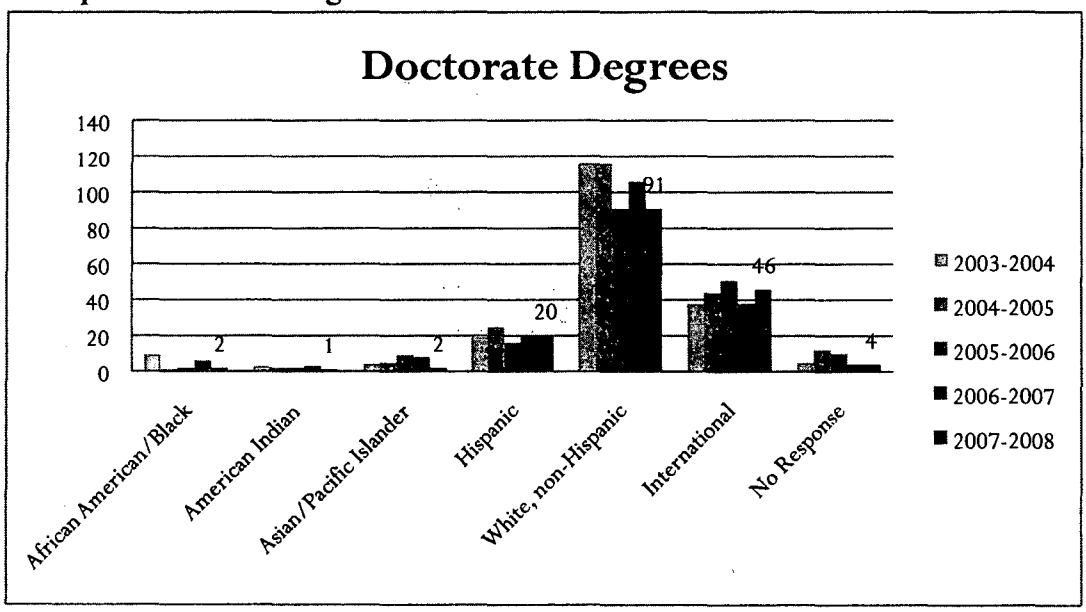


Table 17. Doctorate Degrees

Doctorate Degrees

	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008
African American	9	1	2	6	2
	5%	0%	1%	3%	1%
American Indian	3	2	2	3	1
	2%	1%	1%	2%	1%
Asian/Pacific Islander	4	5	9	8	2
	2%	2%	5%	4%	1%
Hispanic	20	25	16	20	20
	10%	12%	9%	11%	12%
White, non-Hispanic	116	116	91	106	91
	59%	57%	50%	57%	55%
International	38	44	51	38	46
	19%	21%	28%	21%	28%
No Response	5	12	10	4	4
	3%	6%	6%	2%	2%
Total	195	205	181	185	166

Graph 21. Doctrate Degrees



Staff Demographics

The data presented below comes from the Affirmative Action Plan data, and represents the disparity between the demographics of each staff group. The Executive/Administrative level includes executive, administrative and managerial positions with occupational responsibilities related to management policies or the general business of the institution or a division. This staff group is 2% African American, 2% American Indian, 2% Asian/Pacific Islander, 24% Hispanic and 70% white.

The Professional group includes those who work perhaps in health care, technical, student or administrative support and who have advanced knowledge or education in their field. At the Professional level, of the 1,916 staff members 34% represent minority groups.

Clerical/Secretarial includes staff associated with office or administrative duties including bookkeepers, librarians, etc. Of the Clerical/Secretarial staff group, the percentage of African American, American Indian, Asian/Pacific Islander and Hispanic together increases to 56% of the group.

Skilled Craft Workers include those who require special manual skills and knowledge, including mechanics, electricians, etc. Of the 92 Skilled Craft Workers, only two are women.

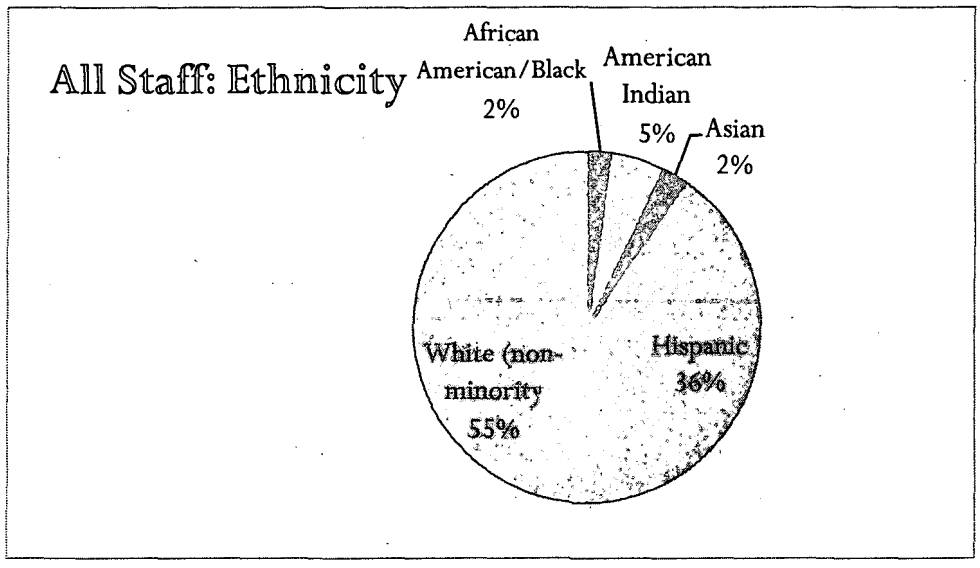
Service Workers include cafeteria workers, laborers, security, etc. Of Service Workers, the majority (61%) are Hispanic. Thus, the *All Staff: Ethnicity* chart below masks difference in the ethnic makeup of the different staff group. Gender disparities by group are displayed below in *Staff Group: Gender.*

Table 18. Staff by Group

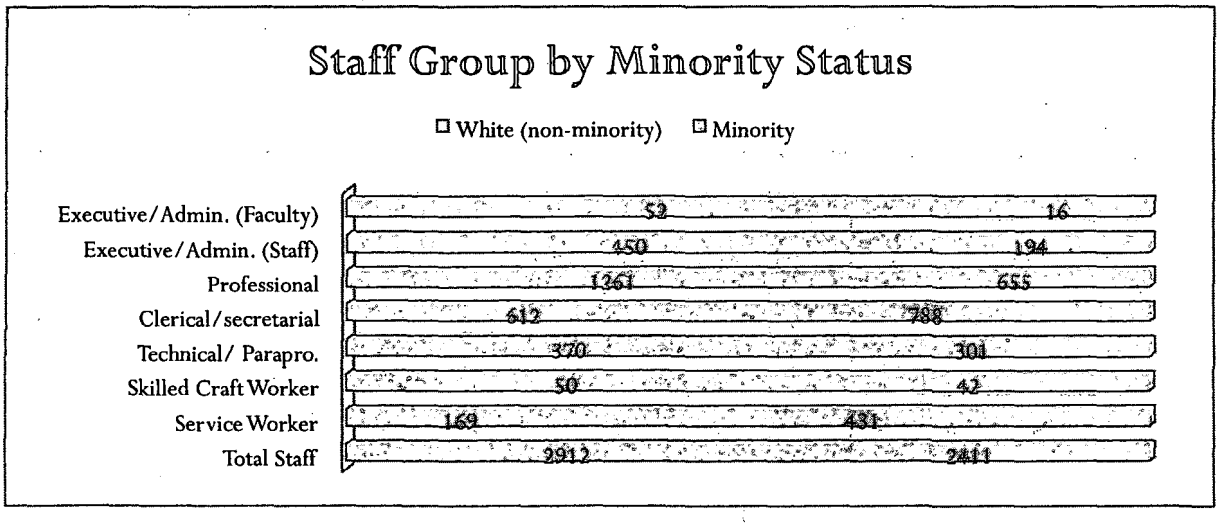
Staff by Group

	Total	Female		Male		African American		American Indian		Asian		Hispanic		White	
Exec/Admn (Faculty)	68	30	44%	38	56%	3	4%	1	1%	1	1%	11	16%	52	76%
Exec/Admn (Staff)	644	354	55%	290	45%	14	2%	13	2%	14	2%	153	24%	450	70%
Professional	1,916	1,266	66%	650	34%	46	2%	62	3%	71	4%	476	25%	1,261	66%
Clerical/ Secretarial	1,400	1,212	87%	188	13%	32	2%	115	8%	16	1%	625	45%	612	44%
Technical/ Paraprof.	671	396	59%	275	41%	6	1%	34	5%	24	4%	237	35%	370	55%
Skilled Craft Worker	92	2	2%	90	98%	0	0%	1	1%	0	0%	41	45%	50	54%
Service Worker	600	284	47%	316	53%	14	2%	45	8%	5	1%	367	61%	169	28%
Total Staff	5,323	3,514	66%	1,809	34%	112	2%	270	5%	130	2%	1,899	36%	2,912	55%

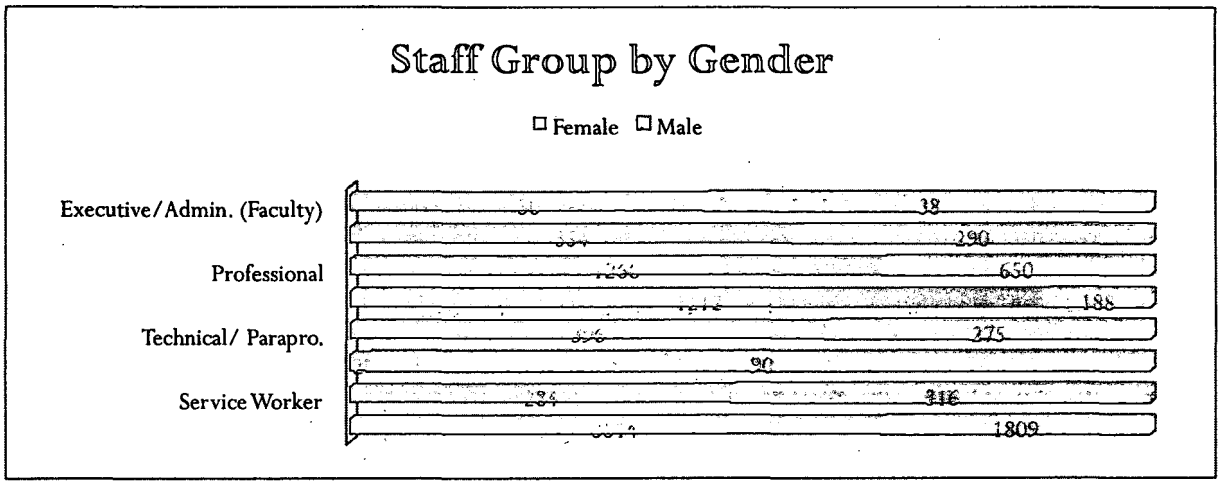
Graph 22. All Staff: Ethnicity



Graph 23. Staff Group by Minority Status



Graph 24. Staff Group by Gender



Faculty Demographics

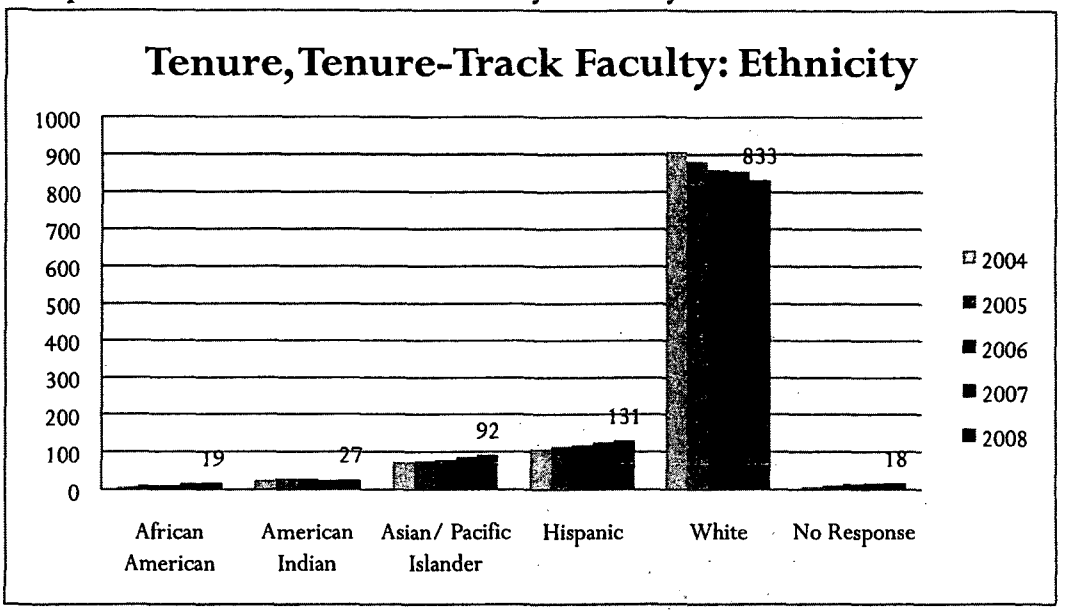
Minority faculty presence is the indicator for OEI's Goal 2; however, it is also critical to our other goals. Student success and campus climate are tied to the presence of minority faculty within the university community. Below are the data representing tenure/tenure track, non-tenure track and temporary faculty for the years 2004-2008 for all UNM faculty. Below the total faculty data is presented followed by the faculty data for each campus.

Table 19. Tenure, Tenure-Track Faculty Demographics

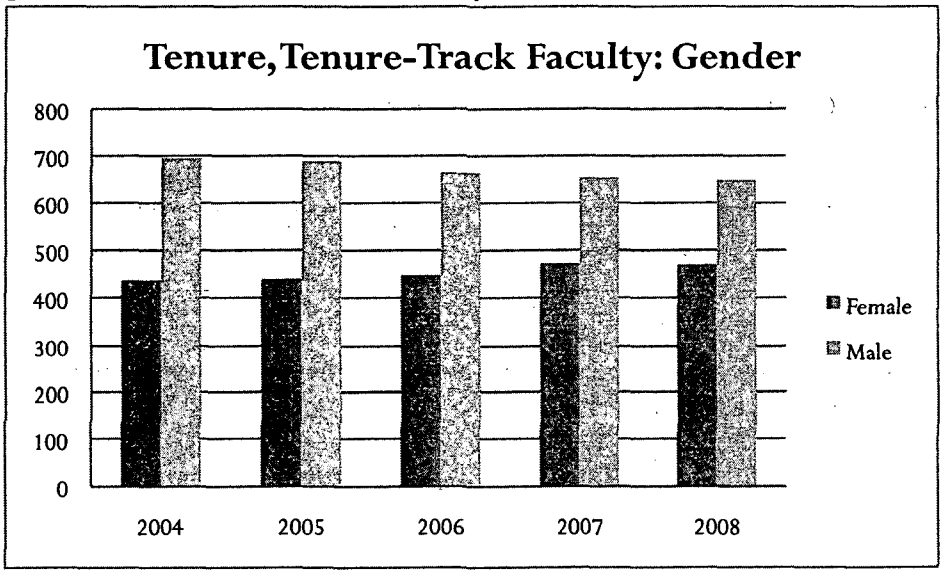
Tenure, Tenure-Track Faculty Demographics

	2004	2005	2006	2007	2008
Female	**437**	**440**	**449**	**473**	**471**
	39%	39%	40%	42%	42%
Male	**696**	**689**	**665**	**655**	**649**
	61%	61%	60%	58%	58%
African American	**9**	**13**	**12**	**17**	**19**
	1%	1%	1%	2%	2%
American Indian	**26**	**30**	**29**	**26**	**27**
	2%	3%	3%	2%	2%
Asian/ Pacific Islander	**74**	**76**	**79**	**86**	**92**
	7%	7%	7%	8%	8%
Hispanic	**109**	**116**	**119**	**126**	**131**
	10%	10%	11%	11%	12%
White	**907**	**882**	**860**	**856**	**833**
	80%	78%	77%	76%	74%
No Response	**8**	**12**	**15**	**17**	**18**
	1%	1%	1%	2%	2%
Total	**1,133**	**1,129**	**1,114**	**1,128**	**1,120**

Graph 25. Tenure, Tenure-Track Faculty: Ethnicity



Graph 26. Tenure, Tenure-Track Faculty: Gender



Graph 27. Tenure, Tenure-Track Faculty, 2008

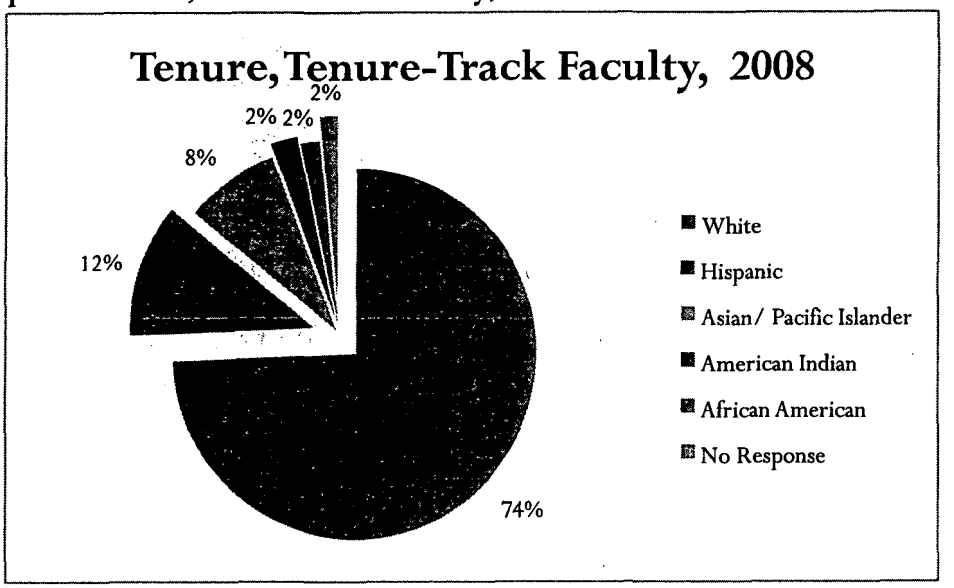


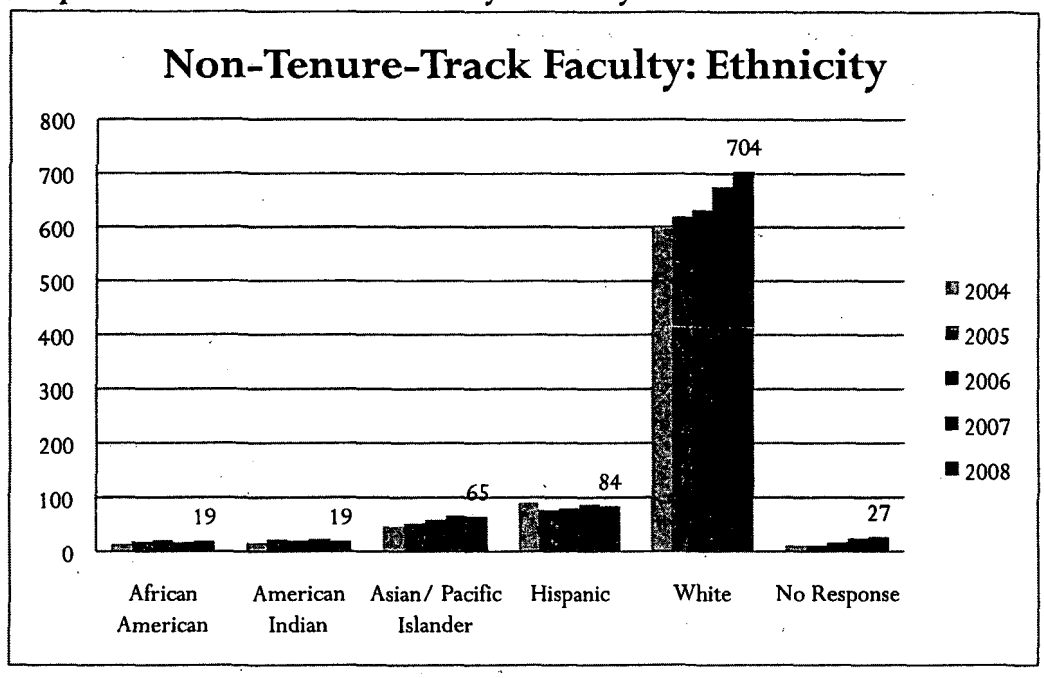
Table 20. Non-Tenure-Track Faculty Demographics

Non-Tenure-Track Faculty Demographics

	2004	2005	2006	2007	2008
Female	372	392	410	448	482
	48%	49%	49%	50%	53%
Male	407	409	419	446	436
	52%	51%	51%	50%	47%
African American	14	18	21	17	19
	2%	2%	3%	2%	2%
American Indian	17	22	20	23	19
	2%	3%	2%	3%	2%
Asian/ Pacific Islander	46	53	59	66	65
	6%	7%	7%	7%	7%
Hispanic	91	77	80	87	84
	12%	10%	10%	10%	9%
White	600	620	632	675	704
	77%	77%	76%	76%	77%
No Response	11	11	17	24	27
	1%	1%	2%	3%	3%

Total	**779**	**801**	**829**	**892**	**918**

Graph 28. Non-Tenure-Track Faculty: Ethnicity



Graph 29. Non-Tenure Track by Gender

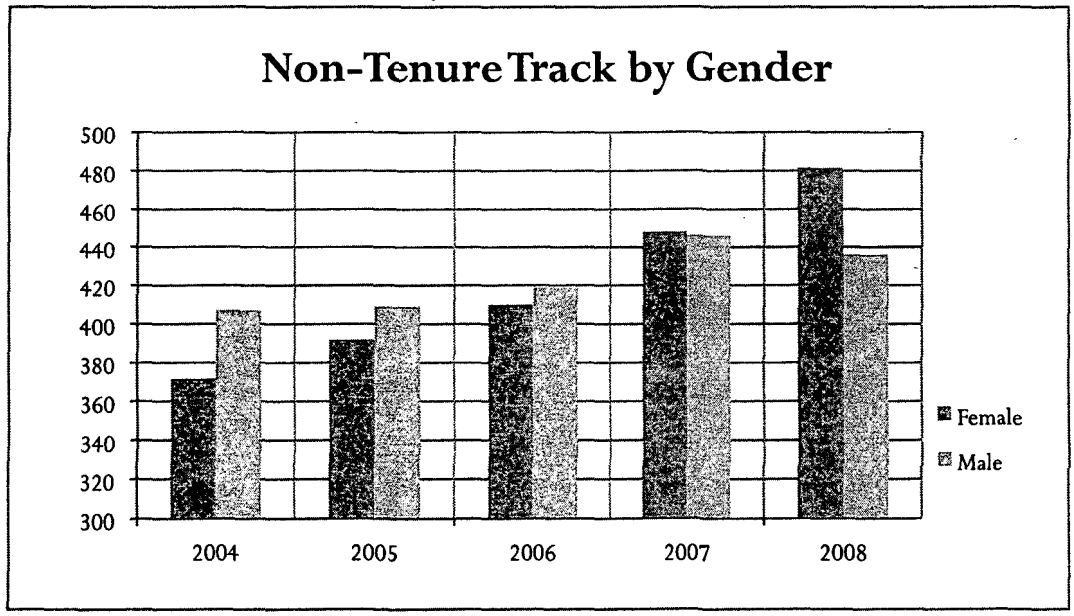
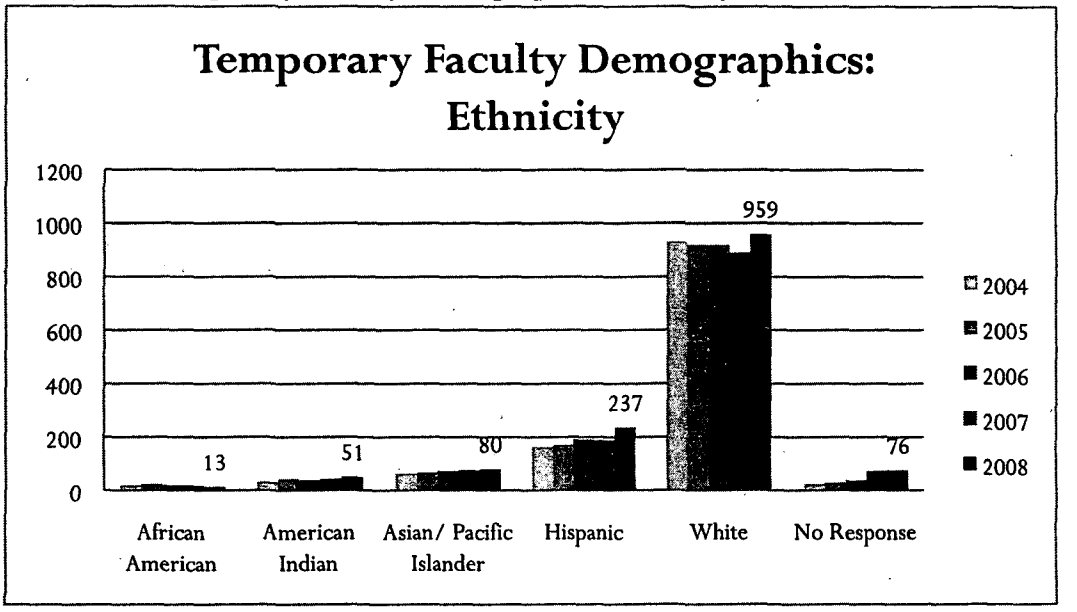


Table 21. Temporary Faculty Demographics

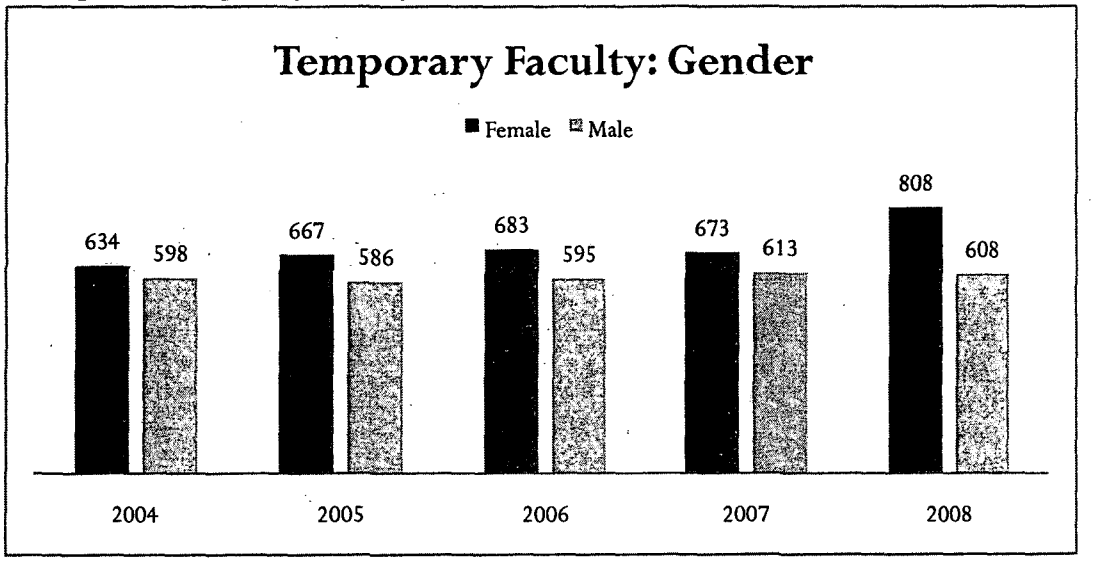
Temporary Faculty Demographics

	2004	2005	2006	2007	2008
Female	634	667	683	673	808
	51%	53%	53%	52%	57%
Male	598	586	595	613	608
	49%	47%	47%	48%	43%
African American	19	23	19	18	13
	2%	2%	1%	1%	1%
American Indian	31	44	38	42	51
	3%	4%	3%	3%	4%
Asian/ Pacific Islander	63	66	73	75	80
	5%	5%	6%	6%	6%
Hispanic	163	171	192	188	237
	13%	14%	15%	15%	17%
White	931	921	920	891	959
	76%	74%	72%	69%	68%
No Response	25	28	36	72	76
	2%	2%	3%	6%	5%
Total	1,232	1,253	1,278	1,286	1,416

Graph 30. Temporary Faculty Demographics: Ethnicity



Graph 31. Temporary Faculty: Gender



Faculty Demographics at Main Campus

Main campus demographics are presented first, followed by the faculty demographics for Gallup, Los Alamos, Taos, Valencia, and then for those four branch campuses combined. Main Campus faculty does not include faculty at the School of Medicine.

Table 22. Total Tenure, Tenure-Track Faculty, Main Campus

Total Tenure, Tenure-Track Faculty, Main Campus

	2004	2005	2006	2007	2008
Female	319	324	330	359	358
	39%	39%	41%	43%	43%
Male	501	501	481	471	479
	61%	61%	59%	57%	57%
African American	8	11	9	12	14
	1%	1%	1%	1%	2%
American Indian	19	23	22	22	23
	2%	3%	3%	3%	3%
Asian/ Pacific Islander	50	50	56	61	70
	6%	6%	7%	7%	8%
Hispanic	89	95	96	100	103
	11%	12%	12%	12%	12%
White	647	636	616	621	612
	79%	77%	76%	75%	73%
No Response	7	10	12	14	15
	1%	1%	1%	2%	2%
Total	820	825	811	830	837

Table 23. Total Non-Tenure-Track Faculty, Main Campus

Total Non-Tenure-Track Faculty, Main Campus

	2004	2005	2006	2007	2008
Female	120	131	128	141	164
	46%	48%	46%	48%	53%
Male	141	143	151	152	143
	54%	52%	54%	52%	47%
African American	5	9	9	7	8
	2%	3%	3%	2%	3%
American Indian	8	9	6	8	6
	3%	3%	2%	3%	2%
Asian/ Pacific Islander	10	11	13	20	18
	4%	4%	5%	7%	6%
Hispanic	37	27	31	30	26
	14%	10%	11%	10%	8%
White	197	214	215	222	242
	75%	78%	77%	76%	79%

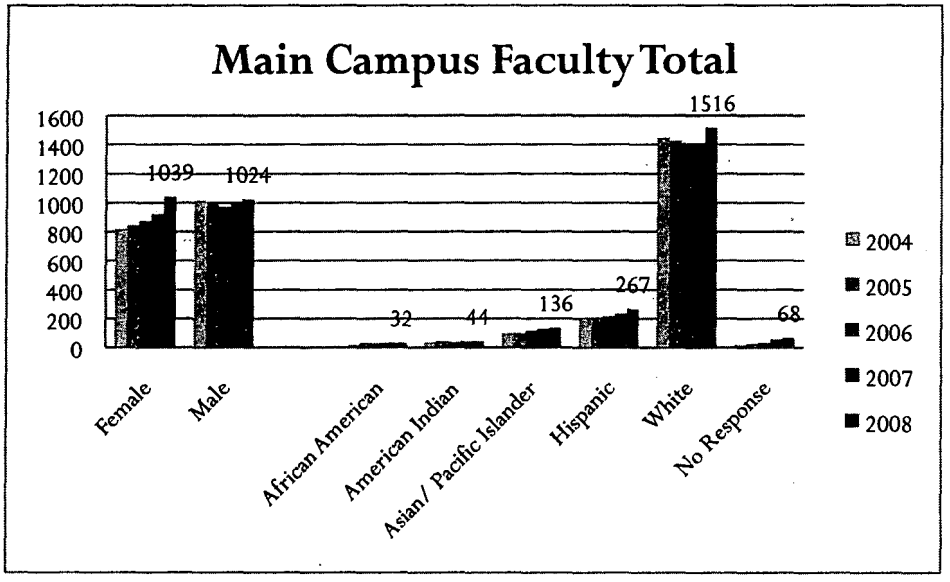
No Response	4	4	5	6	7
	2%	1%	2%	2%	2%
Total	261	274	279	293	307

Table 24. Total Temporary Faculty, Main Campus

Total Temporary Faculty, Main Campus

	2004	2005	2006	2007	2008
Female	379	390	418	420	517
	50%	53%	55%	53%	56%
Male	377	343	341	369	402
	50%	47%	45%	47%	44%
African American	10	14	13	14	10
	1%	2%	2%	2%	1%
American Indian	10	12	11	15	15
	1%	2%	1%	2%	2%
Asian/ Pacific Islander	41	41	51	49	48
	5%	6%	7%	6%	5%
Hispanic	79	75	88	104	138
	10%	10%	12%	13%	15%
White	606	576	579	568	662
	80%	79%	76%	72%	72%
No Response	10	15	17	39	46
	1%	2%	2%	5%	5%
Total	756	733	759	789	919

Graph 32. Main Campus Faculty Total



Faculty Demographics at Each Branch Campus

At each branch campus, faculty demographics are different; however, the majority of faculty members at each campus is white.

Table 25. Gallup: Total Tenure-Track Faculty

Gallup: Total Tenure-Track Faculty

	2004	2005	2006	2007	2008
Female	25	22	24	21	20
	54%	54%	59%	57%	57%
Male	21	19	17	16	15
	46%	46%	41%	43%	43%
African American				1	1
				3%	3%
American Indian	5	4	4	2	2
	11%	10%	10%	5%	6%
Asian/ Pacific Islander	2	3	3	3	2
	4%	7%	7%	8%	6%
Hispanic	3	2	2	1	1
	7%	5%	5%	3%	3%
White	36	32	31	29	28
	78%	78%	76%	78%	80%
No Response			1	1	1
			2%	3%	3%
Total	46	41	41	37	35

Graph 33. All Gallup Faculty

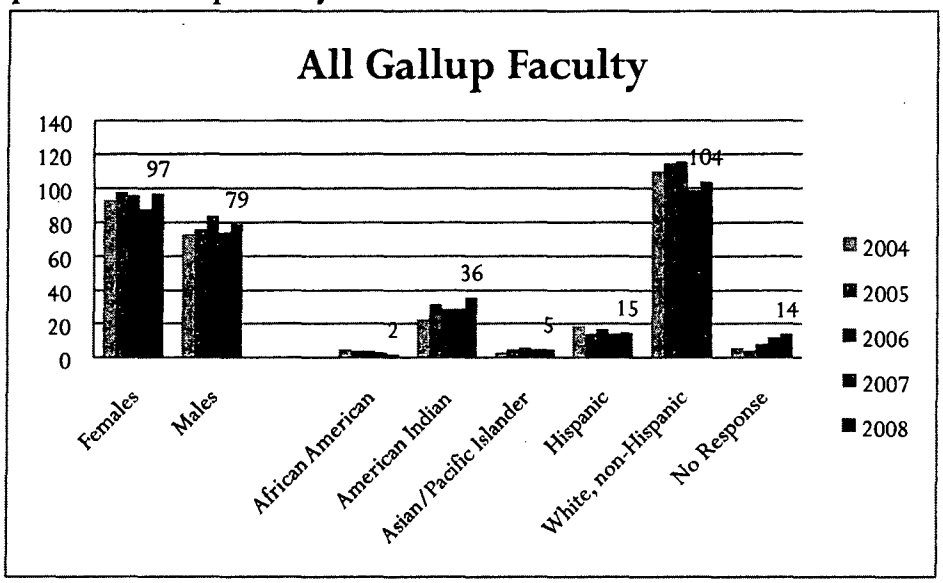


Table 26. Gallup: Total Non-Tenure-Track Faculty

Gallup: Total Non-Tenure-Track Faculty

	2004	2005	2006	2007	2008
Female	14	14	16	19	18
	52%	50%	55%	54%	55%
Male	13	14	13	17	15
	48%	50%	45%	49%	45%
African American			1		
			3%		
American Indian	3	4	4	7	7
	11%	14%	14%	20%	21%
Asian/ Pacific Islander					
Hispanic	4	2	2	4	3
	15%	7%	7%	11%	9%
White	20	22	21	22	21
	74%	79%	72%	63%	64%
No Response			1	2	2
			3%	6%	6%
Total	27	28	29	35	33

Table 27. Gallup: Total Temporary Faculty

Gallup: Total Temporary Faculty

	2004	2005	2006	2007	2008
Female	54	62	56	48	59
	58%	59%	51%	54%	55%
Male	39	43	54	41	49
	42%	41%	49%	46%	45%
African American	5	4	3	2	1
	5%	4%	3%	2%	1%
American Indian	15	24	21	20	27
	16%	23%	19%	22%	25%
Asian/ Pacific Islander	1	2	3	1	3
	1%	2%	3%	1%	3%
Hispanic	12	10	13	9	11
	13%	10%	12%	10%	10%
White	54	61	64	48	55
	58%	58%	58%	54%	51%
No Response	6	4	6	9	11
	6%	4%	5%	10%	10%

Total	93	105	110	89	108

Table 27. Los Alamos: Total Tenure Track Faculty

Los Alamos: Total Tenure-Track Faculty

	2004	2005	2006	2007	2008
Female					1
					50%
Male				1	1
				100%	50%
African American				1	1
				100%	50%
American Indian					1
					50%
Total				1	2

Table 28. Los Alamos: Total Non-Tenure-Track Faculty

Los Alamos: Total Non-Tenure-Track Faculty

	2004	2005	2006	2007	2008
Female	11	11	10	10	10
	58%	61%	63%	77%	71%
Male	8	7	6	3	4
	42%	39%	38%	23%	29%
Hispanic	3	3	3	1	1
	16%	17%	19%	8%	7%
White	16	15	13	12	13
	84%	83%	81%	92%	93%
Total	19	18	16	13	14

Table 29. Los Alamos: Total Temporary Faculty

Los Alamos: Total Temporary Faculty

	2004	2005	2006	2007	2008
Female	49	55	63	58	78
	49%	54%	57%	56%	63%
Male	52	46	47	45	46
	51%	46%	43%	44%	37%
African American	3	2	1		
	3%	2%	1%	0%	
American Indian	2	2	2	3	4
	2%	2%	2%	3%	3%
Asian/ Pacific Islander	3	4	2	3	4
	3%	4%	2%	3%	3%
Hispanic	15	17	17	9	19
	15%	17%	15%	9%	15%
White	76	76	84	76	90
	75%	75%	76%	74%	73%
No Response	2	0	4	12	7
	2%	0%	4%	12%	6%
Total	101	101	110	103	124

Graph 34. Los Alamos Total Faculty

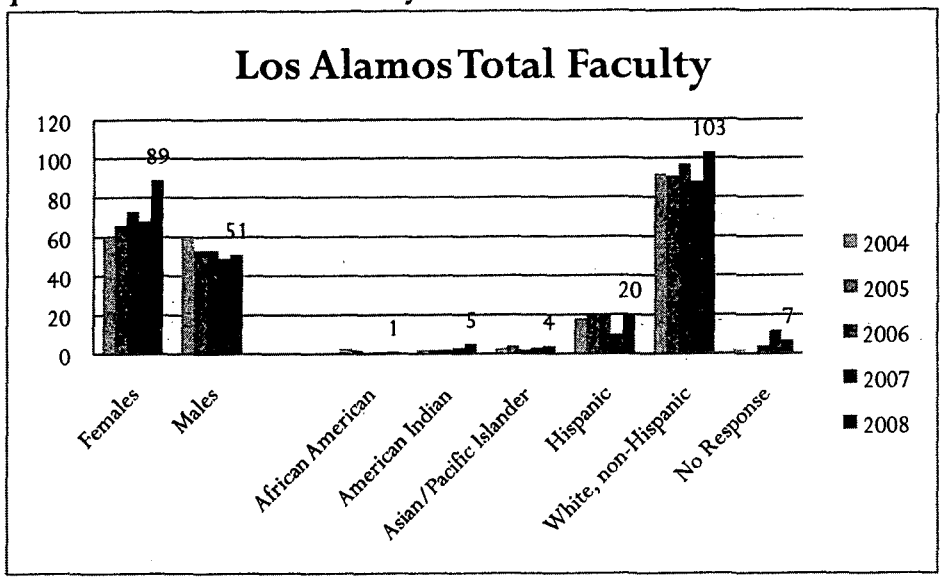


Table 30. Taos: Total Tenure-Track Faculty

Taos: Total Tenure-Track Faculty

	2004	2005	2006	2007	2008
Female			3	3	3
			33%	33%	30%
Male	1	1	6	6	7
	100%	100%	67%	67%	70%
African American			1	1	1
			11%	11%	10%
American Indian					
Asian/ Pacific Islander					
Hispanic			2	2	3
			22%	22%	30%
White	1	1	5	5	5
	100%	100%	56%	56%	50%
No Response			1	1	1
			11%	11%	10%
Total	1	1	9	9	10

Table 31. Taos: Total Non-Tenure-Track Faculty

Taos: Total Non-Tenure-Track Faculty

	2004	2005	2006	2007	2008
Female	5	4			0
	50%	44%			
Male	5	5	1	1	0
	50%	56%	100%	100%	
African American	1	1			
	10%	11%			
American Indian					
Asian/ Pacific Islander					
Hispanic	3	3	1	1	
	30%	33%	100%	100%	
White	5	4			
	50%	44%			
No Response	1	1			
	10%	11%			
Total	10	9	1	1	0

Table 32. Taos: Total Temporary Faculty

Taos: Total Temporary Faculty

	2004	2005	2006	2007	2008
Female	48	49	50	53	61
	56%	49%	50%	50%	54%
Male	37	50	51	52	51
	44%	51%	50%	50%	46%
African American	1	2	2	2	2
	1%	2%	2%	2%	2%
American Indian	3	3	3	3	3
	4%	3%	3%	3%	3%
Asian/ Pacific Islander	2	2	1	1	1
	2%	2%	1%	1%	1%
Hispanic	21	26	30	26	30
	25%	26%	30%	25%	27%
White	55	63	61	68	68
	65%	64%	60%	65%	61%
No Response	3	3	4	5	8
	4%	3%	4%	5%	7%
Total	85	99	101	105	112

Graph 35. All Taos Faculty

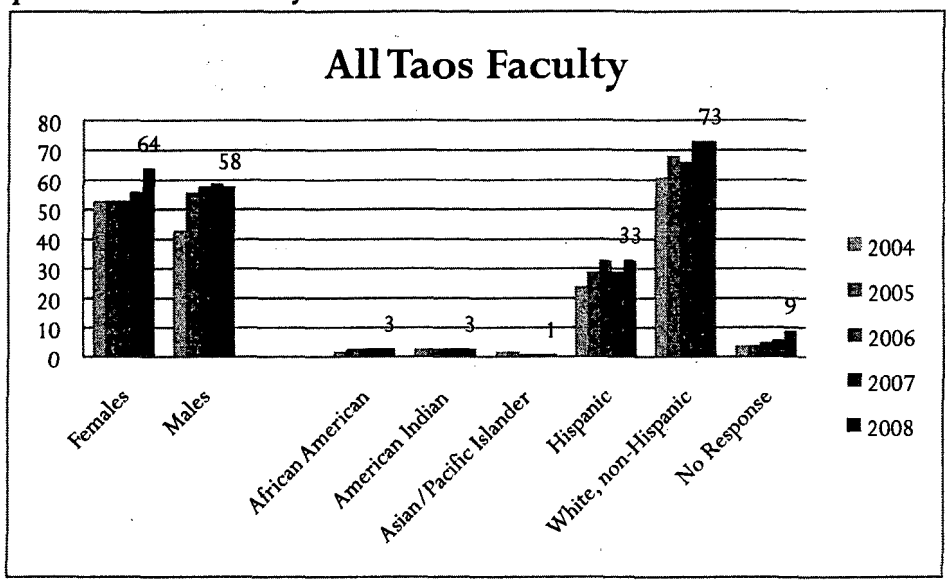


Table 32. Valencia: Total Tenure-Track Faculty

Valencia: Total Tenure-Track Faculty

	2004	2005	2006	2007	2008
Female	9	9	10	9	9
	60%	64%	63%	53%	53%
Male	6	5	6	8	8
	40%	36%	38%	47%	47%
African American					
American Indian		1	1	1	1
	0%	7%	6%	6%	6%
Asian/ Pacific Islander					
Hispanic	2	3	3	4	4
	13%	21%	19%	24%	24%
White	13	10	12	12	12
	87%	71%	75%	71%	71%
No Response					
Total	15	14	16	17	17

Table 33. Valencia: Total Non-Tenure-Track Faculty

Valencia: Total Non-Tenure-Track Faculty

	2004	2005	2006	2007	2008
Female	6	9	7	10	14
	60%	69%	58%	63%	70%
Male	4	4	5	6	6
	40%	31%	42%	38%	30%
African American					
American Indian					
Asian/ Pacific Islander					
Hispanic	2	3	4	5	6
	20%	23%	33%	31%	30%
White	8	10	8	10	13
	80%	77%	67%	63%	65%
No Response				1	1
				6%	5%

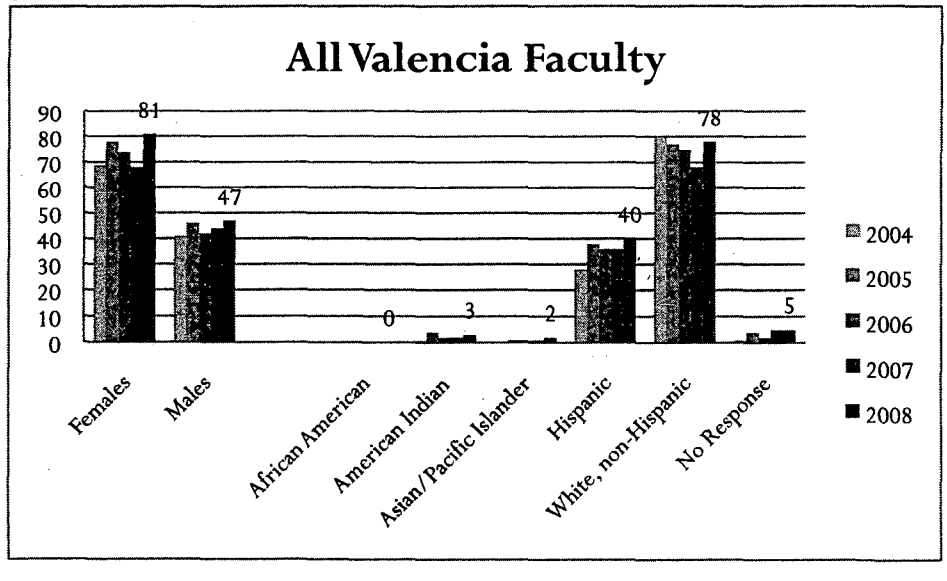
Total	10	13	12	16	20

Table 34. Valencia: Total Temporary Faculty

Valencia: Total Temporary Faculty

	2004	2005	2006	2007	2008
Female	**54**	**60**	**57**	**49**	**58**
	64%	62%	65%	62%	64%
Male	**31**	**37**	**31**	**30**	**33**
	36%	38%	35%	38%	36%
African American					
American Indian	**1**	**3**	**1**	**1**	**2**
	1%	3%	1%	1%	2%
Asian/ Pacific Islander		**1**	**1**	**1**	**2**
		1%	1%	1%	2%
Hispanic	**24**	**32**	**29**	**27**	**30**
	28%	33%	33%	34%	33%
White	**59**	**57**	**55**	**46**	**53**
	69%	59%	63%	58%	58%
No Response	**1**	**4**	**2**	**4**	**4**
	1%	4%	2%	5%	4%
Total	**85**	**97**	**88**	**79**	**91**

Graph 36. All Valencia Faculty



The branch campuses taken together have a more diverse faculty than Main Campus alone. Below are the demographics of the branch faculty taken together.

Table 35. Total Tenure, Tenure-Track Faculty at the Branches

Total Tenure, Tenure-Track Faculty at the Branches

	2004	2005	2006	2007	2008
Female	34	31	37	33	33
	55%	55%	56%	52%	52%
Male	28	25	32	33	31
	45%	45%	48%	52%	48%
African American	0	0	0	3	3
	0%	0%	0%	5%	5%
American Indian	5	5	5	3	4
	8%	9%	8%	5%	6%
Asian/ Pacific Islander	2	3	3	2	2
	3%	5%	5%	3%	3%
Hispanic	5	5	7	7	8
	8%	9%	11%	11%	13%
White	50	43	48	46	45
	81%	77%	73%	73%	70%
No Response	0	0	2	2	2
	0%	0%	3%	3%	3%
Total	62	56	66	63	64

Graph 37. Total Tenure, Tenure-Track Faculty at the Branches

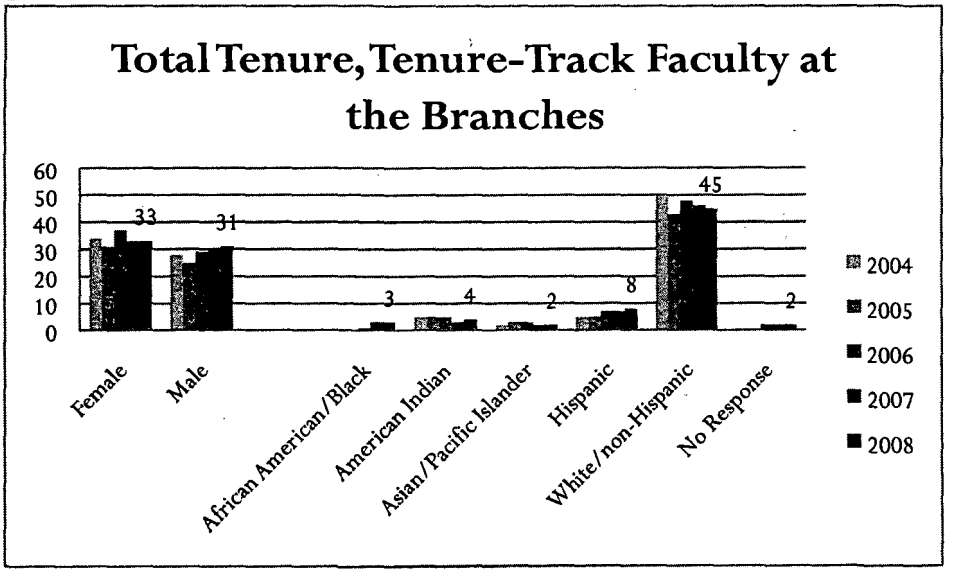


Table 36. Total Non-Tenure-Track Faculty at the Branches

Total Non-Tenure-Track Faculty at the Branches

	2004	2005	2006	2007	2008
Female	36	38	33	39	42
	55%	56%	57%	59%	63%
Male	30	30	25	27	25
	45%	44%	43%	41%	37%
African American	1	1	1	0	0
	2%	1%	2%	0%	0%
American Indian	3	4	4	7	7
	5%	6%	7%	11%	10%
Asian/ Pacific Islander	0	0	0	1	0
	0%	0%	0%	2%	0%
Hispanic	12	11	10	11	10
	18%	16%	17%	17%	15%
White	49	51	42	44	47
	74%	75%	72%	67%	70%
No Response	1	1	1	3	3
	2%	1%	2%	5%	4%
Total	66	68	58	66	67

Graph 38. Total Non-Tenure Track Faculty at the Branches

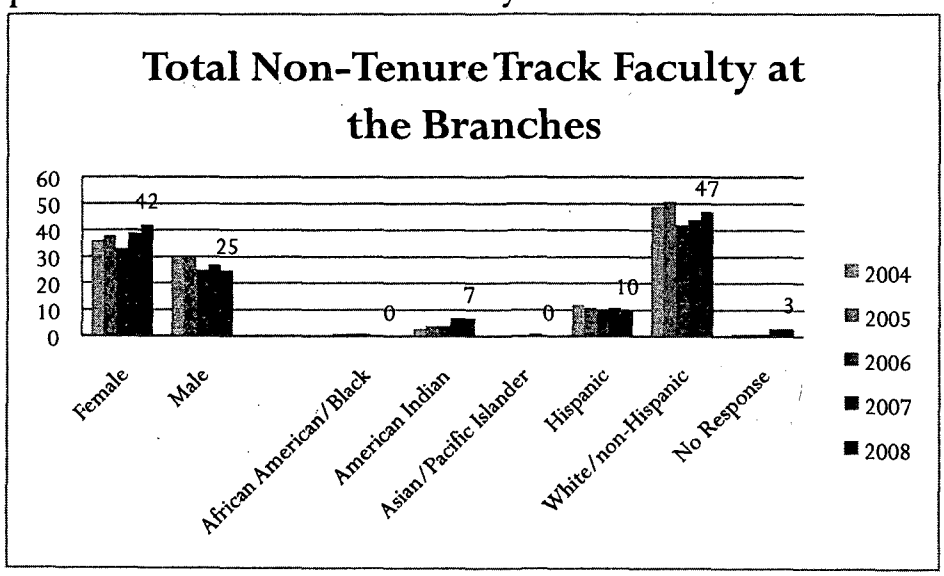
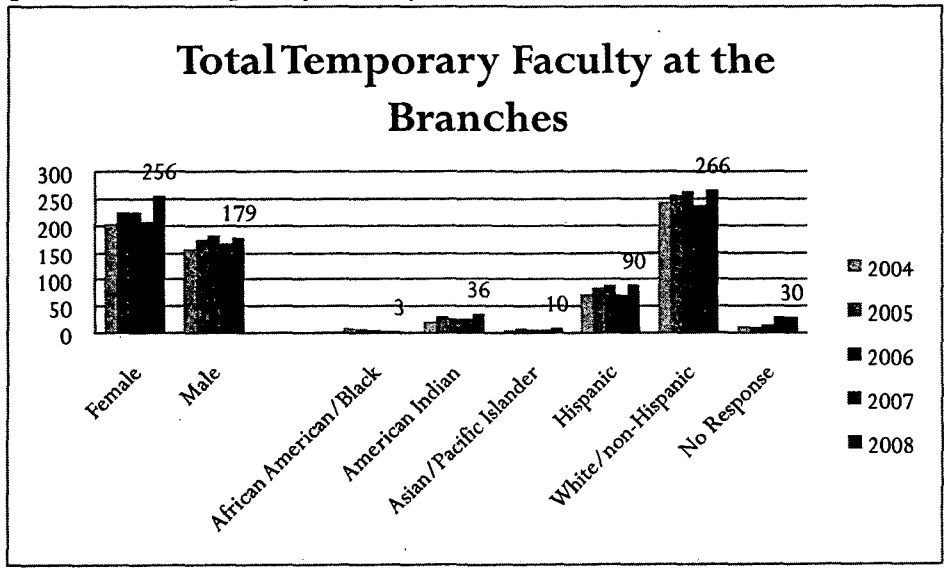


Table 37. Total Temporary Faculty at the Branches

Total Temporary Faculty at the Branches

	2004	2005	2006	2007	2008
Female	36	38	33	39	42
	55%	56%	57%	59%	63%
Male	30	30	25	27	25
	45%	44%	43%	41%	37%
African American	1	1	1	0	0
	2%	1%	2%	0%	0%
American Indian	3	4	4	7	7
	5%	6%	7%	11%	10%
Asian/ Pacific Islander	0	0	0	1	0
	0%	0%	0%	2%	0%
Hispanic	12	11	10	11	10
	18%	16%	17%	17%	15%
White	49	51	42	44	47
	74%	75%	72%	67%	70%
No Response	1	1	1	3	3
	2%	1%	2%	5%	4%
Total	66	68	58	66	67

Graph 39. Total Temporary Faculty at the Branches



Summary

Female students continue to outnumber male students in both undergraduate and graduate programs. Females also seem to be attending in higher numbers at all of the branch campuses. In addition, all ethnic groups have increased between 2004 and 2008, but the number of White, non-Hispanics, has decreased since 2005. UNM-Main Campus, UNM-Gallup, UNM-Taos, and UNM-Valencia continue to have a minority-majority student population.

Third semester retention rates for all groups are between 69% and 84%, however, graduation rates fall-off considerably and are between 29% and 47%. American Indian students demonstrate the lowest graduation rate. These figures indicate that greater retention efforts need to be made between the second year and graduation.

Staff demographic data indicate that White, non-Hispanics, are represented across all staff positions with the highest percentage evident in Executive/Administrative (faculty) positions and the lowest percentage in Service Worker positions. Hispanics are the next largest ethnic group represented across professions. A small percentage of Hispanics hold Executive/Administrative (faculty) positions and the highest percentages are in Service Worker roles. At around 25%, Hispanics are represented almost equally within Professional and Executive/Administrative (staff) positions. In comparison, the representation of African-Americans, American Indians, and Asian-Americans is small.

Seventy-three percent of UNM's faculty are White, non-Hispanic. Fifty-eight percent of the total tenure-track faculty are male and 42% are female. African-American and American Indian tenure-track faculty are represented at 2%, Asian/Pacific Islanders at 7% and Hispanics make up 11% of the faculty numbers. When non-tenure-track data are examined, male and female representation is equal. The percentages across ethnic/racial groups are fairly consistent with those of tenure-track faculty.

The data analyzed in this Report Card indicates that the goals of the Three-year Diversity Plan which includes the recruitment and retention of underrepresented faculty and staff are critically important to the University of New Mexico. While the representation of underrepresented students mirrors the state population, the workforce at the University does not.

Appendix F

Presentation to President's Strategic Advisory Team

Office for Equity and Inclusion
November 23, 2010

...diversity officers assist higher education to fully integrate diversity into the core of the academic mission and institutional functioning. Diversity efforts in higher education foster inclusive excellence and leverage the many dimensions of difference to positively impact work and learning environments. This requires intentional and ongoing engagement within the academic enterprise. It also includes students, faculty, staff, and administrators, as well as systems and structures such as strategic planning, curriculum, and academic and operational policies. (NADOHE, November 2010, Letter to Chronicle)

Background

The Office for Equity and Inclusion (Previously known as the Division of Institutional Diversity) was created in 2007 by President Schmidly. Establishing a unit that would focus on institution-wide diversity initiatives, equity and inclusion, provided opportunities for directed and strategic efforts in advancing the University's core value of diversity. **All of our peer institutions have an Office of Diversity and define diversity to include ethnicity, race, culture, language, gender, exceptionality, sexual orientation, gender identity, and religion. In addition, an institution-wide focus on diversity corresponds with the University's mission, vision and core values in serving a minority-majority state and nationally changing demographics, while responding to our accreditation organization's (Higher Learning Commission) requirements to address institutional diversity.** Institutional diversity initiatives in institutions of higher education must be inclusive in addressing faculty, staff, students, community engagement and campus climate.

Prior to the formation of the Office for Equity and Inclusion, **several task forces had been charged with addressing issues and concerns voiced by faculty, staff and students about the lack of attention to UNM's diversity.** The task forces included an American Indian Task Force, Hispanic Task Force, African American Task Force and Campus Climate Task Force. The concerns voiced by these groups were partially motivated by three hate/bias incidents that had occurred on and near the campus in 2006 through 2007.

In 2007, President Schmidly appointed an interim vice president for the Office of Institutional Diversity, Dr. Rita Martinez-Purson. Through her leadership a three-year diversity plan with eight goals were developed. These goals are presently being implemented by the Vice President for the Office for Equity and Inclusion. **The eight goals are broad and overarching (see Self-Study). They address: recruitment and retention of faculty, staff and students; professional and leadership development in creating greater awareness and response to diversity; creating a campus climate that is equitable, inclusive and**

responsive to all forms of diversity; demonstrating accountability for diversity initiatives; communicating about concerns, needs and the impact of the work being accomplished across campus; and building partnerships and collaboration within the university and externally in connecting the work to advance diversity, equity and inclusion.

In 2008, when the permanent VP for Equity and Inclusion came on board, a Diversity Plan was in place, a budget of $500,000 was made available (that sum has dwindled down to $434,709 with the budget cuts). In addition, **the units that would report to OEI were also already established. This included the Office of Equal Opportunity, African American Student Services, El Centro de la Raza, and American Indian Student Services. Neither, the Women's Resource Center, which addresses gender issues, nor Accessibility Resource Center, which addresses disability or exceptionality were placed under OEI, they remain under the organizational structure of the VP for Student Affairs.**

<u>Accomplishments and Challenges 2008-2009</u>

Early in 2008 discussions about impending budget cuts began. With the uncertainty of the budget, staff hiring was postponed until operational needs and the nature of cuts could be determined.

For one year the VP, administrative assistant and two graduate assistants began to roll out the diversity plan. This plan was broad and required the VP's attention to faculty, staff, student, campus climate, community partnerships and university-wide initiatives.

The first year, much focus was placed on the incorporation of the three Ethnic Student Services Centers and the Office of Equal Opportunity as partners in addressing diversity on the campus. The Office of Equal Opportunity would provide data and reports that would pinpoint issues that needed to be addressed. In addition, while the Ethnic Student Services Centers were direct service providers to underrepresented students, there was great opportunity for greater collaboration with the ethnic studies programs and other academic programs, with enrollment management, with programs under student affairs, and with other entities on campus and in the community. These collaborations could expand and enrich the offerings by the Ethnic Student Services Programs and become the nucleus for diversity initiatives on campus. In addition, programs existed within the Ethnic Centers that could serve as national models and receive external funding. This was especially important since the Ethnic Centers were not adequately funded through I&G and relied heavily on legislative funding. With the looming reduction in funding from the legislature, it became critical for the centers to consider other sources of funding. A consultant was hired by OEI to work closely with the Ethnic Student Services Centers to identify needs, provide information on best practices, and identify programs that could be funded. In addition, the Centers were directed to live within their budget. Previously, it was common for the Centers to request

additional funding for projects and programs from the Provost's, VPs' and President's Offices. This was no longer an option as resources were drying up everywhere. The first year, the VPOEI provided them with additional funding to support their efforts. Accountability measures, expected student outcomes and an assessment plan were also required of all three Ethnic Centers. The Office of Equal Opportunity as a compliance office had accountability measures clearly delineated.

The first year the VP began building partnerships across campus and in the community, established the Diversity Advisory Council, and forging relationships with student organizations.

The second semester of the first year a program specialist was hired and she was able to bring expertise in training to her work with OEI. She provided training to various groups across campus and also focused on forging OEI's relationship with faculty. Unfortunately, at the middle of the spring semester, she notified the VP that she was accepting a teaching position at CNM and she left at the end of the semester. This created a huge gap in building-on the momentum that had been created the first semester.

The following highlighted activities were **accomplished during the year**:

- **Wrote two grants** (e pluribus unum and Lumina)
- **Worked with enrollment management to establish** the first National American Indian **Merit Scholars Program** and to recruit more students into the Hispanic Scholars Programs
- Partnered with several entities on campus to **bring awareness and engage discussion on topics of diversity, gender equity, social justice and topics relevant to underrepresented faculty**
- Provided **outreach to branch campuses**
- **Developed the Diversity Report Card** as a reporting mechanism for race and ethnicity data on faculty, staff and students
- Established a **Hate/Bias Task Force** to develop a process for capturing and reporting hate/bias incidences on campus
- Developed the **Hate Incidence Reporting Document**
- Established a relationship with EOD to address **staff training on diversity** topics
- Researched practices by other institutions of higher education in the **recruitment and retention of underrepresented faculty and established best practices**
- Developed with OEO a **Faculty Hiring Toolkit** which serves as training and to inform faculty search committees about best practices in recruiting and hiring underrepresented candidates for faculty positions
- Began a **process to provide incentives for deans and department chairs in the hiring of underrepresented minorities and women** (funding was provided by a Regents' endowment and a one-time only allocation)

- Worked with Provost and Deputy Provost on **prioritizing equity and underrepresented/under-utilized minority hires** in the hiring plans submitted by deans
- Faculty Recruitment and Retention Efforts resulted in the following (see insert 1):
    - **3 retention efforts for underrepresented faculty (1 NA female, 2 AA females)**
    - **3 hires of underrepresented faculty (1 AA male, 2 NA males and 1 additional offer was extended for a NA male, but was not accepted)**

Accomplishments and Challenges 2009 to 2010

In the Spring of 2010 a program specialist was hired to assist the vice president in fundraising, grant-writing, training and other initiatives. After the second wave of cuts and a forecast that additional cuts were forthcoming, the program specialist was terminated during his probationary period because there was uncertainty as to whether the Office could sustain his position. Four Graduate Assistants were hired with accommodations on a semester-by-semester basis.

During 2009 to 2010 the VP continued to work with the Ethnic Centers to make progress with accountability and reporting measures. Advisortrack was being used by the College of Arts and Sciences, Athletics Department and University College to track advising, referrals and other student support activities. The VP negotiated the use of Advisortrack for the Ethnic Student Services Centers. In addition, a graduate assistant was hired to assist with the training and **implementation of Advisortrack with the Ethnic Centers.** Year-long planning, recoding the system to fit the Ethnic Centers needs and implementation of its use required the assistance of the graduate assistant and Rita Abeyta, the part-time Applications Support Specialist that is shared between OEI, OIR, and Faculty Contracts Office. The implementation of Advisortrack was critical in establishing a common database and data reporting system for the three Ethnic Centers, since reporting was unit specific and data had been inconsistent or nonexistent.

In order to further address faculty concerns, the VP **met with the Black Faculty Alliance, the Alliance for Faculty Diversity, American Indian Faculty Council, and the Southwest Hispanic Research Institute faculty associates.** As a faculty member, the VP was invited to join SHRI as an associate. These ties have allowed for greater interaction with faculty leaders and have informed the work of the Office for Equity and Inclusion as well as established next steps. Unfortunately, these faculty meetings do not occur regularly.

As co-chair of the Title V Steering Committee, the **VP began to integrate faculty development activities more fully into the work of OEI in collaboration with**

OSET and Title V. This would ensure institutionalization of many of the activities that would otherwise end, once the Title V grant ended.

The VPOEI became part of team in assisting with the formulation of the **Title V grant that would target underrepresented graduate student initiatives (grant was funded in fall 2010 and resides in OGS).**

A one-day Diversity Showcase was held to highlight diversity activities and programs on campus. Approximately 20 entities from main and north campus participated. In addition, presentations by faculty were held during the course of the day. This was the first time in over a decade that such an activity was held.

The First Annual Diversity Celebration and Fundraising Dinner was held and over 300 individuals attended. **The Presidential Luminaria Awards** were established and awarded to faculty, staff, students and community members/organizations who had demonstrated leadership in supporting diversity, equity, inclusion or social justice at UNM. Not only was this a celebration, it also was an opportunity for the University to take note of the work and partnerships that were actively promoting our institutional value of diversity.

The **Higher Learning Commission's evaluation recommendations** had indicated that a greater focus needed to be directed at the **recruitment and retention of African American students at UNM.** This recommendation led to the beginning of a plan that would direct these activities. The Provost's Office, OEI, the VP for Enrollment Management and Scott Carreathers, Director of African American Student Services, began developing the plan in August.

Sponsorship and support for student, staff and faculty activities promoting diversity continued throughout the year.

At the end of the spring 2010 semester, OEI supported a student proposal to establish a **Lesbian, Gay, Transgender, Bisexual and Questioning Resource Center (LGBTQRC).** Given the budgetary constraints of the Office for Equity and Inclusion, the Center was to be established with student fees and was developed for presentation to the Student Fee Review Board. The students rallied for the establishment of the center and it was ultimately approved by the Board of Regents (despite concerns about SFRB supporting new initiatives). The Center was viewed as a real victory for students and **through the establishment of the center, the LGBTQ faculty, staff and student population at UNM was now being served.** This has brought tremendous interest and collaborative opportunities with the community.

In the summer of 2010, a day and a half training session was presented by the VP to **train intake staff for the Hate/Bias Reporting Centers.** The training included information on the definitions, the law and the UNM reporting procedures. Intake Centers to report any hate/bias incidence on campus had been designated in the

Hate/Bias Incidence Reporting Procedures. These included El Centro, AASS, AISS, OEO, Title V, Women's Resource Center, the Police Department, the LGBTQ Resource Center, Health Sciences Center and OEI. Staff from all of the Intake Centers was trained during the training session.

Training on the Faculty Hiring Toolkit continued through the Office of Equal Opportunity. Through more deliberate attempts at diversifying the faculty and with the incentives that were being provided the following **faculty hires were made:**

- **1 AA/female was hired in Architecture and Planning**
- **1 female equity hire was made in electrical engineering**
- **1 Hispanic/male was hired in psychology**
- **1 NA/female was hired in American Studies**
- **2 Hispanic females were hired, one in sociology and one in computer science**
- **2 Hispanic males were hired, one in business administration and the other in Spanish & Portuguese**

As a recruitment strategy for underrepresented faculty, **a post-doctoral fellowship program was developed and advertised in the spring.** It yielded 35 applications from across the country.

The NMHED Minority Loan for Service Program was brought under the Office for Equity and Inclusion. This allows the University to identify stellar underrepresented graduate student to go elsewhere to receive their doctorates and return to UNM as tenure-track faculty.

<u>Accomplishments and Challenges Fall 2010</u>

One of the greatest accomplishments of this semester has been the establishment of the Diversity Post Doctoral Fellows Program. **Three Post Doctoral Fellows were selected with the assistance and collaboration of a committee appointed by Faculty Senate: Dr. Jessica Metcalf, Chippewa from North Dakota (Department of Anthropology and Native American Studies); Dr. Olivia Navarro-Farr, Mexican American from Texas (Department of Anthropology); and Dr. Charles Becknell, African American from UNM (Department of Language Literacy and Sociocultural Studies and Africana Studies).** These individuals have brought tremendous energy and expertise to their academic departments. As they work on their research agenda they are mentoring students, building their academic portfolio and presenting their research.

The rest of this year's projects can be more explicitly reviewed in **Appendix B** of the self-study (see attached).

<u>Pros and Cons of Merging with Enrollment Management or Student Affairs</u>

Pros

- **Application versus yield of students of color applicants** could be more closely monitored and addressed through the Ethnic Centers
- **Recruitment and relationship-building activities of the Ethnic Centers** would be more closely aligned with the efforts of enrollment management
- There could be **greater collaboration with student affairs programs that address the needs of underrepresented students** such as Trio, Ron McNair, CEP, etc.
- **Diversity programs that were previously initiated by Student Affairs to fill a void would become part of an institutional movement to address diversity** rather than hanging in isolation and without any real ties to institutional effectiveness or institutional change toward diversity, equity, inclusion or social justice.
- **Transfer initiatives to address branch campus transfer** of their predominantly underrepresented students could become more targeted.
- **Student focused activities could be supported** through Student Affairs.
- The Office of Student Affairs' more abundant budget would greatly benefit the support of **student activities tied to diversity and their impact could be monitored and evaluated over time.**
- There would be **greater progress overall on the recruitment and retention of underrepresented students** because the focus would be deliberate and data-driven.

Cons

- **Faculty, staff and university-wide diversity initiatives would be lost.** In order to create inclusive excellence, CDOs must incorporate academic affairs and staff. Many of the initiatives that will support student success require knowledge of academic affairs and integration of academic affairs in those efforts, i.e., more inclusive pedagogy, cultural competence in the curriculum, research opportunities that engage the interest of students of color, research that involves communities of color, community engagement that is embedded in academic programs, etc.
- **Nationally, none of the Offices of Diversity or CDOs are integrated with enrollment management or student affairs**, they may be coupled with community engagement, but they are typically stand-alone units that work collaboratively across the institution and collaborate with Student Affairs and Enrollment Management on issues pertaining to students. These collaborative efforts are already occurring with Enrollment Management.
- **Accreditation agencies require that diversity become firmly embedded across all sectors of the institution**, not just student affairs and enrollment management. While no one can disagree that students are our primary interest, institutional valuing of diversity is much broader than those focused

on service to students because academics will impact student recruitment, retention and success, as will campus climate.

- **University-wide training and professional development opportunities around diversity would not have as broad a scope or would be non-existent** in enrollment management and student affairs. While OEI can bring such targeted training to EM or SA, the broader scope and dialogue necessary to address the myriad of topics in the diversity, equity and inclusion area could not be carried out by EM or SA because it is not part of their function.
- **The Equity Scorecard and other measures that address institutional progress toward diversity would not have a place** in EM or SA.
- **Faculty hiring efforts that focus on diversifying our faculty would not be part of the role** of EM or SA.
- **Development activities to support broad diversity initiatives would not be part of the activities** for either EM or SA.

A Sampling of the Work that Still Needs to Be Done

- National trends indicate that institutions of higher education will continue to see an increase in minority populations (ACE, Minorities in Higher Education, 2010; also see November 21 NADOHE letter to the Chronicle). At UNM all diverse ethnic groups are increasing while White/Non-minority students are decreasing. **As an institution we will continue to be faced with creating an environment that will ensure the success of an increasingly diverse student population.** This is not exclusively the role of student affairs, but necessitates a coordinated effort with an understanding of diversity and involves academic affairs, faculty, staff and programs across the institution.
- While the undergraduate student representation is closer to the ethnic representation in the state, the graduate student numbers are much lower. **A concerted effort will need to be made to recruit more underrepresented students into graduate programs** in order build the pipeline for representation in careers (this includes faculty).
- Freshman retention rates are not bad for underrepresented students (AA 75%, AI 69%, H 76%), however, graduation rates are extremely low (AA 34%, AI 29%, H 41%). **Efforts have to be made to retain students between their 2nd and 4th years.**
- **Staff at higher ranks are not very diverse.** Seventy-three percent are White/Non-minority. This will need to be examined more closely.
- **Greater efforts will need to be made to connect underrepresented transfer students to UNM** early in their programs.
- **Extended University will need to expand degree offerings to the Branch Campuses if we are to capture place-bound underrepresented students.**
- UNM is unique as a Hispanic Serving Institution with a Research Extensive Carnegie designation and a medical and law school. **We should lead the**

country in degrees awarded to Hispanics and American Indians in many more disciplines.

- **We need to continue our efforts to attract and retain underrepresented tenure-track faculty and women.** We presently have 2% AA, 2% AI, 12% Hispanic, 8% Asian/PI, 74% White. There is greater gender balance, however, in some departments there is great disparity in gender representation.
- **More females are non-tenure track than males. We need to examine this disparity** to determine whether inequitable practices are creating this difference.
- At some institutions of higher education, greater involvement and communication about diversity work is accomplished by presidential commissions (LGBT, People of Color, Status of Women, Status of People with Disabilities). **OEI needs to develop university-wide mechanisms for involvement and communication.**

ANNUAL REPORT
OFFICE OF EQUITY & INCLUSION
AMERICAN INDIAN STUDENT SERVICES
JULY 1, 2009 – JUNE 30, 2010

PREPARED BY:
PAMELA AGOYO, DIRECTOR

I. DEPARTMENT MISSION

II. 2009/10 DEPARTMENT GOALS

III. PROGRAMS AND SERVICES

IV. DIRECTOR & STAFF COMMITTEE PARTICIPATION

V. STATISTICAL OVERVIEW

VI. PROPOSED 2010/2011 DEPARTMENT GOALS

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ANNUAL REPORT
AMERICAN INDIAN STUDENT SERVICES
JULY 1, 2009 – JUNE 30, 2010

PREPARED BY:
PAMELA AGOYO, DIRECTOR

I. DEPARTMENT MISSION

AMERICAN INDIAN STUDENT SERVICES (AISS) SUPPORTS THE EMPOWERMENT OF TRIBAL CITIZENS AND STRIVES TO ENHANCE THE QUALITY OF LIFE IN INDIGENOUS COMMUNITIES BY PRODUCING QUALITY ACADEMIC AND STUDENT SUPPORT SERVICES, MEANINGFUL CULTURAL PROGRAMMING, AND DISTINCTIVE CONSTITUENT RELATIONSHIPS. AISS PROVIDES STUDENT SUPPORT SERVICES FOR AMERICAN INDIAN STUDENTS ATTENDING THE UNIVERSITY OF NEW MEXICO-MAIN CAMPUS IN AN EFFORT TO ENSURE ACADEMIC ACHIEVEMENT AND ASSIST IN THE DEVELOPMENT OF PERSONAL, CULTURAL, AND SOCIAL SUCCESS. AISS'S PRIMARY FOCUS IS ON DIRECTLY IMPACTING THE RECRUITMENT AND RETENTION OF AMERICAN INDIAN STUDENTS ATTENDING THE UNIVERSITY OF NEW MEXICO-MAIN CAMPUS AND PROVIDING A SUITE OF GENERAL OPERATING FUNCTIONS INCLUDING, BUT NOT LIMITED TO:

- ACADEMIC ADVISEMENT
- COMMUNITY & SERVICE-LEARNING OPPORTUNITIES
- COMPUTER & PRINTING POD
- CRISIS INTERVENTION
- CULTURAL PROGRAMMING
- FINANCIAL AID & SCHOLARSHIP ADVISEMENT AND ASSISTANCE
- LEADERSHIP DEVELOPMENT
- LISTSERV & SOCIAL MEDIA ANNOUNCEMENTS
- MENTORSHIP
- RECRUITMENT & OUTREACH PROGRAMS
- SOCIAL EVENTS
- STUDENT ADVOCACY
- TUTORING
- UNM CHARTERED NATIVE STUDENT ORGANIZATION SUPPORT/ASSISTANCE
- VOLUNTEERISM

AMERICAN INDIAN STUDENT SERVICES COORDINATES AND LEADS NUMEROUS CONSTITUENT INITIATIVES THROUGH:

- SERVING AS A LIAISON FOR AMERICAN INDIAN STUDENTS ATTENDING LOCAL HIGH SCHOOLS AND SCHOOLS LOCATED ON OR NEAR TRIBAL RESERVATIONS AS WELL AS PROSPECTIVE TRANSFER STUDENTS ATTENDING NEW MEXICO TRIBAL AND COMMUNITY COLLEGES.
- COORDINATING AND IMPLEMENTING INFORMATION UPDATES AND PROFESSIONAL DEVELOPMENT SEMINARS FOR AND WITH NEW MEXICO TRIBAL HIGHER EDUCATION COMMISSION DIRECTORS.
- PROVIDING REGULAR AND MEANINGFUL CONSULTATION AND COLLABORATION WITH NEW MEXICO TRIBAL LEADERS.
- MANAGEMENT OVERSIGHT OF THE AWARDING OF THE UNM-MOU TUITION SCHOLARSHIP INITIALLY CREATED IN 1994 BY THE ESTABLISHMENT OF A MEMORANDUM OF UNDERSTANDING BETWEEN NEW MEXICO TRIBES AND THE UNIVERSITY OF NEW MEXICO.

II. 2009/10 Department Goals

- Increase the number of participants in the American Indian Summer Bridge (AISB) Program by a minimum of 10% from the previous year.
  Assessment/Results: Twenty-five applicants were provisionally accepted initially however, nine were eventually declined due to insufficient ACT and COMPASS Scores, and an additional two students ultimately determined participation would not be possible due to other commitments. The 2010 AISB cohort consisted of 14 students representing 16 tribes, and 9 New Mexico High Schools. Students were enrolled in and completed the following courses: Engl 298: Workshops in Literature and Writing, NATV 150: Introduction to Native American Studies, Math 120: Intermediate Algebra, and Math 106: Intermediate Algebra Math Lab. The average grade point average of the 2010 cohort was 3.67.

- Increase the number of participants in the AISS Sidekicks Mentoring Program by a minimum of 10% from the previous year.
  Assessment/Results: The 2009-10 Sidekicks cohort consisted of Sixty-two (62) students representing 16 tribes, 5 states, 25 academic majors, 26 student organizations and ranging in age from 17 to 36. This represents a 13% increase from the previous year.

- Expand collaborative efforts with the Center for Academic Program Support (CAPS) to enhance existing programmatic initiatives and develop professional development opportunities
  Assessment/Results: A formal partnership was initiated in August 2009 and resulted in AISS serving as a satellite operation for the Center for Academic Program Support (CAPS) Writing and Navajo Language Drop-in Tutoring. The AISS Computer Labs provide additional support to CAPS by having Navajo Font, Navajo Diction Software, and Navajo Sentence Machine Software available as a supplemental resource. Additional Math Hard Science and Math tutoring was added in January 2010. During the 2009-10 academic year, AISS recorded 1616 student visits specifically for tutoring and study support services.

- Fill the existing Pre-Major Advisor vacancy and establish an expanded comprehensive advisement plan for the academic year.
  Assessment/Results: The search process began in Late July 2009 and concluded with the selected candidate assuming their duties on September 8, 2009.

- Continue fundraising efforts for the AISB and American Indian Student Retention Endowment
  Assessment/Results: profits from the 4th Annual Uniting Native Minds Golf Tournament exceed its $40,000 target goal. A total of $42,000 was added to the endowment in June 2010.

- Collaborate with Education associations & organizations to secure hosting and coordinating opportunities fir national Indian conferences and/or professional development opportunities on the UNM campus.
  Assessment/Results: AISS was successful in securing the organizing and host responsibilities for the 2010 College Board Native American student Advocacy Institute on April 19-20, 2010. The initiative was designed to identify the challenges faced by American Indian students and showcase best practices across the country that demonstrate existing opportunities in the creation of new pathways for success. Over 300 attendees from 32 states comprised of researchers; policymakers and educational practitioners; and representatives from K-12 schools, two-year colleges, tribal colleges, and four-year institutions collaborated and shared effective strategies to support American Indian students in higher education. The 2010 NASAI Conference was the largest gathering of this particular College Board effort and provided UNM significant national exposure. AISS Director Pam Agoyo served as National Co-Chair of the event and will also serve in the same capacity for the 2011 NASAI Conference at the University of Oklahoma.

- Expand support Services and programming for UNM chartered American Indian student organizations
  Assessment/Results: the implementation of monthly organizational and update meeting between AISS and UNM Native student chartered organizations resulted in increased opportunities to collaborate on special projects including, but not limited to: American Indian Heritage Month, American Indian Night efforts with UNM Athletics, and Nizhoni Week event. Chartered organizations include: Alpha Pi Omega, Inc. (APIO), American Indian Business Association (AIBA), American Indian Business Leaders (AIBL), American Indian Council of Architects & Engineers (AICAE), American Indian Science & Engineering Society (AISES), Beta Sigma Epsilon Fraternity (BSE), Diné of UNM, KIVA Club, Native American Law School Association (NALSA), Native American Studies Indigenous Research Group (NASIRG), Native Health Initiative (NHI), Society of Native American Graduate Students (SNAGS), and Society of Native American Health Professional Students (SNAHPS).
- Continued development of engagement with UNM American Indian Alumni
  Assessment/Results: Approximately sixty (60) American Indian Alumni volunteered and participated in several AISS programming efforts throughout the academic year including, but not limited to: the American Indian Summer Bridge Program, Sidekicks Mentoring Program, Nizhoni Week Activities, and the Uniting Native Minds Golf Tournament.

III. Programs and Services

AISS Student Database & listserv – Tracking Native students visiting, accessing and utilizing AISS services and/or participating in cultural programming & events is critical. The maintenance of the AISS listserv is of paramount importance as it has proven to be the most useful means of facilitating consistent communication with the UNM Native student body. Student data information profiles are updated at the start of each semester by students utilizing AISS.

AISS Website – Communication and outreach initiatives via the department's website have been significantly enhanced during the course of the year. Specifically, expanding on-line applications for the American Indian Summer Bridge Program, the Sidekicks Mentoring Program, American Indian Junior Day, and the AISS Graduation Program have proven to be extremely effective in reaching a broader applicant pool and positively affecting public relations and communication operations. The completion of specialized training modules by all staff members specific to website layout, content, and security components has been invaluable to the on-going development and maintenance of site as it has created numerous opportunities to engage Higher Education entities and organizations outside UNM in collaborative efforts.

General Scholarship Selection – AISS manages and oversees the selection and awarding of UNM General Scholarships funded by endowments earmarked and established to support Native students. Those endowments include the: Elva Benson Memorial, Hartley B. Dean Memorial, William Denman Endowment, Mary Taylor-Dose & Daniel Dose Endowment, Esther D. Morin Endowment, Dorothy Hatch Fund, Louise E. Johnson Memorial, Grace L. Leehmuis Endowment, Marguerite Drum Memorial, Mattison Memorial, Myrtle Okey Memorial, John B. Schneid Memorial, and the Gerald Wilkinson Memorial. Ninety-Seven (97) awards totaling $166,800 were made from an applicant pool of 120 students for the 2009-10 academic year.

UNM-MOU Tuition Waiver Awards – AISS manages and oversees the awarding of the UNM-MOU tribal Tuition Waiver initially created by the establishment of a memorandum of understanding between the 22 New Mexico Tribes and the University of New Mexico in 1994. New Mexico Tribal higher Education Directors and Tribal leaders nominate award recipients. AISS confirms eligibility and academic progress for award recipients.

American Indian Summer Bridge Program – Fourteen (14) students representing sixteen (16) Tribal nations and nine (9) New Mexico high schools were selected from an eligible student pool of approximately150 to participate in the 2010 AISB Program. Changes in the academic course offerings from the previous year impacted both the recruitment cycle and the final selection of participants. All participants successfully completed the program; with the average GPA for the 2010 cohort being 3.67. Two hundred fifty-one (251) students representing forty-six (46) tribes from eleven (11) states have participated in the program since its inception in June 1999.

Sidekicks Mentoring Program – This program provides peer support for students wishing to enhance their academic success and promote service and volunteerism within UNM and local tribal communities. Participants either serve as a mentor for incoming freshman or sophomore students or as a mentee under the guidance of a student of junior, senior or graduate status. Academic enrichment activities, events and seminars; UNM and community service events; leadership development initiatives; health and wellness events; socials; and cultural programming comprise the programmatic strands Sidekicks engage in on a consistent basis. During the 2009-10 academic year, sixty-two (62) students representing twenty-six (26) UNM student organizations, twenty-five (25) academic majors, and sixteen (16) tribes participated in the program. Since the inception of the program in 2007, 235 students representing 26 tribes and 26 academic majors have completed 758 total hours of service including:

- 103 hours: leadership development seminars
- 60 hours: academic/scholarship & financial aid advisement
- 201 hours: community service
- 96 hours: study group/tutoring sessions
- 123 hours: chartered student organization meetings & service
- 175 hours: networking/community building

American Indian Heritage Month – November 2009 marked the inaugural establishment of this new initiative designed to present educational, social, cultural, and artistic programming to celebrate the heritage of first Americans. The month-long effort resulted in collaborations between AISS, Native American Studies, chartered UNM American Indian student organizations, and various departments campus-wide that engaged the University community in learning and discovering more about the Indigenous experience and perspective.

UNM Recognition Reception – This annual event affords AISS the opportunity to recognize and honor students selected as recipients of the Outstanding American Indian Student Service Award and the American Indian Emerging Lobo Award in conjunction with the Dean of Students UNM Recognition Reception. The awards commend UNM Native students committed to serving the community at large. Recognition is based on awardee accomplishment and achievement in the areas of: leadership; participation in campus activities and organizations; academics; and service to Native organizations and tribal communities. This year's Annual Awards and Recognition Ceremony was held on April 15, 2010.

AISS Faculty & Staff Apreciation Award – this effort was established to recognize the positive influence of UNM Faculty and Staff members on student university experiences in the areas of: mentoring; teaching & instruction; advisement; advocacy; research; student support; leadership and scholarship opportunities. Forty-three (43) faculty and staff members were nominated and honored at a public reception held on April 22, 2010.

AISS Transfer Student orientation Program – An extensive support program developed for native students transferring to the UNM-MAIN Campus from branch campus sites, Tribal Colleges, and other colleges and universities remains a primary focus of outreach efforts extended this important student population. AISS participates in UNM's Transfer On-site Programs and in the Annual UNM Transfer Day

PROGRAMMING AS PART OF ITS RECRUITMENT EFFORT THROUGHOUT THE ACADEMIC YEAR TO SECURE STUDENTS ATTENDANCE AND PARTICIPATION IN THE AISS TRANSFER STUDENT ORIENTATION PROGRAM. AISS ALSO COLLABORATES WITH THE DEAN OF STUDENTS OFFICE FOR THE TRANSFER & NON-TRADITIONAL (TNT) ORIENTATION PROGRAM TO INTRODUCE NEW STUDENTS TO AISS SERVICES. THIRTY-FOUR (34) STUDENTS PARTICIPATED IN 2009-10 AISS TRANSFER ORIENTATION PROGRAMMING.

AMERICAN INDIAN JUNIOR DAY – INVITING JUNIORS FROM ALL NEW MEXICO HIGH SCHOOLS THE UNM CAMPUS FOR A DAY-LONG PROGRAM DESIGNED TO INFORM AND ASSIST PROSPECTIVE STUDENTS WITH COLLEGE PREPARATION, ADMISSIONS, SCHOLARSHIP OPPORTUNITIES, AND CAMPUS LIFE/RESOURCES REMAINS A PRIORITY FOR THE DEPARTMENT. AMERICAN INDIAN JUNIOR DAY WAS HELD ON APRIL 21, 2010; WITH APPROXIMATELY 327 HIGH SCHOOL STUDENTS, 72 UNM STUDENT VOLUNTEERS, 9 UNM CHARTERED AMERICAN INDIAN STUDENT ORGANIZATIONS; AND 23 UNM DEPARTMENTS PARTICIPATING IN THE EVENT. AN ON-LINE CONFIRMATION PROCESS ESTABLISHED FOR USE BY HIGH SCHOOL PERSONNEL ON THE AISS WEBSITE FOR THE INITIATIVE THAT PROVES TO BE AN EFFECTIVE MEANS OF CONNECTING WITH A BROADER AUDIENCE AND SIGNIFICANT PARTICIPANT INCREASES.

NIZHONI WEEK ACTIVITIES – AISS SUPPORTS UNM'S FOURTEEN (14) CHARTED AMERICAN INDIAN STUDENT ORGANIZATIONS IN THE COORDINATION OF NIZHONI WEEK FESTIVITIES; TRADITIONALLY HELD IN APRIL OF EACH ACADEMIC YEAR. NIZHONI WEEK WAS ESTABLISHED TO CELEBRATE, HONOR, AND RECOGNIZE THE UNIVERSITY NATIVE COMMUNITY. EVENTS CONDUCTED DURING THE WEEK-LONG CELEBRATION FROM APRIL 19–25, 2010 INCLUDED SOCIAL & CULTURAL GATHERINGS, BROWN BAG LECTURES, FILM SCREENINGS, ART SHOWS & CONCERTS; A GUEST SPEAKER SERIES, AISS STAFF FACULTY & STAFF APPRECIATION AWARD RECEPTION, THE MISS INDIAN UNM PAGEANT, THE MUTTON KING CONTEST, AND THE KIVA CLUB ANNUAL POW WOW. AISS HAS PRIMARY RESPONSIBLE FOR ORGANIZING AND PRESENTING THE MISS INDIAN UNM PAGEANT TO THE UNM COMMUNITY– THIS YEAR'S APRIL 19, 2010 PAGEANT, WAS CO-SPONSORED WITH BETA SIGMA EPSILON FRATERNITY. THE MUTTON KING CONTEST, HELD ON APRIL 21, 2010 WAS A COLLABORATIVE EVENT BETWEEN AISS AND ALPHA PI OMEGA SORORITY, INC.

AMERICAN INDIAN NIGHT AT LOBO FOOTBALL/BASKETBALL – IN PARTNERSHIP WITH UNM ATHLETICS AND THE OFFICE OF THE PRESIDENT, AISS COORDINATES TWO EVENTS ANNUALLY TO HONOR NEW MEXICO TRIBAL LEADERS IN RECOGNITION OF THEIR CONTRIBUTIONS TO THE UNIVERSITY. BOTH EVENTS INCLUDE A SPECIALIZED PRE-GAME RECEPTION, WITH PUBLIC HALF-TIME RECOGNITION FOR THE FOOTBALL GAME AND PUBLIC PRE-GAME RECOGNITION FOR THE BASKETBALL GAME. AMERICAN INDIAN NIGHT AT LOBO FOOTBALL WAS HELD ON SEPTEMBER 26, 2009. THE AMERICAN INDIAN NIGHT AT LOBO BASKETBALL EVENT WAS HELD ON FEBRUARY 20, 2010.

UNITING NATIVE MINDS GOLF TOURNAMENT –THE 4TH ANNUAL UNITING NATIVE MINDS GOLF TOURNAMENT, HELD ON JUNE 18, 2010 AT UNM'S CHAMPIONSHIP GOLF COURSE, DEMONSTRATED ON-GOING SUCCESS INITIALLY ESTABLISHED BY THE INAUGURAL EVENT IN JUNE 2007. THE ANNUAL EVENT WAS ESTABLISHED TO CONTINUE FUNDRAISING EFFORTS FOR THE AMERICAN INDIAN SUMMER BRIDGE PROGRAM AND THE AMERICAN INDIAN STUDENT RETENTION ENDOWMENT. SKY CITY BUSINESS ENTERPRISES, PUBLIC SERVICE COMPANY OF NEW MEXICO, AND FLINTO CONSTRUCTIVE SOLUTIONS SERVED AS THE 2010 PREMIERE SPONSORS. FORTY-SEVEN (47) SPONSORS/PARTNERS WERE SECURED, RESULTING IN A FUNDRAISING SUCCESS OF $42,000.

FINANCIAL NEED ANALYSIS PROCESSING – AMERICAN INDIAN STUDENTS APPLYING FOR TRIBAL SCHOLARSHIP SUPPORT ARE REQUIRED TO COMPLETE AN ADDITIONAL PROCESS IN SECURING FINANCIAL AID RESOURCES THAT IS MANDATED FOR NO OTHER STUDENT POPULATION. WHILE AISS ESTABLISHED AN AGREEMENT WITH THE DIVISION OF ENROLLMENT MANAGEMENT (SPECIFICALLY STUDENT FINANCIAL AID) TO LEAD PROCESSING OF FINANCIAL NEED ANALYSIS (FNA) DOCUMENTS FOR ALL STUDENTS PARTICIPATING IN THE AMERICAN INDIAN SUMMER BRIDGE PROGRAM AND THE SIDEKICKS MENTORING PROGRAM, THE DEMAND FOR THE SERVICE WAS EXPANDED TO INCLUDE ALL STUDENT REQUESTS AT AISS. FOR THE 2009-10 ACADEMIC YEAR,

THIS INCLUDED INCORPORATING OVER 488 INDIVIDUAL STUDENT FINANCIAL ADVISEMENT SESSIONS AND SUBSEQUENT FOLLOW-UP WITH THEIR RESPECTIVE TRIBES.

FAFSA FRIDAY WORKSHOPS – THIS EFFORT WAS ESTABLISHED TO EDUCATE AND SUPPORT NATIVE STUDENTS IN MEETING UNM'S ANNUAL MARCH 1ST PRIORITY DEADLINE FOR APPLYING FOR FEDERAL FINANCIAL AID AND COMPLETING THE FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA). GENERALLY, NATIVE STUDENTS AT UNM TEND TO COMPLETE THE FAFSA LATER THAN THE INSTITUTION'S PRIORITY DEADLINE THAT HAS RESULTED IN MISSED OPPORTUNITIES TO SECURE ADDITIONAL RESOURCES TO COVER COST(S) OF ATTENDANCE, AS WELL AS CHALLENGES COMPLETING THE FINANCIAL NEED ANALYSIS PROCESS. WHILE THE INITIAL PLAN INCLUDED DELIVERING WEEKLY WORKSHOPS FROM JANUARY THRU MARCH 2010; THE OVERWHELMING STUDENT RESPONSE AND NEED RESULTED IN CONTINUING TO OFFER THE WEEKLY WORKSHOPS THRU APRIL 16, 2010. ONE HUNDRED FORTY-SEVEN (147) STUDENTS PARTICIPATED IN THE 2010 FAFSA FRIDAY PROGRAMMING – THE REPRESENTS 45% INCREASE IN PARTICIPATION RATES FROM 2009 PROGRAMMING.

UNM-TRIBAL MEMORANDUMS OF UNDERSTANDING – A NEARLY 2 ½ YEAR PROCESS TO REVISE AND RENEGOTIATE THE MEMORANDUMS OF UNDERSTANDING (MOU) ORIGINALLY ESTABLISHED IN DECEMBER 1994 WITH THE TWENTY-TWO TRIBES OF NEW MEXICO WAS CONCLUDED WITH A SIGNING CEREMONY IN MAY 2010. AISS LEAD THE EFFORT IN COLLABORATION WITH REPRESENTATIVES FROM THE UNM OFFICE OF THE PRESIDENT, OFFICE OF THE PROVOST, LEGAL COUNSEL, AND AN EXECUTIVE COMMITTEE OF THE NEW MEXICO TRIBAL HIGHER EDUCATION COMMISSION. THE OVERARCHING GOALS OF THE MOU'S FOCUS ON THREE PRIMARY AREAS:

- INCREASING THE ENROLLMENT OF AMERICAN INDIAN STUDENTS
- INCREASING THE SUCCESS RATES OF AMERICAN INDIAN STUDENTS
- FOSTERING INCREASED VISIBILITY FOR THE UNIVERSITY WITHIN TRIBAL COMMUNITIES

WALATOWA HIGH CHARTER SCHOOL EARLY COLLEGE INITIATIVE – AISS'S COMMITMENT TO INCORPORATING UNM'S FOUR STRANDS OF PRIORITY (STUDENT SUCCESS, SYSTEMIC EXCELLENCE, HEALTHY COMMUNITIES, AND ECONOMIC & COMMUNITY DEVELOPMENT) THAT CONNECT, ALIGN AND ACTIVATE THE UNIVERSITY'S MISSION, VISION, VALUES, AND STRATEGIES IS REFLECTED IN THE WALATOWA EARLY COLLEGE INITIATIVE. UNM IS THE INSTITUTIONAL PARTNER WITH WALATOWA HIGH CHARTER SCHOOL AND THE PUEBLO OF JEMEZ IN IMPLEMENTING ITS DUAL ENROLLMENT COMPONENT. AISS IS CHARGED WITH THE DAILY OPERATIONS OF THE EFFORT AND LEADS ALL PROGRAMMING ASPECTS INCLUDING, BUT NOT LIMITED TO: ORIENTATION PROGRAMMING FOR STUDENTS, PARENTS, & TRIBAL OFFICIALS; ACADEMIC ADVISEMENT; ESTABLISHMENT OF STEERING COMMITTEE STANDARDS; AND PARTICIPATION IN ALL PROFESSIONAL DEVELOPMENT & TRAINING MODULES DIRECTED BY CENTER FOR NATIVE EDUCATION AT ANTIOCH UNIVERSITY AND THE BILL & MELINDA GATES FOUNDATION.

STAFF UPDATE

- LILLIAN MUZAME WAS SELECTED AS THE TOP CANDIDATE FOR THE PRE-MAJOR ADVISOR POSITION AND BEGAN EMPLOYMENT ON SEPTEMBER 8, 2009. UNSUCCESSFUL EFFORTS TO REMEDY ISSUES REGARDING HER CITIZENSHIP/VISA RESULTED IN HER VACATING THE POSITION ON MAY 31, 2010.

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COLLABORATION: UNM DEPARTMENTS/STUDENT GROUPS

ACCESSIBILITY RESOURCE CENTER
ADMISSIONS & RECRUITMENT, OFFICE OF
ANDERSON SCHOOL OF MANAGEMENT
AFRICAN AMERICAN STUDENT SERVICES
ALPHA PI OMEGA SORORITY, INC.
ALUMNI RELATIONS
AMERICAN INDIAN BUSINESS ASSOCIATION
AMERICAN INDIAN BUSINESS LEADERS
AICAE
AMERICAN INDIAN LAW CENTER
AMERICAN INDIAN MEDICAL ASSOCIATION
AISES
ARCHITECTURE & PLANNING, COLLEGE OF
ARTS & SCIENCES, COLLEGE OF
ASUNM
ATHLETICS
BA/MD PROGRAM
BETA SIGMA EPSILON FRATERNITY
CAREER SERVICES
CENTER FOR ACADEMIC PROGRAM SUPPORT
CENTER FOR NATIVE AMERICAN HEALTH
CHILDREN'S CAMPUS
COLLEGE ENRICHMENT PROGRAM
COSAP
DEAN OF STUDENTS
DINÉ OF UNM
EDUCATION, COLLEGE OF
EL CENTRO DE LA RAZA
EMPLOYEE & ORGANIZATIONAL DEVELOPMENT
ENGINEERING, SCHOOL OF
GRADUATE STUDIES, OFFICE OF
GPSA
HEALTH SCIENCES CENTER
HUMAN RESOURCES
INDIGENOUS NATIONS LIBRARY PROGRAM
INSTITUTE FOR AMERICAN INDIAN EDUCATION
JOHNSON CENTER
KIVA CLUB
LANGUAGE LITERACY & SOCIOCULTURAL STUDIES
LOBORIENTATION
LOBO NETWORK
MULTICULTURAL ENGINEERING PROGRAM
NATIVE AMERICAN CHRISTIAN FELLOWSHIP
NATIVE HEALTH INITIATIVE
NATIVE AMERICAN HEALTH SCIENCES SOCIETY
NATIVE AMERICAN LAW STUDENT ASSOCIATION
NATIVE AMERICAN STUDIES
NAS INDIGENOUS RESEARCH GROUP
OFFICE OF THE PROVOST
PHARMACY, COLLEGE OF
PROJECT FOR NM GRADUATES OF COLOR
POLICE DEPARTMENT
RESIDENCE LIFE
RONALD MCNAIR SCHOLARS PROGRAM
ROP PROGRAM
SCHOLARSHIP OFFICE
SOCIETY OF NATIVE AMERICAN HEALTH PROFESSIONALS
SOCIETY OF NATIVE AMERICAN GRAD STUDENTS
SCHOOL OF LAW
SPECIAL PROGRAMS
STUDENT ACTIVITIES
STUDENT FEE REVIEW BOARD
STUDENT FINANCIAL AID
STUDENT HEALTH CENTER
STUDENT SPECIAL EVENTS
RECORDS & REGISTRATION
UNIVERSITY ADVISEMENT CENTER
UNM – GALLUP CAMPUS
UNM – LOS ALAMOS CAMPUS
UNM – TAOS CAMPUS
UNM – VALENCIA CAMPUS
WOMEN'S RESOURCE CENTER

IV. DIRECTOR COMMITTEE PARTICIPATION

- ALL INDIAN PUEBLO COUNCIL EDUCATION COMMITTEE
- ARIZONA TRI-UNIVERSITY CONFERENCE
- AMERICAN INDIAN GRADUATE CENTER
- COLLEGE BOARD – NATIVE AMERICAN STUDENT ADVOCACY INSTITUTE
- ED & CAROLYN LEWIS SCHOLARSHIP SELECTION COMMITTEE
- EIGHT NORTHERN INDIAN PUEBLOS COUNCIL
- FUTURES FOR CHILDREN
- NATIONAL ASSOCIATION FOR STUDENT PERSONNEL ADMINISTRATORS (NASPA)
- NASPA INDIGENOUS PEOPLES KNOWLEDGE COMMUNITY
- NASPA UNDERGRADUATE FELLOWSHIP PROGRAM
- NATIONAL INDIAN EDUCATION ASSOCIATION
- NATIONAL INSTITUTE FOR NATIVE LEADERSHIP IN HIGHER EDUCATION
- NEW MEXICO ALL INDIAN COMMUNITY FOUNDATION
- NEW MEXICO ASSOCIATION OF STUDENT AFFAIRS PROFESSIONALS
- NEW MEXICO PATHWAYS ADVISORY BOARD
- NEW MEXICO STATUARY HALL FOUNDATION
- NEW MEXICO TRIBAL LEADERSHIP INSTITUTE (W.K. KELLOGG FOUNDATION)
- NOTAH BEGAY FOUNDATION

Director Committee Participation (cont'd)

- Office of Equity & Inclusion Bias/Hate Acts Task Force
- Office of Equity & Inclusion LGBTQ Resource Center Task Force
- UNM BA/MD Admissions Committee
- UNM Core Curriculum Task Force
- UNM Dispute Resolution: Mediation Training
- UNM Family Weekend
- UNM Freshman learning Communities Sub-Committee
- UNM LOBOrientation – Family Connection
- UNM Homecoming Committee
- UNM Multicultural Greek Community Advisor
- UNM Presidential Scholarship Selection Committee
- UNM Regents Scholars Selection Committee
- UNM Student Affairs Summer Bridge Program Orientation
- UNM Tribal Memorandum Of Understanding (MOU) Task Force
- UNM UCAC Suspension Committee
- UNM Welcome Back Days
- UNM-Gallup Educational Leadership Conference
- Walatowa High Charter School Dual-Enrollment Steering Committee

Staff Professional Activities and Community Efforts

- Acoma Pueblo College & Career Fair
- Albuquerque Public Schools College Days
- APS Indian Education College Connection Day
- Cochiti Pueblo College & Career Fair
- College Board NASAI Conference
- College enrichment Program Orientation
- Crownpoint High School Visitation Program @ UNM
- ENIPC College Career Fair
- Isleta Pueblo Career Fair
- Laguna-Acoma High School College Fair
- Mescalero High School Visitation Program @ UNM
- NACADA Webinars
- NASPA Regional IV-W Conference
- NASPA Indigenous People Knowledge Community
- NASPA Undergraduate Fellowship Program
- National Indian Education Association
- Native American Community Academy
- Native American Journalist Association Visitation @ UNM
- New Mexico Association of Student Affairs Symposium
- New Mexico Tribal Higher Education Summit
- OEI AdvisorTrac Training
- Professional & Graduate Student Orientation
- Sandia Pueblo College & Career Fair
- Santa Fe Indian School College & Career Fair
- SIPI Upward Bound Program Campus Visit to UNM
- Southwestern Indian Polytechnic Institute Career Day
- Student Fee Review Board Town Hall
- UNITY Conference Career Fair
- UNM Academic Success Symposium
- UNM Advisor Institute
- UNM Anderson School of Management Native American Career Fair
- UNM Arts & Science Suspension Committee
- UNM CNAH Summer Policy Academy
- UNM Day @ New Mexico State Legislature
- UNM Faculty of Color Awards
- UNM Family Day
- UNM Graduates of Color Leadership Retreat

Staff Professional Activities and Community Efforts (cont'd)

- UNM Greek Week
- UNM Hanging of the Greens
- UNM-HSC Health Resource Forum
- UNM Ida Romero Selection Committee
- UNM LOBOrientation
- UNM Lobo Trax Degree Audit Training
- UNM Mentoring Institute
- UNM New Student Orientation Leader Selection Committee
- UNM Office of Student Affairs Assessment Committee
- UNM Office of Student Affairs Fellows Program
- UNM Presidential Scholarship Selection Committee
- UNM Residence Life Campus Resource Fair
- UNM Senior Day
- UNM Staff Council: Student Success Committee
- UNM Transfer Day
- UNM Transfer Evaluation System Training
- UNM Transfer & Non-Traditional (TNT) Orientation
- UNM United Way Campaign
- UNM University College Probation & Suspension Committee
- Walatowa Early College Program

V. Statistical Overview

Obtaining accurate counts of visitors (students, staff, faculty, community partners & constituents, and tribal leaders) is fairly challenging however, significant effort is devoted to this task. Front desk sign-in sheets and event rosters are the best mechanism for capturing the information although it should be noted that not everyone signs in all the time.

Service Type/Use	Total Number of Visits
Academic Advisement	806
Financial Aid/Scholarship Advisement	488
Community Constituents/Tribal Leaders	153
Tutoring/Studying	1616
Computer Use	5980
Fax/Copier/Phone Use	265
Socializing	686
General Information Inquiries	399
Other	1058
TOTAL	11,451

VII. Proposed 2010/2011 Strategic Plan Department Goals

- Incorporate a comprehensive initiative focusing on programming to support the academic success of UNM American Indian graduate students
- Increase the number of participants in the American Indian Summer Bridge Program by a minimum of 10% from the previous year
- Expand the AISS Sidekicks Mentoring Program to include a minimum of two (2) service learning projects in tribal communities.
- Fill the existing Pre-Major Advisor Vacancy and establish an expanded comprehensive advisement plan for the academic year
- Continue fundraising efforts for the AISB and American Indian Student Retention Endowment
- Collaborate with education associations & organizations to secure hosting and coordinating opportunities for national Indian conferences and/or professional development opportunities on the UNM campus
- Continued development of engagement with UNM American Indian Alumni

AFRICAN AMERICAN STUDENT SERVICES
The Office of Equity & Inclusion
Annual Report for July 1, 2009 – June 30, 2010

Submitted by

Wm. Scott Carreathers, Director

MISSION

African American Student Services' (AASS) mission is to serve all African American Students in successfully matriculating through the university system by providing support and encouraging their academic, personal career, cultural and educational development.

The office is committed to enhancing the cultural experience and social awareness of all students, faculty, staff and administrators as the University of New Mexico, as well as alumni and members of the surrounding communities. As an integral entity serving in concert with the institution's mission, African American Student Services is strongly committed to the philosophy of equity and inclusion and to the creating of mutual opportunities of exchange. African American Student Services is in support of meeting the goals and objectives of the Division of Equity & Inclusion's mission and the mission of the University of New Mexico.

GOALS OBJECTIVE/ASSESSMENT OF GOALS

1. AASS has and will continue to seek additional funding.

   Assessment:

   Recurring funding was received by way of New Mexico State Legislation. AASS, through the Development Office and the UNM Administration, will have enhanced dialogue to secure a large donation which will possibly provide for a name change.

   Mr. Ed Lewis is an alumnus of the University of New Mexico and has guided the ongoing prosperity of one of the country's largest African American multi-media organizations, Essence Communications, Inc. He is a strong advocate of civil rights and community involvement and contributes both personal time and financial support to a number of civic, educational and arts organizations. In addition, with the assistance of past donor and alumni, Marsha K. Hardeman and the UNM Development Office, we are continuing dialog with Mr. Victor McFarland, also an alumnus, for the securing of an additional large donation.

2. AASS will continue to maintain strong relationships and partnerships with organizations within the African American community.

   Assessment:

   AASS did collaborate with the State Office of African American Affairs and Africana Studies to continue our Annual Black Cultural Conference, our Annual Program Planning Retreat and held a Black Student

Leadership Conference, all in 2010. AASS is working with the NAACP, has established a campus chapter and did register more students as well as elect student officers. AASS has worked and will continue to work with The Sickle Cell Council of New Mexico, the Graduate Chapters of Alpha Kappa Alpha Sorority, Inc., Delta Sigma Theta Sorority, Inc., Alpha Phi Alpha Fraternity, Inc. and Omega Psi Phi, Inc. by assisting with scholarship drives and Educational Conferences.

3. AASS will assist with student awards specifically for African American students who utilize the center.

   Assessment:

   AASS has continued to issue student awards/scholarships to students of the center who fulfilled academic and work-related obligations in conjunction with State Legislative funding and private donation. AASS gave four student awards to students who achieved academic success in conjunction with community service. We also designated a larger portion of our existing budget for money for future scholarships for student groups as well as individual students.

4. AASS will further enhance our Tutorial Services by improving practices through professional development, attending national conferences and providing more extensive training for our tutors.

   Assessment:

   The Tutorial Coordinator and four tutors attended a conference in New Orleans, Louisiana on 3/28/10 entitled "Jazzed About Tutoring". This conference addressed tutor/student practices, multi-sensory learning and enhancement of tutorial skills. All tutors attended and were required to then hold monthly workshops designed to share knowledge and to enhance student study skills and methods as well as provide more outreach to pull in more students. Tutors also created a video which was broadcast on our website which provided introduction to and background for each student tutor and what subjects they assist with.

5. AASS will continue departmental efforts of targeted recruiting by continuing to attend NSFNSS and pursue other efforts in southern New Mexico and throughout the state.

   Assessment:

   The Director and one staff member attended the NSFNSS College Fair in Houston, Texas and the Director attended NSFNSS College Fair in Denver, Colorado. Over 150 informational cards from each fair were delivered to the Division of Enrollment Management for follow up. With the assistance of the Vice President of Equity and Inclusion and the Provost, AASS staff created a Recruitment Plan, which will be implemented beginning in 2010-11. This plan will include more statewide recruitment efforts, stronger local recruitment efforts and an opportunity for possible student exchange programs with various black colleges.

6. AASS will create a needs assessment through Student Voice to better serve our student population by seeking to develop leadership both individually and as an African American student or group of students.

   Assessment:

   Through increased group and individual meetings, AASS has created a stronger core group of student leaders who now hold offices in key BSA leadership positions. We also saw an increase in student participation in our student groups and in our activities and programs. We continue to assess through various tools and measurements. We did conduct a paper survey regarding campus climate for black students.

Due to budget constraints, with direction from the Office of Equity and Inclusion, only Advisor Trac was implemented university wide and met with limited success. AASS was the pilot center for this program.

7. AASS will continue to pursue professional development by seeking out other organizations for comparisons of our services on a national level, examining different and new program possibilities.

   Assessment:

   As part of our efforts to reach out to other institutions, we continue dialogue with Purdue University about their Center of Excellence for Black Students by exchanging information and gathering ideas. We also continue dialogue with New Mexico State University about challenges for black students at predominantly white or Hispanic serving institutions. Due to budget limitations, we are unable to visit other institutions as part of our professional development.

PROGRAMS AND SERVICES

CONTINUING

Black Cultural Conference "Past, Present and Future" - AASS presents this annual event that will expand on a tradition of academic excellence, community empowerment, awareness and vision by celebrating the diverse cultures within the African American community. Through these events, our hope is to inspire and develop past, present and future contributors to our culture and our history. The events included The Gospel Extravaganza featuring Dr. Ralph D. West of Church Without Walls in Houston, Texas, Living Legends Awards Ceremony honoring four community legends, brought in Dunbar High School Marching Band from Dallas, Texas and held African American Student Day & Black Student Leadership Conference which included juniors and seniors from high schools statewide and college students from UNM, Highlands University and New Mexico State University. We also held an Onyx Knowledge Bowl, which featured competitions in knowledge of Black history. These events will be different every year, but follow the same cultural theme. All this was done in conjunction with African American Student Day students who are high school students visiting UNM as a prospective post secondary option.

AASS Pathways – As part of the UNM Lobo Orientation, AASS created this program to help African American students and their parents become more acclimated with AASS, current students, student organizations, Black Greeks and the Albuquerque Black community. AASS provided food for the day and a $50 book scholarship to the UNM Bookstore for each student who attended one of the six sessions of Pathways. AASS invited current student leaders, black staff, faculty and community members to join incoming freshmen students and family to help provide more targeted information about the University, AASS, Albuquerque and New Mexico. This year we had 15 students and 10 parents who attend Pathways. The program serves as an additional option for African American students and their parents to better solidify the commitment AASS has to its students and families.

D.I.V.A.S. - (Developing Intellectual Vigilant Ambitious Students) - In conjunction with Vanessa Harris and Marla Wyche-Hall, this program was developed for young African American women on the UNM campus. The program is designed to mentor students while addressing issues from everything such as dorm life, boyfriend issues, being a minority on campus, spirituality, parent issues, studying, being away from home, sexuality issues up to and including academic issues and concerns. AASS will offer resources available on campus and offer guidance

regarding budgeting, building a professional career and participating in fun activities while fostering leadership, friendship and relationship building with other students like themselves. AASS will focus on providing mentors who are professional women of color on campus and will provide workshops to address life skills that will enhance their social, cultural and professional development.

Winter Roots Festival – AASS organized an event that includes Kwanzaa, Christmas and other black cultural celebrations honoring the diaspora. The celebration is called Winter Roots Festival (formerly known as Kwanzaa). This ceremony was held in the Student Union Building Ballroom on Saturday, December 5, 2009 from 7:00 pm to 11:00 pm. The program included dinner, history of winter black cultural celebrations, tributes and musical and dance performances. The program ends with either a band or DJ for after dinner entertainment. This is an annual event sponsored by AASS open to all students, staff, faculty and community members.

Awards & Recognition Ceremony – The 15th Annual Awards and Recognition Ceremony was held at the University of New Mexico Student Union Building Ballroom on Saturday, April 17, 2010. AASS welcomed the guests, students, staff and faculty of UNM. The program is to promote and recognize academic achievements of African American students at UNM and outstanding high school students from the entire state. The event drew over 200 people to whom brunch was served. This is an annual event. Guest speaker was Arel Moodie, motivational speaker and extreme entrepreneurship.

ZEAL - AASS created a position of Student Recruiter/Zeal Coordinator and added a Graduate Student/Work Study position for Assistant ZEAL Coordinator. These positions afford the staff of AASS the opportunity to directly impact and assist student athletes in a more timely and efficient manner.

MISSION: The central mission of ZEAL (Zest for Excellence in Athletics and Learning) is to support retention and graduation rates for student athletes. In pursuit to attain our goal, ZEAL pledges to structure activities that improve the college experience while developing life skills for African American male/female athletes recruited by the University of New Mexico.

VISION: ZEAL, in partnership with UNM Athletic Department, will use mentors and tutors to enhance positive behavior among first generation and transfer student athletes. The ZEAL program will in its endeavors continue to promote academic excellence for student athletes, university wide.

ZEAL currently utilizes 8 mentors. ZEAL is serving 12 different student athletes from seven different states.

RALPH J. BUNCHE SUMMER LEADERSHIP PROGRAM

AASS, in conjunction with Ralph J. Bunche Academy, continued our Summer Leadership Program. This program consists of three components: Academics, which includes a fine arts element, Volunteerism, Community Service and Physical Education. At the center of each component is a focus on student self-discipline and self-esteem necessary for leadership distinction. The program is designed to nurture, develop and train student sot function as productive, ethical leaders who actively demonstrate self-responsibility, sportsmanship and community pride. Based on the values that build leadership while maintaining a social climate of age appropriate academics, the program will equip students with the competence and self-confidence necessary to be positive and influential contributors to society. Whether in charge of their own decisions or as a group, students will learn to characteristically make effective judgments based on solid, systematic principles.

The students were divided into two sections: Grades K-2 and 3-5. Students were engaged in academic activities that will aid in maintaining the knowledge that was gained in the previous year, in addition to laying a foundation for new knowledge for the upcoming year. The focus was on reading, math and science.

The students took part in the City's Lunch Program at the Thomas Bell Community Center, attended multiple academic and recreation field trips, performed at the Kirtland Addition Summer Reunion Picnic and volunteered their services at the Road Runner Food Bank.

Due to budget constraints, this will be our final collaborative program with Ralph J. Bunche.

UNM/AASS PARTNERSHIP FOR INTERNSHIP WITH OAAA AND CNM

UNM/AASS, The Office of African American Affairs and Central New Mexico Community College combined forces and resources for African American students to pursue internships which would encourage and assist to intern with the State of New Mexico Higher Educational Purchasing Departments and serve as a quality source for projected open positions and a more culturally diverse staff. This opportunity provided college students the chance to explore a professional career in Procurement and Materials Management. Also, an internship was provided, which benefited students who are focusing on Finance, Management or Marketing by gaining a better understanding of the nature, purpose and impact of procurement in an organizational setting. Initially, interns worked in the CNM and UNM purchasing departments. Student awards were given based on positions available, students who were qualified and based on successful completion of the internship guidelines.

TUTORIAL PROGRAM

AASS continues to provide tutoring for students which covers a wide variety of subject matters. The program provides a unique opportunity for African American students, and those who seek our services, to access qualified tutors within our program. We have also established an alliance with local middle and high school youth to provide a well rounded academic program for them and to introduce them to the possibilities of post-secondary education.

The Tutorial Program seeks to accomplish this mission by creating an environment conducive to learning, which promotes academic success through the hiring and training of qualified tutors, providing resource materials to aid students with their independent study: workshops that provide students with valuable skill sets that can be applied to their collegiate careers and their goals after graduation: a library complete with current textbooks, GRE, LSAT, MCAT, ASVAB prep books, as well as novels to read for pleasure that can be checked out; and an afterschool program with elementary school students, which provides an opportunity for our students to volunteer and help younger students in a similar way that our tutorial program helps them.

The subjects offered at AASS are as follows:

Math, which includes 100, 120 and 121 levels (equivalent to college algebra)
Calculus
Arabic
Chemistry
History
Biology
English 101 & 102
Spanish 100, 101 and 102
Sociology

Due to budget constraints, AASS will no longer offer our own Tutorial Program. We will, however, provide space for CAPS tutoring in our center for tutoring in major subjects.

STAFF/PROFESSIONAL ACTIVITIES AND COMMUNITY INVOLVEMENT

University College Probation & Suspension Committee
UNM Black Graduate and Professional Student Organization
Special Admissions Committee
LOBOrientation – Incoming student advisement with University College
College Enrichment Program Freshman Orientation
Greek Mixer
Alpha Kappa Alpha Sorority, Inc. Salute to Youth
Staff Development & Retreat
College Prep Program
Alpha Phi Alpha Fraternity, Inc.
Black Expo
Black Political Action Committee
Sickle Cell Annual Gala
UNM Job Fair
NSFNS – Houston, Texas
NSFNS – Denver, Colorado

CULTURAL AWARENESS PROGRAMS

Black Cultural Conference
Annual Welcome-Back BBQ
Monthly Life Skills Workshops
Winter Roots Festival
Black History Month Activities and Programs
The Perspective – AASS Newsletter
Martin Luther King, Jr. Ceremony
Black Political Action Committee
African American Student Day - February

LIASONS

Albuquerque Public Schools BSU Summits
Office of African American Affairs
NAACP – Newly created UNM Chapter, Albuquerque, Rio Rancho and Statewide
LOBO Network
Recruitment Services – Recruitment meetings
Martin Luther King Jr. State Commission
Special Admissions Committee
Office of Undergraduate/University College
Black Student Union
National Society of Black Engineers
Powerful Movement of Educated Sisters
Rhythm Cartel
Black Greek Letter Organizations:
- Alpha Phi Alpha Fraternity, Inc.
- Alpha Kappa Alpha Sorority, Inc.
- Delta Sigma Theta Sorority, Inc.
- Kappa Alpha Psi Fraternity, Inc.
- Omega Psi Phi Fraternity, Inc.

Phi Beta Sigma Fraternity, Inc.
Zeta Phi Beta Sorority, Inc.
Sigma Gamma Rho Sorority, Inc.
Iota Phi Theta Fraternity, Inc.

DIRECTOR'S COMMITTEES

Lottery Scholarship Committee
Black Chamber of Commerce
Board Member for Ralph J. Bunche Charter School
Black Political Action Committee
Martin Luther King, Jr. Multicultural Council Committee
Special Admissions Committee
Sickle Cell Committee
Police Oversight Commission

LIST OF GRANT AWARDS

Recurring Legislative Funding with the help of Representatives Sheryl Williams-Stapleton.

PROPOSED DEPARTMENTAL GOALS 10-11

1. AASS will continue dialogue through UNM Development Office and UNM Administration to secure large donation which will enable a name change.
2. AASS will continue to maintain a strong relationship with the African American community.
3. AASS will continue to provide student awards and more scholarships dependent upon funding.
4. AASS will implement our Targeted Population Recruitment Plan.
5. AASS will create assessment tools, which better track our student population and usage of our center.
6. AASS will begin dialogue with other Ethnic centers, OEI and the Planning and Development Office to further explore options of shared resources and shared space.

STATISTICAL REPORT

MONTHLY TOTALS for July 1, 2009 through June 30, 2010

July

Total Visitors	296
Female	172
Male	124

August

Total Visitors	583
Female	315
Male	268

September

Total Visitors	588
Female	321
Male	267

October

Total Visitors	519
Female	272
Male	247

November

Total Visitors	482
Female	289
Male	193

December

Total Visitors	407
Female	277
Male	130

January

Total Visitors	169
Female	92
Male	77

February

Total Visitors	536
Female	317
Male	219

March

Total Visitors	604
Female	323
Male	281

April

Total Visitors	618
Female	357
Male	261

May

Total Visitors	548
Female	299
Male	249

June

Total Visitors	308
Female	162
Male	146

Most students visit AASS daily but many students visit several times a day and for various reasons each day. Reasons for center visits are included below but are not necessarily limited to these particular options:

Study
Computer Use
Tutoring
Work/Meeting
Appointment for Advisement
Relaxation
Visit/Other

DIVISION OF EQUITY & INCLUSION
El Centro de la Raza
Annual Report
July 1, 2009-June 30, 2010

Submitted by: Verónica Méndez-Cruz, Director

Annual Report will include:

- **Departmental Vision**
- **Departmental Mission**
- **Director's Report**
- **Staff contributors.**
  Meriah Heredia-Griego, Senior Program Manager
  Theresa Williams, Program Coordinator
  Christopher Smith Lopez, Senior Program Advisor
  Katrina R. Herrera, Administrative Assistant
  Joaquin T. Arguello De Jesus, Senior Program Advisor
  Christopher R. Ramirez, Graduate Assistant
- **Attachments**
  White Paper
  40th Anniversary of El Centro de la Raza Presidential Proclamation
  Dream Conference Report

DEPARTMENTAL VISION

"El Centro de la Raza family – an ever evolving and symbiotic group of students, faculty, staff, community members and families – strives to stand together against oppression and transcend geographic and cultural communities for the achievement of collective power through life-long learning."

DEPARTMENTAL MISSION

"Engaging the Raza Community, El Centro de la Raza provides tools for self-determination and resiliency, supports the transformation of students through knowledge, skills and responsibility and challenges self and systems to achieve social justice. Established in 1969, for students by student and community activists, El Centro continues the legacy of advocacy, holistic support and partnerships."

DIRECTOR'S REPORT

This year El Centro de la Raza celebrated forty years at UNM, *"Adelante: Celebrating 40 Years of El Centro de la Raza and Latina/o serving Programs and Creating a Vision for UNM Latina/o*

Community for the Next 40 Years." Presented in a 2 day symposium format, El Centro coordinated applicable events for K-12, Parents & Family, UNM Students, and the surrounding Community. The topics covered included recruitment and retention strategies, academic research presentations, and a Legislative/Alumni/Community Reception.

El Centro de la Raza Internship Program is into its fourth year and continues to partner with the UNM service Corps represented by Dr. Kiran Katira. This program continues its focus on leadership and service learning. El Centro was able to recruit10 undergraduates in a combination of on campus and community intern sites.

El Centro completed its second year of the Graduate Fellows Program and recruited 10 Graduate Fellows who met once a month with El Centro's Faculty Fellows Dr. Gabriel Sanchez, Political Science and Dr. Ruth Trinidad Galvan, LLSS. The Program was run by Christopher R. Ramirez, Graduate Student.

The Amistades Peer Mentoring Program is another service program aimed at providing tools for self-determination and resiliency supports the transformation of students through knowledge, skills and responsibility and challenges self and systems to achieve social justice. The Amistades Program matches Latina/o first-year and transfer students with Latina/o returning undergraduate and graduate students over an academic year to support academic, cultural/personal and professional goals. Approximately 50 volunteer mentors were identified and matched up with an incoming freshmen student.

El Centro continues to maintain and support three departmental satellite offices. One satellite office is the CAPS office. Between July 1 2009 and June 30 2010, CAPS tutors saw 799 students at Mesa Vista Hall. Total visits to Mesa Vista Hall for the same time period were 1,696. Approximately 600 of these students, and 1,272 of these visits, took place at El Centro de la Raza. The two services provided during this time period were Writing and Spanish tutoring in Room 1157, and Math/Science tutoring in Room 1152.
In addition, Library Services and Career Services were located in the Mesa Vista Foyer for assisting students of the ethnic centers.

Director participation in the following committees:

Core Curriculum Task Force
Chicano Hispano Mexicano Studies Policy Making Committee
Advising Management Team
Hate Crimes Training

Director presentations and attended the following conferences:

Best Practices: Culture and Identity Diversity
CPP Staff/Student Staff Retreat
CAMP staff retreat
Commission on the Status of Women Girl's Conference
The Latino Summit
Women without Borders Conference

Lieutenant Governor's Statewide Graduation Summit

Special Honors and recognitions

UNM Student Service Award "Louie"
Partnered with Dr. Peter Guarnero and his research, "Latino/Hispanic Young Men and Health Beliefs, Acculturation and Emerging Adulthood: A Mixed Methods Study."

Committee

Advisor Management Group
CHMS Advisory Committee
Community / University Center – Focus Group
Hate Acts / Bias Incident Workgroup
NASPA 2010 National Conference, Program Reviewer
OEI Database Workgroup
OEI Fundraising Committee

COMMUNITY OUTREACH

Albuquerque Partnership General Stakeholder Committee
Albuquerque Partnership Monthly Stakeholders Meeting
Boy's Education and Learning in New Mexico Conference Panel Presenter
Citizen Schools Education Panel-Wilson Middle School
De Colores Hispanic Heritage Month Committee Member
Del Norte HS counselor & student orientation
Disciples of Chaos Performing Arts Group, Board of Director
El Centro de Igualdad Y Derechos
Excel Educational Enterprises. Inc, SPF SIG Core Committee
Footprints Ministry Inc. Core Committee
God's House Church "Amplified Youth" Committee
Highland High School – Nondiscrimination admissions policy with Counselors
Highland HS Mesa Club presentation-admissions, financial aid
Hispanic Youth Symposium Facilitator
HSC/ Office of Community Affairs Leadership Tour "Highlights & History of Health & Wellness Center Collaboration in Santa Barbara Martinez Town."
Kirtland Community Neighborhood Assoc. Member
La Luz Charter School Presentation
La Luz Elementary Students & Staff Orientation and El Centro tour
La Plazita – Cesar Chavez Service Event
La Plazita Institute, Board of Director
LA Works Internship Program
NM Health Equity Work Group
Nuestros Valores Charter School (4 presentations)
Oregon State, High School Counselor/Student Orientation
Rio Grande High School Young, Diverse Professionals Panel
Santa Fe Capital HS group visit & collaboration with Natural High Program
Santa Fe Community College collaboration

Santa Fe Ortiz Middle School: Follow up Pen Pals Project
Santa Fe Prep High School Counselor/Librarian orientation
School to World
Shadow Day-Rio Grande High School
Somos Un Pueblo Unido
South Valley Academy Mentor/Advisor
Transfer Valencia Campus Seminar and Presentation
Trumbull Community Neighborhood Assoc. Member
Underage Drinking Coalition

UNIVERSITY COLLABORATIONS

"SURVIVE" Award & Testimonial Show
Advisor's Network
American Indian Junior Day
American Indian Student Services Social
Amistades Program Mentor
CAPS
Career Services
El Centro 40th Anniversary "Adelante"
Ethnic Center Expo Planning Committee
Library Services
LULAC Planning Committee
MexSA (Mexican Student Association)
NASIRG Indigenous Day Celebration
Omega Delta Phi Advisor Interview
Peer Mentoring for Graduates of Color – Roundtable with Faculty of Color
PNMGC – Faculty of Color Awards
Raza Excellence Committee Chair
Raza Graduation 2010
Raza Junta
Raza Student Association – Staff Advisor
School to World
SHAC (Student Health Advisory Council) Advisory Committee
Underage Drinking Town hall
University College Suspension Committee
UNM Day at the State Legislature
UNM Junior Day
UNM Marketing Committee
UNM NSO/TNT Advisement Committee
UNM OEI Finance Committee
UNM Regent Scholarship Review Committee
UNM Senior Day
UNM Service Corps Swearing-In Ceremony

The following table provides a list of the outreach initiatives documented through the El Centro evaluation process. Participants complete evaluation forms following UNM/El Centro presentations. This evaluation process began in October of 2009 and therefore did not capture data from the first quarter of the academic year. Visit Evaluations provide feedback from the teacher or sponsor pertaining to the interaction with the El Centro staff to coordinate the event. Presenter Evaluations provide feedback from all participants assessing the presenter and the information El Centro provided during the event. These events occur both on and off-campus. The number of participants for these events is also captured in the RPSP "Non-UNM Outreach" goal.

2009-2010 Evaluation Sheet Student Count

Date	Organization	Visit Evaluations	Presenter Evaluations
2009-Oct-12	Youth Development Inc.	3	5
2009-Oct-17	Highland High School	0	2
2009-Nov-12	Truman Middle School	0	9
2009-Dec-11	Capital High School	3	30
2010-Jan-22	Truman Middle School	6	85
2010-Feb-5	Capital High School	0	71
2010-Feb-26	Albuquerque High School	0	32
2010-Mar-4	School on Wheels	0	46
2010-Mar-27	ENLACE	18	0
2010-Mar-29	Rio Grande Shadow Day	0	19
2010-Mar-29	I Have a Dream Foundation	4	24
2010-Apr-12	Heritage Academy High	4	99
2010-Apr-28	Santa Fe High School	2	23
2010-May-6	Dream Conference Youth	15	0
	2009 - 2010 Total	**55**	**445**

STAFF DEVELOPMENT

Accurate Time Reporting
Administrative Support
Advisor Track Training
Advisors Institute - *Scholarship Training, Financial Aid Training, Advisors Summit*
Alcoholics Anonymous Meeting
Assessing With Rubrics
Basics of Grant Writing
BGSA – Preparing Faculty Workshop
Big Brothers Big Sisters bake sale
Career Service Workshop
Communicating Effectively with Your Staff
Conflict Management
Conversation with Juan Sepúlveda, executive director of the White House Initiative on Educational Excellence for Hispanic Americans.
Diversity in the Workplace
Diversity in the Workplace: Creating an Environment of Respect
Essentials of Leadership
Ethics: A Framework for Ethical Decision Making-2010
Finance/Accounting
Foundations of Project Management
Hiring and Keeping the Best
Human Resource symposiums
Immigration Training (El Centro de Igualdad y Derechos)
Leader as a Role Model
Leadership Framework
Leadership Institute – *Getting Started as a New Leader*
Leading Productive Teams
Main Campus Budget Planner Year-End Projections Working Session
MaryAnn Romero, presentation on Immigration Law in New Mexico
Mothers against Drunk Drivers presentation
National Hispana Leadership Institute
PCard Program & Travel
Peer Mentoring for Graduates of Color – *Mentor/Mentee Training*
Preventing Sexual Harassment-2010
Research Service Learning Orientation
RGSA Member
Setting the Direction
Seven Habits of Highly Effective College Students
Seven Habits of Highly Effective People
Stop the Meeting Madness

FUNDING PROPOSALS

El Centro submitted application for McCune Grant (Not funded)
El Centro submitted application for Con Alma Grant (Not funded)

Assisted OEI (Office of Equity and Inclusion) with E Pluribus Unum Grant
Assisted OEI with Lumina Grant
Collaboration with UNM Foundation Office (research several potential funders)

SPECIAL PROJECTS

Advisortrac Implementation
AISS – FASFA Fridays
American Indian Junior Day
DREAM Conference May 5
El Centro 40th Anniversary Symposium - Adelante: Creating a vision for Latina/o Students, Faculty, Staff, Alumni and Community at The University of New Mexico
El Centro Database
El Centro Internship Qualitative Study
El Centro White Paper
Homecoming Rock& Run / Parent Weekend
Ida Romero Scholarship
Latino Student Needs Assessment – Pilot Survey
Program Assessment Tools
RPSP Data-tracking

MARKETING

40th Anniversary Marketing
DREAM Act Conference
El Centro de la Raza
Latino Summit
Raza Excellence
Raza Graduation
Raza Junta
RGSA
ROP/McNair

CONFERENCES ATTENDED

13th Annual MLK Jr. Youth against Violence Conference
Budget Summit
Critical Race Theory Panel Discussion
Deconstructing Anti-Affirmative Action Initiatives, SALT
DWI Resource Center "Drug Free Workplace" Conference
Governor's Hispanic Solutions Summit
Hispanic Youth Symposium
Human Rights Conference
Mentors Conference
NASPA Student Leadership Institute
National Scholars Luncheon
NM HED Annual Meeting

NM Student Affairs Symposium
Substance Abuse Prevention Planning Conference
The Dream Conference
UNM Advisor Institute, Nondiscrimination Presentation
UNM Black Cultural Conference
UNM College of Education Colloquium
UNM Service Corps Partners Meeting
Widening Access to Higher Education, Ford Foundation

ADVISEMENT

Spring AdvisorTrac Data

On February 1, 2010, El Centro began using AdvisorTrac to capture data on student admissions, academic, financial aid and career advisement sessions. Advisors and staff had to be trained on the new system and allowed time to transition from the old system. February, March and April were all transition months. It is highly likely that the following data does not completely reflect advisement activity in the center. Nonetheless, this is the data that has been captured and still provides a glimpse at El Centro's student population. In addition, the Office Management team met with approximately 30 students and provided them with advisement, mentoring and assisted them in various areas including: employment search, resume building, career/academic advisement, scholarship opportunities, student/staff employment (compensation, benefits, HR related), and mentorship. On an average students are seen for approximately 30 minutes to an hour. Several students come for mentoring on a biweekly to monthly basis. Most students come for advisement occasionally when needing assistance with a particular issue or challenge, most often for financial aid, work study, employment, scholarship problems or other random inquiries.

Gender

Between February1, 2010 and June 30, 2010 AdvisorTrac captured 167 advisement sessions. The student population advised was 64% female and 36% male.

Table 1: *Center Usage by Gender for February 1, 2010 thru June 30, 2010*

Gender	*n*	%
Female	107	64.1
Male	60	35.9
Total	167	100.0

Ethnicity

AdvisorTrac reports provide student data that is captured by the university Banner System. Unfortunately it cannot capture the demographics of individuals not in Banner. Student ethnicity

is self-identified by students upon admissions. As a result there is missing data which was not included in this table.
As expected, a large majority of the students who came in for advisement between February 1 and June 30 identified their ethnicity as Hispanic. The AdvisorTrac data base does not capture race and ethnicity data in accordance with national race and ethnicity data standards.

Table 2: *Center Usage by Ethnicity for February 1, 2010 thru June 30, 2010*

Ethnicity	*n*	%
Prefer not to specify	2	1.6
Hispanic	114	88.4
African American – Black	4	3.1
Asian / Pacific Islander	2	1.6
Navajo Dine	2	1.5
White Non- Hispanic	5	3.9
Total	133	100.0

Gender and Ethnicity

A cross tabulation (table 3) of gender and ethnicity provides a more accurate picture of how many Hispanic males and females utilized El Centro's advisement services. The 2 to 1 female-to-male ratio closely reflects the all student gender data.

Table 3: *Center Usage Cross tabulation by Gender and Ethnicity for February 1, 2010 thru June 30, 2010*

		Ethnicity					
		Prefer not to specify	Hispanic		African American-Black	Navajo Dine	White Non-Hispanic	Total
Gender	Female	1	76	66.7%	4	1	3	89
	Male	1	38	33.3%	0	1	2	44
Total		2	114	100.0%	4	2	5	133

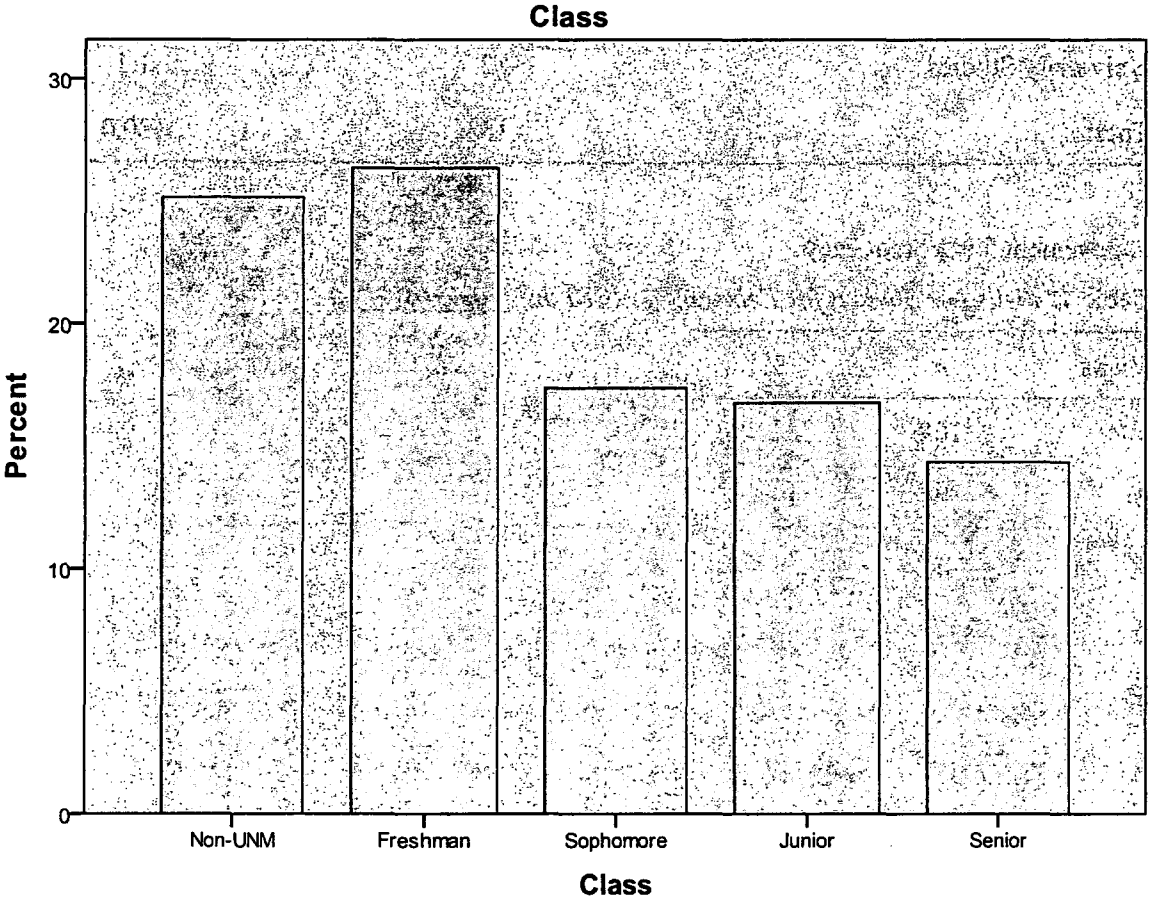
Student Classification

Table 6 demonstrates that 25% of advisement is to non-UNM students. Most are high school and transfer students coming to El Centro for admissions information while the remaining 75% of advisement is with current UNM students. Freshman students make up more than 25% of all advisement sessions.

Table 6: *Center Usage by Classification for February 1, 2010 thru June 30, 2010*

Classification	*n*	%
*Non-UNM	42	25.1
Freshman	44	26.3
Sophomore	29	17.4
Junior	28	16.8
Senior	24	14.4
Total	167	100.0

*All students recorded in AdvisorTrack without a classification are assumed to be Non-UNM.



Academic College

Table 5: *Center Usage by College for February 1, 2010 thru June 30, 2010*

College	*n*	%
Anderson Schools of Management	4	2.2
College of Arts & Sciences	34	18.5
College of Education	3	1.5
Main Campus	1	.5
School of Engineering	1	.5
Special Status	58	31.7

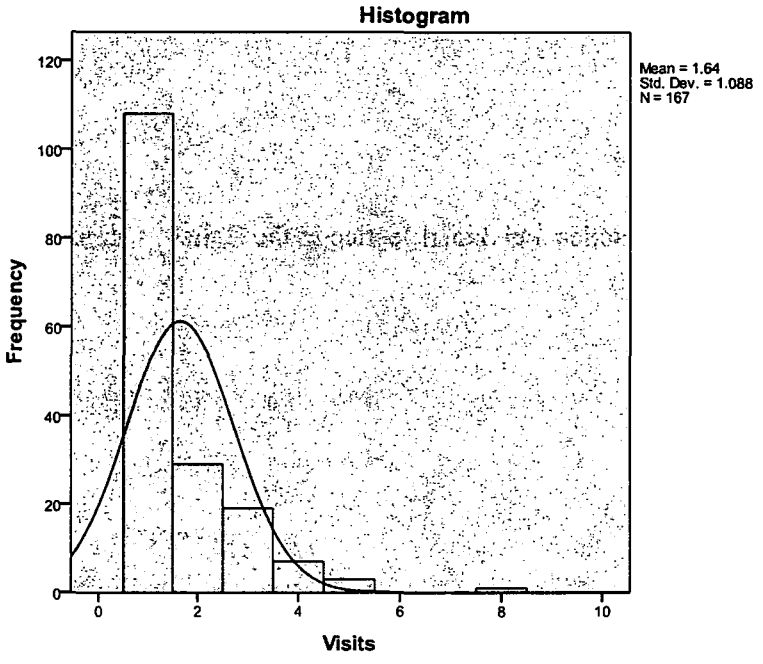
University College	80	43.7
University Studies	2	1.1
Total	183	100.0

Advisement Visit Frequency

Table 7: *Visits per Student for February 1, 2010 thru June 30, 2010*

Visits	*n*	%
1	108	64.7
2	29	17.4
3	19	11.4
4	7	4.2
5	3	1.8
6	0	0
7	0	0
8	1	.5
Total	167	100.0

Figure 1: *Histogram of Visits per Student for February 1, 2010 thru June 30, 2010*



Internal Database

These following data came from the custom internal database from FY09. The advisement data overlaps with the advisement data from AdvisorTrack between the dates of February 1, 2010 and June 30, 2010. Unlike the AdvisorTrack data, the information from this database is student reported. The information was input by students upon entrance to the center at kiosk at the front desk. This information demonstrates what type of advisement student visit El Centro for, but not necessarily the service(s) they receive. It is not uncommon for a student to come in seeking academic advisement and also receiving financial aid advisement, career advisement and personal support.

Table : *Student Reported Advisement Session by Fiscal Year Quarters*

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Sessions	937	612	379	416	2344

CULTURAL AND STUDENT PLANNING

16 de septiembre celebration
AASS Brown Bag, Dr. Charles Becknell
AASS Brown Bag, Dr. Jamal Martin
Curanderismo Class
Dia de la Raza
Dia de los Muertos
Dr. Laura Rendon entitle "Contemplative Practice and Social Justice in the College Classroom: A Sensing Thinking Pedagogy
El Grito – Mexican Independence Day
Harvest Feast
Haunted Basement
Hispanic Heritage Month
Honoring Cesar Chavez
International Student Day
Las Posadas
NASIRG Indigenous Day Celebration
Raza Graduation
Raza Junta

TITLE V PARTNERSHIP

Title V assigned five tutor/mentors to El Centro for the academic year. These students supported the ongoing activities of El Centro such as school visits, spoke on behalf of El Centro during the SFRB Hearings, and photographed major events. This partnership will be carried on into the following year.

CAPS REPORT

CAPS tutors saw 799 students at Mesa Vista Hall. Total visits to Mesa Vista Hall for the same time period were 1,696. Approximately 600 of these students, and 1,272 of these visits, took place at El Centro. The two services provided during this time period were Writing and Spanish tutoring in Room 1157, Math/Science tutoring in Room 1152.

2009-2010 LEGISLATIVE GOALS - RPSP

I. **El Centro will positively impact retention and graduation of undergraduate and graduate/professional student through academic, cultural/personal and professional activities designed to build a sense of community and a supportive environment.**

Goal/Obj. #	Measure #	Performance Measure	Target FY10	Actual FY10	Summary of Results
I.1	1	Information and outreach to UNM students and families.	7500 students & families	7364	98% of targeted goal met. Due to budget cuts and staff shortage, we did not exceed our goal, however we sufficiently tracked all campus student contacts through self reported staff data.
I.1	2	Advisement sessions.	1300 sessions	2344	180% of targeted goal met, due to the enrollment increase and demonstrated need of student advisement. The number of actual advisement sessions, exceeded our expectations.
I.1	3	Leadership development for students.	32 students	31	Targeted goal met. Students were involved in various leadership initiatives.
I.1	4	Students in El Centro mentoring program.	200 students	30	Targeted goal not met due to staff turnover. FY11 Mentoring program has been reorganized.
I.1	5	Referrals.	2000 student contacts	650	Targeted goal not met due to data collection limitations. El Centro is currently working on integrating a more accurate system to gather referral data.
I.1	6	Scholarships and sponsorships.	60 scholarships and sponsorships	97	Exceeded goal. Student emergency scholarship needs have increased tremendously, as a result we have lowered the amount per student in order to increase volume.
I.1	7	Cultural programming attendance.	2000 students & families	2576	Exceeded goal.

II. El Centro will recruit Latino students and provide information to Latino students and their families about UNM and El Centro programs/activities.

Goal/Obj.	Measure #	Performance Measure	Target FY10	Actual FY10	Summary of Results
II.1	1	Information and outreach to Non-UNM students, families and community contacts	1600 contacts	1272	Target goal not met due to reorganizing of K-12 recruitment efforts and staff shortage.
II.2	2	Student and family survey participants.	1000 participants	25	Target goal was not met because the full survey has been postponed for FY11. Pilot project was successful with 25 participants.

III. El Centro will use program evaluation and assessment data for continuous improvement and to ensure its relevance in academic, cultural and professional aspirations of Latino students.

Goal/Obj. #	Measure #	Performance Measure	Target FY10	Actual FY10	Summary of Results
III.1	1	Program assessment participants.	300 students	55 sponsors & 445 students	Target goal exceeded due to increased requests from schools and organizations to provide culturally relevant and bilingual UNM information. This number was gathered from program evaluation forms.

2009-2010 Student Traffic Self-Check In Reasons by Visits and Walk-Ins

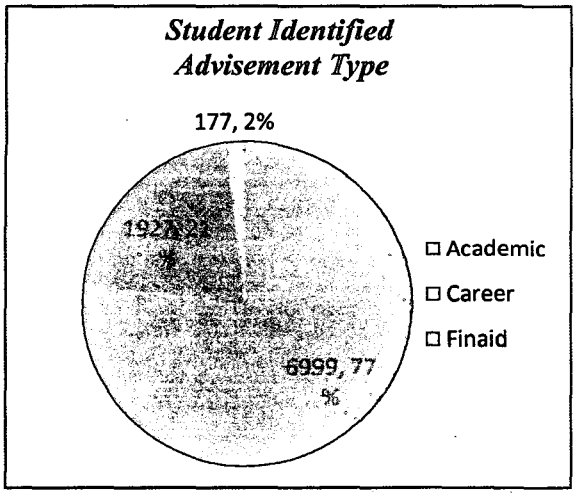
	NonUNM	Walk-In*	Study	Computer	Appt	*n*
Visits	0	124	110	92	102	428
Walk -Ins	0	480	130	2870	6579	10059
Total	0	604	240	2962	6681	10487**

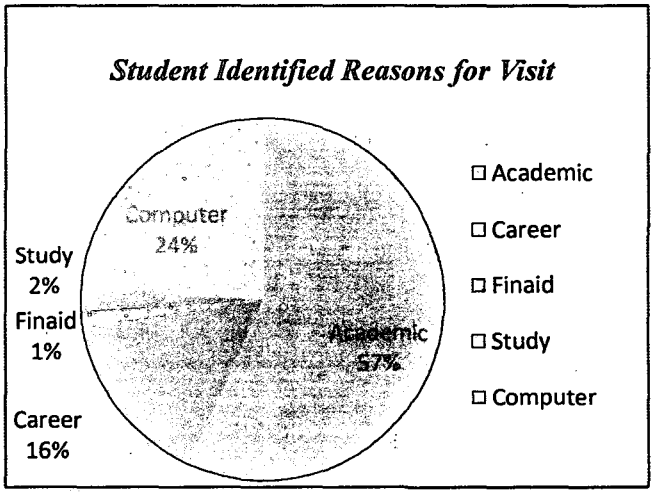
*Please note that this database system allowed students to "walk-in" and identify "walk-in" as a reason for their visit.

2009-2010 Self-reported Student Advisement Type by Visits and Walk-Ins

	Academic Advisement	Career Advisement	FinAid Advisement	*n*
Visits	28	341	33	402
Walk - Ins	6971	1586	144	8701
Total	6999	1927	177	9103**

**Students could also select more than one reason for a visit, although the data did not allow for disaggregation.





EL CENTRO DEPARTMENTAL SCHOLARHSIPS AND SPONSORSHIPS

El Centro scholarships awarded to students totaled $58,719. This amount included emergency scholarships for students in urgent need of financial support, internship scholarships, graduate fellowship program, faculty support, Ida Romero scholarship and sponsorship for students (and student organizations) to attend, present and host various types of events, projects and conferences on and off campus. Scholarship information is posted on El Centro's web site, which includes national, state, local and UNM scholarship information. El Centro has created a new Emergency Scholarship

Application this year that is based exclusively on student financial need and is provided through Spring, Fall and Summer semesters. All scholarship and sponsorship opportunities, including internship and graduate fellowship programs, were advertised to students through our El Centro list serve, website, external community partners and Facebook.

Scholarship/Sponsorship	**Total**	**Qty**
Emergency	13,554.00	42
Internship	18,000.00	13
Ida Romero	2,000.00	2
NUFP Fellowship	4,750.00	5
Community Fellowship	10,280.00	4
Faculty Fellows	4,000.00	6
Graduate Fellowship	5,000.00	21
Ida Romero Scholarship	2,000.00	4
Sponsorships	1135.00	8
Total Scholarships	**58,719**	**103**

CONFERENCE ROOM, LOCKER, AND EQUIPMENT USAGE

	Spring 2010	Summer 2010	Fall 2009	**Total Usage**
Conference room Usage	252	34	308	**594**

Locker rentals	20	2	25	**47**

Equipment Check Out

Podium 1	Lcd projector 8	Lap top 18	Tripod 2	Dolly/Clicker/Recorder 1
Master key 10	Calculator 1	Sony camera 4	Walkie talkies 10	sound system 11
Sandwich board 17	Speakers 2	Sombreros 11	Guitar 3	Table 2
Power cords 3	Costumes 13	Table cloths 1	Flags 10	Books 2

CLOSING

El Centro continues to strive towards excellence. The department will be financially challenged in the upcoming year but welcomes the chance for creativity and honest assessment.

DREAM CONFERENCE FINAL REPORT

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Executive Summary

The DREAM Conference was a successful event organized and provided by UNM students and many partners within the UNM community. The main purpose of this conference was to raise awareness and educate our community about the Development, Relief and Education for Alien Minors (DREAM) Act. The main target audience for this conference was high school students. This conference not only benefited high school students, but also the organizers who gained experience and perspective in the community organizing field. Without the support of many partners and their contributions, this conference would not have been possible.

Overview

The 2010 DREAM Conference took place from May 4 to May 6, 2010 bringing together the UNM community to educate high school students and community members about the Development, Relief and Education for Alien Minors (DREAM) Act. This event consisted of educative workshops and activities about the DREAM Act, its current status in Congress, and how everyone is can get involved with existing organizations working on getting the bill passed. The documentary "Papers" about undocumented students' lives and struggles was also screened as part of the conference.

Target Audience

The target population for the DREAM Conference was students from high school through graduate school. With the help of ENLACE New Mexico and College Enrichment and Outreach Programs, more than 100 high school students attended the conference. The coalition of student organizations that planned the event also outreached to undergraduate and graduate students from across the state.

Goals & Objectives

Two of the main goals of the conference were to educate the community on the DREAM Act and to create networks. The first goal was reached as the participants attended various workshops throughout the conference. The participants gained an understanding of what the DREAM Act is, its current status, and how to organize the community around this issue. This conference also created spaces for participants to network with other students, with community members and the UNM community.

Benefits to UNM Students

The benefits of hosting the DREAM Conference to students at UNM can be summarized in three parts: organizational and managerial skills, fundraising for a non-profit cause, experience educating communities. The DREAM Conference planning committee was mostly formed by UNM students. These students gained invaluable organizational and managerial experience by planning and executing an event of this magnitude. Additionally, these students learned how to network with sponsors and navigate the processes that are essential to acquire funding to host the conference. Lastly, the students in the committee learned how to reach to different communities to provide them with educational material and the opportunity to attend educational events like the DREAM Conference.

The DREAM Conference also benefited other UNM students by providing a space for them to learn about the DREAM Act and its implications.

Participants

The DREAM Conference had two levels of student participants: students of the planning committee and conference attendants. The planning committee grew to a group of about 20 UNM students (not counting other UNM community members and outside UNM community members).

To document the conference attendants, we used a registration system through Google Docs ® that we launched about a month before the conference. With this registration system, the user had the option to submit a self-registration or a group registration. At the end of the conference, we documented 65 entries: 57 self-registrations and 8 group registrations. Based on the group and self-registrations, we estimate that there were 265 participants throughout the 3 days of the conference.

Follow Up

Three main vehicles to follow up with the participants after the conference are a nationwide list serve, a statewide network of students, and a community based organization. Students that participated in the workshops were invited to join a nationwide listserv for DREAM Activists. Through this listserv, the participants will receive updates about relevant legislation, and requests to take action, such as calling congress people. Additionally, the participants were invited to join a statewide network of students called New Mexico Students in Action. This network of students has been taking strong initiatives to promote the DREAM Act in the state by organizing awareness campaigns. Lastly, the participants were able to network with Somos un Pueblo Unido. This is a community based organization whose main purpose is to defend the rights of immigrants.

Additionally, thanks to the donations from different partners, there was a surplus of funding for the conference (please refer to page 5). This surplus of money will be designated to fund scholarships for UNM students who will be eligible to apply regardless of citizenship. This initiative is aligned with the endless efforts to promote and support a rich diversity within the UNM community.

Funding and Expenditures

Funding

Contributors	Amount
ENLACE	2,000.00
El Centro	175.00
Dr. Torres	1,000.00
PNMGC	550.00
Dr. De Leon	1,000.00
Total	**$ 4,725.00**

Expenditures

Item	Projected	Actual
HS Lunch	500.00	-
Continental Breakfast	300.00	65.00
Film	550.00	550.00
HS transportation	2,000.00	1,500.00
Advertising	300.00	-
T-Shirts	1,475.00	1,475.00
Name tags		20.00
Banners		60.00
Total	**$ 5,125.00**	**$ 3,670.00**

Surplus

Total funding	4,725.00
Total expenditures	3,670.00
Surplus	**$ 1,055.00**

40th Anniversary of El Centro de la Raza
Monday, October 5, 2009
By the President of the University of New Mexico

Proclamation

WHEREAS, El Centro de la Raza was founded in 1969 for students, by student and community activists, to bring together students, faculty, staff, community members and families to stand together against oppression and transcend geographic and cultural communities for the achievement of collective power through life-long learning; and

WHEREAS, El Centro de a Raza supports the transformation of students through the building of knowledge, skills, and responsibility; and

WHEREAS, mentoring programs sponsored by El Centro de la Raza provide academic, social, and cultural support to UNM's students; and

WHEREAS, El Centro de la Raza has a rich history of working in partnership with UNM to support civic engagement and community building; and

WHEREAS, the mission and vision of El Centro de la Raza are aligned with key elements of UNM's strategic direction, such as becoming a national leader as an Hispanic serving university; and

WHEREAS, El Centro de la Raza is committed to building on its 40-year legacy of advocacy, holistic support, and partnerships as it looks forward to the next 40 years;

Now, THEREFORE, I David J. Schmidly, President of the University of New Mexico, do hereby congratulate El Centro de La Raza on its 40th anniversary of service to students at the University of New Mexico and proclaim El Centro de La Raza a valued partner in supporting student success.

Signed, on this 5th day of October, 2009.

David J. Schmidly

El Centro de la Raza White Paper

MSC06 3830
1 University of New Mexico
Albuquerque, NM 87131-0001
(505) 277-5020
www.unm.edu/~elcentro

El Centro de la Raza –
40 Years of Hispanic Serving Programs

Verónica Méndez-Cruz, Director

12/16/09

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Introduction

El Centro de la Raza is the only office at the University of New Mexico that focuses on meeting the needs of Hispanic students and families. El Centro provides guidance and assistance to ensure that students have the tools to succeed and are able to give back to the state of New Mexico.

El Centro de la Raza serves the largest and fastest growing ethnic population at the University of New Mexico. El Centro provides support and advocacy services to over 3,000 Hispanic students and families every year. The staff of El Centro is passionate about developing and implementing innovative programs that meet the needs of Hispano/Latino communities across New Mexico.

El Centro's Mission

Engaging the Raza community, El Centro de la Raza provides tools for self-determination and resiliency. El Centro supports the transformation of students by advocating for the development of knowledge, skills and responsibility. Challenging self and systems to achieve social justice is motivation for El Centro's work. Established in 1969, for students by student and community activists, El Centro continues the legacy of advocacy, holistic support and partnerships.

El Centro's Goals

1) To recruit Latino students and provide information to Latino students and their families about UNM and El Centro programs/activities.
2) To positively impact the retention and graduation of Latino students

through academic, cultural/personal and professional activities designed to build a sense of community and a supportive environment.

3) To use program evaluation and assessment data for continuous improvement and to ensure its relevance in academic, cultural and professional aspirations of Latino students.

El Centro's Services

1) Academic, financial aid, career, and personal advising
2) Advocacy
3) Community outreach
4) Bilingual recruitment services
5) Student leadership development
6) Facilities for studying, socializing, meetings,
7) Computer pod
8) Satellite offices for the UNM Libraries, Center for Academic Support (CAPS) tutoring services and Career Services.

Statement of Need

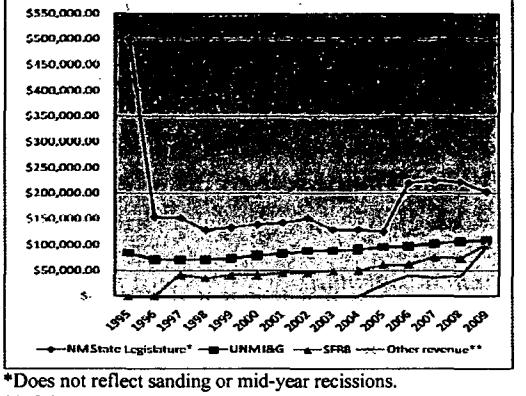
For the past 40 years, El Centro de la Raza has been committed to the recruitment, retention, graduation and success of Hispanic students at UNM. Limited funding continues to decrease, while the student population increases. Although the number of Hispanic students enrolling at UNM has increased, access, equity and success of these students continues to be a challenge. This dynamic has put a strain on El Centro de la Raza to continue to provide quality programs and services to the students and families of New Mexico.

Funding

El Centro receives funding from various sources, all of which are legislative funding or institutional funding, in the form of Instruction and General (I&G), Student Fees or interdepartmental funds.

Figure 1 illustrates the four types of funding El Centro uses for Hispanic student retention initiatives. It is apparent that the majority of El Centro's funding is neither reliable, nor consistent.

Figure 1: **El Centro de la Raza Fund History 1995-2009**



*Does not reflect sanding or mid-year recissions.
** Other revenue - Includes other UNM department support for various programming/operational needs.

Senate Bills 313 and 173 granted El Centro its first bout of legislative funding in the amount of $500,000 for the 1996 fiscal year. These non-recurring monies have fluctuated throughout the past 13 years (see Figure 1). This funding once provided for operating, programming and student support costs. It is currently completely dedicated to salaries and benefits for three professional staff and an administrative assistant. There are no operating costs available through this funding source.

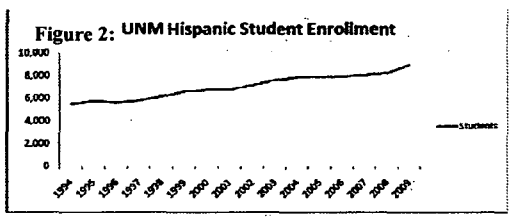
I&G funds support salaries for the director, a program coordinator and a telephone line. **There are no operating, programming or student support costs available in I&G funding.** This is the only permanent funding the department receives. I&G funds have increased by

$37,000 over 13 years, which has provided conservative, cost-of-living salary increases. This funding has never increased to compensate for legislative decreases. The department has been able to receive funding from generous campus and community partners in the form of one-time gifts (see "other revenue" in Figure1).

The Student Fees Review Board (SFRB) grants student monies to departments through an annual student review process. El Centro's SFRB funding is currently committed to all operating costs. This is everything from paper, equipment maintenance, computers and telephone lines to student scholarships, programming and services. El Centro must reapply for this funding annually.

Student Enrollment

Since 1994, Hispanic student enrollment has been on an increase (see Figure 2). Some of this can be attributed to the efforts of El Centro providing family friendly, motivational, bilingual recruitment services in the Hispanic community.



Source: UNM Enrollment Management

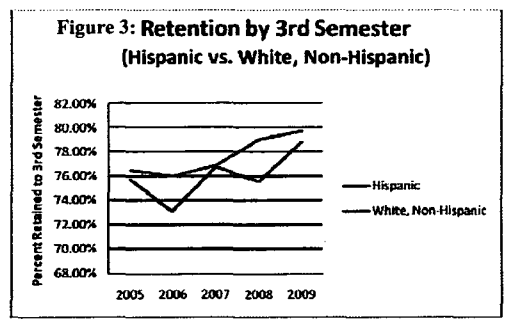
This poses a predicament; once the students are enrolled at the institution, it is the responsibility of the university to assist in their success. El Centro takes on this task as part of its mission. This requires human and fiscal resources that are becoming increasingly scarce.

Access, Equity and Success

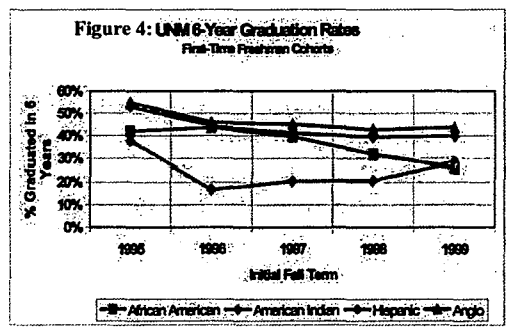
Issues of access to the institution, equitable, educational resources and degree completion continue to face the Hispanic student population.

Due to the unique "minority-majority" demographics of our state, UNM has become a Hispanic enrolling institution. In the 2009 freshman cohort; Hispanics are 42.8% and White, Non-Hispanics are 38.37%. Hispanic student enrollment has seen a overall increase of 14.7% in one year as opposed to the approximately 5% decrease in the white student population (2009 UNM Official Enrollment Report – Page 12).

Still, Hispanic students fare worse than their White, Non-Hispanic counterparts in 3rd semester retention (see Figure 3) and 6-year graduation rates (see Figure 4).



2006 UNM Graduation Task Force - Page 102



2006 UNM Graduation Task Force - Page 102

Overall, the university has been successful in enrolling large numbers of Hispanic students but continues to suffer shortfalls in the success of these

students. El Centro is committed to continuing its contributions to Hispanic student success, building partnerships and sustaining the community with the development of young leaders.

Previous Options

Although El Centro has always been fiscally conservative with funding, fully aware that the money belongs to the people of New Mexico, the current fiscal state has dramatically impacted El Centro's ability to serve. El Centro is currently seeking supplemental grant funding to support the department. The critical nature of department finances has forced El Centro to rely on the generous contributions of other departments and organizations. The current economic strains have impacted all previous supporters and it has become much more difficult for them to lend necessary financial support.

Praxis Solution

El Centro recommends the following solutions:

Reinstate Original Legislative Funding Allocation to Equal $250K

Shaving and harvesting has decreased annual legislative funding which supports department staffing and student programming. This funding is necessary to continue the mission of El Centro de la Raza.

Maintain Special Projects Funding

At the bare minimum, the existing legislative special projects funding must remain in place. Any reduction in this area will result in the cutting of 1 FTE. The loss of a staff position will also require a decrease in programming due to a lack of human resource capacity.

Increase of I&G Funding

An increase in the institution's financial commitment to the retention of Hispanic students is critical to the diversity mission of the university. The institutional funding for El Centro has been minimal over the past 40 years. An increase in this funding will underscore UNM's commitment to holistic, culturally-specific Hispanic student programming.

Benefits

The work of El Centro de la Raza has touched the lives of many people in the state. From mentoring, recruitment efforts and Raza Graduation to civic engagement, advocacy, student internships and emergency scholarships, El Centro is instrumental to student success, builds strategic partnerships and develops new leaders for the future of the Hispanic community.

Students Success

El Centro is committed to the cultural, social, academic, familial, communal and emotional experience of students. The department and its programs value the dynamic experience of Hispanic students and their families at UNM.

"El Centro is very insidious; it gets under your skin...in a good way. It becomes very central to how you relate to the campus and your community. If I could figure out how exactly it does that, I would replicate it. You don't want to leave because it's like a family"

– Nancy Sepulveda, UNM Recruiter and El Centro Alumnus

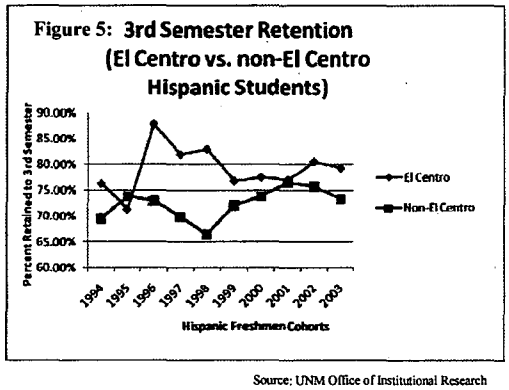
Research demonstrates that when students have holistic programming, services and advocacy such as El Centro, they fare better in their academics and

the campus climate is better for all students (Brown, 2008).

The success El Centro's endeavors is evidenced by the hundreds of alumni, many of them still advocating for El Centro's work and socially engaged in their professional and personal lives.

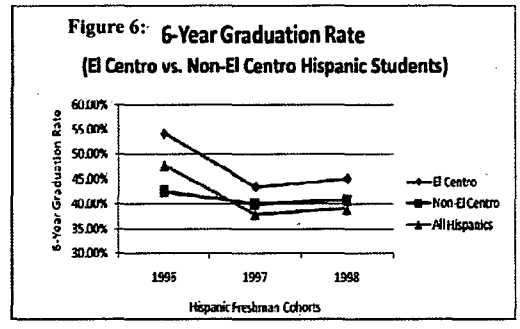
El Centro's student mentorship and leadership models encourage students to take risks while providing experiential learning opportunities. These initiatives are being replicated by various universities, college, schools districts and community agencies.

According to the Office of Institutional Research, Hispanic students engaged in El Centro services fare better in 3rd semester retention (see Figure 5) and 6-year graduation (see Figure 6) than those who have not been involved with El Centro. When this is compared with legislative funding (Figure 1), it is evident that the success of Hispanic students correlates with the amount of legislative funding provided to El Centro.



Source: UNM Office of Institutional Research

When adequate funding is present, El Centro students have better success rate than when the department is underfunded.



Source: UNM Office of Institutional Research

Partnerships for Success

Partnerships are crucial to the success of Hispanic students. Due to limited resources in the Hispanic community, social capital plays an important role in the lives of students and families. El Centro models the crucial partnerships, collaborations and relationship building necessary for students to succeed.

"...people might view collaboration as very difficult and stepping on other people's turf, the reality is that working with them [El Centro] is very empowering. The relationship that I, along with my office, have developed with El Centro is not only of partnership but a friendship. I can trust them to look out in the best interest of my program."

-Armando A. Bustamante
Program Specialist
Title V Educational Initiatives

El Centro creates partnerships that are communally beneficial. The partnerships are critical to bridging the gaps and decreasing the barriers for Hispanic students and families.

El Centro lends support to the campus in the areas of diversity, equity and inclusion for all students and is committed to building the capacity of departments and programs to meet the needs of students and families. American Indian Student Services and African American Student Services are valued partners in this effort.

Benefits to the Community

El Centro has set out to increase the academic, social and cultural opportunities and experiences for Hispanic students with the goal of building their capacity as future community leaders.

Through its internship program, El Centro has created connections between approximately 50 students and 20 various community organizations and partners. Each of these students have developed valuable life skills and contributed to the evolvement to the organizations.

"After 8 years and over 20 interns later, the students El Centro has provided us have been by far the most capable, enthusiastic and helpful to what the NHCC tries to accomplish in preserving Hispanic culture."

- Katie Trujillo, Administrator
History and Literary Arts
National Hispanic Cultural Center

The success of Hispanic students has a positive impact on Hispanic communities in New Mexico. Students who get involved in El Centro programs and services identify their passions and learn how to translate them into an academic and professional career.

El Centro alumni are social workers, state legislators, community organizers, social activists, educators, lawyers and doctors who have committed their work to the success of the Hispanic community. El Centro's modus operandi is *"if you can think it, you can do it, and El Centro will be there to help you."* This sends the message that nothing is out of reach. With some hard work and support, students can be the change needed in the community.

Implementation

Reinstate Original Legislative Funding Allocation to Equal $250K

Elucidate El Centro de la Raza as a university legislative priority. Gradual increase of Legislative funding can occur over a three year period equivalent to $83,000 per year, based on program assessment and demonstration of success.

Maintain Special Projects Funding

Highlight El Centro de la Raza as a university legislative priority. El Centro will continue to demonstrate appropriate use of these funds for student success through annual reporting and the special projects evaluation process.

Increase of I&G Funding

Gradual increase of I&G funding can begin with providing 1 additional FTE in FY11 and additional funds over the following three years. This will free up operating costs in legislative funds.

Summary

El Centro de la Raza has been instrumental in the success of Hispanic students and families in New Mexico for over 40 years. The unique programs, services and environment of El Centro target the plight of Hispanic students and prepare students to be productive citizens.

The collaborative partnerships created encourage and support the cultural competence of the entire campus. El Centro is always present in the advocacy for students and families in need and plans to continue to add to the strength and development of the Hispanic community.

250

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UNIVERSITY OF NEW MEXICO
Annual Report for Academic Year 2009-2010
July 1, 2009 – June 30, 2010

Submitted by:
Douglas M. Brown
Dean
The Anderson School of Management

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

The Anderson School of Management

The Anderson School of Management has experienced unprecedented growth in the past year with a 32% growth in the graduate programs. Significant developments in the past year are detailed below.

Anderson Significant Developments

- Anderson's BBA graduation rate remains steady at 86%.
- Research productivity has doubled over the last four years.
- Anderson's diversity of student body continues to increase and on the undergraduate level approximately reflects demographics in our community. Hispanic Business magazine ranks Anderson #6 in the nation in representation of Hispanic students.
- Anderson's Marketing Department continues to win national awards, the latest being one from the FBI for the top marketing campaign in the U.S.
- The Daniels Fund recently awarded the school a $1.25 million grant to spread business ethics education throughout other institutions of higher learning throughout the state. We are working in collaboration with New Mexico State University.
- As integrity should begin at home, we have established an Honesty Task Force involving students and faculty to update standards, gain commitment to those standards, and establish consistent monitoring and enforcement. Faculty must do their part in designing tests and proctoring exams in a manner that minimizes temptation to cheat.
- Anderson is ranked #19 in the U.S. for its contributions to social responsibility, as recognized by the Aspen Institute.
- An Anderson Alumni Council has been established to improve our connection with alumni, to provide a forum for networking and idea exchange, and to cultivate relationships that should yield to increased financial contributions.
- Increase in use of on-line teaching – projected at 60% more next year.
- Establishment of a Regional Forensic Computing Lab in collaboration with the FBI. UNM is one of two universities in the U.S. to be selected. Both our accounting and

MIS faculty are involved in training Anderson students as well as law enforcement officers at all levels.

- Student services have been increased significantly – an additional advisor, 40 new internships, internships now certified for course credit, a Toastmasters chapter established, a new Career Services course launched, and free Business Week subscriptions for all MBA students.

- Community involvement stepped up. Among initiatives is the establishment of an Anderson Speakers Bureau.

- The Development Office exceeded their fundraising goals by 80%.

- Our international outreach continues to expand with student exchanges in Brazil, France, and Hungary. This year's affiliation with Centro Fox is our third active program with Mexican institutions.

In the academic year 2009-2010, the leadership of the Anderson School of Management focused on preparation for the five-year maintenance of accreditation visit by the AACSB which is scheduled for Fall 2010.

The Anderson School's programs and faculty members continued to achieve international recognition in key areas of knowledge advancement and quality education. Faculty continued to participate in and present their research at a diverse set of international conferences.

For the fifth year, Anderson managed the annual UNM Technology Business Plan competition, which supports the creation of high technology businesses. Teams from a variety of colleges competed for $40,000 in start-up funding. Anderson faculty directly mentored many of the teams participating in the competition.

Anderson's commitment to economic development in New Mexico continued through a variety of outreach efforts. For example, Anderson and the American Indian Business Association (AIBA) sponsored the Fourth Annual Native American Career Fair which helps Anderson build bridges with the Native American business community and allows the school to identify good jobs for its students.

In 2009-2010, Anderson continued to sponsor direct engagement opportunities with and for UNM faculty, students, staff, local business leaders, the business community and leading experts in various business fields. The Distinguished CEO Lecture Series has been endowed through the support of Sonnet and Ian McKinnon. Ian McKinnon presented the inaugural lecture "Investment Applications of Behavioral Finance: Where Psychology and Economics Meet."

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Departments and student organizations sponsored numerous speakers and panel discussions throughout the year.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Statement of Mission and Goals

Mission

We seek to develop and inform business and management leaders through a balance of teaching and scholarship, and to contribute to economic development and the quality of life of our constituents.

Goals

- **Quality Education:** Provide high-quality, value added management education programs at the undergraduate and graduate levels for students who come primarily from the diverse population of New Mexico.
- **Knowledge Advancement:** Advance the knowledge and practice of management through scholarly activities.
- **Economic and Professional Development:** Promote economic development in New Mexico and continue to provide professional development opportunities for our constituents.
- **Vibrant Intellectual Atmosphere:** Foster a vibrant climate of academic excellence that actively engages all elements of the Anderson community.
- **Careers for Graduates:** Enhance the career preparedness of students by expanding quality employment opportunities for Anderson graduates through strong ties with organizational recruiters.
- **Stakeholder Relationships:** Strengthen relationships with and support to internal and external constituents to enhance Anderson's visibility and reputation.

The Anderson School comprises four departments: Accounting; Department of Organizational Studies (DOS); Finance, International, Management of Technology, and Entrepreneurship (FITE); and Marketing, Information and Decision Sciences (MIDS). The individual departments' annual reports follow.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

DEPARTMENT OF ACCOUNTING (JULY 1, 2009-JUNE 30, 2010)

Chair:	Craig White	Professor
Full-time faculty:	Philip D. Bougen	Associate Professor
	Rich Brody	Professor
	Ann K. Brooks	Lecturer
	Michele Chwastiak	Associate Professor
	Norman Colter	Lecturer
	Robert Gary	Assistant Professor
	James Hansen	Assistant Professor
	Reed McKnight	Assistant Professor
	Leslie S. Oakes	Associate Professor
	Robert J. Tepper	Lecturer
	Dennis F. Togo	Professor
	Craig G. White	Associate Professor
	Joni Young	Professor
Part-time faculty:	Dawn Addington	Julie Clover
	Lisa Flores	John Christopher Fogel
	Brandon Haines	Jeanine Steffy
	Dennis Sterosky	

SIGNIFICANT DEVELOPMENTS FOR ACADEMIC YEAR, 2009-2010
DEPARTMENT OF ACCOUNTING

The department prepared for its upcoming accreditation visit while continuing to implement its 2008 – 2011 strategic objectives. The objectives addressed during 2009-2010 and plans for the future include the following:
The current goals and progress towards completion are detailed below.

Goal 1: Continuously improve the graduate accounting concentration curriculum to include:

- *Evaluate the accounting electives available to MACCT advanced track and decide whether additional course offerings are needed*
- *Expanding offerings in information assurance by working with the MIDS department.*
- *Working with the UNM Law School to expand ASM graduate student access to law school offerings and law student access to graduate accounting offerings.*

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

- *Development and assessment of knowledge sets appropriate for our advanced track students and use this information to provide better advice regarding elective courses within the program*

This goal furthers the overall ASM goal of quality education.

Progress towards Goal:

The Department regularly reviews and updates its class offerings in the graduate accounting curriculum. Examples of new courses offered and modifications to existing courses in furtherance of this goal are the following: 1) Splitting of Governmental and Not-for-Profit Accounting into separate courses, and 2) Addition of Fraud and Forensic Accounting courses.

The Department also continues to assess delivery modes across the curriculum (online versus face-to-face). The outcomes in online courses will be compared with face-to-face classroom settings to help improve both instruction modes.

The Department added the Special Topics course "Tax Penalties and Criminal Forfeitures" to address the law enforcement side of the tax law. This class provides a course to assist MACCT tax students to graduate and also counts as an Information Assurance elective. We have further special topic courses in internal auditing and tax aspects of retirement accounts under development for the Spring 2011.

Actions Items:

Over the next year, the department will continue to assess the additional online course offerings. This evaluation will include a comparison of test scores and teaching evaluations in each instructional mode. It will also include an assessment of the accomplishment of the goals of both online and face-to-face education including access and faculty coverage.

The Anderson School faculty has approved an Internship Course offering. The curriculum addition is currently going through university-level approval. The department will continue to discuss the proper approach to implement this course within the context of the accounting programs.

Goal 2: Provide faculty support to continue to enhance the Department's national and international reputation for excellence in interdisciplinary research in accounting and taxation as well as to ensure compliance with AACSB requirements for academically qualified faculty. This goal furthers the overall ASM goals of knowledge advancement and vibrant intellectual atmosphere.

Progress towards Goal:

Faculty have been successful in publishing in high quality journals in their areas of interest. Faculty members hold leadership positions in academic and professional service. Faculty have also been speakers at national and international academic and professional conferences.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Actions Items:

The Department is utilizing KPMG funding to support faculty research agendas. These funds provide summer support to develop intellectual contributions. During the spring of 2011, the department is planning a research seminar with faculty, students, KPMG professionals, and others to present the results of the summer research work.

Faculty will continue to use their access to these funds for travel to national and international conferences.

Goal 3: Provide support for the exchange of ideas with the wider scholarly community by inviting nationally and internationally recognized scholars to the UNM campus.
This goal furthers the overall ASM goals of knowledge advancement and vibrant intellectual atmosphere.

The department has sponsored talks from leading scholars on current accounting topics. For instance, Stephen Zeff, Professor at Rice University, spoke to students and external stakeholders on the progress towards International Financial Reporting Standards (IFRS).

Actions Items:

Chris Chapman, editor of *Accounting, Organizations, and Society,* has been invited to visit the Anderson School in January 2011. In addition, In addition, the department is working to bring Marcia Anisette, co-editor of *Critical Perspectives on Accounting* to campus during AY2010-2011.

Goal 4: Continue to attract national and local accounting firms to the accounting career fair to provide employment opportunities for accounting students and expand the number and type of such employers to include firms offering a variety of financial and professional services suitable for accounting and finance graduates.
This goal contributes to the overall ASM goals of careers for graduates.

Progress towards Goal:
The Accounting Department is fortunate to have a diverse group of employers attend the Accounting Career Fair. Recent additions to the attendees include Fidelity Investments, Sun Healthcare, USDA Forest Service among others.

In addition, we are seeking to attract more small- to medium-size accounting firms to the career fair. The Department has sent notice out through the New Mexico Society of CPA's newsletter providing information and inviting this group to participate in recruiting activities.

In addition, the Department is putting an emphasis on identifying part-time accounting employment and internship opportunities while students are in school. An example of internship opportunities is the "white collar" crime case assistance with the Bernalillo County Sheriff's office.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Actions Items:

The department will continue to use its academic and community contacts to bring additional employers to the career fair. For instance, at the recent Beta Alpha Psi convention in San Jose a national government agency recruiter expressed interest in attending the event. Likewise, ALPFA has had success in interesting potential employers in recruiting at Anderson due to the diversity of the student body.
The department is also working to expand its internship opportunities. One action item will be implementation of the agreement with the Office of the State Auditor to place student interns.

Goal 5: Evaluate and implement alternatives to increase graduate enrollments through programs aimed at our existing undergraduate students and/or efforts to attract other students through open houses, etc.

Progress towards Goal:
This goal was partly an outgrowth of the transition period following the state of New Mexico adopting the 150-hour education requirement. The department actively worked to educate students on the new requirements and encourage students to meet the requirements through graduate study. In recent academic years, the accounting programs have experienced substantial growth in the SCH generated at the graduate level.

Actions Items:
The department currently has the capacity to accommodate the increase in graduate student credit hours. However, class sizes are growing and the external environment is dictating shifting curriculum needs. The department will continue to monitor these developments and the associated resource requirements.

Goal 6: Continue our ongoing evaluation of departmental learning assurance efforts and their consistency with ASM initiatives
This goal furthers the overall ASM goal of quality education.

The department continued its implementation of its learning assurance methodology. This included measurement and action on identified learning objectives in the accounting curriculum.

Goal 7: Evaluate and as appropriate implement alternatives to enhance the academic and career success of our students through appropriate means such as evaluation of role of the accounting lab, possible additions to the curricula and/or "remedial" workshops intend to improve skills identified as needing additional efforts based on our learning assurance efforts
This goal furthers the overall ASM goal of quality education.

Progress towards Goal:
A major initiative resulting from this assessment has been an emphasis on written assignments. This goal is also encompassed in the rubrics discussed in the learning outcomes assessment.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Actions Items:
The department is currently assessing alternative CPA exam review approaches. Outcomes may include funding for self-study software and a study lab. The objective will be to assist students in taking advantage of the opportunity to pass the exam prior to completion of the 150-hour education requirement.
Another potential area for exploration is developing opportunities for students to enhance their speaking skills. For instance, the Anderson School has established a Toastmasters chapter. This venue may foster improvement in combination with practice included in the curriculum.

Goal 8: Discuss, evaluate and, as appropriate, implement alternative means through which the accounting faculty may contribute to the ASM goal -- Promote economic development in New Mexico and continue to provide professional development opportunities for our constituents.

Progress towards Goal:
The department has had multiple discussions on its role in promoting economic development in New Mexico. The general conclusion is that our primary focus under the mission is providing quality education to students. A qualified workforce is an important factor in job growth. A recent example of this activity is a presentation to the leadership group of the Fidelity Investment service center in Albuquerque. Fidelity is bringing additional service groups to Albuquerque and is looking to the Anderson School for qualified employees.

The department also contributes to economic development through its service activities. Members of the faculty work with non-profit agencies - an important part of the New Mexico economy. Interested faculty are exploring ways to further assist this group through financial education and direct accounting help.

Action Items:
The action item is continuing to assess the environment for opportunities. The challenge is taking on additional responsibilities while continuing to meet existing obligations.

Goal 9: Maintain good relationships with external stakeholders in the professional community. This goal furthers the overall ASM goal of strengthening relationships with external stakeholders.

Progress towards Goal:

The Accounting Department puts extensive effort into maintaining good relationships with external stakeholders in the professional community. The Department assesses and accomplishes this goal in a variety of ways including the following: 1) Hosting lunches with recruiters while they are on campus interviewing students, 2) Holding two Accounting Career Fairs – Fall event associated with on campus recruiting, Spring event less formal for internship and informational purposes, 3) Participating in firm hosted faculty dinners, 4) Attending firm hosted open houses, 5) Ongoing interactions with employers through student organizations (primarily Beta Alpha Psi and ALPFA), 6) Semi-annual meetings of the Accounting Advisory Council, and 7) professional

involvement in consulting activities, New Mexico Society of CPAs, United Way, Institute of Internal Auditors among others.

Action Items:

The Department will continue to use its one-on-one direct contact with stakeholders to facilitate communication. It will also continue to employ the Accounting Advisory Council as an important mechanism to foster the community relationship.

The employer and graduate surveys afford an opportunity for alumni to stay involved with the department.

SIGNIFICANT PLANS AND RECOMMENDATIONS
DEPARTMENT OF ACCOUNTING

PLEASE SEE NARRATIVE INCLUDED IN THE ABOVE SECTION

PROMOTIONS, SABBATICALS, SEPARATIONS, AWARDS
DEPARTMENT OF ACCOUNTING

Alistair Preston – one-year leave without pay – 2009-2010

Craig White – promotion to Full Professor – 2009-2010

PUBLICATIONS
DEPARTMENT OF ACCOUNTING

Phillip D. Bougen

Referred Articles

Bougen, P. D. (2009). Governing Alongside the Specter of Risk Society: Legislating U.S. Terrorism Risk Insurance 2001-2007. *The Open Law Journal (2),* 33-41.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Rich Brody

Referred Articles

Brody, R. & Kiehl, K. (2010). From White-Collar Crime to Red-Collar Crime. *Journal of Financial Crime, 17 (3)*, 351-364.

Brody, R. & Luo, X. (2009). Fraud & White Collar Crime: A Chinese Perspective. *Cross Cultural Management: an International Journal, 16 (3)*, 317-326.

Brody, R. (2010). Beyond the Basic Background Check: Hiring the Right Employees. *Management Research News, 33 (3)*, 210-223.

Presentations

Brody, R. (2010). *Preventing Fraud: The Damage of Deception.* Greater Albuquerque Chamber of Commerce Soaring to New Heights Conference, Albuquerque, New Mexico.

Brody, R. (2009). *Fraud Prevention and Examination 101.* ACCION, Albuquerque, New Mexico.

Brody, R. (2010). *What is Information Assurance.* Southwest Regional Conference of the American Accounting Association, Dallas, Texas.

Brody, R. (2010). *Proactive and Reactive Approaches to Fraud Prevention.* KFUPM, Dhahran, Saudi Arabia.

Brody, R. (2010). *The Influence of Role on Accountants' Perceptions of Issues and Valuation.* King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia.

Brody, R. (2010). *Fraud, Organizational Culture and Corporate Governance.* Saudi Aramco, Dhahran, Saudi Arabia.

Brody, R. (2010). *Proactive and Reactive Approaches to Fraud Prevention.* Saudi Aramco, Dhahran, Saudi Arabia.

Brody, R. (2010). *Fraud Roundtable.* Executive Forums, Albuquerque, New Mexico.

Brody, R. (2009). *Preventing and Detecting Fraud in Nonprofit Organizations.* Anderson School of Management's Nonprofit Day, Albuquerque, New Mexico.

Brody, R. (2010). *Understanding and Managing Business Fraud.* CFA Society of New Mexico, Albuquerque, New Mexico.

Brody, R. (2010). *'The Anatomy of a Fraudster.' Celebrating Faculty Research.* University College of the University of New Mexico, Albuquerque, New Mexico.

Brody, R. (2010). *White Collar or Red Collar Criminal?* Albuquerque Chapter of Certified Public Accountants, Albuquerque, New Mexico.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Brody, R. (2010). *Fighting Fraud in the 21st Century.* Bill Daniels Business Ethics Workshop, Santa Fe, New Mexico.

Brody, R. (2010). *From White Collar to Red Collar.* Information Assurance Analysis Skill Community Speaker Series - NSA, Fort Meade, Maryland.

Brody, R. (2010). *From White Collar to Red Collar Crime.* Southwest Regional Conference of the American Accounting Association, Dallas, Texas.

Brody, R. (2010). *Consulting Service Post- Sox: Has the Issue of Objectivity been Resolved.* Southwest Regional Conference of the American Accounting Association, Dallas, Texas.

Brody, R. (2010). *Fraud in the New Century: Fraudsters, Detection, Prevention.* American Association of Individual Investors Albuquerque Chapter meeting, Albuquerque, New Mexico.

Brody, R. (2010, June). *When White Collar Crime Turns Red.* Albuquerque Chapter of the Association of Certified Fraud Examiners, Albuquerque, New Mexico.

Brody, R. (2010, June). *The Anatomy of a Fraudster.* AAA-CPA Annual Meeting, Albuquerque, New Mexico.

Honors/Awards

2009-2010: Rutledge Professorship Anderson School of Management.

Michele Chwastiak

Referred Articles

Chwastiak, M. & Funnell, W. (2009). Editorial: Accounting and the Military. *Accounting History, 15 (2)*, 147-152.

Honors/Awards

2009-2010: Anderson School of Management REDW Lectureship Anderson School of Management, University of New Mexico.

Robert Gary

Referred Articles

Gary, R. F., Terando, W., & Bouillon, M. (2009). Are JCT Analyses of Tax Change Proposals Useful to Individual Taxpayers? *eJournal of Tax Research, 7*, 134-157.

Gary, R. F. (2009). The Effects of the Capital Gains Tax Rate and Expectations of Subsequent Firm Performance on CEO Stock Ownership. *Journal of the American Taxation Association, 31*, 1-43.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Reed McKnight

Referred Articles

McKnight, R. & Cook, R. (2010). Immaterial or Insubordination? *Annual Advances in Business Cases.*

Presentations

McKnight, R. & Cook, R. (2010, October). *Should Cruise Lines Take a Proactive Stand Against Child Sex Tourism?* International Society of Travel and Tourism Educators, Long Beach, California.

Robert J. Tepper

Referred Articles

Tepper, R. & White, C. (2010). Academic Early Retirement: Do Tenure Buyout Warrant Unique Employment Tax Treatment? *Oklahoma City University Law Review (35).*

Tepper, R. & White, C. (2009). Speak No Evil: Academic Freedom and the Application of Garcetti v. Ceballos to Public University Faculty. *Catholic University Law Review (59)*, 125-182.

Presentations

Tepper, R. (2009). *Why You Should consider a Judicial Clerkship.* Hispanic National Bar Association Law Student Symposium, Albuquerque, New Mexico.

Tepper, R. & White, C. (2010). *Workplace Harassment in the Academic Environment.* Southwest Regional Conference of the American Accounting Association, Dallas, Texas.

Dennis F. Togo

Referred Articles

Togo, D. (2009). Maile-Ann Company: A Matrix Approach to Reciprocated Support Department Cost Allocations. *Journal of Business Case Studies.*

Proceedings

Togo, D. (2010). A Matrix Approach to Support Department Reciprocated Cost Allocations. *Decision Sciences Institute Western Region.*

Presentations

Togo, D. (2010). *A Matrix Approach to Support Department Reciprocated Cost Allocations.* Decision Sciences Institute Western Region, Lake Tahoe, California.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Togo, D. (2009, February). *Adding Financial Considerations to LP Models.* American Accounting Association Southwest Region, Oklahoma City, Oklahoma.

Craig G. White

Referred Articles

Tepper, R. & White, C. (2010). Academic Early Retirement: Do Tenure Buyout Payments Warrant Unique Employment Tax Treatment. *Oklahoma City University Law Review (35) (35)*, 169-191.

White, C. & Tepper, R. (2009). Speak No Evil: The Application of Garcetti v. Ceballos to Public University Faculty. *Catholic University Law Review (59)*, 125-182.

Presentations

White, C. & Brody, R. (2010). *Workplace Harassment in the Academic Environment.* Southwest Regional Conference of the American Accounting Association, Dallas, Texas.

White, C. & Tepper, R. (2010). *Academic Early Retirement: Do Tenure Buyout Payments Warrant Unique Employment Tax Treatment?* Southwest Regional Conference of the American Accounting Association, Dallas, Texas.

White, C. & Brody, R. (2010). *Consulting Services Post-SOX: Has the Issue of Objectivity Been Resolved?* Southwest Regional Conference of the American Accounting Association, Dallas, Texas.

White, C. & Gary, R. (2009, December). *Corporate Tax Update.* New Mexico Tax Conference, Albuquerque, New Mexico.

White, C. (2010, March). *Customer Engagement: Measurement and Valuation.* Greater Albuquerque Chamber of Commerce, Albuquerque, New Mexico.

Honors/Awards

2009-2010: Professor of Accounting Grant Thornton.

Joni J. Young

Referred Articles

Young, J. & Oakes, L. (2009). Reflections on the Practice of Research. *Accounting Forum, 33 (4)*, 280-284.

Young, J. (2009). The Absence of Dissent. *Accounting and the Public Interest, 9*, 1-9.

Young, J. & Oakes, L. (2009). Misplaced Trust: The American Indian Trust Fund Debacle. *Critical Perspectives on Accounting, 21 (1)*, 63-75.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Chapters, Cases, Readings, Supplements

Young, J. & Robson, K. (2009). "Sociopolitical Studies of Financial Reporting and Standard-Setting", In C. Chapman, D. Cooper & P. Miller (Ed.) *Accounting, Organizations and Institutions*. Oxford University Press.

Presentations

Young, J. (2009). *Success in Academia.* IPA Doctoral Colloquia, Innsbruck, Austria.

Young, J. (2009). *Socio-Political Studies of Financial Reporting.* London School of Economics, London, United Kingdom.

Young, J. (2009). *Too Little or Too Much Accounting.* London School of Economics, London, United Kingdom.

SERVICE ACTIVITIES
DEPARTMENT OF ACCOUNTING

Philip Bougen
Service: Professional

Reviewer: Ad Hoc Reviewer for a Journal
2009-2010: Canadian Social Science Council

Service: University

Department Assignments
Faculty Advisor:
2009-2010: EMBA Admissions

College assignments:
Faculty Advisor:
2009-2010: Budget Review Committee

Rich Brody
Service: Professional
Service: Community

Other Community Service Activities
2009-2010: Attorney General Expert Witness (volunteer)
2009-2010: District Attorney Expert Witness (volunteer)

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Service: Professional

Academic Conference: Moderator / Facilitator

2009-2010: American Accounting Association (International).

Member: Committee/Task Force

2009-2010: Association of Certified Fraud Examiners, Editorial Advisory Committee (International).
2009-2010: White Collar Crime Research Consortium (WCCRC) (International).
2009-2010: New Mexico Society of CPAs (International).
2009-2010: Institute of Internal Auditors (International).
2009-2010: American Psychological Society (International).
2009-2010: American Institute of Certified Public Accountants (International).
2009-2010: Association of Certified Fraud Examiners (International).
2009-2010: American Accounting Association (International).

Reviewer - Article / Manuscript

2009-2010: American Accounting Association, Annual meeting (International).
2009-2010: American Accounting Association, Mid-Year AAA Auditing meeting (International).
2009-2010: American Accounting Association, Mid-Year AAA ABO meeting (International).

Reviewer: Ad Hoc Reviewer for a Journal

2009-2010: Managerial Auditing (International).
2009-2010: Journal of Business Disciplines (International).
2009-2010: Issues in Accounting Education (International).
2009-2010: Behavioral Research in Accounting (International).
2009-2010: Auditing, A Journal of Practice and Theory (International).
2009-2010: Advances in Accounting Behavioral Research (International).
2009-2010: Advances in Accounting (International).

Service: University

Department Assignments

Chair:

2009-2010: Search Committee Chair

Member:

2009-2010: Anderson Policy & Planning Manual
2009-2010: Department of Accounting Search Committee

University Assignments

Member:

2009-2010: UNM Library Committee

Other Institutional Service Activities:

2009-2010: UNM Center for Information Assurance Research and Education: Associate Director

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Ann Brooks

Service: Community

Member of a Committee

2009-2010: Title V Evaluation Team, Member of NM State Title V Evaluation Team for NM Online Project

Other Community Service Activities

2009-2010: Fuller Center, Performed feasibility study on ability to sustain a Fuller Center in Albuquerque, NM

Service: Professional

Board Member: Advisory Board

2009-2010: Institute of Management Accountants, Responsible for meeting monthly to review financials, technical meeting evaluations and suggestions and planning monthly technical meetings. (State).

2009-2010: New Mexico Educators Federal Credit Union, As a Board Member - Review and approve credit union policies and procedures; review and approve annual budget and capital expenditures; develop 2-year startegic goals; objectives and benchmarks for management; review and approve monthly financials and management reports, review and approve monthly minutes of ALM, investment and compensation committees as well as serve on board policy, compensation and supervisory committees.

As Supervisory Comm. Member - Review and supervise Internal Audit Director and internal audit outsourcing; review internal control questionnaires and standardized audit plans' prepare requests for proposals of specialized audits; review and approve audit reports; report audit results to Board of Directors; review and respond to member complaints. (State).

Officer: Organization / Association

2009-2010: Institute of Management Accountants, VP of Finance and Admininstration - report monthly CPE requirements and review monthly membership reports for errors and add to local listing. (State).

Reviewer: Book / Textbook

2009-2010: Reviewed accounting textbooks (International).

Service: University

Department Assignments

Other Institutional Service Activities:

2009-2010: Acctg Dept Meetings: Regularly attend department meetings for updates, hiring and other specific purposes.

2009-2010: ASM and Accounting Career Fairs: Regularly attend fall career fairs and started spring career fairs

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

College Assignments

Chair:

2009-2010: NM Business Articulation Accounting Committee: Chair the Accounting Committee which is responsible for reviewing course objectives for equivalent courses of 202, 303 and 340. Attend Articulation meeting semi-annually.

2009-2010: Co-Chair of Scholarship Committee

Member:

2009-2010: Statewide Business Articulation Group
2009-2010: Beta Alpha Psi Faculty Mentor
2009-2010: IT Committee (Task Team): Create a technology vision for the school designed to enhance the use of technology by students, faculty and staff in learning, research and operational endeavors.

Other Institutional Service Activities:

2009-2010: ASM Faculty meetings: Regularly attend ASM faculty meetings.
2009-2010: DL Faculty Liaison
2009-2010: Anderson Technology Showcase
2009-2010: Distance Learning Coordinator: Develop, design and deliver internet accounting classes using web course tools; Anderson's WebCT administrator. Integrate webcasting and video streaming in online courses.

University Assignments

Chair:

2009-2010: Faculty Senate Budget Committee

Member:

2009-2010: Extended University's DL Committee: To develop a mission, vision, strategic plan and goals for UNM's distance education.
2009-2010: Presidential Task Force: Responsible for recommending cost containment and revenue generating initiatives to the President to respond to legislative budget cuts.
2009-2010: Faculty Senate Representative

Michele Chwastiak

Service: Professional

Conference Co-Chair, NSHMBA Research Forum, National Society of Hispanic MBAs, Minneapolis, MN, October, 2009.

Member, Academy of Management, Gender and Diversity in Organizations Division, Janet Chusmir Service Award Committee, 2009, 2010.

Chair, Interactive Paper Session, Academy of Management Gender and Diversity in Organizations Division, "Work-Family Conflict", Chicago, IL; August, 2009.

Ronald E. McNair Scholar Post-Baccalaureate Achievement and Research Opportunity Program Mentor

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Service: University

College assignments:

Member:

2009-2010: Anderson Search Committee: Dean Search Committee

University Assignments

Member:

2010: University of New Mexico E-Mail Steering Committee
2010: University of New Mexico Clauve Outstanding Senior Award Committee

Norman Colter

Service: Professional

Board of Directors: Moderate Involvement

2009-2010: Cleveland High School Boys Basketball Booster Club (International).
2009-2010: 2001- Present, Association of Latino Professionals in Finance & Accounting, Professional Chapter, Director of Student Affairs (International).

Other Professional Service Activities

2009-2010: Wiley Publishing Company, Attended an Accounting Symposium for WileyPlus Power Users in Atlanta, GA (International).

Reviewer: Book / Textbook

2009-2010: 2008-2009 McGraw Hill Publishers (International).

Service: University

College Assignments

Faculty Advisor:

2009-2010: Association of Latino Professionals in Finance & Accounting

Member:

2009-2010: Anderson Scholarship Committee

Mentoring Activities:

2009-2010: KPMG Case Study Competition: Competition at the Association of Latino Professionals in Finance & Accounting annual meetings

Student Placements:

2009-2010: Attend Anderson School Career Fair and Accounting Career Fair

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Robert Gary
Service: University

Department Assignments
Member:
2009-2010: UNM, Recruiting Committee

Reed McKnight
Service: University

Department Assignments
Member:
2009-2010: Accounting faculty job search committee

Leslie S. Oakes

Service: Community

Chair of a Committee
2009-2010: Healthcare for the Homeless

Other Community Service Activities
2009-2010: NGO New Mexico, working to expand health of non-profit sector in New Mexico

Service: University

Department Assignments
Member:
2009-2010: Curriculum & Programs Committee

University Assignments
Other Institutional Service Activities:
2009-2010: RW Johnson Public Health Center Advisory Board

Robert Tepper
Service: Professional

Other Professional Service Activities
2009-2010: Becker Professional CPA Review, Local lead instructor for national review course for CPA exam candidates. Coordinate three other instructors and teach sessions in Auditing, Business, Financial, and Regulation. (International).

2009-2010: Faculty Training for Becker CPA Review Course (International).

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Service: University

College Assignments

Member:

2009-2010: ASM Library Committee

University Assignments

Member:

2009-2010: Online Education Advisory Group

Other Institutional Service Activities:

2009-2010: Lobo Reading Experience: Discussion Group Leader

Service: Community

Speech / Presentation at a Community Meeting

2009-2010: Anderson Accounting Graduate Students, CPA Exam

2009-2010: Hispanic National Bar Association, Invited - Law student symposium

Dennis F. Togo

Service: Professional

Chair: Conference / Track / Program

2009-2010: American Accounting Association Southwest Region, Program Chair (International).

Service: University

College Assignments

Chair:

2009-2010: Anderson Curriculum and Programs Committee

2009-2010: Anderson Entrance and Credits Committee

Member:

2009-2010: Anderson Dean Search Committee

Service: Community

Other Community Service Activities

2009-2010: The Church of Jesus Christ of Latter-Day Saints, Stake Financial Auditor, Albuquerque West New Mexico Stake

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Craig G. White
Service: University

2009 – Ongoing: Member Faculty Senate Research Policy Committee
2009 – Ongoing: Chair Intellectual Property Policy Subcommittee

College Assignments
Faculty Advisor:
2009-2010: Beta Alpha Psi

Other Institutional Service Activities:
2009-2010: Chair, Department of Accounting

Joni J. Young
Service: Professional

Board Member: Advisory Board
2009-2010: Beta Alpha Psi Advisory Board (Local).
2009-2010: SSRN History of Accounting eJournal (International).

Board Member: PRJ Editorial Review Board
2009-2010: Contemporary Accounting Research (International).
2009-2010: Critical Perspectives on Accounting (International).
2009-2010: Accounting, Organizations and Society (International).
2009-2010: Contemporary Accounting Research, Effective May, 2010 (International).
2009-2010: Accounting Auditing and Accountability (International).
2009-2010: Accounting and the Public Interest (International).
2009-2010: Accounting History (International).
2009-2010: Accounting Historian's Journal (International).

Other Professional Service Activities
2009-2010: Interdisciplinary Perspectives in Accounting, Invited faculty participant, Innsbruck, Austria (International).
2009-2010: External Examiner, PhD student, Yasmine Chahed, London School of Economics (International).

Presentation
2009-2010: Interdisciplinary Perspectives in Accounting, July 2009 in Innsbruck, Austria (International).

Reviewer: Ad Hoc Reviewer for a Journal
2009-2010: Accounting Historian's Journal (International).
2009-2010: European Accounting Review (International).
2009-2010: American Accounting Association Southwest Region (Regional).
2009-2010: Accounting, Organizations and Society (International).

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Service: University

Department Assignments
Chair:
2009-2010: Department of Accounting
2009-2010: Accounting Advisory Council

Member:
2009-2010: Faculty Search Committee

Other Institutional Service Activities:
2009-2010: MBA Open House
2009-2010: Albuquerque Economic Development Luncheon
2009-2010: Anderson Foundation Board Meetings
2009-2010: REDW Partners' Dinner
2009-2010: KPMG Events: Attendance at AED luncheons, meetings with students, and luncheons with partners.
2009-2010: Coordinator of Mgmt 340: Review of syllabi, exams, grading, to insure consistent delivery of course across sections
2009-2010: Director, Master of Accounting

College Assignments
Member:
2009-2010: Dean's Advisory Committee
2009-2010: Anderson Faculty
2009-2010: Anderson Leadership Council
Other Institutional Service Activities:
2009-2010: Hall of Fame Dinners
2009-2010: Anderson Monthly Faculty Meetings

University Assignments
Member:
2009-2010: Provost's Budget Parameters Group

SPONSORED RESEARCH
DEPARTMENT OF ACCOUNTING

New Mexico Small Business Assistance Program – 2009-2010 Amount – approximately, $150,000

Principal Investigators – Sul Kassicieh, Steve Walsh, Craig White
Purpose of the grant is mentoring and supervising students working with small businesses to assess market opportunities.

The grant is ongoing – renewed from year-to-year at the option of the sponsor.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

DEPARTMENT OF ORGANIZATIONAL STUDIES

(JULY 1, 2009-JUNE 30, 2010)

Chair:	Jacqueline N. Hood	Professor
Full-time faculty:	Michelle Arthur	Associate Professor
	Shawn Berman	Associate Professor
	Jan Corzine	Professor Emeritus
	Ann Cunliffe	Associate Professor
	Robert DelCampo	Assistant Professor
	Maria Gondo	Assistant Professor
	Kathryn Jacobson	Assistant Professor
	Jeanne Logsdon	Professor
	Susan Michie	Visiting Professor
	Amelia Nelson	Lecturer
	Karen Patterson	Assistant Professor
	Sarah Smith	Lecturer
	Scott Taylor	Assistant Professor
	Harry Van Buren	Assistant Professor

Part-time faculty:	David Albright	Chamiza Atencio-Pacheco
	Raymond Becich	Brian Beck
	Autumn Collins	Jens Deichmann
	Judith Espinosa	Sam Giammo
	Sitara Harvey-Cook	Randy Hill
	Ryan Jacobson	Dennis Lester
	Kelly Marino	Christopher Nguyen
	Willow Parks	Rebecca Rigney
	Karen Ross	Paul Sandoval
	Dennis Wallace	

SIGNIFICANT DEVELOPMENTS FOR ACADEMIC YEAR, 2009-2010
DEPARTMENT OF ORGANIZATIONAL STUDIES

Dr. Shawn Berman served as the chair for the Professional Development Workshops for the Social Issues in Management (SIM) division of the Academy of Management and was elected to the Executive Board of SIM.

Dr. Rob Del Campo is currently the Editor-in-Chief of *Administrative Sciences* and continued his position as Associate Editor of the *Business Journal of Hispanic Research.* He is also the Consulting Editor of the *Journal of Education for Business.* He served as the faculty advisor to

the Anderson School chapter of the Society for Human Resource Management. In addition, he was the winner of the Emerald Literati Award for Outstanding Publication in Cross-Cultural Management. 2009. Dr. Del Campo was honored as the Ronald E. McNair Scholar Post-Baccalaureate Achievement and Research Opportunity Program Mentor

Dr. Jackie Hood served on the Editorial Review Board for *Equal Opportunities International,* facilitated a retreat for the New Mexico Public Accountancy Board, and served on the UNM Athletic Council and the Faculty Senate Policy Committee. She was an invited presenter for The Greater Albuquerque Chamber of Commerce Soaring to New Heights Conference, Newman Center at the University of New Mexico, Bohannan Huston, Bill Daniels Business Ethics Workshop, and presented on "Valuing Diversity" with Jewel Washington to the College of Engineering staff.

Ms. Amelia "Amie" Nelson has been appointed the Faculty Advisor for the Student Contract Management Association – UNM by the National Contract Management Association (NCMA). This student organization is one of few contract management student organizations in the nation. Ms. Nelson is also participating Member of the State of New Mexico Volunteer Association Program assisting individuals with a multitude of legal issues and concerns. Ms. Nelson presented a seminar on Creating and Marketing Small Law Firms, and has assisted several small business owners with creation and maintenance of the business ventures. Ms. Nelson and Dr. Arthur traveled to Budapest, Hungary to attend the Rezler Foundation Scholarship selection board meeting, where they selected Anderson School of Management's first Hungarian student to study at the Anderson School of Management, UNM. This selection was made possible by the Rezler Scholarship in an effort to provide education in the areas of Alternative Dispute Resolution to Hungarian academics.

Dr. Karen Patterson served on the Strategy search committee, as a reviewer for several journals and was appointed to the board of the Journal of Management Inquiry.

Sarah Smith, Esq. and Amelia Nelson, Esq. - In the spring 2010, these Anderson instructors agreed to build and deliver (Fall 2010) the first ever on-line MGMT 308 and MGMT 310 course offerings. Smith and Nelson spent the summer of 2010 working on these new initiative.

Dr. Scott Taylor continued his position as a board member to the Center for Social and Emotional Competence. He was an invited guest presenter at the University of the Pacific's (Stockton, CA) symposium on Social and Emotional Competence in Higher Education. He also was an invited presenter at Moss-Adams LLP's *Forum_W* and at the Native American Finance Officers Association's (NAFOA) 27th Annual Finance Conference. He continues to serve as a review for several academic journals.

Dr. Harry Van Buren continued his service as a volunteer teacher for Junior Achievement, was elected to the Board of the International Association for Business and Society, appointed to the Editorial Board of the *Business & Society*, and was co-coordinator of the Social Issues in Management doctoral consortium at the Academy of Management Meeting.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

SIGNIFICANT PLANS AND RECOMMENDATIONS
DEPARTMENT OF ORGANIZATIONAL STUDIES

The Department of Organizational Studies prepares people to lead socially responsible organizations in diverse contexts through education, scholarship, and service, by focusing on:

- Personal, professional, and organizational development
- Ethical decision-making and behavior
- Business growth and economic development

The Department and the Anderson School sponsored the Organizational Behavior Teaching Conference in June 2010. This conference is the annual conference of the Organizational Behavior Teaching Society. The Department and the Anderson School hosted over 300 participants from across the Nation. OBTS is dedicated to innovative teaching and learning in the organizational and management sciences. Its members include faculty at universities and colleges throughout the world, as well as business educators and consultants in the profit and non-profit sectors.

The Department and the Anderson School also sponsored the second bi-annual Qualitative Research in Management Conference in March 2010. There were approximately 100 conference attendees. The conference goal is to create a space where qualitative scholars doing research in on and around organizations using a multiplicity of methods, voices, and ways of writing qualitative work, can exchange ideas and engage in critical discussion.

The Department intends to continue to encourage activities related to achieving recognition for the Beyond Grey Pinstripes Award. Beyond Grey Pinstripes is a biennial survey and alternative ranking of business schools. Its mission is to spotlight innovative full-time MBA programs that are integrating issues of social and environmental stewardship into curricula and research. In 2007-2008, the Anderson School of Management was ranked 18th of 112 schools surveyed and 6th for small schools.

Finally, the Department hired Dr. Maria Gondo a tenure-track faculty member in strategic management to ensure that Anderson students are able to think strategically and critically and become responsible top level decision makers.

PROMOTIONS, SABBATICALS, SEPARATIONS, AWARDS
DEPARTMENT OF ORGANIZATIONAL STUDIES

This past year Dr. Rob DelCampo and Dr. Harry Van Buren were promoted to Associate Professor at the Anderson School of Management.

PUBLICATIONS
DEPARTMENT OF ORGANIZATIONAL STUDIES

Michelle Arthur

Refereed Articles

Arthur, M. & Cook, A. (2009). Shareholder returns for a Catalyst award. Group and Organization Management (34), 432-448.

Arthur, M., Van Buren III, H. J. , & Del Campo, R. G. (2009). The impact of American politics on perceptions of women's golfing abilities. American Journal of Economics and Sociology, 68 (2), 517-539.

Shawn Berman

Refereed Articles

Phillips, R. A., Berman, S. L. , Elms, H., & Johnson-Cramer, M. E. (2009). Stakeholder Theory and Managerial Discretion. *Strategic Organization*, 8, 176-183.

Peters, R., Koufteros, X., & Berman, S. (2009). CSR and the CEO: Determinants of a positive strategic intention towards Corporate Social Responsibility. *International Journal of Enterprise and Management*, 6, 38-54.

Presentations

Van Buren, H. J. & Berman, S. L. (2010, March). When does MNC Involvement Reduce Poverty in Developing Countries? An Exploratory Analysis. International Association of Business and Society, Banff, Canada.

Elms, H., Johnson-Cramer, M. E. , & Berman, S. L. (2009). Bounding the World's Misery: Corporate Responsibility and Freeman's Stakeholder Theory. Academy of Management, Chicago, Illinois.

Brammer, S. & Berman, S. (2009). Corporate Social Responsibility: Revisiting Whether or How? George Washington Conference on 'Building Bridges - Building Walls: Institutions and Stakeholders in an Increasingly Global and Fractionated World', Washington, District of Columbia.

Award

International Association of Business and Society Best Paper Award, for the organization's journal, Business and Society, for the years 2000-2010. International Association of Business and Society, 2010.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Ann Cunliffe

Refereed Articles

Cunliffe, A. L. (2010). Retelling Tales of the Field: In Search of Organizational Ethnography 20 Years On. *Organizational Research Methods* (13), 224-239.

Cunliffe, A. L. (2009). The philosopher leader: On relationalism, ethics and reflexivity - A critical perspective to teaching leadership. *Management Learning*, 40, 87-101.

Book Chapters

Cunliffe, A. L. (2010) Why Complicate a Done Deal? Bringing Reflexivity into Management Research. Chapter in C. Cassell & B. Lee (Eds.) *Management Research: Challenges and Controversies*. London: Routledge.

Cunliffe, A. L. (2009) Reflexivity, learning and reflexive practice. Chapter in S. Armstrong & C. Fukami (Eds.) *Handbook of Management Learning, Education and Development*, London: Sage. (pp. 405-418).

Other Publications

Eriksen, M & Cunliffe, A. L. (2010) 'Relational leadership'. Response to 'Leadership and Complexity: Implications for Practice within the Advisement Leadership Bodies at Colleges and Universities'. *Complicity: An International Journal of Complexity and Education*, 7: 97-100.

Presentations

Cunliffe, A. L. (2010). Subjectivism, objectivism and intersubjectivism as 'new' knowledge problematics. Qualitative Research in Management Conference, Albuquerque, New Mexico.

Invited Presentations

Cunliffe, A. (2009). Can You Teach it? Building Reflexivity in Management Practice. Academy of Management - Professional Development Workshop, Chicago, Illinois.

Cunliffe, A. L. (2009). Relational Leadership. INSEAD Colloquium on Developing Leaders, Fontainebleau, France

Cunliffe, A. (2010). Relational Leadership. Texas A&M, College Station, Texas.

Cunliffe, A. (2010). Orientations to Social Constructionism. Texas A&M, College Station, Texas.

Cunliffe, A. (2010). Morgan & Smircich 30 Years On. Texas A&M, College Station, Texas.

Cunliffe, A. L. (2009). The Future of Management Learning: What, by whom and how? University of Hull, Hull, United Kingdom.

Cunliffe, A. (2010). Crafting Research: An Example of Relational Leadership. Teesside University, Middlesbrough, United Kingdom.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Cunliffe, A. L. (2009). Narrative Research: Approaches and Methods. Strathclyde University, Glasgow, United Kingdom.

Honors and Awards

Academy of Management 2010 Best Paper Proceedings: Cunliffe, A. L. Crafting Qualitative Research: Morgan and Smircich 30 Years On.
Invited Associate of the Taos Institute, 2009.
Visiting Professor, University of Hull, 2007-2010.
Visiting Professor, University of Strathclyde, UK. 2007-2010.
Visiting Professor, Leeds University Business School, Leeds University, UK. 2005-2010.

Rob DelCampo

Referred Articles

Blancero, D. M., DelCampo, R.G. & Marron, G. (2010). "Just Tell Me! Fairness of Alternative Dispute Resolutions." *Industrial Relations*. Vol. 49 No. 4. P. 524-543. (#1 SSCI Ranked Impact Factor ISI Journal 2009/2010).

DelCampo, R.G. ,Rogers, K.M & Jacobson, K.L. (2010). "Integrating Racioethnicity and Psychological Contract Fairness: Hispanic perceptions and process." *Journal of Managerial Issues*. Vol. 22 No. 2. p. 220-238.

Duran, L., DelCampo, R.G. (2010). "The Influence of Family Obligations on the Job Performance of Professional Hispanic Women." *The Business Journal of Hispanic Research*. Vol. 4 No. 1. p. 18-21.

Arthur, M. M., Van Buren, H.V & DelCampo, R.G. (2009). "Distance to the flag: The impact of American Politics on perceptions of women's golfing abilities." *American Journal of Economics and Sociology*. Vol. 68 No. 2. p. 518-539.

Blancero, D.M., DelCampo, R.G., Gao, T. & Lewis, P. (2009). "Insights on Hispanic Business Professionals, Perceived Organizational Support and Psychological Contracts: Report from a large scale national study." *International Journal of Business Research*. Vol. 9 No. 4. p. 106-111.

Hom, P.W. & DelCampo, R.G. (2009). "Developing Multimedia Cases for Undergraduate Education in Organizational Behaviour." *Journal of the Academy of Business Education*. Vol. 10 No. 1. p.163-176.

DelCampo, R.G. & Thomas, D. (2009), "Mexican-American Entrepreneurship and social networks: A review and vision for the future." *International Journal of Business Research*. Vol. 9 No. 6. p. 120-127.

DelCampo, R.G. , DelCampo, D.S. & DelCampo, R.L. (2009). "Work, Family, and Personal Fulfillment Issues of Professional and Working Class Hispanic Women." *The Business*

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Journal of Hispanic Research. Vol. 3 No. 1. p.48-52. Reprinted in *Hispanic MBA Magazine.* Spring, 2010.

Other Publications

DelCampo, R.G. , DelCampo, D.S. & DelCampo, R.L. (2010). "Work, Family, and Personal Fulfillment Issues of Professional and Working Class Hispanic Women." *Hispanic MBA* Magazine. Spring, 2010. *Reprint of article from: The Business Journal of Hispanic Research.* Vol. 3 No. 1. p.48-52.

DelCampo, R.G. (2009), "Latin America" *Encyclopedia of Business in Today's World* (ed. C. Wankel). Thousand Oaks, CA: Sage.

DelCampo, R.G. (2009). Instructors Resource Manual: Managing Human Resources, 6th Edition. supplement to L.R. Gomez-Mejia, D.B. Balkin & R.L. Cardy. *Managing Human Resources*, 6th Edition. Upper Saddle River, NJ: Prentice Hall

Textbook Supplements

DelCampo, R.G. (2010). Using 'The Office' in *Teaching Organizational Behavior*. Hoboken, NJ: John Wiley & Sons.

Conference Presentations and Proceedings

Duran, L.R., DelCampo, R.G., Vaillancourt, K.T., DelCampo, R.L. & DelCampo, D.S. (2009). "Comparing strategies for work-family balance and personal fulfillment of working-class and professional Latinas." Proceedings of The National Society of Hispanic MBAs Conference & Career Expo, 2nd Annual Research Forum, Minneapolis, MN October, 2009. (refereed)

Jacobson, K.J.L., Jacobson, R.P. & DelCampo, R.G. (2009)."The perils of machismo in organizations." Proceedings of The National Society of Hispanic MBAs Conference & Career Expo, 2nd Annual Research Forum, Minneapolis, MN. October, 2009. (refereed)

DelCampo, R.G. & Thomas, D. (2009). "Mexican-American Entrepreneurship and social networks: A review and vision for the future." Proceedings of the International Association of Business & Economics; *Las Vegas, NV.* October, 2009. (refereed)

Blancero, D.M., DelCampo, R.G., Gao, T. & Lewis, P. (2009). "Insights on Hispanic Business Professionals, Perceived Organizational Support and Psychological Contracts: Report from a large scale national study." Proceedings of the International Association of Business & Economics; *Las Vegas, NV.* October, 2009. (refereed)

Presentations

Duran, L.R., DelCampo, R.G., Vaillancourt, K.T., DelCampo, R.L. & DelCampo, D.S. (2009). "Comparing strategies for work-family balance and personal fulfillment of working-class and professional Latinas." Presented at: National Society of Hispanic MBAs Conference & Career Expo, 2nd Annual Research Forum, Minneapolis, MN.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Jacobson, K.J.L., Jacobson, R.P. & DelCampo, R.G. (2009)."The perils of machismo in organizations." Presented at: National Society of Hispanic MBAs Conference & Career Expo, 2nd Annual Research Forum, Minneapolis, MN.

Berglund, D., DelCampo, R.L., DelCampo, D.S. & DelCampo, R.G. (2009). "The Changing Landscape of American Women: Work, Family and Personal Fulfillment." Presented at: National Council on Family Relations 71st Annual Conference, San Francisco, CA.

DelCampo, R.G. & Thomas, D. (2009). "Mexican-American Entrepreneurship and social networks: A review and vision for the future." Presented at: Annual meetings of the International Academy of Business and Economics, Las Vegas, NV.

Blancero, D.M., DelCampo, R.G., Gao, T. & Lewis, P. (2009). "Insights on Hispanic Business Professionals, Perceived Organizational Support and Psychological Contracts: Report from a large scale national study." Presented at: Annual meetings of the International Academy of Business and Economics, Las Vegas, NV.

DelCampo, R.G. (2010). (Keynote Speaker). SHRM Southwest Central Regional Student Conference; Albuquerque, NM, March, 2010.

Jacqueline Hood

Refereed Articles

Houghton, S. M., Smith, A. D., & Hood, J. N. (2009). The Influence of Social Capital on Strategic Choice: An Examination of the Effects of External and Internal Network Relationships on Strategic Complexity. *Journal of Business Research*, 62, 1255-1261.

Presentations

Hood, J. N., Jacobson, K., & Van Buren, III, H. J. (2009). Creating Ethical Organizational Cultures by Managing the Aggressive and the Narcissistic Bully. Business & Economics Society International, Kona, Hawaii.

Lutgen-Sandvik, P. & Hood, J. N. (2009). Positive Organizational Communication and Workplace Bullying: The Risk of Building One and Avoiding the Other. National Communication Association, Chicago, Illinois.

Refereed Proceedings

Hood, J. N., Jacobson, K. J. , Logsdon, J. M. , & Van Buren III, H. J. (2010). Workplace Bullying in the Global Context: A Comparison of Four Cultures. Proceedings of the Global Business Development Institute.

Honor

2009: Advisory Professorship Anderson School of Management.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

2010: Best Paper Award in Human Resources Management, Global Business Development Institute (12th International Conference), Las Vegas, NV, March 2010. (With Jacqueline N. Hood, Kathryn J.L. Jacobson, and Harry J. Van Buren III) Global Business Development Institute.
2010: Bill Daniels Business Ethics Fellow.

Kathryn Jacobson

Refereed Proceedings

Hood, J. N., Jacobson, K. J. , Logsdon, J. M. , & Van Buren III, H. J. (2010). Workplace Bullying in the Global Context: A Comparison of Four Cultures. Global Business Development Institute.

Presentations

Hood, J. N., Jacobson, K. J. L., & Van Buren, H. J. (2010). Bullying in the Global Context: A Comparison of Four Cultures. International Conference of the Global Business Development Institute, Las Vegas, Nevada.

Hood, J. N., Jacobson, K., & Van Buren, III, H. J. (2009). Creating Ethical Organizational Cultures by Managing the Aggressive and the Narcissistic Bully. Business & Economics Society International, Kona, Hawaii.

Jacobson, K., DelCampo, R. G., & Jacobson, R. P. (2009). The Perils of Machismo in Organizations. National Society of Hispanic Master of Business Administration, New Mexico Chapter, Minneapolis, Minnesota.

Honors and Awards

Award
2010: Foundation Fellowship Anderson School of Management, University of New Mexico.

2010: Best Paper Award in Human Resources Management, Global Business Development Institute (12th International Conference), Las Vegas, NV, March 2010. (With Jacqueline N. Hood, Kathryn J.L. Jacobson, and Harry J. Van Buren III) Global Business Development Institute.

Jeanne Logsdon

Refereed Articles

Logsdon, J. M. & Van Buren III, H. J. (2009). Beyond the Proxy Vote: Dialogues between Shareholder Activists and Corporations. *Journal of Business Ethics*, 87, 353-365.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Proceedings
Full Paper

Hood, J. N., Jacobson, K. J. , Logsdon, J. M. , & Van Buren III, H. J. (2010). Workplace Bullying in the Global Context: A Comparison of Four Cultures. Global Business Development Institute.

Rehbein, K. & Logsdon, J. M. (2010). Strategies by Social Activists and Corporations in the Shareholder Resolution Process. Academy of Management, Business Policy and Strategy Division.

Logsdon, J. M. & Bundy, J. N. (2009). Southwest Creations Collaborative--Case A, Case B, and Instructor's Manual. Winner of Outstanding Case for Newcomer to North American Case Research Association.

Rehbein, K., Brammer, S., Logsdon, J. M. , & Van Buren III, H. J. (2009). Corporate Responses to Shareholder Activism: An Institutional Perspective. Academy of Management Best Papers Proceedings.

Presentations

Brammer, S., Rehbein, K., Logsdon, J. M. , & Van Buren III, H. J. (2010). Dynamism in Stakeholder Management: The Case of Shareholder Activism. International Association for Business and Society, Banff, Alberta, Canada.

Logsdon, J. (2010). Emerging Ethical Challenges in Microfinance: Can It Retain Humanistic Values? International Symposium on Ethics, Business and Society, Barcelona, Spain.

Rehbein, K., Brammer, S., Logsdon, J. M. , & Van Buren III, H. J. (2010). How Do Corporate Nonmarket Strategies Shape Corporate Responses to Shareholder Activists? International Association for Business and Society, Banff, Alberta, Canada.

Logsdon, J. (2010). PANEL: Reciprocity and Gratuitousness in Business: Challenges and Further Developments. International Symposium on Ethics, Business and Society, Barcelona, Spain.

Honors and Awards

Award

2010: Best Paper Award in Human Resources Management, Global Business Development Institute (12th International Conference), Las Vegas, NV, March 2010. (With Jacqueline N. Hood, Kathryn J.L. Jacobson, and Harry J. Van Buren III) Global Business Development Institute.

Honor

2009: Jack and Donna Rust Professorship for Business Ethics.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Karen Patterson

Refereed Articles

Washington, M. & Patterson, K. D.W. (2010). Institutional Theory and Sport Management Research: Past, Present, and Future Directions. *Sport Management Review*, 10.1016/j.smr.2010.06.003.

Patterson, K. D.W., Cavazos, D. E. , Washington, M., & Brigham, K. (2010). Process and Emergence in Contested Terrain. *International Journal of Organizational Analysis*, 18 (1), 105-128.

Presentations

Washington, M. & Patterson, K.D.W. (2009). From Theorization to Realization: A Conflict Model of institutional Strategies. Academy of Management (AoM), Chicago, IL.

Sarah Smith

Honors and Awards

2009-2010: Rust Professor of Business Ethics
2010: Bill Daniels Business Ethics Fellow

Scott Taylor

Refereed Articles

Taylor, S.N. (2010). Redefining leader self-awareness by integrating the second component of self-awareness. *Journal of Leadership Studies*, 3(4), 57-68.

Presentations

Taylor, S.N., & Bright, D.S. (2010, August). Exploring Conditions for Openness in Multisource Feedback Assessment. National Academy of Management Conference. Montreal, Canada. (Best Paper Proceedings).

Miche, S., & Taylor, S.N. (2010, August). An Integrated Theory and Multi-level Perspective of Leadership for Sustainable Development. National Academy of Management Conference. Montreal, Canada.

Taylor, S.N. (2010, August). A Map of Managerial Competencies: A 15-country Study. (with Maria Jose Bosch, Pablo Cardona, Maria Aguirre Nieto, Jon P. Briscoe, Cesar Bullara, Maria Victoria Caparas et al.). National Academy of Management Conference. Montreal, Canada.

Taylor, S.N. (2010, March). Best practices in developing emotional and social intelligence. Symposium on Social and Emotional Competence in Higher Education. University of the Pacific, Stockton, CA.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Taylor, S.N. (2009, Oct.). Women and leadership: Ensuring stronger impact and influence. Moss-Adams' Forum_W, local meeting. Albuquerque, NM.

Taylor, S.N. (2009, Sept.). Developing and maintaining effective leadership. Presentation given to the Native American Finance Officers Association's (NAFOA) 27th Annual Finance Conference. Santa Ana Pueblo, NM.

Honors and Awards

Award

2009: Foundation Fellowship Anderson School of Management, University of New Mexico.

Honor

2010: Bill Daniels Business Ethics Fellow.
2009: Nominated for the New Faculty Teaching Award University of New Mexico.

Harry Van Buren III

Refereed Articles

Arthur, M. M., Van Buren III, H. J. , & DelCampo, R. G. (2009). The impact of American politics on perceptions of womens' golfing abilities. *American Journal of Economics and Sociology* (68), 517-539.

Van Buren III, H. J. (2009). "Review of Bananas! How the United Fruit Company Shaped the World", *Business Journal of Hispanic Research.*

Proceedings

Hood, J. N., Jacobson, K. J. , Logsdon, J. M. , & Van Buren III, H. J. (2010). Workplace Bullying in the Global Context: A Comparison of Four Cultures. Global Business Development Institute.

Rehbein, K., Brammer, S., Logsdon, J. M. , & Van Buren III, H. J. (2009). Corporate responses to shareholder resolutions: An institutional perspective. Academy of Management Best Papers Proceedings.

Book Chapters

Van Buren III, H. J. (2009). "'Extractive Industries: Labor,' and 'Racism and Discrimination.'", *Encyclopedia of American Environmental History.*

Presentations

Brammer, S., Rehbein, K., Logsdon, J. M. , & Van Buren III, H. J. (2010). Dynamism in Stakeholder Management: The Case of Shareholder Activism. International Association for Business and Society, Banff, Alberta, Canada.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Rehbein, K., Brammer, S., Logsdon, J. M. , & Van Buren III, H. J. (2010). How Do Corporate Nonmarket Strategies Shape Corporate Responses to Shareholder Activists? International Association for Business and Society, Banff, Alberta, Canada.

Greenwood, M. & Van Buren III, H. J. (2009). Corporate social accounting as stakeholder risk management. Australian and New Zealand Academy of Management Conference, Melbourne, Australia.

Hood, J. N., Jacobson, K., & Van Buren III, H. J. (2009). Creating ethical organizational cultures by managing the aggressive and narcissistic bully. Business & Economics Society International, Kona, Hawaii.

Awards

2009: Anderson Schools of Management Foundation Fellowship Anderson School of Management, University of New Mexico.

2010: Bill Daniels Business Ethics Fellow.

2010: Best Paper Award in Human Resources Management, Global Business Development Institute (12th International Conference), Las Vegas, NV, March 2010. (With Jacqueline N. Hood, Kathryn J.L. Jacobson, and Harry J. Van Buren III) Global Business Development Institute.

SERVICE ACTIVITIES
DEPARTMENT OF ORGANIZATIONAL STUDIES

Michelle Arthur
Service: University

College assignments:

Member:

2009-2010: Anderson Leadership Council

Shawn Berman
Service: Professional

Reviewer: Ad Hoc Reviewer for a Journal

2009: Business and Professional Ethics, Ad hoc reviewer (International).

2009: The Academy of Management Journal, Ad hoc reviewer (International).

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Chair: Conference / Track / Program

2009: Academy of Management, Social Issues in Management Division, I was elected to serve as the 2010 SIM Program Chair. Election to this position also entails serving on the SIM Executive Board. (International).

2009: Academy of Management, Social Issues in Management Division, I was elected to serve as the Professional Development Workshop for the SIM Division, 2009 Academy of Management conference. Being elected to this position also entails election to the Executive Board of SIM. (International).

Service: University

Department Assignments

Member:

2009-2010: Strategy Search Committee

College assignments:

Chair:

2009-2010: Anderson Policy and Planning Committee

Faculty Advisor:

2009-2010: Net Impact Committee: I was Faculty Advisor for the Undergraduate Chapter.

Member:

2009-2010: Anderson Inaugural Non-Profit Day Planning Committee

Ann Cunliffe

Service: Professional

Chair: Conference / Track / Program

2009-2010: Academy of Management, Program Chair: Critical Management Studies Interest Group

Editor: Editor of Journal

2009: Management Learning, Editor-in-Chief

2009-2010: Associate Editor, International Journal of Qualitative Research in Organizations and Management.

2010: Guest editor, Special issue on Retelling Tales of the Field: In Search of Organizational Ethnography 20 Years On, for Organizational Research Methods.

Editorial Board Member

Human Relations (JCR 38/112)
Organization Studies (27/112)
Academy of Management Learning and Education (23/112)
Journal of Organizational Change Management (87/112)
Scandinavian Journal of Management (JCR 76/112)
Canadian Journal of Administrative Sciences, CMS Division (95/112)

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Employee Responsibilities and Rights Journal
Organization Management Journal.

Conference Organization

Organizer of the 2010 International Qualitative Research in Management and Organization Studies Conference, University of New Mexico.
Site Co-ordinator of the 2010 OBTS Teaching Society for Management Educators Conference, University of New Mexico.

Professional Committees and Boards

2009-2010: Executive Committee, Critical Management Studies Division, Academy of Management
2009-2010: Board Member, OBTS Teaching Society for Management Educators.

Service: University

University assignments:

Assurance Of Learning - Institutional Service:

2009-2010: Internal Reviewer for Organizational Learning and Instructional Technology Program

Rob DelCampo

Service: Professional

Conference Co-Chair, NSHMBA Research Forum, National Society of Hispanic MBAs, Minneapolis, MN, October, 2009.

Member, Academy of Management, Gender and Diversity in Organizations Division, Janet Chusmir Service Award Committee, 2009, 2010.

Chair, Interactive Paper Session, Academy of Management Gender and Diversity in Organizations Division, "Work-Family Conflict", Chicago, IL; August, 2009.

Ronald E. McNair Scholar Post-Baccalaureate Achievement and Research Opportunity Program Mentor

Service: University

College assignments:

Member:

2009-2010: Anderson Search Committee: Dean Search Committee

University Assignments

Member:
2010: University of New Mexico E-Mail Steering Committee
2010: University of New Mexico Clauve Outstanding Senior Award Committee

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Jacqueline Hood

Service: Professional

Chair: Conference / Track / Program

2009-2010: Academy of Management, Chairperson for a session in the Gender and Diversity in Organizations Division

Service: University

Department assignments:

Other Institutional Service Activities:

2009-2010: Chair, Department of Organizational Studies

College assignments:

Member:

2009-2010: Anderson Leadership Council

Other Institutional Service Activities:

2009-2010: Director of the Management Development Center

University assignments:

Member:

2009-2010: Educational Leadership External Team Program Review

2009-2010: Athletic Council

2009-2010: Faculty Senate Policy Committee

Other Institutional Service Activities:

2009-2010: Marshall for Freshman Convocation

2009-2010: Marshall for UNM Graduation

Service: Community

Speech / Presentation at a Community Meeting

2009-2010: New Mexico Public Accountancy Board, Facilitator for Retreat on Technical versus Nontechnical CPE Credit

2009: University of New Mexico Staff Council, Invited Presentation on Teams and Trust

2009: Newman Center, University of New Mexico, Invited Presentation on Time Management.

2009: Bohannan Huston, Invited Presentation on Organizational Culture Factors in Mergers and Acquisitions.

2010: College of Engineering, Invited Presentation on Valuing Diversity, with Jewel Washington.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

2010: Bill Daniels Business Ethics Workshop, Invited Presentation on Teaching Business Ethics with O.C. Ferrell, Victoria Crittendon, and Diane Swanson.

2010: The Greater Albuquerque Chamber of Commerce, Soaring to New Heights Conference, Invited Presentation on Organization Development: Communication Matters.

Kathryn Jacobson

Service: University

***Mentoring Activities*:**

2009: Mentored adjunct professor for Summer, 2009 MGMT 306 course
2009: Ronald E. McNair Scholar Post-Baccalaureate Achievement and Research Opportunity Program Mentor

Member:

2009: Library Committee
2009: Entrance and Credits Committee; EMBA Program

Jeanne Logsdon

Service: Professional

Reviewer - Article / Manuscript
2009-2010: Academy of Management, Social Issues in Management Division, Reviewer of manuscripts for the annual meetings (International).

Other Professional Service Activities
2009: North American Case Research Association, Reviewer of cases of annual meeting (International). Service: University

Chair: Conference / Track / Program
2010: International Symposium on Ethics, Business and Society, Session Chair, Barcelona, Spain (International).

College assignments:

Member:

2009-2010: Professorship/Lectureship Review Committee

2009-2010: Anderson School of Management Dean's Faculty Review Committee

Other Institutional Service Activities:
2009-2010: Advisor on response to Princeton Review submission for Anderson's sustainability programs

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

University assignments:

2009-2010: Lobo Reading Project Committee: Freshman book selection- first year this project was implemented.

Karen Patterson

Service: Professional

Review Board: 2009-2010: Journal of Management Inquiry

Reviewer - Article / Manuscript:
2010: Academy of Management Journal.

2009 – 2010: International Journal of Organizational Analysis.

2009-2010: Academy of Management, Organizations and Management Theory division, Health Care Management division, Reviewer of manuscripts for the annual meetings (International).

Facilitator: Conference / Track / Program
2009-2010: Academy of Management, OMT division, HCM division, Facilitator for paper session: Models of Firm Evolution &Transformation.

Service: College

Search Committee: Strategy Search

Sarah Smith

Service: Professional

Presentations

2009: CFO Academy, Business Ethics presentation, co-presenter with ASM Dean Doug Brown (December 2, 2009) (National).
2009: New Mexico Bail Agents Annual Meeting, Ethics Training Presentation (October 27, 2009) (State).
2009: NM IDEA, Annual Meeting presentation: Ethics: The Economic Stimulus (October 21, 2009) (State).
2009: Role of the Committee - New Mexico Ethics in Business Awards, Screening Committee – August 2009, Albuquerque, NM
2009: Ethics awards training and presentation of student reports- New Mexico Ethics in Business Awards, Selection Committee – December 2009, Albuquerque, NM
2010: Anderson's ethics initiatives - CFO Academy, with Dean Doug Brown, Albuquerque, NM
2010: How ethical mishaps occur and how to prevent them - the Association of Fund-Raising Professionals – March 2010, Albuquerque, NM

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

2010: Ethics education at Anderson - the Institute of Internal Auditors - June 2010, Albuquerque, NM
2010: How ethical mishaps occur and how to prevent them - the Albuquerque Chapter of Credit Unions – April 2010, Albuquerque, NM.

Service: University

Department assignments:

Member
2009: Teaching Evaluation Criteria DOS Review Committee

College assignments:

Chair
2009: Anderson Not for Profit Day: Ethics in Nonprofit Organizations

Member
2009-2010: Anderson Curriculum and Programs Committee

University assignments:

Member
2009-2010: Freshman Learning Communities

Service: Community

Member of a Committee
2009: JCC Humanitarian Awards, Pro Bono Services - Selection Process Redesign
2009: Jewish Community Center, Humanitarian Awards Process Redesign Team
2009: Samaritan Counseling Center, Steering Committee NMEBA
2009: New Mexico Ethics Alliance, Programs and Best Practices Committee
2009: New Mexico Ethics Alliance, Executive Committee

Other Community Service Activities
2009: Pro Bono Consultation - Florida Ethics in Business Awards Program, Pro Bono support to Sarasota Florida Samaritan Institute planning Ethics in Business Awards Program
2009: NMIDEA Conference and Dinner, Doug Brown, Keynote Speaker
2009: Samaritan Board Appreciation Reception
2009: Stephen M.R. Covey 'The Speed of Trust' Workshop
2009: New Mexico Humanitarian Awards
2009: 2009 New Mexico Summit on Global Competitiveness
2009: New Mexico Ethics in Business Awards - Steering Committee and ex officio on Nominating, Screening and Selection Committees.
2009: New Mexico Ethics Alliance – Officer, Board member and multiple committee roles.
2009: New Mexico Ethics in Business Awards – year-round responsibility to direct Anderson's involvement in the New Mexico Ethics in Business Awards, including the efforts of student teams which each fall research the 30+ nominees for Awards. In 2010, the Bill

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Daniels Ethics in Entrepreneurship Award was added to this complement of distinguished award categories, with Smith responsibility to manage this process.
2009: Ethics Best Practices in New Mexico – directs Anderson involvement in an on-going student study of ethics best practices in New Mexico businesses in a large-scale community service project.
2009: Ethics in Organizations, Freshman Learning Communities - the Jack and Donna Rust – sponsored seminar, Fall 2009, featuring extensive community outreach and notable community leaders as guest presenters.
2009: Eller International Ethics Case Competition – coached and accompanied a student team in this renowned ethics case competition held at the University of Arizona, October 2009, Tucson, Arizona.
2009: City of Albuquerque CAO David Campbell – invited his remarks to Smith's MGMT 308 classes and, in partnership with Anderson's Net Impact and under the auspices of the Jack and Donna Rust Professorship, sponsored his additional remarks to an evening assembly of students, staff and the invited public.

Speech/Presentation at a Community Meeting
2009: Association of Fundraising Professionals, Becoming a Resilient Organization: Surviving and Thriving in Tough Times

Scott Taylor
Service: Professional

Board Member: Advisory Board

2009-2010: University of the Pacific, Advisory Board Member for the Center for Social and Emotional Competence (National).

Member: Committee/Task Force

2009-2010: Organizational Behavior Teaching Society (International).

2009-2010: Society for Industrial and Organizational Psychology (International).

2009-2010: Consortium for Research on Emotional Intelligence in Organizations (International).

Other Professional Service Activities

2002-2010: HayGroup, Emotional Competence Inventory, Certified Executive Coach (International).

Reviewer - Article / Manuscript
2009: Invited Reviewer, Special issue in Cross Cultural Management: An International Journal on Emotional Intelligence (International).

Reviewer - Book / Textbook

2009: Wiley Publishing, Invited reviewer of two leadership textbooks (International).

Reviewer: Conference Paper
2009-2010: Academy of Management, Management Education Division (International).

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Service: University

College Assignments
Member:
2009-2010: Information Technology (IT) committee, Budget Review Subcommittee

Harry Van Buren III

Service: University

College Assignments
Member:
2009-2010: Anderson Policy & Planning Committee

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

DEPARTMENT OF FINANCE, INTERNATIONAL, TECHNOLOGY MANAGEMENT, AND ENTREPRENEURSHIP (FITE)
July 1, 2009 – June 30, 2010

Chair:	Raul de Gouvea Neto	Professor
Full-time Faculty:	Hsuan-Chi Chen	Assistant Professor
	Jim Cormier	Lecturer
	Charles T. Crespy	Professor
	Dante DiGregorio	Associate Professor
	Sul Kassicieh	Professor
	Raj Mahto	Assistant Professor
	Emmanuel Morales-Camargo	Assistant Professor
	John Schatzberg	Professor
	Doug Thomas	Associate Professor
	Gautam Vora	Professor
	Steve Walsh	Professor

Part-time Faculty:	Paula Blacher	Luis Brown
	Albert Cherino	Jim Cormier
	Antonio Flores	Chris Fogel
	George Friberg	Douglas Hellie
	Howard Hickey	Tom Hunsaker
	Orlando Lucero	Len Malczynski
	Debbie Pierson	Garrett Ray
	David Robbins	Paul Sandoval
	George Sanzero	Linda Shul
	Kevin Stevenson	Lawrence Waldman

SIGNIFICANT DEVELOPMENTS FOR ACADEMIC YEAR, 2009-2010
DEPARTMENT OF FINANCE, INTERNATIONAL, TECHNOLOGY AND ENTREPRENEURSHIP

- 4th annual Native American Career Fair, April 2010 at the Anderson School of Management
- July 2009 – Doug Thomas took UNM students (20+) to Mexico
- June 2009 – Chuck Crespy brought CIDESI students from Mexico for summer program.
- Dante taught GMMT 328 in Rome Program
- Spring 2010 UNM Technology Business Plan Competition. The UNM Technology Business Plan Competition encourages UNM students from all UNM schools and colleges to collaborate on teams that commercialize technology products developed at UNM, Sandia National Labs, Los Alamos National Lab, or elsewhere in the state. These student-owned startup firms bring inventions from lab to market and have the potential to TBPC offers team exposure for their business and prize funding for their firm.

- J.B. Tuttle, Marketing Director for Microtection, LLC. Microtection (formerly MicroHound) won the $25,000 Michael Gallegos Prize for Entrepreneurship in 2009 and is working to commercialize a portable trace explosives and narcotics detector developed at Sandia National Laboratories.

SIGNIFICANT PLANS AND RECOMMENDATIONS

DEPARTMENT OF FINANCE, INTERNATIONAL, TECHNOLOGY AND ENTREPRENEURSHIP

Annual Albuquerque Hispano Chamber of Commerce Day at Anderson – Sp 2011
Native American Career Fair – Spring 2011
WITS Conference Spring 2011
FIBEA Conference – Fall 2010
2nd Annual Non-Profit Day – Spring 2011
Spring 2011 Technology Business Plan Competition

PROMOTIONS, SABBATICALS, SEPARATIONS, AWARDS

DEPARTMENT OF FINANCE, INTERNATIONAL, TECHNOLOGY AND ENTREPRENEURSHIP

Gautam Vora – sabbatical Spring 2010
John Schatzberg – sabbatical – Spring 2010
Hsuan-Chi Chen t3 review – Spring 2010
Chuck Crespy resigned from Anderson Faculty Spring 2010

Kaye Summerhays received the Charter Bank Award of Excellence (Staff)
Steve Walsh received the Faculty Acknowledgement Award

FITE awards

Hsuan-Chi Chen - Outstanding Research Award

Jim Cormier - Outstanding Teaching Award

Raj Mahto - Outstanding Service Award

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

PUBLICATIONS

Hsuan-Chi Chen

Referred Articles

Chen, H., Fok, R., & Lu, C. (2010). An Analysis of Lockups in REIT IPOs. *Journal of Real Estate Finance and Economics.*

Chen, H. & Lai, C. (2010). Reputation Stretching in Mutual Funds Starts. *Journal of Banking and Finance, 34 (1)*, 193-207.

Chen, H., Dai, N., & Schatzberg, J. (2010). The Choice of Equity Selling Mechanisms: PIPEs versus SEOs. *Journal of Corporate Finance, 16 (1)*, 104-119.

Chen, H. & Guo, W. (2010). Divergence of Opinion and Initial Public Offerings. *Review of Quantitative Finance and Accounting, 34 (1)*, 59-79.

Chen, H. & Ho, K. (2009). Do IPO Index Portfolios Improve the Investment Opportunities for Mean-Variance Investors? *Finance Research Letters, 6 (3)*, 159-170.

Chen, H., Fok, R., & Kang, S. (2010). Issuers' Incentive and Tests of Baron's Model of IPO Underpricing. *Review of Quantitative Finance and Accounting.*

Chen, H., Ho, K., Hsiao, Y., & Wu, C. (2010). The Diversification Effects of Initial Public Offerings. *Journal of Business Finance & Accounting, 37 (1&2)*, 171-205.

Chen, H., Fauver, L., and Yang, P. (2009) "What do Investment Banks Charge to Underwrite American Depositary Receipts?" *Journal of Banking and Finance*, Vol. 33, No. 4, pp. 609-618.

Presentations

Chen, H., Fok, R., & Lu, C. (2009, October). *An analysis of lockups in REIT IPOs.* Financial Management Association, Reno, Nevada.

Chen, H., Lai, C., & Wu, S. (2009, October). *Newly added mutual funds and revenue sharing in 401(k) plans.* Financial Management Association, Reno, Nevada.

Chen, H., Fauver, L., Hsu, Y., & Shen, Y. (2009, October). *Do IPO earnings and revenue surprises surprise investors?* Financial Management Association, Reno, Nevada.

Charles Crespy

Book Chapter

Crespy, C (2009) Of Butterflies and Hummingbirds: Industrial Ecology on the Wing, "Multinational Enterprises and the challenge of Sustainable Development. J McIntyre and S. Inanaj, Editors, Edward Elgar Publishing, pp. 149-175, Co-author with Miller V.V.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Conference Presentations

Transparency and Accountability in Sustainability Reporting: A Comparative Study". Presented at the 37tAnnual Meeting of ARNOVA; also posted on the ARNOVA Website. **2009**. Co-author with Miller, V.V.

"Butterflies, Hummingbirds, and Salty Anchovies: Regional Trade Agreements and Sustainability" presented at the 2009 International Sustainable Development Research Society Meeting , Utrecth." 2009. Co-author with Van V. Miller.

"Sustainability Reporting: A Comparative Study" presented at the International Sustainable Development Research Society Meeting , Utrecth, Netherlands **2009** Co-author with Van V. Miller, Jose A. Renau.

"Sources of Competitive Advantage for Nonprofit Organizations" Academy of Marketing Science World Marketing Conference, Oslo, Norway **2009**. Co-author with Charles Madden , Van Gray and Sarah Smith.

Dante Di Gregorio

Referred Publications

Di Gregorio, Dante, Musteen, Martina & Thomas, Douglas E. 2009. Offshoring as a source of international competitive advantage for SMEs. *Journal of International Business Studies.* 40(6): 969-988.

Presentations

Digregorio, D. (2009). *Sustainable Enterprise Strategies for Net Social Value Creation.* NYU-Stem Conference on Social Entrepreneurship, New York, New York.

Raul Gouvea

Referred Articles

Gouvea, R. (2009). Designing Sustainable Strategies for teh Brazilian Amazon Regions. *Competitiveness Review.*

Gouvea, R., and Kassicieh, S. (2009). "Sowing Strategic Alliances in the Americas: The Sinicization of Latin American Economies." *International Journal of Emerging Markets, Vol.4, No.4, p.315-33*

Crespy, C., Becker, T., and Gouvea, R. (2009). "Information Asymmetry in Foreign Direct Investment Decisions." *International Journal of Global Business and Economics*, Vol.2, No.1, p. 97-103.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Gouvea, R., Kassicieh, S., and Figueira, I. (2009). "Ecotourism in The Amazon Region: Promises & Challenges." Frank Columbus (Ed.)., Chapter 6, *The Amazon Basin: Plant, Life, Wildlife, and Environment.*" Nova Publishers.

Gouvea, R. & Kassicieh, S. (2010). Building an Eco-Innovation Cluster: Water Cluster in the Brazilian Amazon Region. *International Journal of Social Ecology and Sustainable Development.*

Chapters

Gouvea, R., Kassicieh, S., & Figueira, I. (2009). "Ecotourism in The Amazon Region: Promises & Challenges", *The Amazon Basin: Plat, Life, Wildlife, and Environment.* Nova

Presentations

Gouvea, R. & Kassicieh, S. (2009). *Fostering Natural Competitive Advantages: Designing a Water Eco-Innovation L Cluster in the Brazilian Amazon Region.* The American Society for Competitiveness, Washington, District of Columbia.

Sul Kassicieh

Referred Articles

Dai, N., Jo, H., & Kassicieh, S. (2010). Venture Capital Ownership Type, Investment Criteria, and Venture Performance. *Journal of Business Venturing: Int'l. Entrepreneurship, New Bus. Devel. & Tech.*

Raul Gouvea and Sul Kassicieh, "Building an Eco-Innovation Cluster:Water Cluster in the Brazilian Amazon Region," *International Journal of Social Ecology and Sustainable Development*, Vol 1., no. 2 , 27-39, 2010.

Raul Gouvea and Sul Kassicieh, "Sowing Strategic Alliances in the Americas: The Sinicization of Latin American Economies," *International Journal of Emerging Markets*, 4(4):315-334, 2009.

Kassicieh, S. (2009). The Knowledge Economy and Entrepreneurial Activities in Technology-Based Economic Development. *International Journal of Knowledge Economy.*

Proceedings

Dottore, A. & Kassicieh, S. (2010). A Proposed Pilot Study Into the Attitudinal Situational and Personal Characteristics As Predictors of Future Entrepreneurs in Austrailian Public Research Organizations. *Regional Frontiers of Entrepreneurship Research 2010 (425)*, 433.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Presentations

A Mathematical Model for Economic Development Decisions, presented at the International, 2010 INFORMS Conference in Buenos Aires, Argentina, June 6-9, 2010.

Entrepreneurship Situations and Attitudes, presented at the University of Adelaide Entrepreneurship Center seminar series, Adelaide, Australia, January 2010

Kassicieh, S. (2010). *Information Technology: Interactin with Economic Development.* Association for the Development of the Information Society Conference, Porta, Portugal.

Kassicieh, S. (2010). *Innovation: Differences between Developed and Developing Economies.* Business Association of Latin American Studies, Barcelona, Spain.

Kassicieh, S. (2010). *Confident or Complacent? Satisfaction with Performance in Family Business.* International Conference on Strategy and Organization, Ghaziabad, India.

Kassicieh, S. (2010). *Surrogate Entrepreneurship: Implications for Research Organizations.* Australian Commonwealth Science and Industrial Research Organization (CSIRO), Melbourne, Australia.

Kassicieh, S. (2009, November). *Water: Issues and Challenges in Economic Development.* Water Innovation, Technology and Sustainability (WITS 2009), Manaus, Brazil.

Kassicieh, S. (2009, September). *Venture Funding of Micro and Nano Technologies.* Water Innovation, Technology and Sustainability (WITS 2009), Manaus, Brazil.

Kassicieh, S. (2010, January). *Entrepreneurship Situations and Attitudes.* University of Adelaide Entrepreneurship Center Seminar Series, Adelaide, Australia.

Honors/Awards

2009-2010: Who's Who in the Computer Industry.

2009-2010: Who's Who in the West.

Raj Mahto

Referred Articles

Mahto, R. V., Davis, P. S., Pearce, J. A., & Robinson, R. B. 2010. Satisfaction with firm performance in family businesses. ***Entrepreneurship, Theory & Practice,*** 34(5).

Khanin, D., Baum, J. R., Turel, O., & Mahto, R. V. 2009 Are some venture capitalists more likely than others to replace founder-CEOs? ***Journal of Private Equity,*** 12 (2): 19-29

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Presentations

Mahto, R. V. & De Gouvea, R. 2010. Birth order and successor departure from the family business. Family Enterprise Research Conference, Cancun, Mexico.

Mahto, R. V. & Kassicieh, S. 2010. A model of family identity in family businesses. Family Enterprise Research Conference, Cancun, Mexico.

Mahto, R. V. (2009). Indian Water Entrepreneur: The Role of Destructive Technology in Marketplace. Water Conference, Manaus, Brazil.

Mahto, R. V. & Kassicieh, S. (2009). . *Does founder reputation speed venture financing?* International Council for Small Business, Seoul, Korea.

Mahto, R. V. & Walsh, S. (2009). *Not getting involved: the role of heirs in family businesses.* International Council for Small Business, Seoul, Korea.

Emmanuel Morales-Camargo

Presentations

Morales-Camargo, E. (2009). *Uncertainty and Differential Information in Common-Value, Divisible-Good Auctions.* Economic Science Association, Annual Conference, Washington DC, Washington.

Morales-Camargo E. (2009) Uncertainty andDifferential Information in Common-Value Divisible-Good Auctions. Economic Science Association Regional Conference, Tucson, AZ.

John Schatzberg

Referred Articles

Schatzberg, J., Dowel, D., White, C., & Rickets, R. (2010). Shareholder-Level Capitalization of Dividend Taxes: Additional Evidence from Earnings Announcement Period Returns. *Quarterly Journal of Finance and Accounting, 49.*

Schatzberg, J., Dai, N., & Chen, H. (2010). The Choice of Equity Selling Mechanisms: PIPEs versus SEOs. *Journal of Corporate Finance, 16 (1)*, 104-119.

Schatzberg, J., Dai, N., & Jo, H. (2009). The Quality and Price of Investment Banks' Service: Evidence from PIPE Market. *Financial Management.*

Honors/Awards

2009-2010: ASM Lectureship Anderson School of Management, University of New Mexico.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Doug Thomas

Referred Articles

Del Campo, R. G. & Thomas, D. E. (2009). Mexican-American Entrepreneurship and social networks: A review and vision for the future. *International Journal of Business, 9 (6)*, 120 – 127

Di Gregorio, Dante, Musteen, Martina & Thomas, Douglas E. 2009. Offshoring as a source of international competitive advantage for SMEs. *Journal of International Business Studies.* 40(6): 969-988.

Proceedings

Thomas, D. E. & Del Campo, R. (2009). Mexican-American Entrepreneurship and social networks: A review and vision for the future. *International Academy of business and Economics*. (Invited)

Presentations

Del Campo, R. G. & Thomas, D. E. (2009). *Mexican-American Entrepreneurship and social networks: A review and vision for the future.* Academy of International Business Conference, Las Vegas, Nevada.

Honors/Awards

2009-2010: Outstanding Research and Teaching Award for the Dept. FITE Department.

Gautam Vora

Referred Articles

Vora, G. & Schatzberg, J. (2009). PEG Investing Strategy: A Revisit. *Quarterly Journal of Finance and Accounting, 48 (2)*, 5-22

Chapters

Vora, G. (2010). "Global Investment Management", *The Handbook of Technology Management, Volume 1*

Presentations

Vora, G. (2009). *Overview of the Economy and Markets (World Trends).* Rotery Del Sol Foundation, Albuquerque, New Mexico.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Steve Walsh

Referred Articles

Yanez, M. Tarek M. Khalil, Walsh S. T. (2010) Walsh IAMOT and Education: Defining a Technology and Innovation Management (TIM) Body-of-Knowledge (BoK) for graduate education (TIM BoK) *Technovation, Volume 30, Issues 7-8, July-August 2010, Pages 389-400*

Cordero, R., Walsh, S., and Kirchhoff, B. (2009), Organization technologies, AMT and competent workers: Exploring relationships with manufacturing performance V. 20, I 3,(pp. 298-313)

Adham, K.A., Said, M.F., Hänninen, S., Walsh, S. (2009), Innovation and entrepreneurship in Malaysian mobile-phone-applications industry: implications for technology intelligence, Int. J. Technological Intelligence and Planning, V. 5 no. 1 pp. 36 – 54

Invited Non referrered

Walsh S. (2009) forward for Overissel Success Stories, University of Twente, Enschede, Netherlands

Walsh, S., (2009) forward for Tolfree, D and Smith, A. (2009) Road mapping Emergent Technologies; Planning for the Future, Matador, pp300

Proceedings

Tierney R. and Walsh S. (2010), Matrix Management for enabling technology based fabrication at the interface of technology, Cairo, Egypt. IAMOT march 2010.

Tierney, R. and Walsh S. (2010) "Evaluating the role of Micro and nanotechnology founders as harbingers of entrepreneurial innovation" High Tech Small Firms Conference (May 2010)

Walsh (2009) "Why is LIGA commercialization lagging other MEMS based manufacturing Techniques," HARMST, Saskatoon, Canada, June 2009 (NR)

Walsh, S. (2009), "A Metric Management Approach for development fabrication facilities, (MANCEF, Copenhagen) August 2009

Walsh, S. (2009), "Water, Energy and Global Warming 21st Century Problems 21st Century Solutions," The 2009 Water Innovation Technology & Sustainability (WITS) Conference Nov. 23-24, 2009 (NR)

Walsh, S. and Tierney, R. (2009), "Towards a Metric Management Approach for Multi-Emerging Technology Based Fabrication Facilities," PICMET, August 2-6, 2009 Portland Oregon

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Walsh, S. and Linton, J. (2009), "The Strategy-Technology Firm Fit Audit," PICMET, August 2-6, 2009 Portland Oregon

Allarakhia, M., Walsh, S. (2009), "Research- Industry Collaborations enabling green nanotechnology development: An Indian Case," IAMOT, Orlando, Florida, April 5- 9, 2009

Mahto, R., Walsh, S. (2009) "Not Getting Involved: The role of Heirs in Family Business," 2009 ICSB World Conference, June 21-24 Seoul, Korea

Chapters

Walsh, S. (2009). "Forward", *Overissel Success Stories.*

Walsh, S. (2009). "Forward", *Road Mapping Emergent Technologies*, (pp. 300).

Presentations

Walsh, S. (2009, December). *Newton's Laws for Technology and Innovation Management.* IIT, Delhi, India.

Walsh, S. (2009, December). *Emerging Technologies solutions to Emerging World Problems with Regional Expressions.* TIFAC, Delhi, India.

Walsh, S. (2009). *Relevant Academic Research versus and Answer in Search of a Question.* Libraries Faculty Acknowledgment presentation, Albuquerque, New Mexico.
Walsh, S. (2009, October). *The Bio Nano Roadmap.* New Mexico Namo Net, Albuquerque, New Mexico.

Walsh, S. (2010, May). *Nanotechnology Markets and Commercialization Issues.* High Tech Small Firms, Hengelo, Netherlands.

Walsh, S. (2010, April). *Converging World Problems and Converging Micro and Nano Technology Solutions.* MEMS Summit, Dortmund, Germany.

Walsh, S. (2010, June). *The Promise and Problems of Nano Business.* Nine University Student Presentation, Albuquerque, New Mexico.

Honors/Awards

2009-2010: New Mexico Small Business Award Program.

2009-2010: Annual UNM Award UNM Faculty Acknowledge Award.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

SERVICE ACTIVITIES

DEPARTMENT OF FINANCE, INTERNATIONAL, TECHNOLOGY AND ENTREPRENEURSHIP

Hsuan-Chi Chen

Service: Professional

Academic Conference: Discussant

2009-2010: Financial Management Association, discussing [Seasoned equity issuers' R&D investments: Signaling or over-optimism], Reno, Nevada (International).

Reviewer: Ad Hoc Reviewer for a Journal

2009-2010: Journal of Banking and Finance, reviewing the manuscript 09-1964 for Journal of Banking and Finance (International).

Service: University

Department Assignments

Member:

2009-2010: Finance Search Committee (FITE department) - Fall 2009: Interviewing candidates at the 2009 FMA conference; attending the presentation of the selected candidate; meeting with the selected candidate; participating in various meetings of the search committee

College Assignments

Member:

2009-2010: IT Committee: served as a committee member of the IT committee

Other Institutional Service Activities:

2009-2010: Anderson convocation - Fall 2009: Participating in Anderson convocation (Fall 2009)

2009-2010: Instructor for Advanced Math Skills Workshop (Anderson School of Management): Teaching basic statistics at Advanced Math Skills Workshop offered at the beginning of each semester (Fall 2009-present)

Writing Student Recommendations:

2009-2010: Writing recommendation letters for students or graduates: Writing recommendation letters for students or graduates for employment or admission into advanced degree programs; the list of 2009: Brandon Gilmore, Claudia Cano, Lillian Lam, Yang Yang, and Quyen Nguyen

University Assignments

Faculty Advisor:

2009-2010: Faculty advisor to Taiwanese Student Association at UNM (2007-present): Advising to Taiwanese Student Association at UNM (2007-present)

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Dante DiGregorio

Service: Professional

Board Member: PRJ Editorial Review Board

2009-2010: Journal of Business Venturing (National).
2009-2010: Journal of Management Studies (National).

Member: Committee/Task Force

2009-2010: Academy of Management, member of Entrepreneurship, International management (IM) and Business Policy and Strategy Divisions (National).
2009-2010: NYU/McKinsey & Company, member expert review panel assessing social impact (National).

Service: University

College Assignments

Faculty Advisor:

2009-2010: Anderson International Student Exchange Programs: Director of the program from 2001 to present

Member:

2009-2010: Anderson Faculty

University Assignments

Chair:

2009-2010: UNM Study Abroad Advisory Committee
2009-2010: UNM Study Abroad Task Force, Provosts Office

Member:

2009-2010: Board of Directors KNME-TV: Board member
2009-2010: Steering Committee, UNM Rome Campus Initiative
2009-2010: Interdisciplinary Committee on Latin American Studies UNM: appointed by Dean of Arts & Sciences
2009-2010: Executive Committee Latin American and Iberian Institute UNM

Other Institutional Service Activities:

2009-2010: Co-Project Director: Co-Project Director Title VI-B grant for Business and International Education program, US Department of Education 2009-2011.

Raul de Gouvea Neto

Service: Professional

Chair: Conference / Track / Program

2009-2010: WITS, Co-Chair of Water, Innovation, Technology Sustainabilty Conference in Manaus Brazil - WITS (International).

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Service: University

College Assignments

2009-2010: Anderson Leadership Council

Sul Kassicieh

Service: Professional

Board Member: PRJ Editorial Review Board

2009-2010: International Journal of Social Ecology and Sustainable Development (International).

Other Professional Service Activities

2009-2010: International Journal of Innovation and Technology Management, Area Editor (International).

Service: University

University Assignments

Member:

2009-2010: UNM Committee on Governance

Emmanuel Morales-Camargo

Service: Community

Positions Held in Civic Organizations

2009-2010: New Mexico-Sonora Commission, Educational Commissioner appt. by Gov. Bill Richardson

Service: University

Department Assignments

Faculty Advisor:

2009-2010: Finance Concentration: Faculty advisor for finance concentration

College Assignments

Faculty Advisor:

2009-2010: Financial Investment Association

Faculty Sponsor:

2009-2010: Association for Business Research

John Schatzberg

Service: University

Department Assignments

Faculty Advisor:

2009-2010: Finance Area Student Advisor: Curriculum Service Assignments
Content study across finance concentration courses
Long-term scheduling of finance courses

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

College Assignments
Member:
2009-2010: Anderson Curriculum and Programs Committee

Doug Thomas

Service: University

College Assignments
Member:
2009-2010: Anderson Leadership Council

Other Institutional Service Activities:
2009-2010: UNM-Centro Fox summer Program: Director

University Assignments
Chair:
2009-2010: UNM Writing Across the Curriculum Sub-Committee
2009-2010: University Core Curriculum Task Force: Sub Committee Chair - Writing Across the Curriculum

Member:
2009-2010: President's Strategic Advisory Team
2009-2010: College Academic Reporting Group Committee
2009-2010: Provost's Committee for Assessment

Gautam Vora

Service: University

College assignments:

Member:
2009 - 2010 :Dean's Advisory Review Committee

Steve Walsh

Service: Professional

Other Professional Service Activities
2009-2010: Chair International Roadmap Committee MANCEF
2009-2010 – CNM college tram member for school direction initiatives and Nano Technologies or "COMS 2010" in New Mexico
2009-2010 – Local committee member for the International Commercialization Conference on Micro and Nano Technologies or "COMS 2010" in New Mexico
2009-2010 – Member Board of Northern New Mexico Connect
2009-2010 – Assisted in the development of Duke City Dozen award for Entrepreneurship for Albuquerque Chamber of Commerce

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

2009-2010 – Board Member and Co-Chair of Education committee for International Association of Management of Technology

Service: University

College assignments:

Member:
2009 -2010 : Policy and Planning committee
2009-2010: UNM Business Plan Competition Team Mentor

SPONSORED RESEARCH
DEPARTMENT OF FINANCE, INTERNATIONAL, TECHNOLOGY AND ENTREPRENEURSHIP

New Mexico Small Business Assistance Program – 2009-2010 Amount – approximately, $150,000

Principal Investigators – Sul Kassicieh, Steve Walsh, Craig White, Rajankumar Mahto
Purpose of the grant is mentoring and supervising students working with small businesses to assess market opportunities.
The grant is ongoing – renewed from year-to-year at the option of the sponsor.

Widening the Scope of UNM's International Business Education Programs – 2009-2010 Amount – $94,655

Principal Investigators – Dante DiGregorio, Douglas Thomas
Sponsor – Department of Education

Sustaining Rural Communities in North America via Entrepreneurship Education – 2009-2010 Amount - $31,934

Principal Investigator – Dante DiGregorio
Sponsor – East Tennessee State University

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

DEPARTMENT OF MARKETING, INFORMATION SYSTEMS, AND DECISION SCIENCES (MIDS)
July 1, 2009 – June 30, 2010

Chair:	Steven A. Yourstone	Associate Professor
Full-time faculty:	Gerald Albaum	Research Professor
	John D. Benavidez	Lecturer
	Ranjit Bose	Professor
	Stephen D. Burd	Associate Professor
	Linda Ferrell	Associate Professor
	O.C. Ferrell	Professor
	Dimitri Kapelianis	Assistant Professor
	S. Howard Kraye	Lecturer
	Xin Luo	Assistant Professor
	Mary Margaret Rogers	Associate Professor
	Catherine Roster	Associate Professor
	Laurie Schatzberg	Associate Professor
	Alessandro F. Seazzu	Lecturer II
	Douglas M. Stewart	Associate Professor
Half-time Faculty :	Nick Flor (IF&DM Director)	Associate Professor
Part-time faculty:	James Constand	Linda Merewether
	John Eberly	William Epler
	David Harris	Susan Hershberger
	Peter Jurkat	Elaine McGivern
	Stacy Sacco	Josh Saiz
	Linda Shul	

SIGNIFICANT DEVELOPMENTS FOR ACADEMIC YEAR, 2009-2010
DEPARTMENT OF MARKETING, INFORMATION AND DECISION SCIENCES

Linda Ferrell and O.C. Ferrell Developed a Grant Proposal for the Daniels Fund to support business ethics education in NM-$1,250,000. Grant awarded Nov. 18, 2009.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

SIGNIFICANT PLANS AND RECOMMENDATIONS
DEPARTMENT OF MARKETING, INFORMATION AND DECISION SCIENCES

The department is launching an online BBA concentration in MIS. Additional concentration courses in Operations Management at the MBA level will be moved to an online offering for fall 2011.

PROMOTIONS, SABBATICALS, SEPARATIONS, AWARDS
DEPARTMENT OF MARKETING, INFORMATION AND DECISION SCIENCES

Sabbatical: Ranjit Bose—spring semester 2010

PUBLICATIONS
DEPARTMENT OF MARKETING, INFORMATION AND DECISION SCIENCES

Gerald Albaum

Referred Articles

Online Quantitative-Based Assignments—Are More Attempts Better for Learning? (2010) with S. Yourstone & S. Howard Kraye. *Decision Sciences Journal of Innovative Education*. Volume 8, Issue 2, pages 347-351

Albaum, G., Han, V., Wiley, J., & Thirkell, P. (2009). Applying Theory to Structure Respondents' Stated Motivations for. *Qualitative Market Research.*

Albaum, G., Wiley, J., Han, V., & Thirkell, P. (2009). Selecting Techniques for Use in an Internet Survey. *Asia Pacific Journal of Marketing and Logistics.*

Albaum, G., Roster, C., Wiley, J., Rossiter, J., & Smith, S. (2009). Designing Web Surveys in Marketing Research: Does Use of Forced Answering Affect Completion Rates? *Journal of Marketing Theory & Practice.*

Proceedings

Albaum, G. & Roster, C. (2009). Item Omission in Internet-Based Survey Data Collection. *Academy of Marketing Science World Marketing Congress.*

Ranjit Bose

Referred Articles

Bose, R. (2009). Advanced Analytics: Opportunities & Challenges. *Industrial Management & Data Systems, 109 (2)*, 155-172.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Proceedings

Bose, R. & Sugumaran, V. (2009). Adopting Green IT: Opportunities and Challenges. *International Conference on Global Interdependence and Decision Sciences.*

Bose, R. (2010). *Opinion Mining of Social Website Data.* Southeast Decision Sciences Institute Annual Meeting, Wilmington, North Carolina, pp. 236-245.

Presentations

Bose, R. & Sugumaran, V. (2009). *Adopting Green IT: Opportunities and Challenges.* International Conference on Global Interdependence and Decision Sciences, Hyderabad, India.

Honors/Awards

2009-2010: Distinguished Professor Award The Wall Street Journal-In-Education.

Steve Burd

Referred Articles

Nance, K., Hay, B., Dodge, R., Seazzu, A., & Burd, S. (2009). Virtual Laboratory Environments: Methodologies for Educating Cybersecurity Researchers. *Methodological Innovations Online.* Burd, S., Seazzu, A. F. , & Conway, C. (2009). Virtual Computing Laboratories: A Case Study with Comparisons to Physical Computing Laboratories. *Journal of Information Technology Education, 8,* 55-78.

Chapters, Cases, Readings, Supplements

Burd, S., Luo, X., Brody, R., & Seazzu, A. (2009). "Social Engineering: The Neglected Human Factor for Information Security Management", *Handbook of Research on Threat Management and Information Security: Models for Countering Attacks, Breaches and Intrusions, IGI Global.*

Linda Ferrell

Referred Articles

Ferrell, L. & Ferrell, O. (2009). Historical Developments of Business Ethics: Then and Now. *Business Ethics through Time and Across Contexts.*

Ferrell, O.C. & Ferrell, L. (2009). An Enterprise-Wide Strategic Approach to Sales Ethics. *Journal of Strategic Marketing.*

Ferrell, O.C. & Ferrell, L. (2010). An Assessment of the Use of Technology in the Direct Selling Industry. *Journal of Personal Selling & Sales Management.*

Ferrell, O.C. & Ferrell, L. (2009). The Future of Business Ethics. *Business Ethics through Time and Across Contexts.*

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Books

Ferrell, L. (2010). *Essential Manager: Ethical Business.* Pearson-UK.

Ferrell, L. (2009). *Business Ethics Ethical Decision Making and Cases Financial Update Edition.* Cengage.

Ferrell, L. (2010). *Business Ethics: Ethical Decision Making and Cases, 8th edition.* Cengage.

Ferrell, L. (2010). *Business and Society: A Strategic Approach to Social Responsibility, 4th edition.* Cengage.

Ferrell, L. (2010). *M Book-Introduction to Business, 2nd edition.* McGraw Hill.

Ferrell, L., Ferrell, O., & Hirt, G. (2009). *Business: A Changing World 7th Edition.* McGraw Hill Irwin.

Ferrell, L. (2009). *M-Book-Introduction to Business, 1st Edition.* McGraw Hill Irwin.

Presentations

Ferrell, L., Ferrell, O.C., Engelland, B., & Fraedrich, J. (2009). *Assurance of Learning (AOL) for Ethics, Social Responsiblity, and Professionalism: Ideas for Goals, Curriculum, Pedagogy and Assessment.* Marketing Management Association, Chicago, Illinois.

Ferrell, L., Ferrell, O.C., Fraedrich, J., & Robinson, S. (2009). *Integrating Ethics into the Business Curriculum.* Marketing Education Association Annual Meeting, Long Beach, California.

Ferrell, L. (2009). *Business Ethics and the Global Financial Crisis.* Academy of Marketing Science World Marketing Congress, Oslo, Norway.

Ferrell, L. & Ferrell, O.C. (2009). *Understanding Ethical Misconduct in the Current Financial Crisis & The Introduction to Business Course.* Texas Community College Teacher's Association, Austin, Texas.

Ferrell, L. & Ferrell, O.C. (2009). *Business Ethics, Marketing Strategy and the Global Financial Crisis.* Presentation to Masters in Marketing Students at Thammasat University-Bangkok, Thailand, Bangkok, Thailand.

Ferrell, L. & Ferrell, O.C. (2009). *The Role of Ethics in the Global Financial Crisis.* Presentation to business community in Las Campanas (Santa Fe, NM)-organized by Ernest Rodriguez Naaz, Santa Fe, New Mexico.

Ferrell, L. & Ferrell, O.C. (2009). *Teaching Organizational Ethics: Concepts and Approaches.* The Texas Tech University Teaching Academy, 8th Annual John M. Burns Conference on the Scholarship of Teaching and Learning-Oct, 2009, Lubbock, Texas.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Ferrell, L. & Ferrell, O.C. (2009). *The Importance of SoTL Work in Teaching Difficult Subjects.* The Texas Tech University Teaching Academy, 8th Annual John M. Burns Conference on the Scholarship of Teaching and Learning-Oct, 2009, Lubbock, Texas.

Ferrell, L. & Ferrell, O.C. (2009). *The Financial Crisis and Organizational Ethics.* Bethel University MBA Seminar October 2009, Memphis, Tennessee.

Ferrell, L. & Ferrell, O.C. (2009). *Ethics in Business: History, Approaches, Challenges & Current Practices.* Presentation to the College of Business-Texas State University-Nov. 2009, San Marcos, Texas.

Ferrell, L. & Ferrell, O.C. (2009). *Integrating Ethics into the Business Curriculum.* Presentations to the faculty at St. Edwards University-Nov, 2009, Austin, Texas.

Ferrell, L. & Ferrell, O.C. (2009). *Ethics in Business.* Presentation at Kirtland Air Force Base-Oct, Albuquerque, New Mexico.

O.C. Ferrell

Referred Articles

Ferrell, O.C. & Ferrell, L. (2009). An Enterprise-Wide Strategic Approach to Sales Ethics. *Journal of Strategic Marketing, 17 (3,4)*, 257-270.

Ferrell, O.C. & Ferrell, L. (2009). The Future of Business Ethics. *Business Ethics through Time and Across Contexts.*

Ferrell, O.C. & Ferrell, L. (2009). Historical Developments of Business Ethics: Then to Now. *Business Ethics through Time and Across Contexts.*

Books

Ferrell, O.C. & Pride, W. (2010). *Marketing: Concepts and Strategies.* Mason, Ohio: South-Western Cengage Learning.

Ferrell, O.C., Ferrell, L., & Hirt, G. (2009). *Business: A Changing World, 7th edition.* McGraw Hill Irwin.

Ferrell, O.C., Ferrell, L., & Hirt, G. (2009). *M-Book-Introduction to Business, 1st Edition.* McGraw Hill Irwin

Presentations

Ferrell, O.C. (2009). *Business Ethics and the Global Financial Crisis.* Academy of Marketing Science World Marketing Congress, Oslo, Norway.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Ferrell, O.C. (2009). *Teaching Organizational Ethics: Concepts and Approaches.* 8th Annual John M. Burns Conference on the Scholarship of Teaching and Learning, Texas Tech University, Lubbock, Texas.

Ferrell, O.C. (2009). *The Importance of SoTL Work in Teaching Difficult Subjects.* 8th Annual John M. Burns Conference on the Scholarship of Teaching and Learning, Texas Tech University, Lubbock, Texas.

Ferrell, O.C. (2009). *The Financial Crisis and Organizational Ethics.* MBA seminar, Bethel University, Memphis, Tennessee.

Ferrell, O.C. (2009). *Ethics in Business History: Approaches, Challenges, and Current Practices.* presentation to College of Business faculty, Texas State University, San Marcos, San Marcos, Texas.

Ferrell, O.C. (2009). *Integrating Ethics into the Business Curriculum.* presentation to College of Business, St. Edwards Univ., Austin, TC, Austin, Texas.

Nick Flor

Proceedings

Flor, N. (2009). The Social Triode: A Key Mechanism in Autonomous Websites. *IADIS International Conference WWW/Internet 2009.*

Flor, N. (2009). Latin Vulgate . com : A Case Study of the Transmediation of an Ancient Text. *IADIS International Conference WWW/Internet 2009.*

Flor, N. (2009). Contribution Graphing: A Method for Analyzing Co-Constructed Knowledge in Online Advice Discussions. *IADIS International Conference WWW/Internet 2009.*

Chapters, Cases, Readings, Supplements

Flor, N. (2010). "Self-Developing a Multi-User Virtual Environment for Research and Educational Innovations", In Press, *Teaching through Multi-User Virtual Environments: Applying Dynamic Elements to the Modern Classroom.*

Howard Kraye

Referred Articles

Online Quantitative-Based Assignments—Are More Attempts Better for Learning? (2010) with S. Yourstone & G. Albaum. *Decision Sciences Journal of Innovative Education.* Volume 8, Issue 2, pages 347-351

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Honors/Awards

2009-2010: Winner of the Southwest Business Dean's Association Award for the Most Innovative Education Class for 2009-2010. Southwest Business Dean's Association.

Xin Luo

Referred Articles

Luo, Xin, Han Li, Jie Zhang, and J. P. Shim, "Examining Multi-dimensional Trust and Multi-faceted Risk in Initial Acceptance of Emerging Technologies: An Empirical Study of Mobile Banking Services," *Decision Support Systems,* Vol. 49, pp. 222-234, 2010

Luo, X., Gurung, A., & Shim, J. P. (2009). Understanding the Determinants of User Acceptance of Enterprise Instant Messaging: An Empirical Study. *Journal of Organizational Computing and Electronic Commerce.*

Luo, X., Zhang, J., Akkaladevi, S., & Ziegelmayer, J. (2009). Improving Multiple-password Recall - An Empirical Study. *European Journal of Info Systems, 18 (3)*, 165-176.

Luo, X., Liao, Q., Gurung, A., & Li, L. (2010). Workplace Monitoring and Employee Misuse Avoidance: Does Punishment Matter? *Journal of Computer Information Systems, 50 (2)*, 49-59.

Luo, X. (2009). Consumer Motivations in Taking Action against Spyware: An Empirical Investigation. *Information Management & Computer Security, 17 (3)*, 276-289.

Brody, R. & Luo, X. (2009). Fraud and white collar crime: A Chinese perspective. *Cross Cultural Management: an International Journal, 16 (3)*, 317-326.

Proceedings

Yan, Ruiliang and Xin Luo, "Understanding Consumers' Online Search and Purchase Behaviors: A Social-Psychological Perspective," Proceedings of 2010 Joint Conference on eServices and Business Intelligence, Chengdu, China, June 4-6, 2010

Lu, Yong, Xin Luo, Xubin Cao, and Dan Yang, "The Roles of Social Capital in Virtual Communities," Proceedings of 2010 Joint Conference on eServices and Business Intelligence, Chengdu, China, June 4-6, 2010

Zhu, Bin, Xin Luo, Jian Ma, and Michael Chau, "Finding Treasures from Your Trash," Proceedings of 2010 Joint Conference on eServices and Business Intelligence, Chengdu, China, June 4-6, 2010

Brody, Richard, Xin Luo, and Alex Seazzu, "Electronic Discovery: A Descriptive Analysis of Technological, Legal, and Managerial Issues," Proceedings of Annual AAA Forensic and Investigative Accounting Section Research Conference, Baton Rouge, LA, May 7-8, 2010

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Luo, Xin, Merrill Warkentin, and Allen Johnston, "The Impact of National Culture on Workplace Privacy Expectations in the Context of Information Security Assurance," Proceedings of America's Conference on Information Systems, San Francisco, California, August 2009

Luo, X., Pope, M., Warkentin, M., & Mutchler, L. A. (2009). The Domain Name System -Past, Present, and Future. Proceedings of Decision Sciences Institute.

Luo, X. & Schatzberg, L. (2009). Results of an Online Information Security Module in a Required Introductory MIS Course. International Academy for Information Management (AIS SIGED).

Chapters, Cases, Readings, Supplements

Luo, Xin and Wei Zhang, "Guest Editorial Preface: Information and Communication Technology Issues in the Greater China Region," special issue on ICT Issues in Greater China Region, Journal of Global Information Technology Management, Vol.13, No. 2, April 2010

Burd, S., Luo, X., Brody, R., & Seazzu, A. (2009). "Social Engineering -The Neglected Human Factor for Information Security Management", Handbook of Research on Threat Management and Information Security: Models for Countering Attacks, Breaches and Intrusions, IGI Global.

Honors/Awards

Winner of Distinguished Paper (Information Systems Track), Decision Sciences Institute
Best Paper Nominee, Information Academy for Information Management (SIG-ED)

Catherine Roster

Referred Articles

Albaum, G., Roster, C. A. , Wiley, J., Rossiter, J., & Smith, S. M. (2009). Designing Web Surveys in Marketing Research: Does Use of Forced Answering Affect Completion Rates? *Journal of Marketing Theory & Practice, 18 (3)*, 285-293.

Gopalakrishna, S., Roster, C. A. , & Sridhar, S. (2010). An Exploratory Study of Attendees Activities at a Business Trade Show. *Journal of Business & Industrial Marketing, 25 (4)*, 241-248.

Proceedings

Roster, C. & Albaum, G. (2009). Item Omissions in Internet-based Survey Data Collection. *Academy of Marketing Science World Marketing Congress.*

Presentations

Roster, C. A. & Albaum, G. (2010, May). *Variations in Sensitivity of Topics Among Nations: Implications for Web-Based Surveys.* American Marketing Society, Portland, Oregon.

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Roster, C.A. (2010, Sept.). *Chronic Disorganization Research Updates.* Presentation to the National Study Group on Chronic Disorganization, Austin, TX.

Honors/Awards

2009-2010: Faculty Community Leadership Award Anderson School of Management.
2009-2010: 2009 Exceptional Reviewer Award Journal of Business Research Editorial Board.

2009-2010: Regents' Lectureship Award.

Laurie Schatzberg

Proceedings

Schatzberg, L. (2009). Tweet This: The Business of Social Networking. *International Academy for Information Management (AIS SIGED).*

Luo, X. & Schatzberg, L. (2009). Results of an Online Information Security Modules in a Required Introductory MIS Course. *International Academy for Information Management (AIS SIGED).*

Books, Monographs, Compilations, Manuals

Castellanos, J. & Schatzberg, L. (2010). *Computing for Management Students (2nd Edition).* Pearson

Presentations

Luo, X. & Schatzberg, L. (2009, December). *Results of an Online Information Security Modules in a Required Introductory MIS Course.* International Academy for Information Management (AIS SIGED), Phoenix, Arizona.

Schatzberg, L. (2009, December). *Tweet This: The Business of Social Networking.* International Academy for Information Management (AIS SIGED), Phoenix, Arizona.

Alessandro F. Seazzu

Referred Articles

Nance, K., Hay, B., Dodge, R., Seazzu, A., & Burd, S. (2009). Virtual Laboratory Environments: Methodologies for Educating Cybersecurity Researchers. *Methodological Innovations Online.*

Chapters, Cases, Readings, Supplements

Burd, S., Luo, X., Brody, R., & Seazzu, A. (2009). "Social Engineering: The Neglected Human Factor for Information Security Management", *Handbook of Research on Threat Management and Information Security: Models for Countering Attacks, Breaches and Intrusions, IGI Global.*

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Douglas Stewart

Referred Articles

Stewart, D., Nolte, K. B. , & Muller, T. B. (2009). IBC Quality Improvement. *Applied Biosafety, 14 (2)*, 68-69.

Proceedings

Stewart, D., Mirowsky, K., Garcia, M., & Nolte, K. (2009). Performing Post Approval Monitoring of Animal Care and Use Protocols. *Association for Assessment and Accreditation of Laboratory Animal Care National Meeting.*

Stewart, D. (2009). Reconciling the Experiential Services Literature. *Proceedings of Decision Sciences Institute.*

Steven Yourstone

Chapters, Cases, Readings, Supplements

Yourstone, S. & Waldman, J. Deane (2009). "Learning and Thinking Systems", *Learning Curves: Theory, Models, and Applications*. CRC Publications.

Online Quantitative-Based Assignments—Are More Attempts Better for Learning? (2010) with H.S. Kraye & G. Albaum. *Decision Sciences Journal of Innovative Education*. Volume 8, Issue 2, pages 347-351

SERVICE ACTIVITIES

DEPARTMENT OF MARKETING, INFORMATION AND DECISION SCIENCES

Gerald Albaum

Service: Professional

Chair: Conference / Track / Program

2009-2010: Academy of Marketing Science World Marketing Congress, Oslo, Norway (International).

John Benavidez

Service: University

Department Assignments

Faculty Advisor:

2009-2010: UNM Collegiate Chapter of the American Marketing Association

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Other Institutional Service Activities:
2009-2010: Marketing Management Course Coordinator

College Assignments
Writing Student Recommendations:
2009: Wrote 31 letters of recommendation for students pursuing a career of graduate education.

University Assignments
Faculty Advisor:
2009-2010: Alpha Nu Chapter of Phi Gamma Delta
Member:
2009-2010: Student Union Building Board

Other Institutional Service Activities:
2009: UNM Parent Experience Program: Presented on July 24, 2009.
2009-2010: Lobo Football: Met with Lobo football recruits interested in business and their parents.

Ranjit Bose
Service: Professional

Board Member: PRJ Editorial Review Board
2009-2010: Journal of Computer Information Systems (International).
2009-2010: Journal of International Technology and Information Management (International).

Service: University

College Assignments
Member:
2009-2010: Anderson Entrance and Credits Committee

Steve Burd
Service: Professional

Member: Committee/Task Force
2009-2010: New Mexico Telehealth Alliance, Secretary/Treasurer since May 2006 (International).
2009-2010: New Mexico Regional Health Information Organization, (RHIO-Grande) (International).

Officer: Organization / Association
2009-2010: New Mexico Telehealth Alliance, Secretary/Treasurer (International).

Reviewer: Conference Paper
2009-2010: Hawaii International Conference on System Sciences (International).

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Service: University

College Assignments

Member:

2009-2010: Anderson Curriculum and Programs Committee

Linda Ferrell

Service: Professional

Board Member: Advisory Board

2009-2010: Academy of Marketing Science, Vice President of Programs (International).

2009-2010: Cutco/Vector College Advisory Board, On the Cutco/Vector College advisory board with: Bob Peterson (University of Texas), Vicky Crittenden (Boston College), Derek Hassay (University of Calgary), Joe Hair (Kennesaw University) and Mike Williams (Central Oklahoma University) 2008-2010 (International).

Chair: Conference / Track / Program

2009-2010: Academy of Marketing Science World Marketing Congress, Conference co-chair for international conference in Norway with Vicky Crittenden at Boston College., Oslo, Norway (International).

Member: Committee/Task Force

2009-2010: American Marketing Association, Ethics Task Force (International).

Service: University

University Assignments

Chair:

2009-2010: UNM University Ethics Committee: Chairing University Ethics Committee

O.C. Ferrell

Service: Professional

Officer: Organization / Association

2009-2010: Academy of Marketing Science, Vice President of Publications (International).

Service: University

College Assignments

Member:

2009-2010: Deans Advisory Review Committee

2009-2010: Anderson Dean Search Committee

Nick Flor

Service: Professional

Chair: Conference / Track / Program

2009-2010: IADIS International Conference WWW/Internet, Rome, Italy (International).

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Presentation
2009-2010: IADIS International Conference WWW/Internet, Rome, Italy (International).

Service: University

College Assignments
Member:
2009-2010: Anderson Dean Search Committee

University Assignments
Member:
2009-2010: Deans Search Committee: University College
2009-2010: Faculty Senate Teaching Enhancement Committee
2009-2010: Faculty Senate Undergraduate Committee

Other Institutional Service Activities:
2009-2010: Associate Director: Interdisciplinary Film & Digital Media Program
2009-2010: University Commencement Reader

Dimitri Kapelianis

Service: Professional

Member: Committee/Task Force
2009-2010: American Marketing Association (International).

Reviewer: Ad Hoc Reviewer for a Journal
2009-2010: Journal of the Academy of Marketing Science (International).
2009-2010: Journal of Marketing, Ad Hoc Reviewer Journal of Marketing, 2005 to present (International).
2009-2010: Journal of Marketing, Ad Hoc Reviewer Journal of Marketing, 2005 to present (International).

Service: University

Dissertation Assignments
Other Institutional Service Activities:

2009-2010: External Examiner Ph.D. Thesis: Ph.D. Thesis of Ms Charlene Heyns-Nell, Graduate School of Business, University of Cape Town, 2009

Howard Kraye

Service: Professional

Advisor
2009-2010: Business Advisor for Lockheed Martin's Technology Ventures Corporation (National).

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Xin Luo

Service: Professional

Board Member: Advisory Board

2009-2010: Journal of Internet Banking and Commerce (International)
2009-2010: Journal of Cases on Information Technology (International).
2009-2010: International Journal of E-Services and Mobile Applications (International).
2009-2010: International Journal of Information Technology Project Management
2009-2010: International Journal of E-Services and Mobile Applications
2009-2010: International Journal of Business Intelligence Research
2009-2010: International Journal of E-Finance
2009-2010: Academy of Business Disciplines Journal (former Journal of Business Disciplines)

Reviewer: Ad Hoc Reviewer for a Journal

MIS Quarterly
European Journal of Information Systems
Decision Support Systems
Electronic Commerce Research and Applications
Journal of Computer Information Systems
Journal of Information Technology Theory and Application
Industrial Management & Data Systems

Reviewer: Ad Hoc Reviewer for a Conference

The Dewald Roode Information Security Workshop, IFIP WG 8.11 conference (2010)
International Conference on Information Systems (ICIS) (2009, 2010)
Americas Conference on Information Systems (2004, 2005, 2007, 2008, 2009)
Decision Science Institute (tracks of Information Security and Information Systems, 2005, 2007, 2008, 2009)

Chair: Conference / Track / Program

2009-2010: Americas Conference on Information Systems, Mini-track chair of ICT Issues in the Greater China Region (International).
2009-2010: Americas Conference on Information Systems, Mini-track chair of ICT Issues in the Pan-Pacific Region (International).
2009-2010: Program Co-Chair for Joint Conference on eServices and Business Intelligence (International).

Program Committee for International Conferences

International Conference on Accounting and Information Technology (2010)
5th Midwest Association for Information Systems Conference (2010)
Financial Business Intelligence and Risk Management & Electronic Payment and Electronic Commerce

Service: Community

Vice President for New Mexico Chinese School of Arts & Language

Mary Margaret Rogers

Service: Community

Member of a Committee

2009-2010: Albuquerque APICS, University liaison to Albuquerque APICS

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Service: Professional

Board Member: PRJ Editorial Review Board

2009-2010: Industrial Marketing Management (International).

Service: University

Department Assignments

Assurance Of Learning - Institutional Service:

2009: Learning Assurances Review: Helped John Benavidez review LOA for marketing BBA and MBA core classes.

Faculty Advisor:

2009: Reviewed Peer Review Teaching Process with Steve Burd
2009: MIDS Rockfest: 4/20/2009 Attended MIDS Rockfest--Recruiting event for MBA and BBA students. Provided information about concentrations.
2009: Operations area coordinator: Responsible for student advising, transfer credit evaluation, developing class schedule, managing curriculum issues, creating peer review teaching matrix, other duties as assigned by department chair
2009: Marketing Area Coordinator: Responsible for student advising, transfer credit evaluation, developing class schedule, managing curriculum issues, creating peer review teaching matrix, other duties as assigned by department chair

Other Institutional Service Activities:

2009: Spring Peer Teaching Review: Reviewed Alex Seazzu's on-line class as part of MIDS peer review of teaching
2009: Marketing/Ops Journal Lists: Responsible for assembling lists of journals ranked according to quality for the Marketing, Operations, and supply chain.
2009: Marketing Curriculum Review: Participated in and curriculum review for the marketing concentration. Helped C&P rep, Steve Burd finalize forms for presentation to ASM faculty.
2009: Peer Review of Teaching: Reviewed Dimitri Kapelianis' class as part of MIDS peer review of teaching process,
2009: Participation in Supply Chain Class Project: April--Participated in Mr. Kraye's Supply Chain Projects class by helping students complete project (with Mr. Kraye's consent).

College Assignments

Chair:

2009-2010: Policy and Planning Committee

Faculty Advisor:

2009: MBA welcome calls
2009: Fall MBA Orientation

Member:

2009: ASM Scholarship Committee

Other Institutional Service Activities:

2009: Took visiting scholar to dinner: Took Greg Marshall to dinner after his research seminar
2009: Research Seminar: Attended Peter Jurkat's research seminar
2009: Attended farewell party for Amy Wohlert

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

2009: Research Seminar: Attended Nick Flor's research presentation
2009: Research seminar attendance: 1/5/2009 Research seminar by Greg Marshall
2009: Research Seminar attendance: 1/28 seminar by Victoria Crittenden

University Assignments
Member:
2009-2010: UNM Scholarship Committee

Catherine Roster

Service: Professional

Reviewer - Book / Textbook
2009-2010: Statistics in Plain English, 3rd edition, Psychology Press (International).

Service: University

College assignments:
Anderson School of Management Faculty Chair

Laurie Schatzberg

Service: Community

Other Community Service Activities
2009-2010: Mediator, Volunteer mediator for Bernalillo Country Metro court.

Positions Held in Civic Organizations
2009-2010: Juvenile Diabetes Research Foundation, International (JDRF), Board member for JDRF in NM. Significant & active involvement in planning & implementing annual Walk to Cure Diabetes; minor involvement in the annual Golf Tournament; moderate involvement in the Adult Outreach committee

Service: Professional

Board of Directors: Substantial Involvement
2009-2010: NMTC Women in Technology, I was on the conference committee, and chaired the scholarship nomination and selection process. I had substantial involvement in the planning, design, outreach, organization and implementation of the statewide conference, Albuquerque, New Mexico (State).

Chair: Committee / Task Force
2009-2010: New Mexico Technology Council - Women in Technology Celebration, Member of planning committee; chair, scholarship committee, scholarship judge, Albuquerque, New Mexico (State).

Invited Lecture
2009-2010: Flatworld Knowledge - webinar, One of three featured speakers for a Web2.0 textbook publisher's webinar to faculty worldwide. (International).

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Reviewer - Article / Manuscript
2009-2010: International Academy for Information Management (AIS SIGED), Reviewed several manuscripts, Phoenix, Arizona (International).

Service: University

Department Assignments
Other Institutional Service Activities:
2009-2010: Sandia National Labs - Education Fair MIS rep: Participating in day-long Sandia education fair to attract their employees to our programs. Spring 2010 is the 3rd event for which I'll represent MIS.

Other Institutional Service Activities:
2009-2010: Anderson Graduation: Each academic year, I participate in at least one of Anderson's graduation events. Since 2007, I normally participate in UNM graduation every year.
2009-2010: MBA Open House: Area rep for March 2, 2010 open house recruiting MBA students.

University Assignments
Other Institutional Service Activities:
2009-2010: UNM Graduation: At least once a year, participate in UNM graduation ceremonies.

State-wide Assignments
Member:
2009-2010: NM Business Articulation Consortium: Anderson representative for MIS committee.

Alessandro F. Seazzu

Service: Community

Member of a Committee
2009-2010: New Mexico Regional Computer Forensics Lab (FBI), Senior UNM representative. Member of the National Advisory Board.
Other Community Service Activities
2009-2010: Department of Homeland Security, Problems course. Developed vulnerability assessment framework.
Speech / Presentation at a Community Meeting
2009-2010: Sandia National Laboratories, IA recruiting and presentation

Service: University

College Assignments
Chair:
2009-2010: IT Committee
Faculty Sponsor:
2009: Information Assurance Student Organization

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Steven Yourstone

Service: Community

Member of a Committee

2009-2010: UNMH Family Practice Clinic Community Advisory Board, Member of community advisory board along with physicians and administrators. We discuss and make recommendations for improving the quality of service at the family practice clinic.

Board of Directors

2008-present: Student Laison to the Albuquerque Chapter of the American Production and Inventory Control Society.

Service: Professional

Reviewer - Article / Manuscript

2009-2010: Decision Sciences Journal of Innovative Education, Albuquerque, United States of America (International).

Track Chair

Track chair for the national meetings of the Decision Sciences Institute: 2006-2009

Service: University

College Assignments

Member:

2009-2010: Anderson Leadership Council

Deans Office:

2010: Work with Dean Brown to site a new building for the Anderson School of Management.

University Assignments

UNM Faculty Senate representative. August 2009-present

Member of the UNM Faculty Senate Computer Use Committee 2010

Member of the UNM Campus Development Advisory Committee. August 2009-present

Member of the UNM Learning Environments Committee. January 2009-present

Member of the UNM Learning Environments Sub Committee on Classroom Technologies 2010

Member of the Executive Council for Interactive Film and Digital Media August 2009 –present. 2009 to the present.

Member of the Honors Residence Life Dormitory Committee. 2010

Member of the Main Campus Housing Committee. 2010

Anderson School of Management, 2009-2010, Douglas M. Brown,Dean

Member of the West Side Campus Strategic Planning Task Force 2010

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UNM SCHOOL *of* PUBLIC ADMINISTRATION

ANNUAL REPORT

July 1, 2009 – June 30, 2010

Dr. Uday Desai
Director

THE ANNUAL REPORT OF
THE SCHOOL OF PUBLIC ADMINISTRATION
July 1, 2009 – June 30, 2010

Submitted by Angela Kamman – Administrative Officer

Director	Uday Desai
Faculty	Chih-Wei Hsieh Constantine Hadjilambrinos (75%) Kun Huang Gao Liu Bruce Perlman Mario Rivera Stephanie Smith Roli Varma (70%)

1. **Significant Developments During the 2009-10 Academic Year**
   - ❖ Bruce Perlman returned from Leave of Absence
   - ❖ Development and submission of new concentration in Health Policy & Administration
   - ❖ Development of five year (3+2) BA in Economics – MPA Program
   - ❖ Approval of five year (3+2) BA in Economics – MPA Program
   - ❖ Received approval to hire new faculty member with specialization in Native American Governance
2. **Significant Plans and Recommendations for the Near Future**
   - ❖ Development of Masters in Health Administration degree programs
   - ❖ Approval of new Health Policy & Administration Concentration
   - ❖ Continued examination of SPA goals and direction.
3. **Appointments, Promotions, Separations**
   - ❖ Kristen Cole was hired as a part time Graduate Academic Advisor

4. Publications, Outside Professional Activities, Outside Sponsored Research, Student Info

PUBLICATIONS

Dr. Uday Desai:

Publications:

- "Competitive sourcing in the Federal Civil Service" (with Keith Snavely) *American Review of Public Administration.* 40 (1), 2010, pp. 83-99.

Professional Activities:

- General Editor, Global Environmental Policy Series, State University of New York Press, 2005- Present.
- Member, Strategic Initiative Group 1 and 5 (SIG1 and SIG5), American Society for Public Administration, 2010-2012.

Dr. Chih-Wei Hsieh:

Paper Presentations at Professional Conferences:

- "Identifying, Appreciating, and managing Emotional Components of Public Service". at the ASPA Conference, March 13, 2010.

Reviewer for AOM Annual Meeting, January 2010. Reviewed following Articles:

- "Goals, Planning and Performance in the U.S. Federal Government"
- "Explaining the Differences of Work Attitudes between Public and Nonprofit Managers"

Dr. Kun Huang:

Publications

- Keith G. Provan, Kun Huang, and H. Brinton Milward, 2009. The evolution of structural embeddedness and organizational social outcomes in a centrally governed health and human service network. *Journal of Public Administration Research and Theory*, Oct, 19(4), p.873-895.

- Recipient of the Beryl Radin Award for Best Article in JPART (Volume 19) 2009

Outside Professional Activities

- 2009 Presented paper, "A Study of Hierarchical Control in a Cross-Sector Subcontracting Network" at the 10th National Public Management Research Conference at Ohio State University.
- 2010 Presented paper, "A Study of Agency Strategic Orientation and Inter-agency Collaboration in a Mixed-Sector Behavior Health Service Network" at the 9th Annual Public Health Systems Research Interest Group Meeting, Boston, MA.
- Served as anonymous reviewer for the Public and Nonprofit Division of the 2010 Academy of Management Annual Meeting.
- Reviewed the manuscript, "Social Networks in Open Systems of Governance: the Case of an English Local Older Persons' Care System" for *Public Management Review.*
- Reviewed the manuscript, "The Politics of Connections: Assessing the Determinants of Social Structure in Policy Networks" for *Journal of Public Administration Research and Theory.*

- Reviewed the manuscript, "Interorganizational Trust in Community Capacity Building Network: An Exploration of Antecedents" for the *Nonprofit and Voluntary Sector Quarterly*.
- Reviewed the manuscript, "Moving Beyond the Boundaries of Network Research in Public Administration" for *Public Administration Review*.

Other Professional Activities

- Kun Huang, 2010. Agency Strategic Orientation and Inter-agency Collaboration in a Mixed Sector Behavior Health Service Network Agency.

Dr. Mario Rivera:

Book chapters published:

With James D. Ward, coauthor, "Institutional Racism, Diversity and Public Administration," in Mitchell Rice (ed.), *Diversity and Public Administration* (New York: M.E. Sharpe, in press 2009, released February 2010). *Note:* Dr. Rice's book is widely regarded as the leading text on diversity and equity management in public administration. Successful completion of this chapter for inclusion in the second edition followed directly upon my work bearing on diversity and equity in graduate education, as Editor-in-Chief of the *Journal of Public Affairs Education (JPAE)*, wherein I produced two symposia on these subjects, and as a founding member of the diversity and equity committee of the National Association of Schools of Public Affairs and Administration.

Other publication activities

1. Associate editor, with Eleanor Glor (Editor-in-Chief), of *The Innovation Journal: The Public Sector Innovation Journal*, Volume 15, No. 1, 2010, issue on new developments in cross-sector innovation: the diffusion of e-assessment, innovation in healthcare delivery systems, workforce management innovation, forced governance innovation, and region-led innovation in African public administration. Editorial preparation completed in 2009 for final publication in January 2010.
2. Associate editor, with Eleanor Glor, of *The Innovation Journal 14* (2) 2009, issue on the topics of social invention, technological cooperation, and information asymmetry in government procurement and contracting systems.
3. Associate editor, with Eleanor Glor and Richard Beinecke (symposium editor), of *The Innovation Journal 14* (1) 2009, Special Issue on Leadership, incorporating the topics of Leadership and Wicked Problems, Collective Leadership in the Public Sector, Leadership and Organizational Strategy, Canadian Integration as Emergent Process, and Evaluation of Local Whole Systems Intervention.

4. Editor-in-Chief, Journal of Public Affairs Education (JPAE, 2005-2008); appointee to the JPAE Editors' Council (since 2008). Responsible for the transition to the new editorial team (Arizona State University) through Spring 2009.

5. Senior Associate Editor, The Innovation Journal: The Public Sector Innovation Journal/La Revue de l'innovation (of Canada, since 2008).
6. Editorial Board Member (and manuscript referee/reviewer), *Policy and Management Review*, *Problems and Perspectives in Management*, *Journal of Business and Public Affairs*, *The Innovation Journal*, and *Scholarship on the Assessment of Learning* (all active, dating to 2000).

Convention, Conference or Workshop papers presented

"Quality Criteria, Accountability and Public Responsibility in Education and Professional Practice" and "New Models and Paradigms in Administration: from the New Public Management to Collaborative Public Management," seminars led on September 2, 2009 at the Inaugural Conference of the Latin American Network in Government and Public Policy, "Management, Leadership and Public Administration" ("Gerencia, Liderazgo y Administración Pública"), Sept. 1-5,

University of New Mexico, Albuquerque. Spanish-language proceedings: "Criterios de calidad, rendición de cuentas y responsabilidad pública en la educación y en la práctica profesional," and "Nuevos modelos y paradigmas en Administración: de la Nueva Administración Pública a la Administración Pública por Colaboración," December 2009.

Other presentations of research

Contributor, with Juan de Dios Pineda, William Hume, Juan Massey, David J. Schmidly, Eliseo Torres et al., *Strategic Guidelines for the Competitive and Sustainable Development of the US-Mexico Transborder Region*, a Delphi Survey based, cross-border master plan (Juarez, Mexico, Woodrow Wilson International Center for Scholars Mexico Institute and El Colegio de La Frontera Norte, 2009).

Public Sector Service

1. *Consulting, training, and advising*
   - — *Program Evaluation Lead*, Albuquerque Area Indian Health Board and University of New Mexico Health Sciences Center, for a Native American Research Centers for Health Program of the Indian Health Service and the National Institutes of Health—six community-based participatory research projects concerned with early substance abuse education, student recruitment into the health professions, cancer screening education, and an investigation into the causes of incarceration for Native youth (begun 2006, concluded in December 2009).
   - — *Facilitator/Trainer*, in a Title-I-funded parental involvement program, Pajarito Elementary School, for the Central New Mexico Workforce Training Center (2009).

2. *National professional association appointments*
   - — *Appointee* to the Executive Council (2005-08, with transition-out service Spring 2009) of the National Association of Schools of Public Affairs and Administration (NASPAA); Council Liaison to the Standards Committee to 2009.

   - — *Member*, Diversity and Social Equity Committee, NASPAA (through 2009, since 2006).

State service

— *Member*, Workforce Development Committee, the New Mexico Information Technology and Software Association: assessment of state's technology education and workforce needs (since 2001).

Dr. Stephanie Smith:

Submitted articles for review to academic journals:

- "Factors in Health Initiative Success: Learning from Nepal's Newborn Survival Initiative" submitted for review to Social Science & Medicine in March 2010. Published in December 2010 (doi:10.1016/j.socscimed.2010.11.022)

Reviewed Manuscript Submissions for:

- *Social Science & Medicine*
- *Public Administration Review*

Paper Presentations at Professional Conferences:

- "The Policy Process & India's Maternal Mortality Crisis" at the Midwest Political Science Association Annual Conference, April 2010
- "Public Sector Governance & Social Equity: Toward a Framework of Analysis" at the American Society for Public Administration Annual Conference, April 2010

Roli Varma:

Articles:

- Varma, Roli (2009), "Exposure, Training and Environment: Women's Participation in Computing Education in the United States and India" *Journal of Women and Minority in Science and Engineering,* 15(4), 205-222.
- Varma, Rloi and Deepak Kapur (2009), "Access, Satisfaction, and Future: Undergraduate Studies at the Indian Institutes of Technology" *Higher Education,* 59(6), 703-717.
- Varma, Roli (2009), "Bridging the Digital Divide: Computing in Tribal Colleges & Universities" *Journal of Women and Minorities in Science and Engineering*, 15 (1), 39-53.
- Varma, Roli (2009, August 6-9), "Why I Chose Computer Science. Women in India" *Proceedings of the Fifteenth Americas Conference on Information Systems*, Paper 413, San Francisco, U.S.

Presentations at Conferences:

- "Why I Chose Computer Science. Women in India" (Presented with Joanne M Cohoon) *Americas Conference on Information Systems* (AMCIS), San Francisco, U.S., August 6-9, 2009.
- "Women's Participation in computing in the United States and India"*Annual Conference of European Society for Engineering Education* (SEFI), Rotterdam, The Netherlands, July 1-4, 2009.
- "Indian Immigrants in the high-Tech Sector in the United states" *The Energy and Resources Institute* (TERI), New Delhi, India, December 18, 2009.
- Attended the *CEOSE Mini-Symposium on Women of color in STEM*, Arlington, U.S. October 27-28, 2009.

Public Service:

- National Center for Women in Information Technology: Member of Advisory Board 2008-2010
- Society for Social Studies of Science: Member since 1994
- International Association of Science, Technology and Society: Member since 2003

Professional Community Service:

- Bulletin of Science, Technology & Society: Contributing Editor 2004-2009
- "Asians and information Technology" Annual Meeting of Western Social Science Association (WSSA), Albuquerque, NM: Chair April 15-18, 2009
- National Science Foundation: External Reviewer, 1 Proposal
- Hong Kong's Research Council: External Reviewer, 3 Proposals
- International Journal of Engineering Education: Journal Reviewer, 1 Paper
- Journal of women and Minorities in Science and Engineering: Journal Reviewer, 1 Paper
- Sociological Forum: Journal Reviewer, 1 Paper
- AMCIS: Conference Reviewer, 2 Papers

Social Community Service:

- Indian Association of New Mexico: Member since 2000

OUTSIDE SPONSORED RESEARCH

The School of Public Administration received the following grants to fund faculty and graduate research during this academic year.

Global Health Advocacy & Policy Project (GHAPP)
funded by The Bill and Melinda Gates Foundation to examine factors shaping the effectiveness of global health policy communities
The grant is being administered through the Principal Investigator's institution (American University).
Smith, Stephanie (Co-PI)
$1,098,461 (3 Years)
October 2009 and will run from summer 2010 through summer 2013

Research Allocation Committee
"Lessons from Precollege Mathematics Teaching in India"
Varma, Roli
University of New Mexico (Grant 10-05)
11/1/09 - 9/30/10
$4,000

STUDENT INFORMATION

Master of Public Administration Degree Conferred

Summer 2009:

Claire E. Button
Erin Farley
Ivan Lopez
Deanna R. Miglio
April L. Singleton
Margaret L. Gonzales

Fall 2009:

Jennifer L. Belyeu	Barbara Mondragon
Nicole L. Collins	Aldis M. Philipbar
Robert A. Duncan	Stacey F. Rouse
Whitney J. Green	Erica A. Serna
Michelle L. Lenz	Sean M. Tepfer
Justin T. Maier	Thomas A. Verstynen
Kristin L. Michael	

Spring 2010:

William R. Bloom	Cynthia A. Padilla
Ruth M. Dannenbaum-Zufall	Anna M. Sanchez
Judith K. Davis	Toni D. Temples
Debraha M. Driggers	Ardella L. Troy
Noel Knille	
Lawrence M. Lujan	
Myriam L. Munoz	

PI ALPHA ALPHA Inductees
2009-2010 Academic Year

Carrie K. Colquitt	Horatio P. Moreno-Campos II
Thomas R. Grover	Yasushi Morimoto
Maria S. Kniskern	Sean M. Tepfer
Michelle L. Lenz	Kim D. Thornton
Brian Martin	Jonella E. Vasquez
Kathryn M. Moore	Sheryl L. Wilkeson

Ferrel Heady Award for Outstanding Professional Papers
2009 – 2010 Academic Year

Jennifer L. Belyeu – "Intergovernmental Communication and Collaboration in the U.S. Emergency Response System"

Thomas Andrew Verstynen – "Pandemic Preparedness Policy in New Mexico"

School of Architecture + Planning
Annual Program Report
July 1, 2009 – June 30, 2010
Submitted by Geraldine Forbes Isais, Dean

- Landscape Architecture Program
- Architecture Program
- Community + Regional Planning Program
- Historic Preservation + Regionalism Graduate Certificate Program
- Town Design Graduate Certificate Program

School of Architecture & Planning
Landscape Architecture Program
Annual Report: July 1, 2009 – June 30, 2010
Submitted by: Prof. Alf Simon, Director

1a. Brief summary of any major activities, initiatives, international programs, and curriculum changes and/or significant development in academic year.

- A visioning process was held to set the goals for the next 5 years
- The LA Program has continued to develop a process for assessing and evaluating the curriculum and student outcomes. This has already resulted in changes to the curriculum.
- The LA program collaborated with the Architecture program in the Spring 2010 Foreign Studies course. An LA and an Architecture faculty took 14 students to the Netherlands to study buildings and landscapes in that country.
- Faculty began a re-design of the history-theory sequence in the LA program. The new sequence will be implemented in 2010/11.
- Students in LA 505 Studio five, and the faculty member teaching the course went on a field trip to New York to visit the site of the Emerging New York Architects competition, as well as other works of Architecture and Landscape Architecture in the city.

1b. Significant plans and recommendations for the near future.

The MLA program, started in 2000, and completed its ninth year. We have come a long way in this time, and have built a nationally competitive program. At this time we have achieved many of the goals that we set out for ourselves at the time that the program began. We are operating at an effective level, but with a second 6 year accreditation term granted to the program, we can now begin to look to the next stages of our growth and development to position ourselves as one of the best landscape architecture programs in the country.

This will not involve a major re-structuring of the program, as that does not seem to be necessary. Rather, it will involve a number of initiatives that add value and robustness to the program. This vision was articulated in the Spring 2010 semester, and some initiatives will include:

- The assessment/evaluation process will be fully implemented.
- A more integrated recruitment strategy will be discussed and implemented.
- Continue to build the full time faculty cohort to achieve a critical mass.
- Engage Alumni more fully.
- Increase interdisciplinary collaboration both within and outside the School
- Develop dual graduate degree in Architecture and Landscape Architecture.
- Develop regional disciplinary collaboration.
- Find funding to bring in visiting professors for one or two week periods.

2. **Faculty Changes**
   - Two new tenure track faculty began in fall 2009: Katya Crawford, a graduate of the MLA program at UNM, and Hyejung Chang, who received her doctorate at NC State.
   - Baker Morrow was approved as a Professor of Practice.

3. **Staff Changes**
   None

4. **List of Visiting and Part-Time Faculty, Critics, and Guest Lecturers**
   Jose Rivera – lecture
   Jerry Lovato, Engineer, AMAFCA
   Richard Zita, Landscape Architect, City of Albuquerque
   Colleen Frenz, Landscape Architect, City of Albuquerque
   Willie West, UNM Facilities
   Aaron Zahm, Landscape Architect
   Michael Ogden, Engineer with Natural Systems Inc.
   Norman Crowe, Lecturer, UNM SAAP
   Greg Miller, Lecturer, UNM SAAP
   Judith Wong, Project Mgr., COA Parks & Rec
   Amy Duckert, Landscape Architect
   Suzanne Mortier, UNM Landscape Architect
   Julia Mulder, Intern Landscape Architect
   Alfons Poblocki, Architect
   Kima Wakefield, Architect
   Lee Gamelsky AIA, Principal, Lee Gamelsky Architects
   Edith Katz, Principal, LOLA
   Joni Palmer, Landscape Architect
   Amos Arber, Landscape Designer
   Jeffrey Romanowski, Plant Engineer, Southside Water Reclamation
   Karen King, Architect
   Steve Borbas, Urban designer, Planner
   Kenneth Myers, Architectural Designer
   Elizabeth Reardon, ASLA
   Ken Romig, ASLA
   Jim Deflon, ASLA
   Nancy Brunswick, Cibola National Forest
   Susan Corban, Landscape Architect
   Alison Wait, Sites Southwest
   Judy Kowalski, ASLA, State Parks Department
   Faith Okuma, ASLA, Landscape Architect
   Patrick Gay, ASLA, Landscape Architect
   Rick Borkovetz,RLA, Landscape Architect
   Bob Oberdorfer, ASLA, Landscape Architect
   Bob Dean, Professional Liability Insurers
   Dennis Wilkinson, RLA, ASLA, CLARB President
   Andy Graham, Lafarge North America
   Gil Berry, FASLA, Landscape Architect
   Paul Lusk, Planner/Architect/Professor Emeritus

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Diane Souder, Planner NPS
Bill Dunmire, Writer/Biologist
V.B. Price, Writer, Educator
Sarah Ijadi, Planner
Jonathan Seigel, Architect
Jose Zelaya, Architect
Barry Langford, Architect

5. **Number of Degrees Awarded:**
   Summer 2009 = 0
   Fall 2009 = 1
   Spring 2010 = 15

6. **Enrollment & Admission Statistics**

   Number of Applicants Admitted
   Fall 2009 = 35
   Spring 2010 = **5**

   Number of applications
   Fall 2009 = 51
   Spring 2010 = 6

   Number of Students enrolled by degree
   Fall 2009 = 54
   Spring 2010 = 57

   Fall and Spring and Summer Student Credit Hours Generated
   Summer 2009 = 30
   Fall 2009 = 1,037
   Spring 2010 = 735
   Summer 2010 = 43

   Fall and Spring Enrollment Headcount Count (by year level)
   Fall 2009
   1st year = 13
   2nd year = 21
   3rd year = 15

   Students not on track = 5

7. **Sponsored Projects; initiated and/or completed** (Title, PI, Funding Source, Beginning/End Date)

   • **National Endowment for the Arts,** Your Town grant for Taos, New Mexico 2/10/10 – 5/17/10Taos
   • **National Parks Service**: Historic Building Surveys – Colter Hall and Victor Hall – Grand Canyon. 9/1/08-5/31/10. Alf Simon. $90,000

• **Foundation for Landscape Studies,** New York, N.Y., $7,000 image subvention grant for My Kind of American Landscape. Chris Wilson
• **National Parks Service**: Historic Building Surveys – Cultural Landscape Inventories for three historic homesteads, Phase II, El Malpais National Monument. 8//09-12/10. Baker Morrow. $25,000
• **National Parks Service**: Old Santa Fe Building National Historical Landmark. 9/1/08-5/31/10. Baker Morrow. $25,000
• **National Parks Service**: Structural Assessment and Monitoring of Cavate B002, Bandelier National Monument UNM PI: Douglas Porter. 9/1/09-2/1/11. Douglas Porter. $35,000
• **National Parks Service**: BAND Graffiti Mitigation in Frijoles Canyon Cavates UNM PI: Douglas Porter. 9/1/09-2/30/11. Douglas Porter. $25,000
• **National Parks Service**: Cable Mountain Draw Works Stabilization – Zion National Park. UNM PI: Douglas Porter. 8/30/09-5/30/11. Douglas Porter. $69,000

8. Major and/or Refereed Faculty Publications

Alf Simon
"Building to Endure: Design Lessons of Arid Lands". Co-authored, co-edited with Paul Lusk. UNM Press, 2009

Judith Phillips
Rewrote and partially illustrated the updated "Complete How to Guide to Xeriscaping" for the Albuquerque Bernalillo County Water Utility Authority, to be published July 2010 Cool Springs Press

Co-authored with Nan Sterman, Mary Irish and Joe Lampl: "Water Wise Plants for the Southwest", Cool Springs Press, 2010

Kim Sorvig
Won 2nd prize in the European Association for Architecture Education Essay Competition. This is the second time Kim has won. Part of the prize is a trip to Crete to the Center for Mediterranean Architecture and the EAAE annual conference, to pick up the actual check. The topic was climate change and architecture, and Kim proposed a land ethic for architecture. The title is "The Architect's Footprint: Toward a Critical Practice and Green History of Architecture." He hopes to expand it into a book.

Chapter in: "Building to Endure: Design Lessons of Arid Lands". Alf Simon + Paul Lusk, Co-authors/editors, UNM Press, 2009

Published 4 articles and several book reviews in Landscape Architecture magazine.

Baker Morrow
:Cabeza de Vaca: The South American Expeditions, 1540-45", has been accepted for publication by the University of New Mexico Press. It is due out in late fall. The book is a translation (84 chapters) of the great explorer's own memoirs of his term as governor of the Rio de la Plata province a few years after he explored the American Southwest. Cabeza de Vaca and his three companions became the first Europeans and African to traverse North America from Florida to the west coast of Mexico.

Katya Crawford
"The Thirty Second Landscape". Accepted for publication in Aether: The Journal of Media Geography

9. Honors, Awards, Recognition, Conferences

Faculty (University, National, or Regional)

Baker Morrow
Best of 2009 Arizona Awards
Southwest Contractor
Dilcon Community School (with Studio Southwest)
Dilcon, AZ

Engineering Excellence Awards, 2010
American Council of Engineering Companies
1-40 Widening and San Mateo Interchange (with Wilson and Company, Inc.)
Albuquerque, NM

Project of the Year, 2010
New Mexico Society of Professional Engineers
Albuquerque Chapter
Eunice Mainstreet (with Occam Consulting Engineers)
Eunice, NM

Engineering Excellence Awards, 2010
American Council of Engineering Companies
Eunice Mainstreet (with Occam Consulting Engineers)
Eunice, NM

Award of Excellence: Medical Office, 2009
NAIOP (Commercial Real Estate Developers Association)
South Valley Health Commons (with Gregory T. Hicks and Associates)
Bernalillo County, NM

Award of Excellence: Civic/Public, 2009
NAIOP (Commercial Real Estate Developers Association)
City of Albuquerque Fire Training Academy (with Studio Southwest Architects)
Albuquerque, NM

Best of 09: Healthcare, 2009
Southwest Contractor
South Valley Health Commons (with Gregory T. Hicks and Associates)
Bernalillo County, NM

Heritage Preservation Award, 2009

Cultural Properties Review Committee
The Santa Fe Plaza Cultural Landscape Report
Santa Fe, New Mexico

Hyejung Chang
"A conceptual framework for good place-making: A tripartite dialectic" paper accepted for The 41 Annual Conference of the Environmental Design Research Association (EDRA)
"Unsustainable aesthetics: Legislative intention and trends of landscape research" poster accepted for The 41 Annual Conference of the Environmental Design Research Association (EDRA)

"Spirituality as consummatory experience of place: The Continuity between Dewey's and Maslow's thought" paper accepted for The Second Symposium on Architecture, Culture and Spirituality (ACS)

Chris Wilson
Invited to speak to Urban Design Studio, School of Architecture, University of Maryland, April

Invited to speak at History Department, University of Colorado, "Kindred Cities" symposium, September

Alf Simon / John Barney
The Dialectical Region. Paper at CELA 2010 conference in Maastricht, Netherlands

Judith Phillips
Presentation and book-signing with landscape photographer Saxon Holt for The American Meadow Garden @ Bookworks

Living Green in A Dry Climate, keynote @ Western Landscape Symposium, Pueblo CO

Talk and book-signing for Water Wise Plants for the Southwest @ Bookworks
Regional Gardening Books, Creating Synergy with Place @ Mesa Library Speaker Series, Los Alamos NM

Living Green in A Dry Climate @ Statewide Master Gardeners' Conference

Synergy Between Plants and Garden Structure @ USGBC NM`s Sustainability Week`s 2010 Green Central & Green Living Lecture Series, National Hispanic Cultural Center

Dennis C. Wilkinson, RLA, ASLA
February 15,2010 / Distinguished Alumnus Award / Department of Landscape Architecture / College of Agricultural Sciences and Natural Resources / Texas Tech University

Recently appointed as the CLARB representative to the Board of Directors of LAAB. This is a three year term that will begin this fall.

Brian Verardo, ASLA, LEED AP
Recently promoted to Partner at MRWM Landscape Architects
Selected to serve on the LARE Section E (Grading and Drainage) Exam Committee for CLARB.

Major Student Honors/Recognition (National/Regional)

Wayne Grace Memorial National Student Design Competition
Katya Yushmanova

Emerging New York Architects International Design Competition
Katya Yushmanova - Third overall (13 countries – 168 entries)
Christins Guist First in student category
Maggie Ryan Honorable Mention (one of four)

Scholarship Recipients (Program and School)

Todd Frier	*Frontier/Golden Pride Scholarship Award for Leadership in the LA Program*

Patrick Sinnot	*ASLA Award for 1st year student with the highest academic standing*
Richard Davidson	*ASLA Award for 2nd year student with the highest academic standing*
Katya Yushmanova	*ASLA Award for 3rd year student with the highest academic standing*

Brian Henry, Adam Sullin	*Elizabeth Reardon Award for Excellence in Construction Technology*
Claire Heywood	*Elizabeth Reardon Award in Planting Design*

Windy Gay	*Westin Solutions Inc. Award for Excellence in Design for a 1st Year Student*
Richard Davidson	*Consensus Planning Award for Excellence in Design for a 2nd Year Student*
Jessica Dunn	*Sites Southwest Award for Excellence in Design for a 3rd Year Student*
Zachary Villegas	*Bachelor of Arts in Environment, Planning and Design: LA Track*

10. Outside professional activities of staff members.

Alf Simon
South Valley Gateway Plaza and Park. With Sites Southwest. Construction started Spring 2010

Katya Crawford
Wiseman Residence, Albuquerque, NM Fall 2009
Menicucci Residence, Albuquerque, NM Spring 2010

School of Architecture & Planning
Architecture Program
Annual Report: July 1, 2009 – June 30, 2010
Submitted by: Prof. Mark Childs, Interim Director

1a. Brief summary of any major activities, initiatives, international programs, and curriculum changes and/or significant development in academic year.

Developed articulations between old and new curriculums for all students. Initiated new curriculum fall 2010.

1b. Significant plans and recommendations for the near future.

Prepare for Accreditation in spring 2012.
Revise program assessment plan.

2. Faculty Changes (if any, as well as promotions and tenure)

Rana Abudaayyeh hired as Visiting Assistant Prof. for 2010-11
Geoff Adams appointed interim associated director
Tim Castillo appointed director of the ARTS Lab
Mark Childs appointed interim director, and promoted to full professor
Geraldine Forbes Isais appointed Dean
Roger Schluntz returns to faculty from Dean position
Kima Wakefield appointed Lecturer III

3. Staff Changes

None

4. List of Visiting and Part-Time Faculty, Critics, and Guest Lecturers

Adele Santos, Dean MIT, Marjorie Hooker Visiting Faculty

Mark Childs' Seminars
Sherri Bruegemann, Albuquerque Public Art Program
Miguel Gandert, Photographer
Chris Calott, Architect
Wade Patterson, Planner
Sean Gilligan, Developer

Kramer Woodard's Studio Fall 2009
Visiting Critics for Arch 505
Marlon Blackwell, Professor, University of Arkansas
Christopher Callot, Architect, Albuquerque
Antoine Predock, Architect, Albuquerque
Michael Young, Industrial Designer, Albuquerque
Amit Upadhye, Architect, Phoenix

Edward Fitzgerald, Architect, Albuquerque
James Horn, Architect, Santa Fe
Conrad Skinner, Architect, Santa Fe

Kramer Woodward's Studio Spring 2010
Visiting Critics for Arch 501
Jason Ward, Architect, Albuquerque
Conrad Skinner, Architect, Santa Fe
Michael Bauer, Architect, Santa Fe

Karen King's Studio
James Horn,
Chris Beccone
Gregory Brooks,
Ed Fitzgerald, AIA, Principle
Martin Stupich

Arch 598: fall 2009

Will Bruder

5. Number of Degrees Awarded: Summer, Fall, and Spring

Summer 2009

Undergraduate	3
Graduate	1
Total	**4**

Fall 2009

Undergraduate	6
Graduate	12
Total	**18**

Spring 2010

Undergraduate	42
Graduate	20
Total	**62**

Total for 2009/2010 84

6. **Enrollment & Admission Statistics**

   a. **Number of Applicants Admitted** (by degree, Fall, Spring)

   BAA = 51 for fall

   b. **Number of applications** (by degree, Fall, Spring),

   BAA = 97

   c. **Number of Students enrolled by degree** (fall, Spring)

   BAA (Undergrads) 2008/2009

	Male	Female	Total
Hispanic	30	25	55
Native American	3	6	9
Asian	0	3	3
African American	0	2	2
White	39	32	71
Preferred not to specify	8	3	11
Total	80	71	151

   BAA (Undergrads) 2009/2010

	Male	Female	Total
Hispanic	38	26	64
Native American	4	4	8
Asian	2	6	8
African American	2	2	4
White	36	28	64
Preferred not to specify	6	5	11
Total	88	71	159

   d. **Fall and Spring and Summer Student Credit Hours Generated**

   e. **Fall and Spring Enrollment Headcount Count (**by degree and year level)

7. **Sponsored Projects; initiated and/or completed** (Title, PI, Funding Source, Beginning/End Date)

   New course "Contemporary Indigenous Architecture", Eleni Bastea and Ted Jojola, UNM Teaching Allocation Grant, Fall 2010.

   New course "Greece and Turkey, 1922-Present: From Conflict to Rapprochement", Eleni Bastea, Colorado European Union Center of Excellence, 2009 -2010.

"Assembling Architecture" the 2009 Building Technology Educators' Society, Dana Gulling, Private Donations, Spring 2009 – 2010.
ReJOINders to Public Art: the Town Design Ideas Competition, Mark C. Childs, Albuquerque Community Foundation, 2009 -2010.

"Hypospace," C. Mead. Regents' Professorship, 2009-2012.

8. Major and/or Refereed Faculty Publications

Bastea, Eleni. "Athens" in Capital cities in the *Aftermath of the Empires:.Planning in Central and Southeastern Europe*, Emily Gunzburger Makas and Tanja Damljanovic Conley, editors (Routledge: London 2010): 29-44.

Bastea, Eleni and Vilma Hastaoglou. "Modernization and its discontents in post-1950s Thessalonki: Urban Change and Urban Narratives," *in Landscapes of Development: The impact of Modernization Discourses on the Physical Environment of the Eastern Medterranean*, Hashim Sarkis and Panayhota Pyla, editors. Harvvard University Press, 2010.

Childs, M. "A Spectrum of Urban Design Roles" *Journal of Urban Design*, 2010

Childs, M. "Civic Concinnity" *Journal of Urban Design*, 2009

Dent, S. "A Case Study in Advanced Practice," in *Design Intelligence*, Design Future Council 2009.

Dent, S. "Sustainable Design of Learning Environments" in *Linking Architecture and Education,* Anne Taylor, UM Press, 2009.

Mead, C. *The Architecture of Bart Prince*, revised and expanded (W.W. Norton, 2010).

9. Honors and Awards

a. Faculty Honors (University, National, or Regional)

Kramer Woodard
The Jeff Harnar Award for Contemporary Architecture, 2009, (Regional)

Christopher Mead

President's Award, Bravos Awards, Albuquerque Arts Alliance (now Creative Albuquerque)

Regents' Professorship, UNM

Major Invited Lectures:

"Making Modern Paris," Osher Learning Institute, UNM

"A Matter of Place: Modern Japanese Museums," New Mexico Museum of Art, Santa Fe

b. Major Student Honors/Recognition (National/Regional)

2009 First Place, Antonio Vigil (Tim Castillo, Faculty Sponsor) Form Z Joint Study Student Awards, 35º | 106º - an urban arena
Urban Design Category

2009 Honorable Mention, Emerging Mutation | em2 studio (Tim Castillo, Faculty Sponsor) Form Z Joint Study Student Awards, Urban Furniture
Fabrication Category

Amigo Scholarship	Erica Harcum Ethan Palmer
International Amigo Scholarship	John Zamudio
National Scholars Scholarship	Aaron Sarles
Regents Scholar	Kaime Ulibarri
Presidential Scholars	Ariana Maes Anh-Tu Nguyen Stephanie Schneider Grayson Vogel

AIA 3rd Annual National Student Design Competition, 2009 Mark Paz, 1st place winner

c. Scholarship Recipients (Program and School)

Matthew Smilovits	$1,000	Mark Paz
Keller Travel for Graduates	$ 500	Mark Paz
Marion & Kevin Ryan	$1,000	Kevin Maynard
AIA Southern Chapter	$ 500	Shane Dean
AIA Santa Fe Bradley Kidder	$1,000	Benjamin Taylor Pardue
AIA Santa Fe	$1,000	Charles Giannini
AIA Albuquerque-Undergrad	$ 500	Valerie Nino
AIA Albuquerque-Grad	$ 500	Drew Fisher
AIA Albuquerque-Grad	$ 500	Owen Kramme
Don Schlegel	$2,000	Ramiro Guardiola
Charles & Katherine Brown	$1,250	Luis Marquez
CSI-Albuquerque	$ 500	John White
Maureen Walter	$1,000	Jessica Roybal
NCA Architects	$ 500	Chad Harris

Westwork Architects	$ 750	James Armand
Antoine Predock	$2,000	Frank Romero
Frontier Golden Pride	$2,000	Neil Werbelow
Kosanovich 1st place	$3,000	Matt Byers
Kosanovich 2nd place	$1,750	Christopher Price
New Mexico Scholars Award (3%)	$3,111.12	Hillary Noll
	$3,111.12	Elias Issacson
	$3,111.12	Elena Agustin
	$3,111.12	Ubaldo Munoz
	$3,111.12	Brandon Rael
	$3,111.10	Elizabeth Suina
	$3,111.10	Bricia Hermosilla
	$1,865.60	John Van Loh
	$1,865.60	John White

School of Architecture & Planning
Community & Regional Planning Program
Annual Report: July 1, 2009 – June 30, 2010
Submitted by: Assoc. Prof. Teresa Córdova, Director

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1. Significant developments during 2009-2010 academic year

The CRP Program offered two Fall 2009 Intersession classes, namely CRP 165, Introduction to Community and Regional Planning, and CRP 181, Introduction to Environmental Problems, a core UNM class, as in the previous year. Offering these courses increases our offerings to undergraduate students while building interest in our Programs. These courses were offered between Jan. 4 and Jan. 15, 2010 and had enrollments of 61 and 102 respectively.

Tim Imeokparia, in collaboration with Moises Gonzales (Adjunct Faculty), offered a Summer 2010 Planning Studio focused on design concepts for a bus rapid transit corridor in Albuquerque. The studio travelled to both Denver and Phoenix to study rapid transit facilities in those cities. At the end of the eight-week summer session students, both graduate and undergraduate, presented their design concepts to MRCOG representatives who contracted the studio to produce the designs.

Tim Imeokparia, in collaboration with Moises Gonzales (Adjunct Faculty), worked with students in their Fall 2009 Advanced Planning Studio class on design concepts for the revitalization of Albuquerque's Southeast Heights Neighborhood, the newly named International District.

CRP faculty members, Teresa Cordova, Ric Richardson, and Bill Fleming, undertook the development of online sections of three established program courses, CRP 165, CRP 265, and CRP 181, respectively. UNM Extended University paid for the course development, and all three online sections are on the Fall 2010 schedule. Part of the reason to offer these sections is to reach undergraduate students in outlying areas of New Mexico, introducing them to beginning planning courses.

1a. ***Brief summary of any major activities, initiatives, international programs, and curriculum changes and/or significant development in academic year.***

The CRP Program effected changes in the degree requirements for the Bachelor of Arts in Environmental Planning and Design Program, including adding three brand new courses to the curriculum, namely CRP 330, Introduction to Urban Design, CRP 420, Urban Planning Workshop, and CRP 437/537, Urban Systems. These curriculum changes will add to the robustness of the BAEPD Program, as well as streamline the degree requirements. All changes, including the refining of the BAEPD Program title, were approved by the UNM Registrar in Spring 2010 and appear in the current catalog.

As part of the Indigenous Planning Exchange grant, a project of co-PIs Ted Jojola of the CRP Program and Susan Tiano of the Sociology Department and Latin American & Iberian Institute, two Canadian student participants, Jacob Edenloff, and Pawan Gill enrolled in CRP classes during the Spring 2010 semester. Both completed CRP coursework as part of their graduate planning degree requirements at the University of Manitoba, Canada.

1b. ***Significant plans and recommendations for the near future.***
Build the resources of the BAEPD Program to meet the growing popularity of the major.

Rebuild the Natural Resources Program after the retirement of David Henkel.

Complete two successful searches for the replacement of the Natural Resources faculty position and to fill the new CRP/LA joint position.

2. Faculty Changes

David Henkel, Professor in the Program, retired as of June 1, 2010. At the May 2010 faculty meeting CRP faculty unanimously voted yes to confer the title of Professor Emeritus upon David.

Ted Jojola fulfilled a Visiting Distinguished Professorship in the ASU School of Planning during the Spring 2010 semester.

3. Staff Changes

Moises Gonzales was granted a Letter of Academic Title changing his appointment status to Research Assistant Professor.

4. List of Visiting and Part-Time Faculty, Critics, and Guest Lecturers

CRP Temp Part-Time Faculty:

Fall 2009
Dory Wegrzyn – CRP 462/562
Moises Gonzales (& Intersession) – CRP 486/586, CRP 521, CRP 181
Anita Miller – CRP 545

Spring 2010
Moises Gonzales – CRP 376/576
Sharon Hausam – CRP 473/573
Enrico Gradi – CRP 480
Charlie Deans – CRP 511

Summer 2010
Porus Olpadwala – CRP 536
Moises Gonzales – CRP 483/583, CRP 470 (Planning Studio)
Anita Miller guest lectured in Ric Richardson's Spring 2010 class

Guest Lecturers in classes of Bill Fleming's during the 2009-2010 academic year were:

Michael Soule	Les McFadden
William Zeedyk	Jerry Holechek
Ric Richardson	Norion Ubechel
Eleni Bastea	David Groenfeldt
Marcos Roybal	

Guest lecturers of Ted Jojola's in Fall 2009 semester were:
CRP 473/573: Planning on Native American Lands:
Peter Kunstadter, Professor of Medical Anthropology, San Francisco State University.
Professor Beverly Singer (Santa Clara Pueblo), Dept. of Anthropology & Native American Studies, UNM
Professor Chun-Chieh Chi, Professor and Chair of the Institute of Ethnic Relations of the National Dong-Kwa University
Pueblo author & historian, **Joe Sando** (Jemez)
Brian Vallo (Acoma), former Director and Manager Haak'u Museum and Visitor's Center
Tassie Parker (Seneca), Professor of Medical Sociology, UNM, RWJ Senior Fellow.
Yolanda Terán (Quecha), PhD candidate, UNM College of Education.

Guest lecturers of Claudia Isaac's in Fall 2009 semester were:
CRP 570: Community Based Practice:
Tomas Garduno (SWOP)
Javier Benavidez (Martin Heinrich's office)
Claudia Medina (Enlace Comunitario)
Kate Hildebrand (Consensus Builders)

5. ***Number of Degrees Awarded***

MCRP: Summer 2009 – 2; Fall 2009 – 3; Spring 2010 – 2
BAEPD: Summer 2009 – 0; Fall 2009 – 7; Spring 2010 – 4

6. ***Enrollment & Admission Statistics***

MCRP
Fall 2009: Applied – 59; Offered Admission – 41; Accepted Admission – 28; total graduate student enrollment – 90

Spring 2010: Applied – 3; Offered Admission – 3; Accepted Admission – 3; total graduate student enrollment – 83

BAEPD
Fall 2009: Applied – 7; Admitted – 7; total undergraduate enrollment – 37 (junior/senior), 16 (freshman/sophomore)

Spring 2010: Applied – 15; Admitted – 13; total undergraduate enrollment – 39 (juniors/seniors), 18 (freshmen/sophomores)

CRP Student Credit Hours Generated

Fall 2009:	1,163
Fall Intersession:	489
Spring 2010:	1,346
Summer 2010:	152

7. ***Sponsored Projects; initiated and/or completed*** *(Title, PI, Funding Source, Beginning/End Date)*

Awarded:
Proposal Awarded from NM ESPCoR to CRP for Year II at $38,234.
Title: "Socioeconomics and Acequia Systems," a component of New Mexico EPSCoR RII3, "Climate Change Impacts on New Mexico's Mountain Sources of Water."
PI: Alexandar Fernald (NMSU), Component Team Leader; **Jose Rivera** (UNM), **William Fleming** (UNM), and Steve Guldan (NMSU), co-principal investigators.
Funding Source: National Science Foundation submitted by and awarded to New Mexico EPSCoR Director,William K. Michener (UNM).
Start and End Date: September 2008 for five year project ending August 2013 to support three CRP graduate students and five BAEPD undergraduate students under supervision of Professors Fleming and Rivera.

Awarded:
The Indigenous Planning Exchange Program (IPEX) **Ted Jojola** is co-PI with Susan Tiano of the Sociology Dept. and Latin American Iberian Institute. 2009-2010 was the third year of the project. Funding source is US Dept. of Education through sub-award from ASU. Third year award amount is $33,362.00.

Awarded:
Living Roof on Pearl Hall, $15,000. McCune Foundation. **Bill Fleming** is Principal Investigator; dates of project are 2007-2009.

8. Major and/or Refereed Faculty Publications

José Rivera:

- Chapter Submitted: "The Historical Role of Acequias and Agriculture in New Mexico," Chapter IX of *New Mexico Water Policy and Management Issues: Science, Modeling, Institutions and the Future,* David S. Brookshire, Hoshin Gupta, and Olen Paul Matthews, eds., book proposal accepted for publication in the Resources for the Future Book Series, Issues in Water Resources Policy.

- Book Manuscript Submitted: *La Sociedad: Guardians of Hispanic Culture on the Rio Grande*, accepted for publication by the University of New Mexico Press, forthcoming November 2010.

Bill Fleming:

- Aldo Leopold: Albuquerque's First Environmental Planner. 2010 Western Planner (in press; with M. Schmader)

- A watershed conservation success story in Nepal: land use changes over 30 years. 2009. Waterlines 28(1):29-46 (with J.P. Fleming)

Ted Jojola:
"Contemporary Indigenous Architecture," chapter in *Praeger Perspectives* Series; American Indians and American Popular Culture; forthcoming

Claudia Isaac:

- Claudia Isaac, Moises Gonzales, and Megan McKenna. "Sector Planning, Land Use and Health Promotion in the International District: A Workbook for Community Advocates", For the Albuquerque Southeast Heights Health Coalition, February 2010.

- Claudia Isaac, Moises Gonzales, and Megan McKenna. "El Proceso de hacer los Planes Sectoriales, Uso de la Tierra, y la Promoción de Salud en el Distrito Internacional: Un Cuaderno para los Promotores Comunitarios", For the Albuquerque Southeast Heights Health Coalition, February 2010.

- Moises Gonzalez, Claudia Isaac, and Megan McKenna. "Land Use and Health Board Games": "Sector Planning Jeopardy Game", "Assets, Blight and Opportunity Game" with Moises Gonzalez and Megan McKenna. Produced for Southeast Heights Health Coalition for use in its community mobilization efforts for the Southeast Heights Sector Planning Process, February 2010.

Teresa Córdova
"Fields of Knowledge for Democracy, Justice and Community: A Latina Quest" (book chapter) in Vazquez, Francisco, *Latino/a Thought: Culture, Politics and Society, Second Edition.* New York: Rowman and Littlefield, Publishers, 2009, pp. 467-490.

9. Honors and Awards

a. Faculty Honors *(University, National, or Regional)*

Claudia Isaac

- Elected Chair of Faculty Senate Graduate and Professional Committee (2009-2010 and 2010-2011)
- Invited to serve on Young Non-Profit Professionals Network Advisory Board Member, August 2010
- Invited to join New Mexico Center on Law and Poverty Board, March 2010
- Elected Chair of Albuquerque Affordable Housing Coalition May 2009
- Elected Secretary of Sawmill Community Land Trust Board June 2010
- Elected Chair of Supportive Housing Coalition Board Member, President June 2010

Teresa Córdova

- Sarah Belle Brown Community Service Award for Faculty, Office of the President, University of New Mexico, Recipient, 2009
- Wetmore Distinguished Practitioner Lecture, Department of Urban and Regional Planning, University of Illinois, October 2008 and Loredo Taft Lectureship on Art, College of Fine and Applied Arts, University of Illinois, October 2008
- Certification of Appreciation, South Valley Economic Development Center, May 20, 2008

b. ***Major Student Honors/Recognition*** *(National/Regional)*

c. ***Scholarship Recipients*** *(Program and School)*

Frontier Scholarship – Dennis Fulfer
Charna Staten Scholarship – Megan McKenna
Rankin Scholarship – Norion Ubechel
NM 3% Award Recipients: Mona Angel, Patricia Roybal, Valerie Hermanson, Ramoncita Martinez, Steve Miller

Other student scholarship recipients:
Yasmin Khan
Marcos Roybal
Sandeep Sabu
Kendall McCall
Carlos Gonzales

10. Outside professional activities of faculty

Ted Jojola

- Indian Education in New Mexico, 2025, Principal Coordinator, research report on the status of best practices in Indian education for 7 statewide school districts and 2 charter schools, NM Public Education Division, Department of Indian Education, submitted 6/30/2010.

- 2009 (ongoing) Cultural Consultant & Design Facilitator, Native American Students Services Building, Northern Arizona University, Studio Ma Architects, Phoenix, AZ.

- 2009 Tribal Planning Summer Student Internship Program & Planning Information Handbook, New Mexico Indian Affairs Department.

Claudia Isaac

- Participatory Qualitative Research training, New Mexico Farmer's Marketing Association – Healthy Foods Value Chain Initiative, September 2009 – January 2010 Qualitative methods consultation, facilitation of collaborative planning by project partners, and training of community based researchers for "Community Foods Action Research Project", a USDA-funded project designed to analyse challenges and opportunities for creating a nutritious and local food "value chain" for low and moderate income residents of Santa Fe and Española, New Mexico.
- Methodological consultant , CONTIGO RESEARCH, STRATEGY AND POLICY:– National Council of La Raza Escalera Project Evaluation, consultation on qualitative research methods, research protocol and evaluation strategies for an evaluation of the National Council of La Raza's Escalera program. Completed 11/2009
- Saint Joseph's Community Health Services, design and delivery of a curriculum around "Sector Planning For Healthy Communities"; conduct workshops in English and Spanish based on curriculum, and provide technical assistance and training of

trainers workshop for Collaborative members in anticipation of their participation in the International District Sector Plan process.

- American Friends Service Committee (3 year project, beginning October 2009), Ongoing external monitoring and evaluation of AFSC Albuquerque's USDA-funded "Community Based Food Security for Albuquerque Public Schools and the South Valley" project, designed to assist South Valley farmers technological capacity to extend their growing season in order to supply the Albuquerque Public Schools' farm to school program year-round.
- Project Capacity Consultant, Robert Wood Johnson Foundation – Strengthening What Works Project – Technical assistance on project evaluation to Enlace Comunitario's Intimate Partner Violence Prevention Program. Involves consultation, technical assistance and evaluation capacity building in service of a 3 year evaluation of Enlace Comunitario's Youth Leaders project and Adult Promotoras project designed to increase community leadership and capacity to prevent intimate partner violence.

11. Other Data/Information

Claudia Isaac

"Faculty Development for Community Engaged Scholarship", with Matthew Borrego. UNM Health Sciences Center, CBPR Seminar Series, November 18, 2009.

"Gentrification and Race in Downtown Albuquerque", Presented at Albuquerque White History Week, January 9, 2008 (at Out Ch'Yonda) and April 19, 2009 (at 1Kind Theatre).

Invited Panel Presentation

"CBPR and Health Impact Assessment in Community Based Practice" Community Based Participatory Research Series, UNM College of Medicine, April 14, 2010.

National Professional Service

Editorial Board Member, Journal of Planning Education and Research February 2003 to present

ACSP People of Color Interest Group, (Member and Mentorship Committee member June 2007 to present, Junior faculty mentor September 2009 to present)

Social Science Panel Member, Ford Foundation Minority Fellowship Programs Review Panel Meeting, 2004, 2005, 2006, 2008, 2009, 2010

ACSP Faculty Women's Interest Group, Nominating Committee member July 2010 to present, Secretary, November 1994 to July 1996.

Teresa Córdova

Invited Academic Colloquia

"Practice, Politics and Planning," Wetmore Distinguished Practitioner Lecture, Department of Urban and Regional Planning University of Illinois, October 2008 and Loredo Taft Lecture on Art, College of Fine and Applied Arts, University of Illinois, October 2008

"Planning, Practice and Politics: Strategic Engagement in Community Development," Center for Latino Policy Research, University of California, Berkeley, October 16, 2008

Academic Conference Presentations (Partial List)

Chicana Plenary, *25 Years of Chicana Studies,* 36th Annual Conference, National Association for Chicana and Chicano Studies, *El Movimiento Sigue...40 Years of Scholarship and Community Activism,* New Brunswick, New Jersey, April 8-12, 2009

"Conscious and Strategic Research: The Work of the Resource Center for Raza Planning," *Siglo XXI: The State of Latino Studies*, Third Biennial Conference of the Inter-University Program for Latino Research (IUPLR), September 24-26, 2009

"Challenges of Elected Office and Community Development," Invited Panelist, *The Endurance of Community Organizing: Contemporary Challenges and Opportunities II,* Urban Affairs Association, 39th Annual Meeting, *Contesting and Sustaining the City: Neighborhood, Region or World?* Chicago, Illinois, March 4-7, 2009

Featured Speaker, Keynote or Plenary Addresses

Herstory Panel, 25th Annual Empowering Women of Color Conference, *Intergenerational Wisdom: Celebrating Our Past, Present, and Future,* University of California, Berkeley, March 13, 2010

Panelist, *New Mexico in Focus, The Line*, KNME TV, New Mexico, Feb. – Nov. 2009

Featured Presenter, Webinar, *Engaging Your Elected Officials in the Fair Health Movement,* hosted by the Joint Center for Political and Economic Studies, Health Policy Institute (HPI) and *Place Matters Initiative,* April 15, 2009

Featured speaker, "Latinas/os and the Economy/Financial Crisis," with Richard Santos, *Latina/o Faculty Brown Bag*, Zimmerman Library, February 24, 2009

Panelist and Moderator, *American Cities of the Southwest: Questions of Culture and Space*, Loeb Fellowship 11th Annual Fall Field Trip, University of New Mexico, October 10, 2008

Speaker and\or Participant in Policy Meetings and Conferences (By Invitation)

Participant and Speaker, *Local Policies for Transforming Communities*, Praxis Project, Belmont Conference Center, Baltimore, Md., January 30-February 1, 2009

Attendee, *The Color of Wealth Policy Summit,* Insight: Center for Community Economic Development, Meetings with Members of The Administration and The U.S. Congress, Washington, D.C., March 23-24, 2009.

Featured in Publications

500 years of Chicana Women's History, Anos de la Mujer Chicana, Bilingual Edition, Elizabeth "Betita" Martinez. New Brunswick, New Jersey, and London: Rutgers University Press, 2008, p. 162

Presentations to UNM Campus\Student Groups - Non Colloquia (by invitation)

Speaker, Pechakucha, *Visualizing Chicano Communities,* Resource Center for Raza Planning, January 22, 2010

TV Presentations

KNME, Panelist, New Mexico in Focus, February 2009- November 2009, and occasions in 2010

Academic Boards and Committees:

National Advisory Board, Chicana/Latina Studies: the Journal of Mujeres Activas en Letras y Cambio Social (MALCS), Current

Professional Boards and Committees:

Member, Technical Standards Committee, Albuquerque Metropolitan Arroyo Flood Control Authority, 2010 -
President, Board of Directors, Praxis Project, (National Organization based in D.C.), August 2010 –
Board of Directors, Praxis Project, (National Organization based in D.C.), 2008-2010

School of Architecture and Planning
Executive Committee (2008-present)
Search Committee, Dean, 2009-2010

University Service - Committees

President's Strategic Advisory Team, 2010 – Present
Southwest Hispanic Research Institute, Faculty Affiliate, 1991-present
Search Committee, Dean, School of Architecture and Planning 2009-2010
Hispanic/Latino Health Advisory Committee to Dr. Paul Roth, Vice President and Head of UNM Hospital
Search Committee, President of the University, 2007-2008

School of Architecture & Planning
Historic Preservation & Regionalism Graduate Certificate Program
Annual Report: July 1, 2009 – June 30, 2010
Submitted by: Prof. Chris Wilson, Director

1a. Brief summary of any major activities.

Enrollments in the program remained strong at 25-26. In addition to offering the two required courses and electives during the Fall and Spring semesters, we successfully offered our sixth annual Southwest Summer Institute for Preservation and Regionalism in June, including three elective courses. We continued to develop our program for assessing student learning outcomes (SLOs).

We held our first program retreat attended by fifteen faculty, alumni, current students and community supporters. The retreat assessed the past accomplishments and limitations, and projected a five year vision for the program.

The HPR program continues as a member in the National Council of Preservation Educators, the closest to an accreting body for preservation programs. We hosted the opening reception for the annual New Mexico Heritage Preservation Alliance conference, this year in Albuquerque, and program faculty and students attended the conference and presented two program sessions.

We submitted the final revised manuscript of *The Plazas of New Mexico*, a research project of the HPR program, and it is currently in the design phase, with projected publication next year by Trinity University Press, San Antonio.

1b. Significant plans and recommendations for the near future. Continue development of

SLO program, and develop a seventh annual Southwest Summer Institute for Preservation and Regionalism in June, including three elective courses.

12. Faculty Changes none

3. Staff Changes *none*

4. List of Visiting and Part-Time Faculty, Critics, and Guest Lecturers:

a. Part Time Faculty: Arnold Valdez (2 courses), Chris Calott, Jan Biella, Norman Crowe, Francisco Uviña, Chester Liebs

b. Guest Lecturers:
Yukio Nishimura, Professor, Dept. of Urban Engineering, Tokyo University, Japan
Baker Morrow, Landscape Architect, Albuquerque
Bill Dodge, Anthropologist, Van Citters Historic Preservation, Albuquerque
Jonathan Poston, Southwest Office, National Trust for Historic Preservation (NTHP), Ft. Worth
Alexander Hays, Public Lands Counsel, Law Department, NTHP, Denver

Elizabeth Merritt, Deputy General Counsel, NTHP, Washington DC
John Fowler, Exec. Director, Advisory Council for Historic Preservation, Washington DC
Alan Downer, Navajo Nation Tribal Historic Preservation Officer
Theresa Pasqual, Director, Acoma Historic Preservation Office
Sarah Schlanger, Associate State Archaeologist, New Mexico BLM
Charles M. Haecker, NPS, National Historic Landmark program,
Ed Boles, Historic Preservation Planner, City of Albuquerque
Zachary Shandler, NM Assistant Attorney General
Harvey Kaplan, Tax Credit Program, NM Historic Preservation Division (HPD)
Norman B. Nelson, Site Watch Coordinator/Archaeological Reviewer, HPD
Jim Walker, Southwest Regional Director, The Archaeological Conservancy
Jake Barrow, Director, Cornerstones Community Partnerships, Santa Fe
Anita Miller, Attorney, Albuquerque
Michael Moquin, Historic Preservationist, Albuquerque
Ed Paschic, Building Contractor, Corrales
Edith Cherry, Architect, Albuquerque
Jim Long, CEO Heritage Hotels, Albuquerque

5. **Number of Graduate Certificates Awarded:** Summer, 1; Fall, 4; Spring, 3.

6. **Enrollment & Admission Statistics**
a. Number of Applicants Admitted Fall, 8 (1 declined); Spring, 4.
b. Number of applications Fall, 9; Spring, 5.
c. Number of Students enrolled in the Certificate: Fall, 26; Spring, 25.
d. Credit Hours Generated: (The HPR program does not have its own course prefix, and offers its courses under degree granting programs. These credit hours are for courses initiated by the HPR program.)

Fall, 135; Spring, 126; Summer, 93.

7. Sponsored Projects; initiated and/or completed

Graffiti Mitigation in the Frijoles Canyon Cavates, Bandelier National Monument (#35207). Douglas Porter, PI. National Park Service, Department of Interior. 9/1/09-12/31/10. Field work was successfully completed in June 2010 and final report is in preparation.

Structural Assessment and Monitoring of Cavate B002, Bandelier National Monument (#35209). Douglas Porter, PI. National Park Service, Department of Interior. 9/1/09-2/1/11. This grant was modified to include additional lab work. Field/lab work was successfully completed summer 2010 and final report is in preparation.

Cable Mountain Draw Works Stabilization, Zion National Park (#35136). Douglas Porter, PI. National Park Service, Department of Interior. 9/1/09-12/31/11. Field work was successfully completed in September 2010 and final report is in preparation.

8. Major and/or Refereed Faculty Publications None.

9. Honors and Awards

a. Faculty Honors None.

b. Major Student Honors/Recognition None.

c. Scholarship Recipients

NM Heritage Scholarships

Edwar Calderon
Vanessa Daniel
Allison Hagerman
Elaine Stevens
Heather Ailes
Numair Latif
Erin Ortigoza

10. Outside professional activities of staff members. None.

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School of Architecture & Planning
Town Design Graduate Certificate Program
Annual Report: July 1, 2009 – June 30, 2010
Submitted by: Prof. Mark Childs, Director

1a. Brief summary of any major activities, initiatives, international programs, and curriculum changes and/or significant development in academic year.

Ran a photo competition of "beautiful" infrastructure and displayed the entries.

1b. Significant plans and recommendations for the near future.

Review curriculum.

13. Faculty Changes

None

14. Staff Changes

None

15. List of Visiting and Part-Time Faculty, Critics, and Guest Lecturers

Listed under architecture program

16. Number of Degrees Awarded: Summer, Fall, and Spring: 2

6. Enrollment & Admission Statistics

Number of Applicants Admitted (by degree, Fall, Spring): 2

Number of applications (by degree, Fall, Spring): 2

Number of Students enrolled by degree (fall, Spring): 2

Fall and Spring and Summer Student Credit Hours Generated

Reported by programs

Fall and Spring Enrollment Headcount Count (by degree and year level)

2

17. **Sponsored Projects; initiated and/or completed**

Listed under degree programs

18. **Major and/or Refereed Faculty Publications**

    Listed under degree programs

19. **Honors and Awards**
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    Listed under degree programs

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UNM COLLEGE *of* ARTS & SCIENCES

ANNUAL REPORT 2009/2010

Felipe Gonzales, Senior Associate Dean

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July 1, 2009– June 30, 2010

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I. Overview

The College of Arts and Sciences is both the oldest (established in 1898) and the largest College at the University of New Mexico. Its goal is to provide the classic liberal arts education to its students in academic departments disseminated across the humanities, the social sciences, the physical sciences and the mathematical sciences. The mission of the College is to guide students as they transform their own lives and prepare to make their particular contributions in the world at large. In its impressive scope, the College of Arts & Sciences offers a wide-ranging knowledge-base at the same time that it provides, through its majors, the foundation for many students to enter into more specialized and advanced training. Without diminishing the valuable offerings in the other colleges and schools, it is clear that the contributions of the College of Arts & Sciences drive a great deal of what is constitutes excellence at UNM in the areas of teaching, research, and academic service.

The faculty members in the College of Arts & Sciences have been trained in some of the best research institutions in the country and the world. They generate new knowledge in their respective disciplines and often in cross-disciplinary perspective. They disseminate the fruits of their research in top-rated journals, in specialized outlets and in books produced by premier academic publishers. Their training of students results in actively engaged junior scholars and usefully literate citizens. College faculty members well recognize the value of educating students from diverse cultural, international and socio-economic backgrounds.

The College of Arts & Sciences consists of 20 academic departments (7 humanities, 5 sciences & mathematics, 8 social sciences) and 9 interdisciplinary study

programs with their own curricula. They offer 103 degree programs: 56 undergraduate majors, 26 masters programs, 21 doctoral programs, and 10 interdisciplinary majors. Three departments (Psychology, Communications & Journalism and Speech & Hearing) operate programs that are accredited by national associations. There are also 10 research centers and institutes and 2 museums (Table 1 lists all College centers, institutes, and museums and their chairs or directors). In 2009-10 there were 376 tenure-stream faculty members and 52 lecturers across most of the departments in the College (see Table 11). The College supported 303 administrative and research staff members. There were also approximately 50 research professors and post-doctoral appointments, 215 part-time instructors, 7 visiting professors, and close to 858 teaching and graduate assistants.

In the core areas of teaching, scholarship and service, the College of Arts and Sciences extended in 2009-2010 its tradition of excellence and outstanding productivity. Once again, the College taught more students than any other college or school in the University, generating a total of 370,986 student credit hours (SCH) during 2009-2010, an increase of 3% over 2008-2009. Although 20 departments and 9 study programs are in the College, six of them produce nearly half the total student credit hours. Mathematics and Statistics teaches the most, generating 38,390 SCH, followed by English (36,150), Psychology (34,036), Biology (26,716), Communication and Journalism (21,854), and Sociology (21,218). The College continued to serve students who were not only majoring in a degree program within the College, as approximately 75% of the courses in the University Core Curriculum were also covered by College departments.

College faculty members continued to excel in their classroom instruction and the mentoring of students. At the level of University teaching awards, Assistant

Professors Marissa Greenberg (Department of English) and Maria Lane (Department of Geography) were the recipients of the 2009-10 Outstanding New Teachers of the Year Award given by the Provost's Office of Support for Effective Teaching (OSET). Research Associate Professor Janis Anderson (Department of Psychology) won the Outstanding Online Teachers of the Year Award, also given by OSET. The College selected 3 Regents Lecturers, reserved for junior associate professors: Dr. Dinesh Loomba (Department of Physics & Astronomy), Dr. Osbjorn Pearson (Department of Anthropology), and Dr. William Pockman (Department of Biology). The College recognized two faculty members-- Timothy Graham (History) and Derek Hamilton (Psychology)-- as well as two graduate instructors-- Iliana Rucker (Communication & Journalism) and Leah Sneider (English)-- for its own Award for Teaching Excellence.

For the third consecutive year, the College acted to mentor new faculty in the College. Together with the Associate Dean for Faculty, the Dean hosted two meetings for faculty members who had been hired that year. One consisted of an informal luncheon and social at the beginning of the fall semester. A later meeting was geared more specifically to issues that the new faculty sought to bring to the Dean's attention regarding their teaching, research and service activities, as well as matters related to mid-probationary and tenure/promotion evaluations.

UNM is a Carnegie Very High Performing Research University within the United States. Accordingly, the faculty members in the College augmented their already outstanding records of publishing academic articles, books, monographs, and research reports, while the new assistant professors launched major research programs in keeping with their contractual obligations. In addition, some faculty members engaged their

creative energies in the production of performance art and creative writing. Finally, some of the researchers in the College's centers and institutes generated considerable public service contracts to various local, state, tribal and federal agencies. As section VI of this report details, faculty members in the College generated almost $43 million in new sponsored research grants, renewed research grants, and contracts, some $3 million more than the year before. The sources for these monies varied across the range of national agencies, private foundations, and various governmental bodies. The faculty members in each of the physical and mathematical science departments led the way in generating external resources for their research projects. Once again, the Long Term Ecological Research program, based in the Biology Department, was the greatest per capita generator of research monies in the College. At that, grant work in both the Social Science and Humanities departments resulted in a marked increase of sponsored research. A number of the specialized centers and institutes were also leaders in the state for bringing direct and indirect research support to the University. Faculty members and their student research assistants, who were significantly supported by faculty members' successful grant activity, disseminated the fruits of their research through a number of outlets besides publications, including national and international symposia, professional associations, and as invited guests to other high-achieving research institutions. Federal grant programs are requiring academic scientists to consider incorporating minority group students in their research activities, and faculty members in the College continued, as they had in the past, their activities in this area in such projects as the Bridge to the Doctorate, Initiative to Maximize Student Diversity, Minority Access to Research Careers Program, and Post-baccalaureate Research Education Program. Many of the

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hundreds of research grants awarded to College faculty members support research laboratories, equipment and training facilities for graduate students.

As we have reported in previous years, public service has always formed a major commitment among the College's departments and other sub-units. Faculty members in the Departments of Mathematics & Statistics, English, Biology, Earth and Planetary Sciences, and Physics & Astronomy continued with their efforts to enhance the pipelines from K-12 to higher education through such programs as teacher education, student competitions, and student visitor's events. The College museums carried out their standard, high-quality, programming. The Maxwell Museum and the Museum of Southwestern Biology maintained their permanent exhibits and organized special activities, such as archaeological tours for public school students and special adult groups. The Institute for Medieval Studies put on its popular annual conference, attracting, as usual, substantial community, as well as academic, audiences. The Sustainability Studies Program focused on local food production by putting on farmer's fairs for the community at large. The Peace Studies Program held its annual Peace Studies Fair, involving extensive participation by local community service organizations. Clinical services to students and the general public continued to be provided in the Departments of Psychology and Speech & Hearing, as well as the Agora Crisis Center (suicide prevention).

Some of the major goals that were established in 2008-2009 went on as important points of activity in the College in 2009-10. Improving student success was very much tied to the budgetary pressures being imposed on the University by a declining state economy. Our work to increase faculty diversity met with considerable success as we

hired several minority faculty members including Hispanics, Native Americans, and Asian Americans. The College saw another successful drive to generate private donations. Our efforts at building leadership within the College as many more chairs and faculty participated in many of the College decision-making processes. Of course, the serious budgetary issues that impacted the College, as they did the rest of the University and higher education in the state, were cause for much concentrated planning in the Dean's office and in the departments, as described in Section III below.

II. Administration

Dr. Brenda J. Claiborne completed the third year of her regular appointment as Dean of the College. Dr. Felipe Gonzales continued as associate dean for faculty and senior associate dean. Dr. Mark Ondrias became the interim Associate Dean for Curriculum and Instruction in July 2009 following the resignation of Dr. Sherman Wilcox from that position in May 2009. Dr. Janet Cramer, associate professor of Communications & Journalism, was hired as a special assistant to the Dean in August 2009. Dr. Philip Ganderton, who had been the interim Associate Dean for Research, was given the regular appointment of Associate Dean for Research in July 2009. He remained at .5 FTE as he continued to serve as the Director of the undergraduate portion of the Combined BA/MD Program. Dr. Charles Paine continued in his role as a special assistant to the dean for outcomes assessment.

Among the office staff, Brenda Romero resigned as the dean's program planning manager in August 2009 to take a position outside the University. Sharon Winston was hired to replace Romero in November 2009. She resigned in May 2010, also to take a better paying position in the private sector. Barbara Busch, the College financial officer,

left the College in September 2009 to accept a position in the College of Education. David Naquin was hired to replace Busch in January 2009 and he departed at the end of his probationary period, April 2010. Karen Simmermacher resigned as an accountant III in November 2009 to accept a position elsewhere at UNM. Don Skaar was hired as her replacement in January 2010, departing at the end of his probationary period, March 2010. Christine Smith was hired to fill the accountant III position in May 2010. Tracy Wenzl was hired as an administrative coordinator in August 2009, and she resigned in May 2010 to become a department administrator at a higher salary. Eva Tipton-Ormand resigned as a program coordinator in April 2010 to accept a position in Clinical Psychiatry, a job that proved a better match for her career interests. Trevor Bilmes, senior fiscal services technician, resigned in May 2010 to become an accountant in one of the College departments.

Associate Dean Gonzales oversaw the College's Academic Deadline Schedule. The duties in relation to the Schedule included the processing and approving of faculty applications for sabbatical leaves and for Leaves Without Pay; recruiting as needed faculty members to fill positions on both the Senior Promotion Committee and the Junior Mid Probationary and Tenure-Promotion Committee (see Table 2), as well as advising these Committees on their responsibilities in evaluating the dossiers; reviewing each of the mid-probationary, tenure/promotion and promotion files and making a recommendation on each one to the Dean; assisting the Dean in coordinating the compiling of the College Annual Report; processing and approving the applications from the departments for research semesters for their qualified faculty members; and reviewing the annual evaluations of the faculty members in the College.

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The College approved a total of 41 sabbatical applications: 17 for spring 2010 (full pay), 2 for spring-fall 2010 (2/3 pay), 12 for fall 2010 (full pay) and 10 for 2010-2011 (2/3 pay). In addition, the College granted research semesters to 5 assistant professors, all of them taken in spring 2010.

Other standard duties of the associate dean for faculty included substituting as needed for the Dean at the Provost's Dean's Council and at the President's Executive Cabinet; coordinating the College Award for Teaching Excellence (the awardees are named in the Overview section of this report); coordinating the committee that nominated the College's 3 Regents' Lecturers (the awardees are named in the Overview section above); administering the College's annual Faculty Development Fund, out of which 20 faculty projects were supported with grants ranging from $300 to $2500 in the areas of conferences, speakers, publishing/ subventions, and special travel (see Table 5); and, conducting the process for selecting the members of the Faculty Senate from the College for the upcoming academic year.

In addition, Associate Dean Gonzales continued to represent the College on the Title V Educational Initiatives ("Building a Community of Engagement") Faculty Advisory Committee, attending each of the Committee's monthly meetings and participating in the organization of various campus diversity events. He also continued his role NSF NM-PAID Grant, assisting in the project's junior faculty mentoring program and in organizing the appearance of a national academic performing arts group around issues of women representation in the academy. Gonzales continued to work in developing retirement incentives for senior faculty members, and he assisted Dean Claiborne negotiate successful counter offers for 6 College faculty who had received

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offers from other universities (failing to retain 1). Gonzales continued to serve as the College Hiring Co-Officer for Faculty, with oversight over the processes of Banner approvals, recruiting, and selecting new tenure-stream faculty. In 2009-10, the College had 14 new faculty hires across 12 departments (see Table 3 for listing). Finally, Associate Dean Gonzales participated in both informal and formal dispute resolution involving personnel in 2 departments.

III. Recent Major Developments in the College

In 2008-09, the College established as its major goals, based on its Strategic Plan, the areas of 1) improving student success; 2) fostering diversity within the College; 3) enhancing excellence in scholarship; 4) building a leadership team within the College; and 5) increasing private donations to the College. Other goals articulated in June 2009 for FY10 included enhancing internal and external communications, and balancing the College budget. Progress was made in each of these areas.

In the area of **student success**, the College worked to increase retention and graduation rates through 3 projects: 1) improving College and Department advisement services based on 8 identified objectives: 2) working with the Office of the Provost on a university-wide advising initiative; and 3) obtaining data on retention and graduation rates by degree program. Progress was achieved in each of these areas. In the improvement of advisement services, for example, we were able to develop a method of tracking students who are not committed to a degree in one of our programs, and to encourage them to pursue a viable "fall back" major if they are not accepted into the College of their choice. Our work with the Provost's office on an advising initiative resulted in the spelling out of several major objectives under the university-wide advising

initiative and integrating departmental and College level advising. The acquiring of data on retention and graduation rates by degree program progressed to the slowest degree, but clear results were realized.

Also under student success, we worked to ensure that faculty and programs used outcomes assessment data to improve courses and programs. The College has continued to make significant progress in outcomes assessment. With regard to assessment of the undergraduate core curriculum, 19 of 20 A&S departments (95%) have submitted plans and reports for publication on the UNM Assessment website, and 15 of 20 (75%) are successfully "closing the loop" on assessment and using data to drive curricular changes. In terms of the assessment of programs (degree, certificate, or major), 83 of 104 (80%) of eligible programs submitted three-year assessment plans, and 44 of 104 (42%) programs had been assessed, and the results of those assessments reported.

Student success also involved continued work on the Science and Mathematics Learning Center. Although the final planning and the construction phase of the Science and Mathematics Learning Center was more time-consuming than predicted, all of the tasks this year were completed successfully, and the building put on an on-time schedule and on-budget, with a completion date of October, 2010. We collaborated with the Project Coordinator for the building and with the Chair and the Executive Committee in the Department of Mathematics and Statistics to add offices to accommodate future tenure-track faculty. In consultation with the appropriate groups, all of the exterior and interior finishes were selected, the budget was finalized, and the lab equipment selected. Plans were drawn up for moving individual faculty into their new offices.

The College office also worked with Professor Richard Howell, Dean of the College of Education, to plan a new College of Education classroom building that would be shared between the College of Arts and Sciences and the College of Education and would have teacher training as a primary goal. We based the plans on a budget of $18 million, of which the College of Education had already secured $9 million. The plans were finalized and we made presentations to HED, as well as various legislators. The legislature and HED approved $4 million (of the $9 million request) in bond funding. The proposal would go to voters in November, 2010.

With respect to **fostering diversity within the College**, the primary goal was to retain all minority faculty members with outside offers and to recruit at least 1 Hispanic, 1 African American, and 1 Native American faculty member. Indeed, we retained two Hispanic tenure-track/tenured faculty members who had offers elsewhere: Gabriel Melendez, in the Department of Spanish and Portuguese; and Leila Lehnen, also in the same Department. Unfortunately, there were two Hispanic faculty members who turned down our counter-offers: Rena Torres-Cacoullos, Spanish and Portuguese (who resigned to move to Penn State where she joined a larger group of colleagues with similar research interests), and Karma Chavez, Communication and Journalism, who is now at the University of Wisconsin. (Note that we offered Professor Chavez a tenure-track position for her partner as part of a counter-offer package.) We also lost one Native American faculty member who resigned without requesting a counter offer, Joy Harjo, English (see Table 3 for the full list of faculty departures.

With the assistance of the Vice President for Equity and Inclusion, the College also hired two new tenure-track Hispanic faculty: Jacob Vigil, Assistant Professor in

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Psychology, and Maria Velez, Assistant Professor in Sociology. In addition, we hired two Native Americans faculty members: Jennifer Denetdale, Associate Professor in American Studies, and Kimberly Huyser, Assistant Professor in Sociology. Finally, the College hired an African American non-tenure track Visiting Assistant Professor in Africana Studies/History, Ms. Belinda Wallace.

In the area of student diversity, the Dean and Associate Dean for Faculty, Felipe Gonzales, conducted conversations with various individuals about how to tackle this issue but a plan was not formulated in 2009-10.

In the area of **enhancing excellence in scholarship**, a principal goal was to develop a measure of scholarly productivity that includes a quality factor. An Ad-hoc Committee on Performance Measures was formed this year to develop measures that could be applied across the College. The Committee, comprised of representative chairs and directors and headed by Associate Dean for Research, Philip Ganderton, met throughout the year and developed an overall approach for assessing quality: performance measures should be discipline-specific, and bench-marked to disciplinary standards and expectations that would include quality factors. The disparate measures then would be converted into an index (without units) and the measures aggregated across the College. While not yet implemented, this is an important step forward. The Committee hoped to begin testing the strategy the following year.

In addition, we planned to develop review policies for research centers and institutes. The Provost and Vice President for Research established a task force to review research centers and institutes across the campus and develop policies to do so. Associate Dean Ganderton participated as a member of this critical group. While waiting

for their recommendations, the College completed an important first step in reviewing its research centers and institutes, developing and implementing a process for evaluating Directors of Research Centers. Once the recommendations of the University-wide task force are complete, the College will proceed to develop review policies that are consistent with, and support, the campus policies.

In the area of building a leadership team, the College decided on developing a year-long leadership training program for chairs and directors. Two of the critical leadership training events organized this year were 1) the annual Chairs and Directors School for new chairs and directors; and, 2) the Chairs and Directors Retreat. At the Chairs and Directors School, the training section on leadership was expanded and discussion was held on leadership styles, leadership issues within a department or program, and ways in which chairs and directors can serve as college leaders. At the Retreat, two outstanding women who have served as university administrators in the past and who do leadership workshops for academics, were brought in to present their cutting-edge ideas regarding academic leadership. VP Helen Gonzales (Human Resources) was kind enough to split the cost. The workshop included training in a number of aspects of leadership, and the chairs and directors were very engaged and receptive. The College continued discussions on leadership during chair and directors monthly meetings and worked with individual chairs to meet specific leadership challenges being faced in their departments.

Two new special assistants to the Dean were created in the College. Two very dedicated and productive mid-level faculty members accepted offers to serve as special assistants on a part-time basis. Professor Janet Cramer spent the year working on

Academic Program Reviews, faculty workloads and communication plans. She also had oversight for interdisciplinary programs, attended our weekly staff meetings in the Dean's office, and assisted on a number of other projects in the Dean's office. Professor Kristin Umland (Department of Mathematics and Statistics) had been interested in mathematics education for a number of years and was already working on a number of projects with high school teachers and with the UNM College of Education. As a Special Assistant, she expanded the scope of her work (see section below on teacher training), attended weekly staff meetings, and assisted on other projects.

In the area of staff development, the College held meetings with Helen Gonzales, Departmental Administrators and Ava Lovell, to address long-standing technical and morale issues in the departments and programs. Dean Claiborne met with all of the Department Administrators in the College and explained her vision of College staffing. She then established a Task Force composed of five representative Department Administrators (who volunteered to serve), headed by herself and VP Gonzales. The goal was to improve HR processes that affect the College staff, particularly those related to UNM Jobs. The Task Force decided to focus on several issues and the group has made significant progress, particularly in relation to UNM Jobs. In our last meeting of the year with the Task Force, the members expressed their appreciation for working with them and asked to continue the group next year. VP Gonzales and Dean Claiborne readily agreed to do so. The plan calls for continued work with Ava Lovell to implement a similar Task Force for budget-related issues.

On the goal **of increasing private donations**, the College sought to establish a Dean's Development Council. The College chief development officer, Bill Uher, and the

Dean planned the details of establishing a development council. However, Mr. Uher was offered the position of Associate Vice President for the Foundation and left the College in early Spring. It was thus decided to "pause" this project until the Foundation hires a new development officer for the College (although it is not clear that they will).

With regard to donations, the College goal was to secure at least five new major donors with the potential to give over $500,000 and work with our development staff to secure at least two large donations. The College and its development team identified several new prospects with the potential to give over $500,000. One donor, who wishes to remain private at this time, gave $500,000 to Earth and Planetary Sciences with a condition for matching by the Foundation, and the same donor will give another $500,000 when that condition is met. Ongoing efforts with other donors continued throughout the year.

In the area of **enhancing internal and external communications** involving faculty and staff, a site was developed on the College webpage to contain all announcements from the President, Provost and Dean that pertain to faculty and staff. Dean Claiborne asked each unit in the College to submit a communication plan, and charged the College Ad Hoc Committee on Communication to work toward developing a College-wide Communication Plan and use the plan to develop a site on the College webpage that would serve as a communication "hub." The Ad Hoc Committee was composed of representative chairs and directors, and was chaired by Special Assistant Janet Cramer (from the Department of Communication and Journalism) this year. The Committee reviewed the plans from the units and then prepared a composite communication plan for the College. This is an outstanding document and details plans

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for 1) horizontal and vertical communication within the College; 2) communication between the Dean, the Dean's office and the units; and 3) among chairs and directors and their various constituents. The College planned to implement the plan the following year. Meanwhile, College personnel began to use the College website more effectively to publicize awards, events, and other honors bestowed on students and faculty, and it implemented a plan to routinely alert the staff at *UNM Today* to awards and events within the College.

With respect to faculty communications, the plan called for instituting College-wide faculty meetings and host "Coffee in the Dean's Office" for faculty. Three College-wide faculty meetings were held: one in early Fall, one with the President and Provost in late Fall, and one in late Spring. A variety of issues were discussed at each meeting and a reception was held after the meeting in the Spring. In addition, the Dean attended faculty meetings in every department except Chemistry to discuss budget cuts and other issues that concerned the faculty. An email list-serve of all faculty members in the College was formed in order to better communicate with them directly. The "coffee in the dean's office" was to be implemented the following year.

Finally in the area of communications, the College hired two undergraduate student interns; one from English and one from Communication and Journalism. Under the guidance of Special Assistant Janet Cramer, the interns interviewed department chairs and directors of programs, centers, and institutes and generated a list of story ideas that we are using to produce our next College newsletter.

With respect to **balancing its budget**, the College planned to work with department chairs to decrease costs, leading to a balanced College budget in FY11.

Although balancing the budget was and is an on-going process given reduced allocations, we balanced our recurring commitments with available recurring funds such that our future recurring commitments are within reason. The Dean also made significant progress this past year in communicating the budget constraints to the chairs, directors and faculty. Building on the budget presentation I prepared the previous year for chairs and directors, the budget was simplified (with help from Kate Moore) and presented to faculty in each of the departments. The Dean and associate deans also listened to the concerns of the faculty about the necessary cost-cutting measures and explained how the administration had made large cuts in their budgets in order to protect academic affairs as long as possible from the reductions. The Dean's team discussed budget challenges at every monthly Chair and Directors Council and at every monthly Chairs-only meeting. In addition, small group meetings with chairs were organized to understand their viewpoint about budget cuts. The chairs and directors submitted their 2% budget reduction plans by early March, and together the College made the final decisions about how to reduce our recurring allocation by $618,000 as soon as this target was available from the Provost's office. The Dean also had discussions with personnel in the budget office and with Kate about how to better organize the College accounts in Banner so that the budgeting process is more transparent. The plan was to implement their suggestions the following year.

Academic Program Reviews:

In a unit as large as the College of Arts & Sciences, reviews of academic programs occur on a regular basis. They are critically important for maintaining the high quality expected of Carnegie High Performing Research Institutions. The quality of each

of our academic programs follows the process of evaluation established by UNM's Academic Program Review process, in which the Dean's office in the College is intimately involved. As part of a continuing effort to keep the College closely involved with the review, Special Assistant to the Dean Janet Cramer was named to oversee the College's participation and ensure that the selection of reviewers, reporting, and budgeting were consistent with College standards and overall College plans.

Several programs have undergone the review process since new guidelines were implemented in 2008-2009 (as described in that year's annual report). Three departments began their Academic Program Review in 2009-2010, including the completion of a self-study document and the hosting of an external site-review team. These departments were History, English, and Physics & Astronomy. In addition, an interdisciplinary degree program, Optical Science and Engineering, initiated and completed its review process in 2009-2010. These departments are in the process of writing responses to the site visit and generating action plans that will begin in 2010-2011. These plans may include such things as curriculum revision, strengthening graduate and undergraduate programs, developing or enhancing programs that reward student success in the classroom or in research, initiating development efforts, and long-range hiring plans. Four other departments continued their review process, with two of these, Anthropology and Philosophy, developing responses and action plans in consultation with the Dean's office.

Close coordination between the Dean's office and a department undergoing Academic Program Review ensures that departmental and College goals are aligned and that the Dean's office can support—either financially or programmatically—a department's action plan. Although this can extend the timeline for completion of the

review, such cooperation is essential to the College achieving its long-term goals of academic excellence.

IV. Affirmative Action/Diversity

The major activities with regard to enhancing diversity, particularly at the faculty level are described fully in Section III above. Here it can be mentioned that the College continued with efforts to enhance the cultural and gender diversity among its faculty during the 2009-10 academic year. It has become standard operating procedure for departments to insure that all faculty search committees include the OEO- required representation of female and minority group members. Departments also sent the ads for their searches to the newsletters and similar outlets that served the diversity applicant pools of their respect disciplines.

V. Research and Scholarly Activities

In addition to the 20 discipline-focused departments, 10 inter-disciplinary programs and 10 research centers and institutes that report to the Dean, there are in the College of Arts and Sciences another 10 research centers that exist in the College reporting to department Chairs. Almost every faculty member is currently undertaking research, whether it be funded by outside agencies or UNM's Research Allocations Committee, or conducted as part of their regular responsibilities during the academic year. Within each of the three clusters—Humanities, Social Sciences and Physical Sciences—faculty undertake research singly or with collaborators. Collaborators come from within the home department, other departments in the university or from outside the university, including the National Laboratories located within New Mexico (Sandia National Laboratories and Los Alamos National Laboratory), as well as many other

universities in the US and around the world. Researchers apply their research in the classroom, using it to provide our students a state-of-the-art educational experience, to encourage both undergraduate and graduate students to undertake their own research and to participate in faculty-led research. Faculty researchers work with graduate students as instructors, mentors, advisers and ultimately as co-PIs and coauthors of research papers.

Research faculty members in the College of Arts and Sciences work with research staff and technicians in laboratories and other research facilities, and they find opportunities to work with researchers at the UNM Health Sciences Center. Although a separate entity, the Robert Wood Johnson Foundation Center for Health Policy represents a graduate (Ph.D.) student-focused program that links students and faculty in the social sciences of Economics, Political Science and Sociology with educators and researchers in the School of Medicine and particularly the Department of Family and Community Medicine. College researchers are involved in many projects and programs that span not only the departments and disciplines in the College, but also involve other researchers in the College of Education, the School of Engineering and the College of Fine Arts, among others. There is almost no area of research activity at UNM that does not involve researchers from the College of Arts and Sciences.

The Deans Office, acting as the College administration, supports research of all faculty members by first and foremost encouraging and recognizing faculty research through the appointment, promotion and annual review processes. The College provides competitive start-up packages to new faculty members and in Fiscal Year 2010 provided over $250,000 in start-up funds to faculty, which represents the College's share of about $600,000 in start-up funds provided to College faculty by the university as a whole.

Start-up support should increase significantly as the College, is able to recruit and hire new faculty once the current economic recession is over and budgets recover. The College also offers support for new faculty to encourage research and publications during the critical probationary period as researchers work toward promotion and tenure, in the form of research semesters with no teaching commitments, and reduced teaching loads when the department is able to support them. The College also encourages any faculty member to buy out of their teaching responsibilities with external grant funds, within the constraints imposed by the university's workload policy, and the needs of the department.

Researchers in the College of Arts and Sciences attracted almost $43 million in new and renewed contracts and grants to support research from external agencies in the fiscal year ending June 30, 2010. This represents a 9.4% increase over the value of new and renewed sponsored research awards in the previous year ($39.2m). The number of awards was 342 compared to 366 the previous year. A substantial proportion of College faculty received support from outside sources during the year, and these grants supported many post-doctoral students, graduate students and undergraduate students. They supported research staff and administrative staff throughout the College.

Departments accounted for nearly 70% of the $43 million in new research grants over the year while research centers and institutes in the College accounted for the other 30%. When combined, researchers in the Physical Sciences and Mathematics cluster were awarded 76% of the total value of new grant money in the last year, researchers in the Social Sciences disciplines accounted for 22% of the new grants and those in the Humanities received the remaining 2%. The largest new or renewed award during the year was almost $7 million to continue the work of the Long Term Ecological Research

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(LTER) program based in the Biology Department, and there were 5 other grants of amounts over $1 million awarded to researchers in the College.

Researchers in the College were very successful in obtaining American Recovery and Reinvestment Act (ARRA) funding, with grants to researchers in Anthropology, Biology, Chemistry, Earth and Planetary Sciences, Economics and Geography and totaling many millions of dollars. Although many ARRA grants are limited to 2 years duration, they are testament to the talent and skill of College researchers.

The research centers and institutes in the College remain a strong force promoting excellence in research by providing opportunities for faculty and graduate students to work on critical projects with well developed infrastructure to support research. Combined they brought in well over $13 million in sponsored research funds to support their own activities and generate valuable Facilities and Administration (F&A) funds to the university as a whole.

The consequence of the research efforts of faculty and graduate students in the College of Arts and Sciences is the presentation of findings at scholarly meetings, the preparation and publication of articles, monographs and books, and the propagation of new ideas among colleagues and the wider regional, national and international communities. All this supports faculty, students and staff at the university to promote and maintain the reputation of the College and university as the flagship research institution in the State of New Mexico.

VI. Curriculum, Teaching and Enrollment Management

The College of Arts and Sciences is responsible for the majority of the General Education instruction for all UNM students and each year graduates more students than

any other college. Tables 8 and 9 summarize the total number of degrees awarded and degrees awarded by department. Over the past decade, the total number of full-time faculty members has not risen while the SCH production for the College has grown substantially. Thus, an ever-increasing fraction of the College's teaching load is being born by part-time instructors and graduate students.

Despite general budget reductions in FY 10, the College continued its commitment to the classroom by maintaining its PTI instructional budget at its previous level (approximately $3 million). The highly successful Interdepartmental Teaching Assistant Program has been a major component in our PTI budget. This program simultaneously benefits both undergraduate and graduate programs by allowing Arts and Sciences departments with insufficient TA budgets to serve their graduate students by referring qualified students to departments that have sufficient support but not enough graduate students to meet their instructional needs. As in FY 2008-09, the program funded 22 TA lines, this time in three departments (English, Spanish & Portuguese, and Foreign Languages & Literatures).

Curriculum Development: The Core Curriculum Task Force (CCTF). Although the CCTF's mission requires action by the Faculty Senate and other University leaders, its work represents a significant step in the direction of the University's future curriculum development. The College of Arts and Sciences was well represented in the CCTF, with 11 of the 21 faculty members from A&S departments. Chaired by English Department Associate Professor Michelle Hall Kells, and responding to a request first by the New Mexico State Secretary of Higher Education and followed up on by the Provost, the CCTF worked throughout the year to analyze the strengths and weaknesses of the

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current core curriculum. As described in its final report, the CCTF concluded that while the core curriculum "provides a broad range of courses that introduce students to a variety of disciplines," it is out of date and does not conduce to current priorities in higher education. The Spring 2010 Open Meetings included over two hundred participants (undergraduate students, faculty, staff, administrators, and graduate students) in discussion about the findings and recommendations of the task force. The final report recommended that the University focus on six priorities: 1) Develop a rationale, or explanation of purpose, for the core curriculum that is clearly presented and made available to students, faculty, advisors and administrators; 2) Support oversight of the core curriculum in a recognizable, capable and broadly representative body of faculty, staff and administrators; 3) Make faculty aware of the three existing UNM Learning Goals, which are based on LEAP's four outcomes; 4) Create a set of Student Learning Outcomes, more specific than the general UNM Learning Goals, to guide the core curriculum with a coherent vision; 5) Build guidelines for faculty who want to propose courses for the core, explaining what is required for approval; and 6) Develop and implement a university Writing Across the Curriculum program.

Extended University: A&S departments significantly accelerated the growth in both the number of online courses offered (an increase of 59% over AY08-09 levels) and in total SCH production (an increase of 79% over AY08-09 levels). In addition, to help the University achieve the goal of reaching out to more New Mexicans, several departments (including American Studies, Communications & Journalism, Foreign Languages & Literatures, Psychology, and Sociology) have begun developing degree-

completion programs that can be satisfied entirely online. These efforts have paved the way for even greater acceleration in future years.

Assessment: Compared to the enormous progress achieved for assessment during AY08-09, assessment activities during AY09-10 remained about level. For the assessment of degree programs, while 23 of the 24 units that offer degrees or certificates completed satisfactory assessment plans for all their degrees/certificates during AY08-09, and 14 of these programs performed and submitted satisfactory reports during the current year. For the assessment of courses in the general education core curriculum, 19 of the 20 units that offer general education courses wrote satisfactory plans for at least two courses and assessed them during AY08-09, and during the current year, 25 core courses were assessed and reported on satisfactorily. The College committed itself to work toward 100% compliance and, more important, toward developing a culture of assessment across the College.

Faculty Development: The College of Arts & Sciences continued to support the Office of Support for Effective Teaching (OSET) through funding of the annual "Success in the Classroom: Sharing Practices that Work" conference and through its faculty, who participate in this conference and also develop and present faculty workshops on teaching with writing, improving assessment, and teaching with new media and technologies. The College contributed $500 to the 2010 "Success in the Classroom" conference, 17 College faculty and teaching assistants presented at the conference, and 56 A&S instructors at all ranks attended the conference. Three English Department faculty facilitated OSET workshops during FY 10. Arts and Sciences instructors ranging in rank from teaching assistant through full professor took advantage of faculty development programs offered

by OSET with 112 College instructors attending at least OSET event, 57 for the first time.

Enrollment Management Initiatives: The College continued an aggressive program of enrollment management to address increasing enrollment pressures in high demand courses. In 2009-10 we supported new intersession courses in the Fall Semester. During fall intersession, 32 courses were offered in 13 departments. These courses were well received by the students and most filled to within 90% of capacity.

Summer Session: A total of $772,000 was allocated to the College to support the 2010 Summer Session. Much of this funding was used to offer courses that required graduation (University Core and "gateway" courses). Offering them in the summer session has a positive effect on both graduation and retention rates. The College actively collaborated with the Office of the Provost to increase the availability of what have been traditionally high demand laboratory courses and support unique summer programs including the German Summer School in Taos, field schools in Anthropology and Geology, and the English Department's Summer in London program. In addition, the College responded to the Provost's initiative to return tuition revenue to departments who exceeded their student credit hour production over the previous summer. Enrollments for Summer 2010 increased, producing an additional 1,813 student credit hours, resulting in $56,000 of tuition revenue to participating departments.

VII. Special Projects and Functions

Advisement Center: The advisement and academic guidance of 8000-plus undergraduate majors and pre-majors is the most important responsibility of the College's Advisement Center. The Center (under the supervision of Mark Ondrias, as Special

Assistant to the Dean, and Stephanie Hands, Director of Advisement) not only services the entire undergraduate population of the College; it coordinates the advising activities with the individual academic programs. It admits undergraduate students to the College of Arts and Sciences and coordinates the monitoring of their academic progress, certifying their graduation and updating their intended course of study. Approximately 1400 Arts and Sciences baccalaureate graduates were certified this past academic year. The Center moved to new Facilities in the University Advisement and Enrichment Center in 2009-10. The Center was also given funding by the Provost to expand the number of full time College Advisers to ten (from 7).

Interactions with Students: The number of students enrolled in a major of the College of Arts and Sciences during 2008-2009 was: Summer 2010 – 2174, Fall 2009 – 6420, and Spring 2010 – 6378. Most of these students have direct contact with the Advising Center at least once a year. Many of them have multiple contacts per semester. The Center operates on an appointment-based system Monday through Thursday, with Friday the walk-in day, to accommodate the students' need to seek assistance on "deadline days". A total of 10,374 student visits to the Advisement Center occurred during 2009-2010. This does not include out of office advisement sessions or electronic communications (see below). Mandatory group advisement sessions for transferring into Arts and Sciences and graduation planning now account for almost 2600 of the student visits. These seminars are offered several times a week throughout the semester but are limited due to the lack of space/time slots to conduct them.

Contact with the undergraduate population is not limited to face to face interactions. Advisement has developed and is always looking for ways to improve other

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modes of communication. Students appreciate the ability to contact their advisor via email. Advising email traffic has grown from just under 700 in 2005-06 to over 9000 for 2009-10.

The center is also responsible for evaluating and completing paperwork for all students in the college. We made a concerted effort to electronically process student requests whenever possible. Nonetheless, the Advisement Center received over 5000 individual paper requests in 2009-10. These requests had turnaround times that ranged from 24 hours to 5 business days. In an effort to streamline some of these processes, the center began requiring students attach their degree audit and highlight significant areas that are related to their request.

Collaborations with Departments and other Advising Offices: The enhancements of facilities and IT capabilities for the College Advisement Center in 2009-10 allowed us to expand our collaboration/connections with departments and programs.

Enhance the Direct Connections Between Departmental and College Advisement: All academic programs have a specific College Advisor assigned to them as a direct point of contact. This has established regular personal contact between College and Program advisors that allows for the efficient flow of information. Student "problems" can be dealt with immediately and directly. The College Center has been actively working with the Provost's Committee on Advising and the Faculty Senate Undergraduate Committee to devise protocols for supporting Faculty advisors. In addition we piloted an initiative whereby College and departmental advisors spend 1-2 days per month at each others site. This builds a teamwork atmosphere and allows advisors to hold "joint" advising seminars where students can get one stop advising for

the College and their major. Departmental advisors will be directly included on the College Suspension and Probation Committees beginning in the 2010-2011 academic year.

Improve the IT and "paperwork" protocols for Advisement: College liaisons and departmental advisors have collaborated to "scrub" the degree audits for individual program so that students can determine their progress toward graduation electronically Updating degree audits for each program is now a yearly event that is facilitated by a degree audit team from the College. The graduation certification process is being re-engineered to be more responsive to student problems at the departmental level. Graduation lists are now audited electronically and students on the list that do not meet graduation requirements are notified and urged to seek advisement.

College Advisement Center as a Venue for Academic Support: The College Center currently hosts CAPS walk-in labs for both Math and Writing and holds regularly scheduled seminars on "How to succeed at UNM" are hosted by the Center.

College Academic Committees:

College of Arts and Sciences Graduate Committee: This committee serves in an advisory capacity to the Dean of Arts & Sciences and the Office of Graduate Studies and represents the graduate program interests of the College. It is comprised of the Chairs of the Graduate Programs for each of the academic programs within the College. The Committee met each semester to consider topics relevant to the Graduate Programs of individual departments and the College's working relationship with the Office of Graduate Studies. These included changes in instructional programs and

academic advisement for graduate students. 2009-10 was a quiet one for the committee. No new graduate programs were approved and there were minimal changes in administrative or academic regulations which affect graduate programs.

College of Arts and Sciences Undergraduate Committee: The Undergraduate Committee of the College of Arts and Sciences has several roles and responsibilities. In addition to its advisory capacity to the Dean, it is the functional arm of the College for activities related to improvements in instructional programs and academic advisement

Each of the 20 academic departments in the College designates one faculty representative (voting faculty as defined in the Faculty Handbook) to the College of Arts and Sciences Undergraduate Committee (see Table 7). The Committee also has ex-officio members from interdisciplinary degree-granting programs and staff academic advisors within the College. Improvements in College and Departmental level advising were the focus of the year's committee discussions. The College Undergraduate Committee served as a focal point for facilitating collaborations between program level and College level advisors and addressing difficulties encountered with student registration and transfer equivalencies by improving data flow between advising offices. Several new advising initiatives were piloted in 2009- 2010 (see above).

College of Arts and Sciences Curriculum Committee: This committee is composed of 4-6 faculty members (at least one each from Natural Sciences/Math, Social Sciences and Humanities) and is chaired by the Associate Dean for Curriculum and Instruction. It is responsible for reviewing all proposed changes in courses and programs of study within the College. The committee met regularly during the year to review

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changes in individual courses or programs and make recommendations about their acceptability to the Faculty Senate Curriculum Committee. Academic Year 2009-10 was not a particularly busy one for the Curriculum Committee. Almost all catalog changes required as a part of the on going implementation of the BANNER were already in place and the dismal financial situation of the University system severely curtailed the creation of new courses and programs within the College.

College Outreach Initiatives: Outreach Activities for the College Office were coordinated by Prof. Kristen Umland (Special Assistant to the Dean). They fell under four main categories:

1. Working with faculty and administrators in A&S and the College of Education (COE) on grant proposals to improve the preparation and professional development of K-12 teachers and to provide workshops for teachers funded by the Pepsi funds from the Provost's office. In 2009-10, the College with COE on an NSF Mathematics and Science (MSP) proposal, an NSF Innovative Technology Experiences for Students and Teachers (ITEST) proposal, and a USDE Teacher Quality Partnership (TQP) proposal and we began to revise the NSF MSP proposal to resubmit in October 2010. In addition we have allocated funds to support workshops for high school English teachers, middle and high school language arts teachers, high school physics teachers, and high school chemistry teachers. The following grants were submitted:

- NSF Mathematics and Science Partnership (MSP) grant
- USDE Teacher Quality Partnership (TQP) grant
- NSF Innovative Technology Experiences for Students and Teachers (ITEST)

2. Working with schools, districts other IHEs, and the New Mexico Public Education Department on a variety of initiatives including the New Mexico Alliance for Mathematics Teacher Professional Development, the revision of the New Mexico Mathematics Teacher Competencies, and the updated version of New Mexico Project 2012, a strategic framework for improving math and science education across New Mexico.

- The New Mexico Alliance for Mathematics Teacher Professional Development
- The revision of the New Mexico Mathematics Teacher Competencies.

New Mexico Project 2012

3. Facilitating Faculty-initiated Workshops:

a. Wanda Martin (English) who started the A&S Teachers' Institute and continues to offer workshops for high school English teachers.

b. Jeff Saul (Physics and Astronomy) who has been involved in improving undergraduate physics education as well as offering professional development for high school physics teachers.

c. Timothy Graham (Director of the Institute for Medieval Studies) who organizes Medieval Day at the Albuquerque Academy every fall and a Spring Lecture Series for the general public.

d. Matt Nyman (Earth and Planetary Sciences) who works on numerous teacher education projects and collaborates with faculty in other departments on grant proposals with an educational component.

e. Laura Crossey (Earth and Planetary Sciences) who has had an NSF GK-12 grant as well as an NSF AMP grant with NMSU.

f. Virginia Sharff (History) who has been involved in the Teaching American History project which brings high school teachers to UNM for a Master's degree in History.

g. Joseph Ho (Chemistry) who is working to improve introductory chemistry courses and provide professional development for high school chemistry teachers.

h. Janet Vassilev (Mathematics and Statistics) who currently runs the UNM-PNM math contest which has been going for over 40 years. Nearly 1,000 students from across NM participated in 2009-2010.

3. Faculty Development in STEM disciplines: Prof. Kristen Umland collaborated with Special Assistant to the Provost Gary Smith to organize and then moderate a STEM themed session during the February 2, 2010 Success in the Classroom conference that he has been organizing through the provost's office for the past several years. Faculty from Biology, Chemistry E&PS, Mathematics and Statistics, Physics and Astronomy attended and made presentations. One goal for this session was to cultivate a community of interested STEM faculty to ultimately help improve our teacher preparation and professional development offerings in math and science.

In addition, several long standing department-based outreach projects continued in 2009-2010. These programs (listed below) engaged a wide cross section of the state community with College faculty, graduate students and departments. Most of these programs received both extramural and UNM funding for their initiatives.

Current Initiatives

Science Education Institute of the Southwest (SEIS): The Science Education Institute of the Southwest (SEIS) provided programs in response to the needs of New Mexico's science teachers since 2005. SEIS is a collaboration of UNM, Sandia National Laboratories, the New Mexico Museum of Natural History and Science, National Radio Astronomy Observatory and the Albuquerque BioPark.

Institute for Medieval Studies Outreach Activities: The Institute for Medieval Studies (IMS) had several outreach initiatives organized by director Professor Timothy Graham, including co-organizing Medieval Day at the Albuquerque Academy in November 2008, offering a public lecture series in April 2009, and providing presentations to high school students throughout the school year.

Ecohydrogeology in the Middle Rio Grande Environment (E-MRGE): E-MRGE is an NSF funded project overseen by principal investigators Professor Scott Collins, Biology, and Professor Laura Crossey, Earth & Planetary Sciences (E&PS). E-MRGE pairs graduate student fellows in Biology and E&PS with middle school (6th-8th grade) science teachers in the communities of Belen, Laguna Pueblo, and Socorro, New Mexico.

The Trail of Time at Grand Canyon—Geoscience Education in the National Parks: The Trail of Time is an interpretive walking timeline trail that focuses on Grand Canyon vistas and rocks to guide visitors to ponder, explore, and understand the magnitude of geologic time and the stories encoded by Grand Canyon rock layers and landscapes.

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The Bosque Ecosystem Monitoring Program (BEMP): The Bosque Ecosystem Monitoring Program (BEMP) conducts long-term ecological research using volunteers (K-12 teachers and their students). BEMP monitors key indicators of structural and functional change in the Middle Rio Grande riparian forest, or "bosque."

UNM-PNM State-Wide Mathematics Contest: The UNM mathematics contest has been running since 1966 and has received support from the PNM Foundation since 1997. The contest is open to all students in grades 7 - 12 as well as students in lower grades who are taking accelerated math. The goal of the contest is to promote mathematics education in New Mexico by rewarding students, teachers, and their schools for mathematics excellence.

Add+Vantage Math Professional Development for Elementary School Teachers: Add+Vantage Math is a program to help young children who are having trouble with basic number concepts to improve their mathematical understanding. In 2008-2009, Cathy Briand of the Mathematics and Statistics Department received a grant from the New Mexico Public Education Department to train elementary teacher is these methods. It's activities were extended to 1009-10.

La Meta: Mathematics Educators Targeting Achievement: La Meta is a US Department of Education Mathematics and Science Partnership (MSP) funded project that has worked with middle-grade mathematics teachers since 2004. La Meta is a partnership between the University of New Mexico Department of Mathematics and Statistics, Central New Mexico Community College and five public school districts that serve nearly 40% of the K-12 students in New Mexico. The goal of the partnership is to improve New Mexico school children's mathematical learning and achievement.

Teaching American History (TAH): TAH is a joint project of Albuquerque Public Schools (APS) and the UNM History Department that provides professional learning opportunities for K-12 History teachers. Other partners include the Center for the Southwest, the American Institute of History Education, the Albuquerque Historical Society, and the Sandoval County Historical Society, the Center for Performance Assessment, and the City of Albuquerque Special Collections Library.

Scientific Collaboration on Research in Education (SCORE): SCORE is a joint effort of the Mind Research Network (MRN), New Mexico Mathematics Engineering and Science Achievement (NM MESA), and the UNM Mathematics and Statistics Department that presents information about the science of the mind to teachers.

College Scholarships: The College awards a variety of small scholarships to deserving students each year. In 2009-10, the College of Arts and Sciences received over 300 applications for the seven available awards (see below). Applicants were reviewed by the College Scholarship Committee (Deborah Evans; Chair, Laura Crossey, Mark Ondrias, Diane Marshall, Sherman Wilcox, and Charlie Steen). This year we added the Nathanial Pitman Weber Endowed Scholarship. This scholarship award is for outstanding undergraduate resident scholars.

In addition, we honored Lecturers or Part Time Instructors who exemplified excellence in teaching of any science/math discipline within the College at the undergraduate level by awarding them with the William P. and Heather W. Weber Award for Teaching Excellence. In summary, the College awarded 9 scholarships and awards totaling over $15,000 for the 2009-10 academic year.

Recipients: The scholarship award recipients for 2009-10 were following:

Scholarship	Recipient
Charles E. Brown and Katherine M. Brown Scholarship	Megan Abrahamson
F.P. Clements Endowed Scholarship	Laura Fish
Ralph W. Douglass Memorial Scholarship	Gary Ferrell
George A. Kaseman Memorial Scholarship	Megan Chatterton
Nathanial Pitman Weber Endowed Scholarship	Jennifer Gammage
	Aaron Wagner
Dr. Harry Vanderpool Endowed Scholarship	Belinda Vicuna
Marjorie Yepsen & Carleen F. Farnam Endowed Scholarship	Paul Hunt
William P. and Heather W. Weber Award for Teaching Excellence	Matthew Nyman

Dean's List: The College maintains a Dean's List to recognize our exceptional students. This list is displayed on the College homepage. The criteria for inclusion on the Dean's List are a semester GPA of 3.75 or higher while being enrolled for 12 or more credit hours. For AY 09-10 over 1300 students achieved this honor, over 200 of which were recognized in both semesters. Dean's List students receive a notation on their transcript and an email of appreciation and congratulations signed by the Dean.

VIII. Development Efforts

For the fiscal year ending June 30, 2010, the College of Arts and Sciences Development Office raised $8,513,452.79 in charitable donations from alumni, friends, corporations, and private foundations. A retired Biology faculty member gave a $2,000,000 gift for endowed support for field research in biology. This endowment's major focus is mammals. Another major gift secured was a $1,000,000 gift for graduate research in Earth and Planetary Sciences. The endowment will also fund equipment and community outreach in world of petro-geology.

Previously a team of four, the College of Arts and Sciences Development Office is currently staffed by two members. Yolanda Dominguez supports the Social Sciences, Biology, and Chemistry. She is an alumna and current graduate student at UNM. Jeff

MacNutt supports the Humanities, Science and Mathematics, Earth and Planetary Sciences, Physics and Astronomy, and Geography.

The UNM Foundation employs both Dominguez and MacNutt. Since October 1, 2008, the UNM Foundation has been a separate 501(c)3 whose mission is to raise support for UNM.

The UNM Foundation announced in 2009-10 that it would launch the public phase of a capital campaign on April 14, 2011. The theme for the campaign is, "Changing Worlds."

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Name of Division: Africana Studies Program
Period Covered: July 1, 2009-June 30, 2010
Submitted by: Alfred Dennis Mathewson, Professor of Law and Acting Director

SIGNIFICANT DEVELOPMENTS OF THE DIVISION

Africana Studies made significant progress during the 2009-2010 academic year under the leadership of Acting Director Alfred Dennis Mathewson and Associate Director Sonia Gipson Rankin. Professor Mathewson assumed the position of Acting Director as of July 1, 2009, while Dr. Finnie Coleman, the Director, continued to serve as the Acting Dean of University College. Associate Director Sonia Gipson Rankin assumed her position on August 1, 2009. We emphasized excellence in student service, excellence in teaching, excellence is scholarship and research, and excellence in community outreach. The budget was stabilized under the previous Acting Director, Professor Sherri Burr. As of July 1, 2009, all but one of the major accounts reflected moderate surpluses. The I&G account showed a tiny deficit of $836. The accounts were in similar condition as of June 30, 2010. The Faculty Initiative line had a surplus of approximately $31,000. The line is intended to add permanent tenure-track faculty. We used it hire Visiting Lecturers for the 2009-10 academic year. We raised approximately $ 24,000 for Black History Month programming and managed to break even.

Thus, Africana Studies Program had a successful year.

Curriculum. The curriculum was planned already for summer 2010, fall 2009, and much of spring 2010, when we assumed office. We appointed a Curriculum Committee consisting of Dr. Kadeshia Matthews, Chair, Dr. Jamal Martin, Dr. and Dr. Belinda Wallace. The Curriculum Committee reviewed our catalogue and our offerings and identified five areas of need: 1. Black Politics and Social Justice; 2. Cultural and Popular Culture; 3. Feminisms and Womanisms; 4. Language(s); 5. Religion, Spirituality and Syncretism. The Committee worked off the current curriculum listed in the catalogue. It also reviewed the offering history of courses listed in the catalogue to identify those in jeopardy of sun setting. It recommended that courses so identified be offered in the 2010-11 academic year. They were Emancipation and Equality and Education in Colonial West Africa.

The Program continued to offer Study Abroad opportunities with Study in Egypt in the 2009-10 winter intersession and the African Presence in Veracruz in the 2010 summer session. We successfully petitioned the Faculty Senate Curriculum Committee to reactivate Swahili 102. We decided to participate in a US Department of Defense Project Go funded program with UNM's Army ROTC Unit to offer the course in the spring and summer of 2010 as a prelude to joining in an application for a larger grant that would enable us to offer Swahili 201 and 202 as well. The Project Go funding has dried up the future of that other funding is in limbo. However, Dr. Hugh Horan taught the special three-week intensive Introductory Swahili course this past May-June. It was reserved for current UNM ROTC Cadets from all three services, Army, Navy, and Air Force.

Likewise, the Program made concerted efforts to increase enrollment in the Program. We generated 1554 student credit hours for the 2009-10 academic year including the 2010 summer session, of which AFST was credited 825 SCH. The increases were due in part to the cross-listing of classes taught by professors in other departments and courses taught by Visiting Lecturers pursuant to the Faculty Initiative. We also experimented with offering second eight week courses during the fall semester. At the suggestion of students, we offered our gateway course Foundations of Africana Studies in both the fall and spring semesters, a practice we have continued in the 2010-11 academic year. We tried to select courses for the summer that we

The program will seek to foster a culture of excellence and graduation. In the 2010-11 year, our focus will be on excellence in all areas: excellence in student service especially to students who major and minor in our curriculum, excellence in teaching, excellence in research and scholarship, excellence in faculty development and support and excellence in community outreach.

Administration. The 2010-11 academic year will be another one of transition. The Acting Director has consulted the Director on developments and issues affecting the Program. Discussions continue with the Associate Director and Office Administrator about the transition.

Curriculum. The curriculum has been the subject of ongoing review and discussion since Dr. Coleman assumed the directorship. Shortly after he arrived, the Program changed its name to Africana Studies reflecting a philosophical direction for the Program. Founded as the Afro-American Studies Program, the name change followed a movement nationally to broaden the scope of the Program to cover the African Diaspora in addition to the African American experience nationally and locally. It is important to note that the name change did mean not the abandonment of the Program's core mission; it meant expanding it to include a global and international focus. The name change was followed by a comprehensive review of the Program and its history in 2007. The result of the review was the 2007 Africana Studies Program Curriculum Revision Report, which redefined the program's mission and called for the development of the major to be built around three major goals of research, writing and service. It also have identified "four categories for the major:" (1) History; (2) Education, Social, and Behavioral Science; (3) Women's Studies; and (4) Literature and Culture and proposed the development of (1) capstone courses; (2) gateway courses; and (3) language requirements.

In last year's Annual Report, we expressed our intent to move forward in obtaining University approval. We took no action as the temporary leadership focused on managing the Program. We did not abandon the revision. We believe that the Program is now ready to pursue approval of the revision.

Faculty. A search committee has been formed for a tenure-track joint appointment with the History Department. A job posting and advertisement are in the approval process. The Program continues to strengthen its relationship with affiliated faculty in other units who teach in related areas and may cross-list courses. These include Dr. Steve Bishop in Foreign Languages and Literature and Dr. Kathy Powers in Political Science. Dr. Kirsten Buick in Art History has returned. Dr. Buick and Dr. Bishop are members of the joint search committee.

Scholarship and Research. Africana Studies will promote and encourage scholarship and research by its faculty this year.

Academic Advisement. The Africana Studies Program will emphasize advisement and support for majors and minors. It will hold an Open Houses in the spring for majors and minors. An informational Open House for all interested students was held in this fall.

Development. Development efforts last year focused on funding Black History Month Programs. More effort needs to be made on raising fund for our scholarships. The Program necessarily must coordinate with African American Student Services to reduce unintended competition.

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40th Anniversary Programming. 2010 marks the 40th anniversary of the founding of the Africana Studies Program and African American Student Services. The celebration will culminate with the 2011 Black History Month Kick-off Brunch. We hope to have a showing of a documentary produced by Dr. Harold Bailey and the Office of African American Affairs.

PUBLICATIONS OF THE DIVISION; PUBLICATIONS OF INDIVIDUAL FACULTY/STAFF

Dr. Steve Bishop
"Oppositional Approaches to Female Genital Mutilation in African Literature", *Empathy and Rage*, Oxfordshire: Ayebia Clarke Publishing, 2009, p38-51.
"Jean-Marie Teno: The Legal Outsider of Cameroonian Cinema", submitted to Law and Literature Journal, Farleigh Dickinson U P, 2011.
Dr. Maisha Baton
"Sketches", West End Press, 2009. Poetry, African American Studies. These poems reflect years of observation: checking out the street, listening to talkers, getting inside the heads of family members, and locating an aesthetic in the work of others.
Dr. Kadeshia Matthews
"Charles Chesnutt." Realism and Regionalism, 1865-1914, Resource Guide to American Literature series. Ed. Gary Scharnhorst and Tom Quirk. Bruccoli Clark Layman, 2010.
Dr. Sonia Rankin
"Reading it Gave Me Information, But Living It Gave Me Understanding": Using Excursions to Enhance the Classroom Experience," Office of Support for Effective Teaching, UNM Community Conference for Teachers By Teachers, Published Abstract (2010)

OUTSIDE PROFESSIONAL ACTIVITIES OF STAFF MEMBERS

Dr. Mohammad Ali
December 27, 2009 – January 12, 2010
Led a field experience Study Tour to Egypt with 14 UNM students, faculty and staff. The course was a three credit course. This past year's program was led by Dr. Sherri Burr and Dr. Ali. It was a great success and is being followed by a two course study tour this December 2010/January 2011. This year's program will be led Dr. Cassesia and Dr. Ali.
June, 2009
Taught an intensive Arabic Language Course for one month, three hours a day to High School students as part of the STARTALK Federal Grant for Arabic and Chinese. This is the second year in a row that we received the grant.
July 2009
STARTALK
NHLRC, National Heritage Language Resource Center, UCLA, Attended an institute on the teaching of Arabic as a foreign language to heritage students Completed the 35 hours of the institute which included the final presentation project based on innovative curricular design that included specified learning materials and assessment tools
Awarded a certificate of completion
July 5-11, 2009
Georgetown University, NCLRC, Center for Applied Linguistics, and the University of George Washington
Arabic Hands-On Institute

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Attended an institute on the teaching of Arabic as a foreign language. Taught by Iman Hashim and Mohamed Issa
June 1-15, 2009
STARTALK
CLASROAD, Center for Languages, Art, and Societies of the Silk Road
Successfully completed 30 hours of online training and fulfilled the requirements established by the faculty for the program of Leading the Way in Content Based Arabic Instruction and attained a satisfactory level of proficiency in the methodologies and practice of teaching Arabic as a Foreign Language. AwardedCertificate of Completion on June 15, 2009 Scored among the top 20 in the class and was invited for a full two weeks of institute at the California State University, San Bernardino between July 13-24, 2009. Accepted an institute, STARTALK, at UCLA instead

Dr. Charles Becknell
Mentor, McNair Scholar Tim Green
Presenter. African American Student Services Monthly Brown Bag Seminar, *Education and Social Power*. November, 2009
Guest Lecturer. Freshmen Interest Group December 1, 2010.
Presenter. Sharing Best Practices: Culture and Identity. *Africana Studies*. February 2010.
Panelist. UNM Black Graduate and Professional Students and Black Student Union, *Fear of the Black Professor,* February, 2010.
College of Education Advisement Monthly Working
Diversity Postdoctoral Fellows. Office of Equity and Inclusion. 2010.
Dr. Steve Bishop
Conferences
"Faire honte e(s)t faire la revolution", Conseil international d'etudes francophones, New Orleans, June 2009.
"Unsustainable Conflict: Child Soldiers as Cultural Critics:, African Literature Association, Tucson, March 2010.
"Jean-Marie Teno: The Legal Outsider of Cameroonian Cinema", Law and Literature Conference, New York City, April 2010.
"Tuez-les!: les enfants-soldats et l'assassinat des relations traditionnelles", Conseil international d'etudes francophones, Montreal, May
2010.
Committees and Administrative Positions
Member, Athletic Council
Director of European Studies
Undergraduate Director, Department of Foreign Languages & Literatures
French Adviser, Department of Foreign Languages & Literatures
Languages Adviser, Department of Foreign Languages & Literatures
Member, International Studies Institute Executive Committee
Member, UNM Honorary Degree Committee
Member, Advisory Council, Conseil international d'etudes francophones
Member, Editorial Board of UnCut/Voices Press
Member, Editorial Board (African literature) of Etudes francophones
Other Service

Featured Speaker ("How to Succeed in the Classroom"), LobOrientation (15 sessions)
Departmental representative for Africana Studies and Foreign Languages and Literatures, LobOrientation Majors Fair (15 sessions)
Faculty liaison, UNM Women's basketball team
Faculty adviser, UNM lacrosse team
Translated documents for UNM Ski and Track teams (four different students)
Article assessments for Law & Society Review and French Historical Review

Dr. Hugh Horan

Visiting Scholar Summer 2005, Oriental Institute, University of Chicago.
Frequent public speaker for OASIS (lifelong learning network underwritten by Macy's and others), occasional public speaker for Sandia Presbyterian, Newman Center, Congregation Albert.
"First Alternate" for a fellowship to study slavery in the context of the Civil War at the Georgia Historical Society, National Endowment for the Humanities, Summer 2010.

Dr. Jamal Martin

"A Fair & Just Economy: Faith Traditions, Education, Jobs, & Immigration," Albuquerque Interfaith, Institute for Public Life, Albuquerque, NM
"Border Health and Cultural Competence," Office of Cultural Diversity, School of Medicine, University of New Mexico
"Cultural Competence a Social Inoculation: Good for You, Good for Me," New Mexico Health Resources 18th Annual Providers Retreat, Taos, NM
"Workforce Development and Health Equity in the 21st Century," Commencement Speech, Carrington College (formerly Apollo College) Albuquerque, NM
"Refugee Health: Plight of Iraqi Refugees and Anti-Arab Discrimination in America," Center for Rural and Community Behavioral Health, Department of Psychiatry, University of New Mexico
"Wading in the New Waters of Public Health," Session – Global Water Disasters and Environmental Justice", 137th American Public Health Association Conference, Philadelphia, PA
"Globalization and Urban and Rural Safe Drinking Water Disparities in sub-Saharan Africa," Session – Public Health and Social Justice, 137th American Public Health Association Conference, Philadelphia, PA
"Workforce Education-related Health Disparities of Boys: A Public Health Crisis, " Presenter, Governor Bill Richardson's Higher Education Summit, New Mexico Higher Education Department, Albuquerque, NM
"Social Justice: Advocating for Health Equity," Health Equity: Introduction to Public Health for Medical Students, University of New Mexico School of Medicine
"Injury and Health Equity," Native American Health, New Mexico Injury Prevention Coalition, Injury Prevention Symposium, Albuquerque, NM
"Excellence and Equity in Comprehensive School Health Education, Head to Toe Youth & Adolescent Health Conference, New Mexico Department of Health, Albuquerque, NM

Acting Director Alfred Dennis Mathewson

Chair, Faculty Senate Athletic Council
Member, President's Strategic Advisory Team

Dr. Kadeshia Matthews

Panel Presentation. Louisville Conference anon Literature and Culture Since 1900. "Coming of Age: Deconstructing and Reconstructing Black Masculinity in Literature and Film." Topic:

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"From the Hood to the Yard: Black Masculinity and the Promise of the South in Recent Black Film".
KOBTV, *Role of Word Choice in 2010 Census*, January, 2010.
"'Don't you explain me': Unspeakable Anger, Unspeakable Violence in Gayl Jones's Eva's Man." English Department Colloquium. University of New Mexico, December 2009.
"From the 'Hood to the Yard: Black Masculinity and the Promise of the South in Recent Black Film." Coming of Age: Deconstructing and Reconstructing Black Masculinity in Literature and Film Panel, Louisville Conference on Literature and Culture since 1900, February 2010. Panel Organizer and Presenter.
"Black Boy No More? Violence and the Flight from Blackness in Richard Wright's Native Son." Africana Studies Colloquium. University of New Mexico, March 2010.
Organizer, 2010 Africana Studies Colloquium: Elaborating the Africana Studies Intellectual Project. Africana Studies Program. University of New Mexico. Spring 2010.
Curriculum Committee. Africana Studies Program. 2009-2010.

Dr. Sonia Rankin

Presentations
Keynote Speaker, UNM Undergraduate Research and Creativity Conference, *Striving for Excellence in an Atmosphere of Diversity,* April 2010.
Presenter. UNM's Success in the Classroom Conference, *"Reading it Gave Me Information, but Living It Gave Me Understanding": Using Excursions to Enhance the Classroom Experience*, February 2010.
Guest Lecturer, Highland High School, *The Civil Rights Movement in America and New Mexico*, February 2010,
Panelist. UNM Black Graduate and Professional Students and Black Student Union, *Fear of the Black Professor,* February, 2010.
Keynote Speaker, University of New Mexico Art Museum Outstanding Speaker Series, *My Black is Beautiful: The Quest to Change the Representation of Black Women in the Media*, February 2010.
Keynote Speaker, University of New Mexico Students' Health Care Reform Rally, *Role of Student Activism throughout History*, November 2009.
Media Appearances
Holthaus, David, *Procter & Gamble's 'My Black' campaign connects with African-American women*, Cincinnati Sunday Enquirer, July 11, 2010.
"Voices" Radio Program, *"From Pain to Power" – Black Cultural Conference*, 1550 KIVA AM, February 28, 2010
Morning Edition Radio with Elaine Baumgartel, *Why Black History Month?*, 98.1 KUNM FM, February 17, 2010.
Other Service:
Faculty Advisor for Phi Sigma Pi, a national honor society fraternity
Faculty Mentor for Ronald McNair Scholars Program researcher
Active Member of New Mexico Bar and Vice-President of the New Mexico Black Lawyers Association

Dr. Adamasu Shunkuri

Served on Dissertation Committees for Department of Communications and Journalism

AWARDS

Dr. Jamal Martin and Dr. Kathy Powers were honored as the recipient of the 2010 Faculty of Color Award by the Project for New Mexico Graduates of Color.

Professor Alfred Mathewson, the Acting Director received three awards in the 2009-10 academic year.

2010 Keeping the Dream Alive Award, Martin Luther King Multicultural Council – in recognition of efforts to further Dr. Martin Luther King's vision through volunteer and other activities.
2009 Business Lawyer of the Year, State Bar of New Mexico, Business Law Section – in recognition of my work in developing the UNM School of Law Business and Tax Clinic.
1990 Person of the Year, UNM Africana Studies Program – in recognition of becoming the first African American professor to earn tenure in the history of the University of New Mexico

OUTSIDE SPONSORED RESEARCH (include name of sponsor, amount, purpose, of grant, duration)

None

We did not receive grant funding for research. However, the Program has received some support for courses. As noted above, we participated in a U.S. Department of Defense Project Go grant to the UNM Army ROTC. The grant supported Dr. Hugh Horan in teaching Swahili 102 in a course overlapping spring and summer sessions. The grant further supported student immersion travel to Tanzania. Dr. Finnie Coleman, the Director of Africana Studies Program has arranged U.S. Veterans Administration funding for student travel for the course the African Presence in Mexico. Moreover, the Director or Acting Director must annually secure additional funding for Black History Month Programs from sources within and without the University.

ANNUAL REPORT OF THE DEPARTMENT OF AMERICAN STUDIES

COLLEGE OF ARTS AND SCIENCES

July 1, 2009-June 30, 2010

Prepared by Dr. Alex Lubin, Chair

The faculty in American Studies continues to operate as a committee of the whole in setting policy and implementing its curriculum for undergraduate and graduate students. During the 2009-2010 year, Professor Alex Lubin served as Chair of the Department, Professor Vera Norwood served as Graduate Director, and Professor Alyosha Goldstein served as undergraduate Director.

I. Significant Developments

The Department had a very busy year. We conducted a national search for a tenure-track faculty member in Native American Studies. This search attracted a very impressive field of candidates. We were able to successfully hire Dr. Jennifer Denetdale at the rank of Associate Professor. Dr. Denetdale will begin her position in Fall 2010.

The Department honored the career of Dr. Vera Norwood, who retired at the end of Spring 2010. Dr. Norwood built a distinguished career at a scholar, mentor and administrator. She served as Department Chair and Dean of the College of Arts and Sciences. During her tenure as Chair, Dr. Norwood helped build the faculty ranks in the Department, attracting the largest number of new faculty lines in the Department's history. Dr. Norwood also developed an academic concentration around Environment, Science and Technology which drew interdisciplinary resources from across Colleges in the University. Because of Dr. Norwood's outstanding contributions to the Department and our University, she was honored by the faculty as a Professor Emeritus of American Studies.

The Department has begun to work strategically to weather the decline in state appropriations to higher education. As we faced potential cuts, we were able to develop some new revenue streams by developing online courses, building our summer offerings, and scheduling more courses at UNM West. We have also worked to develop private donations to the Department. We are fostering a relationship with Shanghai International Studies University in Shanghai, China, with private donors interested in buiding Ameircan Studies course offerings in China.

The Department successfully competed for Fulbright Scholar in Residence Program grant. Along with the Department of Foreign Languages and Literature, the Department of American Studies will host Algerian/Moroccan author, Kebir Mustapha Ammi, beginning Fall 2011. The Fulbright SIR will contribute to the Department's growing interests in transnational American Studies.

The Department continues to serve as one of the most diverse academic units on campus, and one of the most diverse American Studies graduate programs in the nation. In an incoming class of twelve graduate students, eight self-identity as students of color. Native American and Hispanic graduate students decide to attend our Department because of our faculty strengths as well as our Deparment's participation in the Mellon foundation graduate fellowship program.

II. Significant Plans and Recommendations for the Near Future

The Department continues to work towards achieving its strategic priorities and goals, including: 1) Recruiting faculty, graduate students, and undergraduates of color; 2) Ensuring that the undergraduate and graduate programs train students in all of the areas that are important to the department and that we continue to build on the success of faculty excellence in research and publishing; 3) Recruit faculty as well as students at every level of the department and increase

administrative support staff; 4) Maintain the Department's faculty staffing levels as well as build on our strength in the aras of Environment, Science, and Technology; 5) Build community within the Department, across campus, and outside of the University.

We continue to work with the College to recruit new faculty, particularly in areas we see as central to the University's strategic goals. To this end, we were able to conduct a national search for a scholar in Native American Studies, and were able to hire a visiting Assistant Professor, to fill gap in our curriculum left by Dr. Norwood's retirement.

III. Faculty Appointments

The Department hired Dr. Jennifer Denetdale (Diné) at the rank of Associate Professor. Dr. Denetdale will offer courses in Native American studies. We also appointed Dr. David Correia as a visiting Assistant professor, to offer courses in the area of Environment, Science and Technology.

IV. Separations of Faculty

Dr. Vera Norwood retired at the end of Spring 2010.

V. Summary of Faculty Publications, Research, and Service

Dr. Amy Brandzel

Dr. Brandzel presented at two annual disciplinary conferences this year: the American Studies Association in Washington, D.C. and the National Women's Studies Association, in Atlanta, GA. At NWSA, she gave a talk based on a forthcoming article in *Feminist Studies* titled, "Haunted by Citizenship: Whitenormative Citizen-Subjects and the Uses of History in Women's Studies." Dr. Brandzel continues to work on her monograph, *Against Citizenship: Towards a Queer Politics of the Present.* Dr. Brandzel has joined various university-wide organizations in hopes to participate in addressing public discussion at the University around

fairness and equity in the context of the budget crisis. Half of Dr. Branzel's service is conducted in the Women Studies program, where she holds a .50 appointment.

Dr. Alyosha Goldstein

During the fall, Dr. Goldstein gave public presentations both at UNM and at the American Studies Association annual meeting. He spoke at the *What is Ideology?* forum, organized and sponsored by UNM's Program in Comparative Literature and Cultural Studies in October. The following month he delivered "Anticolonial Affinities and the Conventions of Sovereign Power" as part of a panel he organized for the ASA in Washington, DC. In the spring Dr. Goldstein gave an invited talk in March at the University of California, Berkeley's Department of Geography Colloquium titled, "Suspect Government: Democracy, Colonialism, and the Properties of Anti-Tribalism." In April, at the Organization of American Historians conference, he presented an early draft of what will be a book chapter on "Puerto Rico and the Ends of Decolonization." At the end of May he presented a paper entitled "Sovereign Depositions: Indigenous Internationalism, Human Rights, and the Specificity of the Political" at the annual meeting of the Native American and Indigenous Studies Association. Dr. Goldstein has been invited to participate in a workshop on "Law's Imperial Fields" at the Oñati International Institute for the Sociology of Law in Oñati, Spain in June.

Dr. Laura Gómez

Dr. Gómez has published "What's Race Got To Do With It? Press Coverage of the Latino Electorate in the 2008 Presidential Primary Season" in the *St. John's Journal of Legal Commentary*, Volume 24 (2009), which was a special issue on the 2008 presidential election. She has also served as President of the Law and Society Association, an organization of scholars who study law in its social and cultural context. In that capacity, she has written three

presidential columns for the LSA newsletter: "Haiti in Context: Law, Race and Colonialism." March, 2010; "A Different Kind of Generation Gap." November, 2009; "Reflections on Wise Latinas, Judging and Affirmative Action," August, 2009. Dr. Gómez has presented lectures at Arizona State University and St. Thomas University School of Law (Miami) on her new research on Supreme Court Justice Sotomayor. During Justice Sotomayor's confirmation hearings before the U.S. Senate Judiciary Committee last summer, she co-authored the Hispanic National Bar Association's brief, gave numerous interviews with newspaper and radio reporters, and co-authored two op-eds: "What the 'Wise Latina' Remark Meant," CNN Politics (on-line), July 14, 2010 and "Another Proud Baby of Affirmative Action." USA Today, July 12, 2009. The working title of the new scholarly project is "Color-Blind in One Eye: Media Representations of Justice Sotomayor during the 2009 Confirmation Hearings." With sociologist Nancy López, her co-author and co-director of the Institute for the Study of "Race" and Social Justice, RWJF Center for Health Policy, Laura is working on a number of joint projects and pending extramural funding initiatives.

Dr. Alex Lubin

Dr. Lubin served as Department Chair. He also maintained an active research agenda. He delivered lectures at the Center for American Studies and Research at the American University of Beirut, the Geography Department at UC Berkeley, the Charles Warren History Center at Harvard University, the English Department at the University of Florida, and the Center for American Studies at Shanghai International Studies University. Dr. Lubin chaired a panel on transnational American Studies at the 2009 American Studies Association meeting, held in Washington, D.C. At UNM, he served on the Provost's committee on setting academic priorities, as well as the search committee for the Director of UNM Press. He plans to complete

his book manuscript, *Liberation Geographies: The Orient in the African American Global Imaginary* in the next year.

Dr. A. Gabriel Meléndez

Dr. Melendez is a co-editor and contributor to *Santa Fe Nativa: Anthology of Nuevomexicano Writings* (UNM, 2009). His contribution to the volume includes a preface, a tribute poem to the Rio Grande and the translation of a number of texts about Santa Fe originally published in Spanish. A paper he prepared for ASA 2009 in Albuquerque titled, "Américo Paredes and Angélico Chávez on the Camino Real to Aztlán," will appear this spring in the proceedings of the 6th International Conference on Chicano Literature and Culture, published by the University of Alicante, Spain. Dr. Melendez is the Coordinator of Mellon Fellow Recipients, where he is responsible for mentoring doctoral students from six Arts and Sciences departments. In the Spring, Dr. Melendez attended the 7th International Conference on Chicano Literature and Culture at the University of León. He was part of the plenary titled, "Eusebio Chacón: Prospecting the Landscape of *una literatura nacional* for MeXicanos in the United States," which centers on the writings of Eusebio Chacón (1871-1949), a central figure in the literary-arts movement sponsored by the Spanish-language press in New Mexico and Colorado. Along with Professor Francisco Lomelí, Chair of Spanish and Portuguese at the University of California at Santa Barbara Dr. Melendez is editing "The Eusebio Chacón Reader," a compilation of Chacón writings currently under submission for publication.

Dr. Rebecca Schreiber

In the fall Dr. Schreiber presented "The Circulation of Empathy: Mexican Migrants and the Documentary Structure of Feeling" at the "Feeling Photography" conference held at University of Toronto. An essay length version of this paper will appear in a collection edited by

the organizers of the conference (Elspeth Brown and Thy Phu), which will be published by Duke University Press. She also wrote a paper "Placing Pictures: Oaxaca and Migrants and the Visual Economy of Intimacy" for a panel she organized on "Visual Culture in the Americas" for the ASA's Annual Meeting in Washington, D.C. In the spring she presented a talk "Marking Boundaries: Migrants, Minutemen and the US-Mexico Borderlands" at UC Berkeley, which was jointly sponsored by the Transnational American Studies Working Group in the English Department and the African American Studies Department.

Dr. Michael L. Trujillo

Dr. Trujillo's first monograph, *The Land of Disenchantment: Latina/o Identities and Transformations in Northern New Mexico* was released by the University of New Mexico Press in February 2010. This spring, UCLA's Chicano Studies Research Center Press nominated Dr. Trujillo's article "Oñate's Foot" for the Aztlán article for the 2010 Latin American Studies Association Article Award. Dr. Trujillo serves on the Mellon Doctoral Student Fellowship committee, as well as the provide service through his appointment in Chicano Studies.

Gerald Vizenor

Vizenor published the following books, essays and short stories during 2009-2010:

- *Interior Landscapes: Autobiographical Myths and Metaphors*, Second Edition, State University of New York Press, 2009.
- *Native Liberty: Natural Reason and Cultural Sovereignty*, selected essays, University of Nebraska Press, 2009.
- *Quasi En Terra*, Catalan translation of *Almost Ashore* by Carme Manuel Cuenca, Editorial Denes, Poesia Edicions De La Guerra, València, Spain, 2009.
- *Native Storiers: Five Selections*, edited with an introduction, University of Nebraska Press, 2009.
- "Panic Portage," short story in *Pow Wow: Charting the Fault Lines in the American Experience*, edited by Ishmael Reed, Da Capo Press, 2009.
- "Bradlarian Baroque: The Narrative Art of David Bradley," Signature Essay in Exhibition Catalogue, *David Bradley: Restless Native, the Journey*, Nicolaysen Art Museum, Casper, Wyoming, 2009.

Vizenor presented his work at the following conferences:

- "Genome Survivance," Keynote Lecture, "Biomapping or Biocolonizing? Indigenous Identities and Scientific Research," international conference, University of Savoie, Chambéry, France, January, 2010.
- "Shrouds of White Earth," Reading, and public discussion of the novel with Deborah Madsen, Galerie Orenda, Paris, January, 2010.
- "Father Meme and Survivance," Keynote Lecture, University of New Mexico, Gallop Campus, October 2009.
- "American Indian Literature: Survivance and Tragic Wisdom," Seminar Lecture, *Que peut encore l'art? What Can Art Still Do?* UNESCO, Secteur de la culture, Paris, France, June 25, 26, 2009.
- "Literature of Gerald Vizenor," Conference Panel Respondent, Native American and Indigenous Studies Association, University of Minnesota, May 23, 2009.
- "Constitution of the White Earth Nation," Keynote Conference Lecture, University of Illinois, Champaign-Urbana, April 17, 2009.
- "Survivance Narratives: Native American Literature of Resistance," Lecture at the Universitat Jaume, Castelló, Spain, February 2009.
- "Native American Narratives," Lecture at the Universitat de Valéncia, Spain, February 2009.
- "Poetry Reading," Bilingual Readings of *Quasi En Terra* and *Almost Ashore*, Universitat de Valéncia, Spain, February 2009.
- "Native American Literature and Critical Narratives," Keynote Lecture and Seminar Discussion, Geneva Native Studies Masterclass, University of Geneva, Switzerland, March 2009.
- "White Earth Reservation Constitution," Special Lecture and Discussion, Faculty Research Seminar, Clare Hall, Clare College, Cambridge University, England, March 2009.

Vizenor also serves as a Delegate and Principal Writer, for theWhite Earth Reservation Constitutional Convention, Minnesota Chippewa Tribe. He prepared the proposed constitution for ratification, 2008, 2009. Vizenor serves as Series Editor for Native Traces, State University of New York Press. He is also the Series Editor for Native Storiers: A Series of American Narratives, University of Nebraska Press. He continues to serve on the faculty editorial committee forUniversity of New Mexico Press.

Anthropology Annual Report
July 2009-June 2010
Submitted by: Michael Graves, Department Chair;
Jennifer George, Department Administrator

DEPARTMENT OF ANTHROPOLOGY

College of Arts and Sciences

University of New Mexico

ANNUAL REPORT

JULY 1, 2009-JUNE 30, 2010

Prepared by:
Jennifer George
Department Administrator and
Michael Graves, Department Chair

November 5, 2010

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Anthropology Annual Report
July 2009-June 2010
Submitted by: Michael Graves, Department Chair;
Jennifer George, Department Administrator

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2009-JUNE 30, 2010

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Anthropology Annual Report
July 2009-June 2010
Submitted by: Michael Graves, Department Chair;
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DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2009-JUNE 30, 2010

Significant Developments during the Academic Year 2009-2010

Anthropology is the most inclusive discipline in the arts and sciences encompassing the breadth of interests studied in the humanities, social and natural sciences. The field is a microcosm of disciplinary diversity encompassing much of the human experience. Anthropologists do this by virtue of the long time depth (in the millions of years), geographic span (the entire planet), and variety of peoples and environments studied.

The three subfields of **Archaeology**, **Ethnology**, and **Evolutionary Anthropology** provide the organizational structure by which Anthropology's breadth is expressed at the University of New Mexico. UNM Anthropologists share a common goal of assessing and refining ideas about human culture and biology in view of their roles within the discipline.

Simultaneously, these subfields encompass a variety of perspectives and methods through which the lens of culture is applied to human diversity and change in the past, present and future. This diversity strengthens the discipline providing anthropologists with several different frameworks for their studies. The Department shares a tradition of empirically based field and laboratory work across Archaeology, Ethnology, and Evolutionary Anthropology that enlivens research, reinforces commitments to diversity, and provides opportunities for students to learn in realistic settings.

The Department's subfields have identified a set of theories and methods by which its faculty will prepare students to assume their duties as citizens and to pursue professional careers. These include, among others, political economy, evolutionary, historical ecology, and critical theory approaches to anthropological data. Each subfield faculty has identified core issues and topics within which they will concentrate their efforts. There are also a number of points of articulation across the subfields (and with other disciplines) where, for the purposes of student training and faculty research, the Department will seek to reinforce studies and potential collaborations. Areas of overlap include advancing public anthropology through the Alfonso Ortiz Center; describing the interactions of land use and water and resource distributions on human communities and natural environments; studying bio-cultural evolutionary outcomes involved in different economic, social, and demographic conditions; and furthering the understanding of the transmission and expression of culture through art, music, craft, tradition, and performance. Anthropology at UNM makes good use of its geographic location—in the culturally diverse American Southwest and near an international border—to concentrate on the indigenous and Hispanic cultures of the Americas and Europe, plus areas of the Pacific and Africa.

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Jennifer George, Department Administrator

Variety and breadth of approaches, focus and emphasis on key topics, a critical examination of the human condition past, present, and future, and regional strengths, define the characteristics of Anthropology at the University of New Mexico. These constitute a collective and dynamic vision that embraces diversity.

DEPARTMENT ACTIVITY BY SUBFIELD

Subfields

The Department maintains graduate and undergraduate programs in three subfields: Archaeology, Ethnology, and Evolutionary Anthropology. Conveners (annually elected by the subfield) call subfield meetings at least monthly.

Advisory Group

A group of senior faculty members meet regularly during the academic year to advise the Chair on matters relating to personnel, administration, and budget; make recommendations about related planning, policy, procedures, and other issues for discussion and vote by full faculty. The Advisory Group is a liaison between the Chair and the subfields and programs.

Archaeology

Focus Archaeology at UNM is a national and international leader in archeological theory and practice.. Archaeology's mission is to build on existing strengths, which include unusual depth and breadth of faculty, all of whom have active, funded projects involving student researchers in the Americas, Western Europe, and in the Pacific.

Strengths Archaeologists contribute to the comparative study of agriculturally based societies and of the development of both early and more recent complex societies, often in fragile physical environments in both the New and Old Worlds and including consequential questions of culture contact. UNM Archaeology is known for its research on prehistoric foraging systems including colonization and subsequent cultural changes under both Pleistocene and early to late Holocene environmental conditions. All archaeologists are involved in on-going research on human interactions with diverse environments and adaptations to change, both cultural and non-cultural. The Archaeology program includes cutting edge field techniques and laboratory analyses. Students receive training in historical and evolutionary ecology; lithic and ceramic technology; archaeological unit definition and construction; interpretation of prehistoric style and identity; paleo-environmental reconstruction; and the study of past belief systems.

Educational Programs Undergraduates in Archaeology are taught broadly in theory, method, and the archaeological records of various world culture areas, and are afforded the opportunity to participate in research through our field schools, laboratories, and other research sites in New Mexico and elsewhere. The graduate program provides intensive education in archaeological theory and training in the methods of field and laboratory research.

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Articulation Archaeology is committed to linking its focus, strengths, and educational objectives with both Ethnology and Evolutionary Anthropology. Some points of intra-departmental articulation include contemporary and historical studies of: the political economy and challenges faced by societies and peoples of the Greater Southwest, as well as Latin America and Iberia; behavioral strategies among foraging groups and cross-disciplinary paleo-anthropology; behavioral and evolutionary ecology applications; public and community anthropology; and the material expression of cultural identity and transmission.

The Archaeology program has major areas of cross-disciplinary collaboration, including research and teaching with geologists, geospatial analysts, biologists, paleo-ecologists, soil scientists, demographers, modelers, and material scientists, at UNM and other institutions worldwide.

Faculty
The Archaeology faculty consists of 9 regular faculty members: 2 distinguished professors (Crown, Straus), 3 full professors (Dixon, Graves, and Wills), 3 associate professors (Boone, Hayashida, Ramenofsky), and 1 assistant professor (Prufer). There are 4 participating research faculty from the Maxwell Musem (Chapman, Hogan, Huckell, Phillips). Dr Ann Ramenofsky, Associate Professor, retired in June 2010. Prufer was promoted to associate professor and Boone to full professor in July 2010.

Research and Outreach Projects
The Chaco Stratigraphy Project Patricia Crown and Wirt Wills continued their archeological fieldwork at Chaco Culture National Historic Park in NM, with funding from the National Park Service. Together with 6 UNM graduate students and 2 undergraduates, they conducted site survey from May 24-June 18, 2010 and will continue with a second field session in October. Fieldwork was coordinated with an airborne lidar scan of the canyon funded by a National Science Foundation award to graduate student Wetherbee Dorshaw.

Ice Patch Archeology James Dixon received two grants for his ongoing research in central Alaska: one each from the National Science Foundation for "Ice Patch Archeology" and from the National Park Service for "Lake Clark Ice Patch Archeology". This funding supports 4 Anthropology PhD students: Kelley Monteleone, Michael Grooms, Nicholas Jarman, and Mark Williams who were in the field during the summer.

Ynalche Archeological Project in Peru Frances Hayashida is in the analytical phase of the Ynalche Archeological Project in Peru; soil, botanical metallurgical and radiocarbon sample taken during 2008-2008 fieldwork are currently being analyzed by collaborators at the Universidad Peruana Cayetano Heredia, Technische Universitat Munchen, Arizona State University and the Universities of Missouri, South Carolina, Arizona and Washington.

Hidden Ridge Middle Archaic Site Bruce Huckell did two weeks of test excavations at the Hidden Ridge Middle Archaic site (^{14}C-dated 3500-5500 BP) in the Tonto National Forest, Arizona, funded by the National Park Service and involving two UNM graduate students in both the field and subsequent analytical components.

UNM Southwest Archaeological Field School Bruce Huckell directed the UNM Archeological Field School at Deann's Folsom site on the Albuquerque West Mesa for 6 weeks of excavations and survey, funded by UNM and student fees. This involved 15 UNM students and an APS middle school teacher. Finally he did a week of excavation with three UNM graduate students at the Beach Clovis Cache in North Dakota, funded by the Maxwell Museum.

Uxbenka Archaeological Project Keith Prufer directed 4.5 months of field work at the Uxbenka Maya site in Belize, supported by the National Science Foundation and the Alphawood Foundation and involving two undergraduates (funded by NSF REU grants) and four UNM graduate students. Ongoing analytical research involves collaboration with the UNM radiogenic isotope lab, the Swiss Federal Technical Institute, the University of Oregon Archaeometry Facility, the University of California (Irvine) Keck AMS Facility, and Bruckner Scientific.

El Miron Cave (Cantabria, Spain) Lawrence Straus, together with his Spanish co-director, completed their 14th season of excavations in El Miron Cave (Cantabria, Spain), excavating in Solutrean and Lower Magdalenian levels ^{14}C-dated between 19,500 and 15,500 BP. In the latter they discovered the first human burial from the Magdalenian period ever to have been found in the Iberian Peninsula. The research was funded this year by the Fund for Stone Age Research (whose main contributors are Jean & Ray Auel) and the Regional Government of Cantabria and involved 3 UNM graduate students and 1 undergraduate. Analyses of materials from the site are underway in labs throughout Europe, as well as at UNM and the University of Georgia.

Hawaii Archaeological Research Project (Kohala, Hawai'i Island) Michael Graves continued his National Endowment for the Humanities funded research project in the District of Kohala on Hawai'i Island. This work involves the integration of remote sensing, survey and mapping, and excavations of irrigated agricultural features in the smaller valleys and ridge tops in the eastern portion of the District. In January, Graves was joined by two undergraduates and four graduate students from UNM for a fieldwork program focused on the area of Waiapuka.

PhD Alumni Professional Appointments

- Heather Richards-Rissetto, PhD 2009, Post-doctoral Research Associate, HUMlab and Department of Historical, Philosophical and Religious Studies, Umeå University, Umeå, Sweden

Ethnology

Focus The Ethnology Program supports inquiry into sociocultural perspectives, the anthropology of language, and public anthropology. Key interests include art and visual culture, cultural revitalization, historical consciousness, language and communication, politics of identity, ritual, and tourism. There is a focus on cultural resurgence and globalization in the Americas, primarily the US Southwest and Latin America.

Strengths Ethnological studies, which emphasize working with participant communities, include: the transformation of cultural and linguistic heritages; identities (racial, ethnic,

indigenous, religious, and gendered); inequalities and the social movements that address them (indigenous rights, human rights, democracy movements, access to health and legal rights); land, water and the politics of place; narrative and memory; expressive culture and cultural poetics; and media and representation.

Educational Programs Ethnology offers a broad liberal arts education in the understanding and appreciation of human cultural and linguistic diversity with regional strengths in the Americas, especially the Southwest and Latin America. Graduate and undergraduate students build a foundation for careers in a global, transnational world. Their training at all levels (BA through PhD) prepares them to research issues that confront local, national and international communities and governing bodies with respect to conflict, identity, inequality, development and cultural representation. It emphasizes rigorous and theoretically diverse approaches to sociocultural phenomena, the development of strong writing skills, and the use of a broad range of research methods including interviewing, life-history, video and photographic documentation, and participant observation.

Articulation Ethnology's areas of specialization set the anthropological agenda for larger disciplinary conversations about ethnicity and race, health, the use of resources, systems of inequality, culture history, and the material manifestations of expressive culture. Work in the US Southwest and Latin America complements that of the Archaeology subfield, particularly with respect to the study and analysis of material culture, ritual theory, sociocultural theory, place and space, intellectual and cultural property rights, cultural resource management, and the representation of indigenous peoples in media, museum and public culture. Ethnology, Archaeology and Evolutionary Anthropology also share a focus on human knowledge and management of ecology and environment through history and cross-culturally as well as the dynamically changing manifestations of human diversity.

Faculty

The Ethnology faculty consists of 9 regular faculty members: 1 distinguished professor (Feld who has a one-half time appointment), 3 full professors (Field, Rodríguez, Weigle), 4 associate professors (Dinwoodie, Gorbet, Oakdale, and Singer who is half time in Anthropology), and 1 assistant professor (Brulotte). Dr. Sylvia Rodriguez, Professor and Director of the Ortiz Center, retired in June 2010. The program successfully recruited a new tenure track Assistant Professor, Dr. Erin Debenport who earned her PhD at the University of Chicago and has received post-doctoral appointments at UCLA and the School for Advanced Research.

Peace Studies

In January 2010 Professor Les Field was named the Director of Peace Studies, an inter-disciplinary program in Arts and Sciences that is housed in and administered by the Anthropology Department. Peace Studies maintains a presence on campus committed to promoting peace through scholarship.

In Spring 2010 Peace Studies made major strides in organizing and promoting its curriculum when it was awarded its own catalogue and scheduling designation: PCST. Now Peace Studies

classes can appear cross-listed with other departments under its own designation and enumeration.

With co-sponsorship from the Ethnology subfield and the American Studies Department, during Spring 2010 Peace Studies organized a field school which will be launched in May 2011. It will bring up to 20 students to the West Bank, Palestine, for a study tour that will be based in a refugee camp outside of Bethlehem. Included will be interviews with Palestinian villagers and activists, photo and video documentation projects, and trips to several areas and towns.

PhD Alumni Professional Appointments

- Jill Ahlberg, PhD 2008, Adjunct Assistant Professor, Franklin and Marshall College
- Adriana Ramirez del Arellano, PhD 2008, Post-Doctoral Fellow, UNM-Mellon Foundation Program, University of New Mexico, Albuquerque, NM
- Sara Jamieson, PhD 2009, Part-Time Instructor of Cultural Anthropology, University of Colorado Boulder;
- Laverty, Philip, PhD 2010, Senior Benefits Analyst, U.S. Department of Defense

Evolutionary Anthropology

Focus Evolutionary Anthropology at UNM takes a broad, synthetic approach to understanding the interrelated effects of human biology and behavior in an evolutionary and cultural framework. Because of this perspective, faculty members are recognized for their research nationally and internationally and the program is highly competitive in attracting and placing graduate students. Evolutionary Anthropology faculty make use of systematic comparisons of the behavior, physiology, anatomy and genetics of great apes, human ancestors and living humans (with an emphasis on modern foragers and small scale societies) in order to understand the process of human evolution and the specific selection pressures that shaped the unique traits that characterize our species.

Educational Program Evolutionary Anthropology offers an educational experience recognized for its high quality, serving the needs of a general education curriculum, anthropology concentrators and graduate education. Faculty employ novel teaching methods and technologies to help students understand how and why anthropologists apply an evolutionary perspective to study the nature, causes and implications of human biological variation. Training prepares students for citizenship today with the ability to analyze the complex nature of global, national and local issues. It also provides knowledge of theory, data and methods in evolutionary anthropology to facilitate entry into graduate school or NGO employment in development, health, and social programs.

The Evolutionary Anthropology graduate program provides an in-depth education in the theory, methods and data used to test hypotheses about the nature, evolutionary causes, and scientific and social implications of human biological and behavioral variation. Areas of specialization

include human behavioral ecology, life history theory, non-human primate behavior, paleo-anthropology, human biology and genetic anthropology. The Evolutionary Anthropology graduate program is uniquely configured with a focus on theoretical models based on evolutionary theory, testable predictions using empirical data sets, and high level training in skills. Faculty members place high priority in teaching each student a professional-level configuration of skills that is identified as most appropriate for the chosen dissertation project and career trajectory; such as analytic design and data analysis, endocrinology, or analysis of genetic, isotopic, geological or skeletal data.

Articulation Evolutionary Anthropology has a strong relationship with several archaeology faculty members whose research is informed by human behavioral ecology. These archaeologists are informally affiliated and collaborate in graduate training and research projects. The recent establishment of the Center for Human Evolutionary Science (CHES) formalizes a collaboration that has been in place for the last decade among Evolutionary Anthropology faculty and members of Biology and Psychology on the evolution of human behavior including shared curricula and graduate students. Current activity is focused on obtaining a training grant that would support graduate students, post doctoral fellows and research initiatives of new faculty. Evolutionary Anthropology shares with Ethnology a focus on the global problems of the 21st Century: fertility and population growth, limits on energy and food supply, global epidemics and modern, aging and degenerative diseases, intergroup conflict and genocide, and environmental protection and regeneration. Such global issues are complex problems requiring multiple approaches and interdisciplinary collaborative research. Promising collaborations include evolutionary medicine, public health and medical anthropology.

Faculty

Evolutionary Anthropology was established as subfield in UNM's Department of Anthropology in 2008 and was formed by joining the faculty of Biological Anthropology with Human Evolutionary Ecology. The subfield has a total of 9 participating faculty, including 3 full professors (Kaplan, Lancaster, Long), 2 associate professors (Pearson, Powell) and 4 assistant professors (Edgar, Hunley, Muller, Nelson) well as 1 research assistant professor. Edgar who had had been a research assistant professor joined the Department as a regular tenure track appointee in 2010.

During the year Osbjorn Pearson, Associate Professor of Anthropology in Evolutionary Anthropology was honored to be selected as Regents Lecturer for the 2010-2011 academic year. The Evolutionary Anthropology subfield also played the role of local hosts for three important meetings in Albuquerque: The annual meetings of the Human Biology Association and the American Association of Physical Anthropologists in March 2010 and the workshop, Pygmy Hunter-Gatherers and Horticulturalist Farmers in the Congo Basin, UNM Campus, February 2010.

The Hominoid Reproductive Ecology Laboratory, University of New Mexico

The Hominoid Reproductive Ecology Laboratory was established in 2008 with co-directors Drs. Martin Muller and Melissa Emery Thompson. The laboratory focuses on analysis of biomarkers of stress, reproductive function, and health, and has a particular emphasis on non-invasive

methods that allow comparisons across great apes. Our central work concerns the endocrinology of chimpanzees in the Kibale National Park in Uganda, a project for which we are currently funded by the Leakey Foundation and the National Science Foundation for studies of social and energetic stress. We are also working under a second National Science Foundation grant to study the energetics of reproduction in several populations of wild orangutans. During the year, we participated in collaborative research efforts on the reproductive health and relationship status with Dr. Steven Gangestad in UNM Psychology, on physiological correlates of risk-taking behavior with Dr. Joshua Tybur of the UNM Center on Alcoholism, Substance Abuse, and Addiction, and on the biodemography of aging in the Tsimane hunter-gatherer population with Dr. Hillard Kaplan. Collaborations outside UNM included research on feeding ecology and energetic condition in wild bonobos in collaboration with colleagues at Harvard University, and preliminary studies of energetic biomarkers in owl monkeys from the Dumond Conservancy (with Dr. Eduardo Fernandez-Duque at U Penn) and wild capuchin monkeys (with PhD student Mackenzie Bergstrom from U Calgary). The lab is also a resource for graduate and undergraduate student training in laboratory methods. Evolutionary Anthropology graduate student Erin Fitzgerald received extensive training in the laboratory during two independent research courses, and undergraduate student Kamden Cornell is initiating a laboratory-based study of the physiological correlates of risky behavior in chimpanzees.

The Kibale Chimpanzee Project, Uganda

This project is a long-term study (22+ years) focusing on the behavioral ecology and health of wild chimpanzees in the Kanyawara community of Kibale National Park, Uganda. Dr. Martin Muller is co-director of KCP, and Dr. Melissa Emery Thompson is a senior researcher with the project. KCP is currently funded by grants to UNM from the LSB Leakey Foundation and the US National Science Foundation. One UNM graduate student (Jenny Cabotage) spent the summer in Kibale collecting pilot data to develop a dissertation research project.

The Primate Enrichment Program, Rio Grande Zoo, Albuquerque

This program has been in existence since December of 2002. Initially designed to provide enrichment to all of the primates at the zoo, including ape species (Gorillas, Chimpanzees, Orangutans, and Siamangs) as well as monkey species (multiple species of Tamarins, Spider Monkeys, Capuchin Monkeys, Howler Monkeys, Wolf's Guenons, DeBrazza's Monkeys, and several species of Lorises), the program has now grown to include Cats and Carnivores, Polar Bears, and singly housed bird species (including Parrots, Cockatoos, Crows, Ravens, and Macaws). In addition to providing valuable cognitive stimulation to these species, the program has also provided quantifiable data on how the enrichment program has benefited the animals. For example, the polar bears had over 150 hours of baseline data collected before the program began providing enrichment for them. During this time stereotypical behaviors occupied more than 40% of their activity budget. The implementation of enrichment has dropped these undesirable behaviors down to less than 15% of their activity budget, while increasing investigative and play behaviors. A similar approach ltook place this past summer with the seals and sea lions, with enrichment scheduled to start in the fall. Additionally, the program has led to full time employment with the zoo for four of the students that volunteered with the program.

Tsimane Research Project, Bolivia

Dr. Hillard Kaplan continued his research in Bolivia with a bridge grant to continue the Tsimane Research project. With Co-PI, Michael Gurven, former UNM graduate and Associate Professor at UCSB, he has obtained a new five-year grant from the NIA to continue the Tsimane research. Four new proposals to develop new laboratory methods, to conduct research on cardiovascular disease, and to conduct research training in Bolivia have also been submitted this fall. The Tsimane research has already produced four dissertations (three from UNM) with four more to follow this coming year.

Orthodontic Web-Based Archive, United States
Dr. Heather Edgar is Principal Investigator on the National Institutes of Health Funded —Web-Based Library of Orthodontic Cases along with co-PIs, Drs. Phillip Kroth, Assistant Director of Health Sciences Informatics Program Development and Edward Harris, University of Tennessee Health Sciences Center. The grant provides $413,000 to create an on-line archive of Orthodontic cases that demonstrate the range of ethnic and individual variation in tooth shapes and occlusion health professionals are likely to encounter.

The Cultural and Biological Significance of Ethnic Substructure in New Mexican Hispanics
This project, which was initially funded by a UNM RAC grant and by the NSF in AY 2009, is a collaborative effort between two subfield faculty, Keith Hunley and Heather Edgar. The research represents a first step in understanding how New Mexicans of Spanish-speaking descent have developed as a result of interactions between history, culture, phenotype, and genetics. Currently the project is enrolling subjects, and supports one undergraduate and two graduate students.

PhD Alumni Professional Appointments

- John Steiglitz, Post-Doctoral Fellow, Department of Anthropology, University of New Mexico

Department Committees

Graduate: The committee oversees all graduate student matters, including curriculum, scheduling, allocation of GA/TA/RAships and Department-wide scholarships and fellowships, outcomes assessment and nominations for various UNM scholarships and awards. The Coordinator of Graduate Program Advisement is also a committee member.

Undergraduate: The committee oversees all undergraduate matters, including curriculum, scheduling, 101, outcomes assessment and advising. The Coordinator of Undergraduate Education Support is also a committee member.

Instructional Resources: The committee meets annually in September and periodically as needed to coordinate and oversee all matters related to the instructional use of computers, media, renewable and permanent laboratory supplies, and field equipment. It maintains an inventory of current resources and reviews and makes recommendations on all equipment expenditures (laboratory, computer, field, etc.). In consultation with the Graduate and Undergraduate Committees, the Instructional Resources Committee develops a comprehensive, visionary, long-

and short-term plan for instructional programs. This plan helps inform Department grants, equipment requests, policy and future directions. The Department Administrator and the User Support Analyst II are also committee members.

Space Committee: Established by Chair Graves in Fall 2007 to assume responsibilities for "the allocation and use of space" from the Instructional Resources Committee, the Space Committee is chaired by a member of the Advisory Group and has representatives from each of the other subfields. The committee coordinates and oversees all matters related to the allocation and use of space. It makes recommendations on office and laboratory use and prepares proposals for minor and major capital improvements. The Department Administrator is also a committee member.

Post-Tenure and Salary Review: Three senior faculty members evaluate and rank each tenure-track faculty member's calendar-year record of teaching, scholarly work and service for the Chair's use in post-tenure reviews and salary decisions. The Department adopted a "Merit/Productivity Scoring System" in October 1994 and this has been modified at various times since. Post-tenure review was instituted in 1996-97. Before 2007 the Post Tenure Faculty Evaluation Committee was elected by the faculty. Membership now rotates with one person appointed and one dropped each year.

Annual Review, Mid-Probationary Review, Tenure and/or Promotion Review: These committees are appointed annually or periodically as appropriate.

Non-Tenure-Track Faculty Review: Three tenured faculty members conduct annual, academic-year reviews of each continuing non-tenure-track faculty member (Lecturer III, Research, Adjunct) for the Chair's use. The Associate/Assistant Chair chairs the committee. This was a new committee in Spring 2008.

Student Committees

Anthropology Graduate Student Union (AGSU): AGSU represents the Department's graduate students in the Department and on campus in order to promote their academic, professional and social interests. It meets monthly as needed. There is representation from AGSU at faculty meetings, on some faculty review and hiring committees, and in the University-wide Graduate and Professional Student Association (GPSA), an independent service organization established in 1969 to serve all part-time and full-time graduate students. The GPSA budget comes from student fees. It supports various campus organizations and through its Student Research Allocation Committee (SRAC) funds student research projects (thesis and dissertation) and travel to research-associate conferences.

2010 AGSU Symposium

The University of New Mexico's Anthropology Graduate Student Union held its 14th annual Graduate Research Symposium March 25th-27th, 2010. The symposium was advertised across disciplines at UNM, and both undergraduate and graduate students from the University Honors

Program, History, English, and Biology participated as well as students from all subfields of the Anthropology program. The symposium started Thursday evening with the Kennedy Award Lecture titled "Women's Toolkits: Technological Organization, Proscriptions and Motor Skills", given by UNM Anthropology PhD Candidate (archaeology) Susan Ruth. Friday evening began with the Butler Award Lecture by UNM Anthropology PhD Candidate (ethnology) Jara Carrington titled "Love Exiles: Binational Same Sex Couples and National Belonging in the United States" and was followed by the undergraduate and graduate student poster presentation. Friday evening ended with a special guest lecture by T.J. Ferguson, titled "Tribal Heritage Management: Emerging Trends in the Production of Knowledge". Ferguson owns and operates Anthropological Research LLC, a research company in Tucson, Arizona, where he is also a Professor of Practice in the Department of Anthropology at the University of Arizona. Saturday morning began with a "roundtable" discussion entitled "Anthropology in the Public Eye". Following the roundtable discussion, undergraduate and graduate research presentations were given for the remainder of the day. In the evening, the symposium's final event was the keynote speech, given by Dr. Barbara J. Mills, titled "The Archaeology of Social Networks in the Prehispanic Southwest". Mills is the Director of the School of Anthropology, Curator of Archaeology (ASM), and Professor of American Indian Studies at the University of Arizona.

Undergraduate Anthropology Society (UAS): UAS is open to all students regardless of concentration. Students join by being added to the UAS e-mail list. Its purpose is to promote the study, appreciation and advancement of anthropology as the science that studies humankind in all of its aspects and to foster the use of anthropological knowledge in addressing human problems and conditions. UAS encourages a multidiscipline academic approach as well as involvement in the campus and surrounding communities.

Hibben Allocation Committee

Since 2004 the Frank C. Hibben Charitable Trust has donated nearly $1,000,000 to UNM in support of Anthropology and Native American Students in the Department, the Museum and the College of Arts and Sciences. Another $156,000 will be donated in 2009-10. The Hibben Allocation Committee is chaired by the Museum Director with the Department Chair, the Dean (or designee), the Provost/Vice President for Academic Affairs (or designee) and the President (or designee) as members. The committee makes recommendations to the Trust each year on the following year's funding level and distribution for graduate student support in Anthropology. Recipients are designated annually by the Hibben Selection Committee, the Graduate Committee and one representative from the Museum appointed by the Director. Michael Graves prepared an assessment of all of the Hibben awardees to date, summarizing the students' progress towards completion of the MA and PhD.

Joint Standing Committees

Board of Archaeologists: The Board of Archaeologists is made up of Archaeology subfield faculty, the director and associate director of the Office of Contract Archeology, and the director and archaeological curators of the Maxwell Museum of Anthropology. Constituted by UNM President William E. Davis in 1979, the Board is authorized to represent the University in

implementing and enforcing policy governing archaeological research on University lands in order to assure that University cultural resources are utilized in the most conservative and productive manner possible and to insure that information and data recovered from University cultural resources are preserved for future research. It is also charged to play a helpful role in furthering the quality of archaeological research and to make recommendations concerning permission to conduct archaeological research on University lands. The most prominent University-owned archaeological properties include the Kuaua Site presently administered by New Mexico State Monuments as the Coronado Monument, the Paa-ko Site (LA 162), and the Pottery Mound Site (LA 416). Until recently the University also owned the 9550-acre Cañada de Cochiti Grant, commonly known as the Jim Young Ranch tract, which contains over a thousand prehistoric and historical archaeological sites.

Clark Field Archive & Library (CFAL) Policy Committee: In 2007 Clark Field Archive & Library is housed in the Anthropology Building and jointly operated by the Department, Maxwell Museum and the Maxwell Museum Association (MMA) with oversight by the Policy Committee, which has representation from each of the three units. Almost all of its collections of about 12,000 books and over 25 active journal titles have been donated, with the exception of most of the journal subscriptions which are supported by the MMA and proceeds from the annual book fair. CFAL houses a complete collection of Department doctoral dissertations and masters' theses, and an extensive collection of reprints. About half of these collections are unique on the UNM campus; the books and journals are catalogued on Libros, UNM's computerized system. It also serves as a repository for field notes and records that have been donated to the Museum by faculty and associates. The main source of CFAL funding is the MMA's annual Albuquerque Antiquarian Book Fair, the oldest and largest such event in the state, usually held during the first full weekend in April.

Convocation

The 12th Annual Departmental Convocation took place on Saturday, May 15, 2010 in Anthropology Lecture Hall 163 at 1:00 pm. Convocation was hosted by Dr. Michael Graves, Chair. Our special guest speaker was Dr. Lynne Sebastian, Director of Historic Preservation Programs at the Southwest Research Institute. Dr. Les Field presented the Bachelor of Arts and Bachelor of Science degrees, while Dr. Suzanne Oakdale presented the Master of Arts, Master of Science and Doctor of Philosophy degrees. She also presented the departmental awards. We held a reception for graduates and their guests on the front lawn of the Department following the convocation. Additional information regarding degrees and departmental awards can be found under the Graduates and Student Fellowships and Awards sections in this report.

Fundraising

Endowments

As was the case with most investments in 2009, the UNM Foundation reported reduced endowments. Fortunately, the Foundation maintained its level of payout to the endowment spending accounts for the year. A new fund, the Ann Ramenofsky Honors Scholarship was established in 2010 with an endowment of $15,000, much of it raised by Dr. Ramenofsky but

also with significant contributions from faculty and staff in the Department. Michael Graves has established an endowment, named in honor of is mother, Maxine Graves that will grow to $15,000 by 2012 and be used in support of undergraduate majors in Anthropology.

Anthropology Endowments, UNM Foundation	**6/30/2008**	**6/30/2009**
Karl Schwerin Fellowship	$17,194	$13,563
Frieda Butler Scholarship	$14,787	$11,664
Ann Ramenofsky Scholarship		
Helen McKaig Sphuler Scholarship	$380,348	$300,017
MacCaulley Scholarship	$23,151	$17,318
Anthropology Graduate Student Support	$61,552	$46,843
Broilo-Basehart Memorial Scholarship	$17,475	$12,998
NM Folklore Scholarship	$14,541	$10,815
Ortiz-Lamphere Policy Fellowship	$248,819	$196,774
Ortiz NEH Endowment	$280,072	$220,920
Ortiz General Endowment	$441,080	$349,263
Ortiz-NM Matching Endowment		$50,000
Snead-Wertheim	$93,370	$73,650
David Stuart Graduate Scholarship	$36,013	$28,685
	$1,628,402	**$1,332,510**

Student and Faculty Support

Other UNM Foundation funds include those to support the activities of the Department (Anthropology Fund), undergraduate scholarships and awards (John C. Campbell Research and Alfonso Ortiz Indigenous Undergraduate funds), graduate fellowships (Frank C. Hibben Trust fund), and faculty research (Stone Age Research, TIDES, and Lamphere funds). The Alphawood Foundation of Chicago now provides support for the archaeological field research of Keith Prufer in Belize.

Clark Field Archive

The Clark Field Archive & Library (CFAL) is jointly operated by the UNM Department of Anthropology, the Maxwell Museum, and the Maxwell Museum Association (MMA). CFAL collections encompass about 12,000 books and monographs, and over 110 journal titles. It also houses a complete collection of PhD dissertations and master's theses from the Anthropology Department, and an extensive collection of reprints. All these materials deal with anthropological subjects and serve the entire UNM anthropology community, including the Anthropology Department, Maxwell Museum and its Association, and the Office of Contract Archaeology.

Many of the materials housed in the Clark Field Archive have been donated by Department of Anthropology faculty over the years.

Almost all of CFAL's materials have been donated, with the exception of a couple dozen journal subscriptions supported by the MMA and proceeds from the annual book fair. About half the CFAL's collections are unique on the UNM campus, and many are unique in the state. CFAL collections are cataloged on LIBROS, UNM's computerized system. The catalog may be accessed at almost any computer on campus and via the Internet.

The MMA's annual Albuquerque Antiquarian Book Fair is the main source of funding for the Clark Field Archive, and is the oldest and largest such event in the state. The book fair is usually scheduled during the first full weekend in April.

Ortiz Center for Intercultural Studies

Administration and Finance
In partnership with the Anthropology Department the Ortiz Associate Director developed annual operations budgets and provided fiscal direction as it pertains to Ortiz Center endowment funds and other financial resources.

Ortiz Gathering Space in the Anthropology Department, North Corridor
Worked with UNM's Physical Planning Department to design and upgrade the North corridor in the Anthropology Department leading to the Ortiz Gathering Space in the Maxwell Museum.

Weaving Generations Together: Evolving Creativity in the Maya of Chiapas Mexico Based on the book by Guest Curator, Patricia Greenfield. The exhibition includes built-in educational family activities to enhance visitor experience by learning about the transmission of knowledge and the process of learning weaving in contemporary Maya family life in Chiapas, Mexico. Lead curator, K. Klein.

Forged in Iron: The Expressive Art of the Roof Cross Tradition in Chiapas, Mexico
Based on the book *Spirit of the Chiapas: the expressive Art of the Roof Cross Tradition,* by Guest Curator Virginia Ann Guess, this rare exhibition featured examples of hand-crafted iron crosses, tools used by the skilled ironworkers who create them, and contemporary photographs of the region where the tradition flourishes. Lead Curator, K. Klein

Public/Community Education
Ortiz Center Passport to People Family Program
Facilitated the Ortiz Center Passport to People programs that are designed around current Maxwell exhibitions and museum collections. These family based programs are free and open to all and take place on Saturdays. Target audience: lower income families of the Albuquerque community. 3 programs, total served = 227.

Weaving Generations Together

Original research by Patricia Greenfield was supplemented by an in-depth analysis of selected Maya textiles to write label copy for the exhibition by the Lead Curator Kathryn Klein, and UNM Doctoral Candidate and Curatorial Assistant for Ethnology Collections Ruth Burgette-Jolie.

Zuni Day School Project

The Maxwell Museum houses a collection of children's drawings, photographs, and writings that originated from the Zuni Day School dating from 1920s through the 1950s. The collection has been scanned into digital formats at the Maxwell and the staff of the A:shiwi A:wan museum are cataloguing all of the materials. The data in digital formats will be used on a large database for the community to have access to all of the materials at the A:shiwi A:wan museum. This collaborative project is supported by the Ortiz Center and provides the foundation for a community inspired exhibition in Zuni.

La Ruta Maya Research Project

The purpose of research in Mexico is to strengthen US/Mexico ties by creating a dialog with Mexican foundations, cultural institutions, and cooperatives that help to directly support local Maya people in the states of Chiapas and the Yucatan. The goal is to establish partnerships to create educational programming at the Maxwell Museum of Anthropology in association with exhibitions and the Alfonso Ortiz Center for Intercultural Studies. Programming includes K-12 and UNM student participation.

Maya Coalition

The coalition will support UNM departments and student participation to promote intercultural exchanges of indigenous peoples in Latin America and Native American/Hispanic communities of the US through programs in culture, language arts, and education. Current departmental participants include: Ortiz Center/Maxwell Museum staff, the Anthropology Department, LAII, the Education Department, and Chicano Studies.

Haak'u – A Plan to Prepare: The Sky City Cultural Center and Museum Initiative

A collaborative Ortiz project with the pueblo of Acoma to support the development of permanent exhibitions for the new facility. K. Klein serves as a Museum Advisor for the Acoma Haak'u Museum Foundation Board of Trustees.

Ethnology Curator and Associate Director of the Center, Dr. Kathryn Klein, is an Adjunct Professor in the Anthropology Department and the Department of Art and Art History.

UNM-Mellon Foundation Program

Building Future Leadership for the Advancement of Native American and Latino Humanistic Social Science at the University of New Mexico

In 2008 UNM received a $700,000 grant from the Andrew Mellon Foundation to fund a cohort-based fellowship program focused on advanced doctoral students from under-represented or disadvantaged groups who will be earning doctoral degrees in one of six social science or humanities departments at the University of New Mexico. The program's objectives are to increase the rate at which these students complete their doctorate and enter the workforce,

particularly as college and university faculty. The program began awarding fellowship for 2008-09 and will continue for four years, until 2012. UNM has backed this program with matching funds that total nearly $300,000.

During the Spring of 2009, the second cohort of six UNM-Mellon Fellows was selected by the Programs Advisory Board. Miguel Gandert, Professor in the Department of Communications and Journalism, agreed to Chair the Advisory Board. The Advisory Board has one member from each of the participating departments, all having interest in ethnography, qualitative research, and the Hispano and Native American cultures of the Southwest. Board members are:

- Miguel Gandert- Chair, Professor, Communications and Journalism: Photographer and Oral Historian of Chicano and Mexicano Culture and Ritual Performance
- Gabriel Melendez- Professor and Former Chair, American Studies: Southwest Studies, Ethnic and Cultural Representation in Film, Autobiography, Ethnopoetics, Ethnocritical Theory
- Beverly Singer- Associate Professor, Anthropology and Native American Studies: Native American Film and Video
- Nancy Lopez- Associate Professor and Graduate Advisor, Sociology: Race/Ethnicity, Education, Gender, Latino Studies.
- Maria Velez- Assistant Professor, Sociology: Criminology, Race/Ethnicity
- Melissa Axelrod- Professor, Linguistics: Native American Languages, Sociolinguistics
- Barbara Reyes- Assistant Professor, History: Chicano History, Southwest
- Tiffany Lee-Assistant Professor, Native American Studies

New fellows during the 2009-10 academic year were:

- Eric Castillo, 3 year Fellowship; American Studies. Dissertation Topic: The Work of Luis Jimenez. (Mentor: Maria Velez, Sociology).
- Claudia Anguiano, 2 year Fellowship; Communication and Journalism. Dissertation Topic: "Latino/a Undocumented Youth Student Activism Movement for DREAM Act legislation."(Mentor: Ilia Rodriguez, Communication and Journalism).
- Kent Blansett, 1 year Fellowship; History. Dissertation Topic: The Biography of Richard Oakes, American Indigenous Leader and Activist. (Mentor: Beverly Singer, Anthropology).
- Jacobo Baca, 2 year Fellowship; History. Dissertation Topic: History of Hispano and Pueblo Land Tenure, Intercultural Relations, and Government Relations from the Eve of Statehood through the 2004 GAO Treaty of Guadalupe Hidalgo Land Claims Report. (Mentor: Beverly Singer, Anthropology).
- Rebeca Jasso Aguilar, 2 year Fellowship; Sociology. Dissertation Topic: Comparative Study of Social Movements in 2000 in Cochabamba, Bolivia, Against the Privatization of Waste and the Social Movements that Emerged in Mexico in the Summer of 2006 against the Presidential Electoral Fraud. (Mentor: Linda Hall, History).

- Stephanie Sanchez, 3 year Fellowship; Anthropology. Dissertation Topic: Women and Cultural Production: Fiestas, Families, and Foodways in San Rafael, New Mexico (Mentor: Michael Trujillo, American Studies)

Colloquia (Department, JAR, AGSU, Ortiz Center Sponsored)

Twenty talks were sponsored in Anthropology; these included the two JAR distinguished lecturers, two speakers from the AGSU symposium, the UNM-Mellon Keynote speaker, and a now established colloquium series in Anthropology.

September 27, 2009, Dr. George J. Armelagos, Professor, Department of Anthropology, Emory University. JAR XXIX Distinguished Lecture *"Omnivore's Dilemma: The Evolution of the Brain and the Determinants of Food Choice"*

September 28, 2009. Dr. Charles Briggs and Dr. Clara Mantini-Briggs, University of California, Berkeley, UNM-Mellon Foundation Program Keynote Address *"On Vampire Bats and a Mysterious Epidemic: Joining an Indigenous Struggle or Survival and Social Justice."*

October 23, 2009, Professor Kimberly Tall Bear, Environmental Sciences, Policy and Management, UC Berkeley. *Troubling "Race": Cutting-Edge Research Design Across the Disciplines "DNA and the Re-Articulation of Native American Race"*

October 30, 2009, Dr. Carol Worthman, Professor, Department of Anthropology, Emory University *"From Molecules to Meaning: Biomarkers, biosocial research and implications for health disparities."*

November 4, 2009, Dr. Lynn Morgan, Mary E. Woolley Professor, Department of Anthropology, Mount Holyoke College. *"Reproductive Rights and Wrongs in Contemporary Latin America"*

November 6, 2009, Professor Charmaine Royal, Institute of Genome Science and Policy, Duke University. *"Genetic Ancestry Testing: Troubling Concepts of Race and Identity"*

November 18, 2009, Dr. Michael Schillaci, Associate Professor, University of Toronto at Scarborough. *"The Role of Physical Anthropology in Determining Cultural Affiliation: A Case Study from the American Southwest"*

December 9, 2009, Dr. Jeffrey Hanson, Statistical Research, Inc., Albuqerque. *"From Unknown to Known: The Identification of the Remains of Three Buffalo Soldiers from the Fort Craig Cemetery, Socorro County, New Mexico"*

February 4, 2010, Dr. John Kantner, Director of Development, School for Advanced Research, Santa Fe, NM. *"Chaco Canyon: Costly Signaling and the Evolution of Pilgrimage Centers"*

February 9, 2010, Dr. Rasmi Shoocongdej, Professor, Faculty of Archaeology, Silpakorn University, Bangkok, Thailand. *"Contemporary Archaeology as a Global Dialogue: Reflections from Southeast Asia"*

February 11, 2010, Gloria Valencia-Weber, Professor, School of Law, University of New Mexico . *Cross "Cultural Research at Santa Clara Pueblo: Going Beyond the Law"*

February 19, 2010, Professor William Darity, Sanford Institute of Public Policy, Duke University. *"The Economics of Colorism"*

March 4, 2010, Dr. Walter Mignolo, Professor, Duke University, JAR XXX Distinguished Lecture, *"The Global South and World Dis/Order"*

March 11, 2010, Dr. Stephen Lekson, Professor Anthropology and Curator Natural History Museum, University of Colorado *"Chimney Rock and Chaco, Pinnacle Ruin and Mesa Verde: Methodologies of Regional Interaction in the Ancestral Pueblo Area"*

March 12, 2010, Professor Esteban González Burchard, Biopharmaceutical Sciences and School of Medicine University of California, San Francisco. *"Self-Indentified Race Versus Genetic Ancestry for Lung Function Predictions Among African Americans"*

March 26, 2010, Dr. T.J. Ferguson, Professor of Practice, Department of Anthropology, University of Arizona. AGSU Symposium, *"Tribal Heritage Management: Emerging Trends in the Production of Knowledge"*

March 27, 2010, Dr. Barbara Mills, Director, School of Anthropology, University of Arizona, AGSU Symposium, *"The Archaeology of Social Networks in the Prehispanic Southwest"*.

April 29, 2010, Dr. David Haig, George Putnam Professor, Department of Biology, Harvard University. *"Genetic Conflicts in Human Pregnancy"*

May 6, 2010, Dr. Laura Gómez and Dr. Nancy López , Department of American Studies, University of New Mexico, *"The Disciplinary Politics of "Race": An Exploration of Scholarly Associations' Approaches to Race Research in a Color-blind Era"*

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Submitted by: Michael Graves, Department Chair;
Jennifer George, Department Administrator

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2009-JUNE 30, 2010

SIGNIFICANT PLANS AND RECOMMENDATIONS

This period included the third year of Professor Michael Graves' term as Chair of Anthropology. Regents Professor Marta Weigle served as Associate Chair in the year. Drs. Suzanne Oakdale and Les Field continued to serve as Graduate Director and Undergraduate Director, respectively. Keith Hunley assumes the position of Undergraduate Director in July 2010. The Advisory Group included the Associate Chair, the conveners of the three subfields (Wills, Weigle, Lancaster), and the Graduate and Undergraduate Directors.

This year saw continued change in the Department of Anthropology. We welcomed new faculty member Jeff Long (Evolutionary Archaeology), hired two assistant professors (Erin Debenport and Heather Edgar), and saw two senior faculty retire: Professor Sylvia Rodiguez and Associate Professor Ann Ramenofsky.

In an effort to place the funding for the Department of a firmer, more predictable basis, we now have a comprehensive budgeting process that includes state funds, extramural and intramural contract and grants, and UNM Foundation payouts. The annual budget for the Department in 2009-10, including all funds, was approximately $3.5 million. The Department received approximately $1.7 million in new extramural awards this year. UNM also approved an addition to the recurring allocation to support the Ortiz Center. Course fees contributed to the upgrading or creation of media systems in the Hibben Center and the Department of Anthropology. The Department began planning for new course offerings through Extended University's On-Line Program.

The Academic Program Review for Anthropology is nearing its completion. The Department has prepared an Action Plan for the next 5 years that includes new faculty hires, strengthening support for the graduate and undergraduate programs, and planning for the renovation of key facilities (Anthropology Annex).

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APPOINTMENTS AND SEPARATIONS

APPOINTMENTS

Faculty

Erin Debenport, Assistant Professor
Heather Edgar, Assistant Professor

Staff

Joanne Kuestner, Administrative Assistant II
JoNella Vasquez, Accountant II

SEPARATIONS

Faculty

Ann Ramenofsky (retirement)
Sylvia Rodriguez (retirement)

Staff

Amy Hathaway, Accountant II

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FACULTY AND STUDENT PUBLICATIONS

Faculty members and graduate students in Anthropology at UNM published more than 110 papers, books, articles, abstracts, and reports or developed audio or visual materials in the year reported here. This is a high level of publication, including four books, three recordings, one video documentary, with major journals represented such as *Science, Current Anthropology, Journal of Theoretical Biology, Journal of Archaeological Science, American Ethnologist, Journal of Human Biology, Evolutionary Psychology, Radiocarbo,n Journal of Human Evolution, World Archaeology*, and *Antiquity*, among others. Student authors indicated it italics

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106. **Straus, Lawrence.** Review of *Le Massif de Fontainebleau au Paléolithique Supérieur*, by B. Schmider and A. Roblin-Jouve. *Journal of Anthropological Research* 66:277-278. 2010.
107. **Straus, Lawrence.** Review of *La Ocupación Prehistóricia de la Campiña Litoral y Banda Atlántica de Cádiz,* edited by Jose Ramos. *Journal of Anthropological Research* 66:278-279. 2010.
108. **Straus, Lawrence.** The Mesolithic of Atlantic Iberia. In *Mesolithic Europe* (2nd [paperback] edition), Edited by G. Bailey and P. Spikins, pp. 302-331. Cambridge: Cambridge University Press (revised and expanded version of 2008 chapter). 2010.
109. **Straus, Lawrence.** Preface. Arqueozoología en el Cantábrico Oriental durante la Transición Pleistoceno/ Holoceno. *La Cueva del Mirón*, by A. B. Marín. Santander: Ediciones de la Universidad de Cantabria. 2010.
110. **Straus, Lawrence.** Review of *The Cave of Fontéchevade*, by P. Chase, A. Debénath, H. Dibble and S. McPherron. *Journal of Anthropological Research* 66:407-408. 2010.
111. **Straus, Lawrence.** Review of *Anthropology without Informants: Collected Works in Paleoanthropology*, by L. G. Freeman. *Journal of Anthropological Research* 66:408-410. 2010.
112. **Tooher, Erin M., Lous Meyer, and Juliana Kirwin.** An Open-Ended Closing.In New World of Indigenous Resistance: Nomal Chomsky and Voices from North,

South, and Central America, Edited by Louis Meyer and Benjamin Maldonado, pp. 383-399. City Lights Books, San Francisco, 2010.

113. **Weigle, M.,** (editor) with F. Levine and L. Stiver. *Telling New Mexico: A New History* Museum of New Mexico Press, Santa Fe, 484 pp, 2009

114. ***Worman, F. Scott***, Christopher A. Turnbow, Yuichi Nakazawa, and Richard C. Chapman. *Archaeological Data Recovery Program at LA 26917: VC02 (Road B) Mitigation, Valles Caldera National Preserve, New Mexico.* By Office of Contract Archaeology, University of New Mexico. 2009

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July 2009-June 2010
Submitted by: Michael Graves, Department Chair;
Jennifer George, Department Administrator

DEPARTMENT OF ANTHROPOLOGY
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CONTRACTS AND GRANTS

Faculty (including affiliated faculty with the Maxwell Museum) and students in Anthropology held 40 active grants during the year. Most awards come from governmental organizations such as the National Science Foundation, with additional grants from the, the National Park Service, and the National Institute of Health. Awards from Private organizations include: Wenner Gren Foundation for Anthropological Research, Leakey Foundation, and Andrew P. Mellon Foundation. Thirteen new grant awards were received by Anthropology faculty and students in 2009-2010.

Faculty and Student grants (total $6,302,748, new grants total $1,712,366)

1. **On-Going**. National Science Foundation, Investigating the Material Culture of the Pueblo Bonito Trash Mounds, PI: Patricia Crown, 08/15/07 – 07/31/10, $328,510
2. **On-going**. National Park Service, A five year CESU Research Contract, Lake Clark Ice Patch Archeology, PI: James Dixon, 2008-2012, $347,669.
3. **New.** National Science Foundation, Award #0703980, Gateway to the Americas. Marine Archeological Survey, SE Alaska. Office of Polar Programs, Arctic Social Sciences, PI: James Dixon, 05/15/09-10/31/11, $43,914.
4. **On-Going**. National Science Foundation, The Ynalche Project: Political Ecology of Late Prehispanic Agriculture on the North Coast of Peru, PI: Frances Hayashida, 09/01/08 – 08/31/10, $259,048.
5. **On-Going.** Yale University, Dynamics of Hunter-Gather Language Change PI: Keith Hunley, Yale primary with NSF, UNM sub award, 11/01/08 – 02/28/12, $49,270.
6. **On-Going.** UC Santa Barbara, Grand-parenting and the Evolution of Post-Reproductive Lifespans, PI: Hillard Kaplan, UCSB primary with NSF, UNM sub award, 08/01/04 – 11/30/09, $209,103.
7. **On-Going.** University of Southern California, Preparations of Samples for Investigation of Biological Aging Among the Tsimane, PI: Hillard Kaplan, primary with NSF, UNM sub award, 06/01/08 – 05/31/10, $153,750.
8. **On-Going.** Santa Fe Institute, The Human Life Course and Biodemography of Aging, PI: Hillard Kaplan, SFI primary with NIH/NIA, UNM & UCSB subs, 10/01/04 – 04/30/10, $1,620,770.
9. **On-Going** National Endowment for the Humanities/National Foundation on the Arts and Humanities, An Integrative Archaeological and Historical Study of the Rise to Power of Kamehameha the Great, PI: Michael Graves, 09/01/09-08/31/10, $73,969.
10. **On-Going.** Andrew Mellon Foundation, Building Future Leadership for the Advancement of Native American and Latino Humanistic Social Science at the University of New Mexico, PI: Louise Lamphere and Michael Graves, 01/01/08 – 07/31/13, $700,000.

11. **On-Going** Wenner-Gren Foundation, Dissertation Grant: Effects of Genetic Ancestry and Socio-cultural Factors on Susceptibility to Tuberculosis in Mexico PI: Keith Hunley and Bonnie Young, 01/01/2010-01/31/2011, $12,969.
12. **On-Going.** National Science Foundation, Collaborative Research: (AOC) Development and Resilience of Complex Socioeconomic Systems: A Theoretical Model and Case Study from the Maya Lowlands, PI: Keith Prufer, 09/15/08 – 02/29/12, $280,354.
13. **New.** National Science Foundation, The Cultural and Biological Significance of Ethnic Substructure in New Mexican Hispanics, PI: Keith Hunley and H. Edgar, 05/15/10-04/30/11, $92,202.
14. **On-Going.** Boston University, Understanding the Role of Ecology in Orangutan Reproduction, PI: Melissa Thompson, BU primary with NSF, UNM sub award, 09/01/08 – 08/31/10, $50,462.
15. **New.** American Association of Physical Anthropologists, Energetics of Lactation in Chimpanzees, PI: Melissa Thompson, 06/01/09 – 06/30/10, $5,000.
16. **On-Going.** Yale University, Dynamics of Hunter-Gatherer Language Change, PI: Keith Hunley, 11/01/08-02/28/12, $49,270.
17. **New.** National Park Service, Archaeological Site Condition Assessments for FMSS and Visitor Interpretation, PI: Wirt Wills and Patricia Crown, 05/15/09 – 04/15/11, $44,000.
18. **New.** Western National Parks, Remote Sensing Studies for Research and Resource Management at Pueblo Bonito, Chaco Culture National Historic Park, PI: Wirt Wills, 01/01/09 – 12/31/09, $7,215.
19. **On-Going.** National Geographic Society; A Second Cache of Clovis Artifacts near Beach, North Dakota, PI: Bruce Huckell, 07/14/08-07/13/09, $15,000
20. **New.** National Park Service, Southwestern Region, Colorado Plateau Cooperative Ecosystem Studies Unit; Archaeological Assessment of the Hidden Ridge Site in Tonto National Monument PI: Bruce Huckell, 05/15/09-01/30/11, $34,773.
21. **New.** University of California, Santa Barbra, The Human Life Course and the Biodemography of Aging, PI: Hillard Kaplan, 09/01/09-08/31/10, $248,944.
22. **New**. University of California-Davis, PI: Hillard Kaplan American Recovery and Reinvestment Act: The Biodemographic Determinants of Life Span, PI: Hillard Kaplan, 09/30/09-08/31/11, $101,714.
23. **New** National Science Foundation, Dissertation Improvement Grant: Feeding Ecology and Life History Strategies of White-faced Capuchin Monkeys, PI: Jane Lancaster and E Eadie, 09/01/09-08/31/10, $15,000.
24. **New**. Leakey (Louis S.B.) Foundation, Dissertation Grant: Feeding Ecology and Life History Strategies of White-faced Capuchin Monkeys, PI: Jane Lancaster and J. Eadie, 01/01/10-12/31/10, $13,000.
25. **New**. National Science Foundation, Pattern and Process in Human DNA Sequence Variation, PI: Jeffrey Long, 09/01/09-08/31/12, $265,322.
26. **New**. National Science Foundation, Stress, Energetics, and the Costs of Reproduction in Wild Chimpanzees, PI: Martin Muller, 09/15/09-12/31/11, $150,000.
27. **New**. Leakey (Louis S.B.) Foundation, Causes and Consequences of Stress in Wild Female Chimpanzees, PI: Melissa Thompson, 06/01/10-12/31/12, $21,700
28. **New**. National Science Foundation, Cacao Exchange and Use in the Prehispanic American Southwest, PI: Patricia Crown, 07/01/10-07/31/12, $58,206.

29. **On-Going**. National Science Foundation, Dissertation Improvement Grant: Late Upper Paleolithic Fiber Technologies, PI: Lawrence Straus, 08/15/07-01/31/10, $14,997.
30. **On-Going**. National Science Foundation, Late Upper Paleolithic Fiber Technologies, PI: James Dixon, 07/01/08-06/30/11, $218,767.
31. **On-Going**. National Park Service, Lake Clark Ice Patch Archeology, PI: James Dixon, fund 2RB52, 08/01/08-08/01/13, $94,548.
32. **On-Going**. National Library of Medicine, —he Impact of an Ethnically Diverse, Web based Case File in Orthodontic Education, PI: Heather Edgar, 09/15/07-09/14/11, $409,871.
33. **New**. National Park Service, Archaeological Assessment of the Hidden Ridge Site in Tonto National Monument, PI: Bruce Huckell, 05/01/10-05/01/11, $29,737.
34. **On-Going**. Army Corps of Engineers, Archeological Curation FY 2006, PI: David Phillips, 10/01/05-09/30/10, $29,000.
35. **On-Going**. Department of Defense, Ongoing Curation of Kirtland AFB Archaeological Documents and Collections, PI: David Phillips, 09/25/08-09/24/11, $21,000.
36. **New.** National Science Foundation, Doctoral Dissertation Improvement Grant: Exploring Migration and Social Identity in the Albuquerque Area during the Late Developmental to Coalition Period Transition, PI: Patricia Crown and Dorothy Larson, 11/15/09-10/31/11, $13,064.
37. **New.** National Science Foundation, Doctoral Dissertation Improvement Grant: The Social Value of Ornaments form Pueblo Bonito and Aztec Ruins, PI: Patricia Crown and Hannah Matson, 02/01/10-01/31/12, $14,469.
38. **On-Going**. National Science Foundation, Doctoral Dissertation Improvement Grant: Late Upper Paleolithic Bone and Fiber Technologies: A Functional Analysis of Osseous Implements from the Magdalenian of Northern Spain, PI: Lawrence Straus and Elisabeth Stone, 08/15/07 – 01/31/10, $14,997.
39. **On-Going.** National Science Foundation, Doctoral Dissertation Improvement Grant: Learning Networks and Social Diversity in the Chaco System, A.D. 850-1140: An Analysis of Basketry Technological Style, PI: Wirt Wills and Edward Jolie, 03/01/09 – 12/31/10, $14,954.
40. **New**. Alpha Wood Foundation, Uxbenka Archaeological Analysis. PI: Keith Prufer, 5/01/10-6/01/11, $125,000.

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DEPARTMENT OF ANTHROPOLOGY
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GRADUATES

The Department of Anthropology provides baccalaureate degrees in both arts and sciences, along with masters and doctoral degrees. In 2009-10, 100 students graduated in Anthropology. This includes 77 who earned baccalaureate degrees, 12 earned Masters, and 11 earned the doctorate. Over the past nine years nearly 1,000 students have earned degrees in Anthropology at UNM.

Academic Year	BA/BS	MA/MS	PhD	Total
2002	88	30	9	127
2003	80	29	12	121
2004	75	12	9	96
2005	66	15	15	96
2006	79	23	12	114
2007	82	16	4	102
2008	91	14	11	116
2009	85	21	12	118
2010	77	12	11	100
TOTALS	723	172	95	990

Bachelor of Arts and Bachelor of Science

Summer/Fall 09

Sandra C. Anderson (BA)

David J. Beals (BS)
Anthony M. Becerra (BS
Christopher K. Bonifer (BA)
Stephanie Carlsward (BA)
Nicholas E. Damp (BS)
Elizabeth A. Darnell (BA)
Elizabeth C. Davis (BA)
Dominic A. Fanelli (BS)
Richard C. Gardner (BA)

Spring/Summer 10

Jessica E. Abbott
Venancio F. Aragon (BA)
Desiree J. Arroyo (BS)
Anne Bergman (BA)
Elisa C. Borowski (BA)
Elizabeth N. Brooks (BS)
Carmela M. Carrasco (BA)
Becky E. Castillo (BA)
Amy K. Dunn (BS)
Stacey Fedorovich (BA)
Patricia K. Fordney (BA)

Christine S. Flatt (BA)
Melanie A. Fortgang (BS)
Corrie C. Girdner (BA)
Michael L. Graham (BA)
Alice M. Hollow Horn (BA)
Valerie J. Horton (BA)
Ashley M. Howe (BS)
Joshua R. Hromas (BA)
Elijah M. Kamermans (BA)
Mia R. Kimmelman (BS)
Andrew J. Krosche (BA)
Andrea P. Lamberson (BA)
Caitlin E. Lanigan (BS)
Nichole K. Lawler (BS)
Rebecca M. Heaton (BA)
Christopher R. Huntsman (BS)
Esther E. Mares (BA)
Rayan M. McVay (BA)
Lori Otero (BS)
Marisa K. Page (BA)
Marsha H. Shorty (BA)
Starla E. Solem (BS)
Kara R. Stuve (BS)
Christopher J. Vreeland (BS)
Pieter M. Leffers (BS)
Perry Lown (BA)
Heather L. Macinnes (BS)
Thera A. McAvoy (BS)
Stanton W. McCandish (BA)
Kimberly E. McCluskey (BS)
Patricia E. Merewether (BS)
Rebekah C. Montgomery (BA)
Shane M. Montgomery (BA)
Joshua D. Niforatos (BA)
Brendan J. O'Leary (BA)
Louisa E. Otero (BS)
Dylan J. Pell (BA)
Ciara I. Pena (BA)
Christina E. Ripp (BA)
Aneshia C. Savino (BA)
Jeremy B. Seaton (BA)
Timothy B. Shaw (BS)
Lisa E. Suggs (BS)
Gary L. Thompson (BS)
Keith C. Toshewana (BA)
Myra E. Villalobos (BA)
Rachel C. Wansa (BS)
Agatha J. Weatherbie (BA)
Darlene M. Whitehead (BA)
Brittany N. Willis (BS)

Bachelor of Arts and Bachelor of Science with Honors

Fall 09

Judith A. Hartline (BS) *Biological*
Honors Paper: *Determining the Diet of Paranthropus robustus using Dental Mircowear. Analysis* Mentor: Sherry Nelson

Jana L. Morehouse (BA) *Archaeology*
Honors Paper: *Using GIS and LiDAR to Discern Ditches: A Waiapuka Case Study.* Mentor: Michael Graves

Lillian E. Richards (BS) *Archaeology*
Honors Paper: *Analysis of a Pit Feature and Artifacts from Settlement Group 38 at the Shed of Uxbenka, Belize.* Mentor: Keith Prufer

Spring 10

Claire E. Ebert (BA) *Archaeology*
Honors Paper: *The Social Landscape at Uxbenka: Viewshed Analysis at a Classic Period*

Lowland Maya Site. Mentor: Keith Prufer

Joshua J. Vallejos (BS) *Biological*
Honors Paper: *Microwear Analysis of Five Extant Primate Species in Kibale National Park.*
Mentor: Sherry Nelson

Emily J. Wolfe (BS) *Human Evolutionary Ecology*
Honors Paper: *Obesity and Reproductive Fitness: Will the Growth of Individuals Shrink the Population?* Mentor: Jack Baker

Master of Arts and Master of Science

Summer/Fall 09
Nicholas L. Jarman (MA)
Diana Rabernold (MA) with Distinction
Anne F. Santos (MA)

Spring/Summer10
Ralph A. Bachli (MA)
Mathew J. Barbour (MA)
Zachary E. Braun (MA)
Michael C. Grooms (MA)
Maria E. Hroncich (MA)
Amalia C. Kenward (MA)
Ryan D. O'Connor (MA)
Mark W. Oxley (MA)
Vitale Sparacello (MA)

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Prepared by: Jennifer George, Department Administrator

Doctor of Philosophy

Summer/Fall 09

Kiara M. Hughes
Dissertation: *The Women Potters of Mata Ortiz* Chair: Louise Lamphere

Demelza J. Poe
Dissertation: *The Prevalence of Osteoarthritis in Wild Verus Captive Great Ape Skeletons* Chair: Osbjorn Pearson

Jonathan P. Stieglitz
Dissertation: *Nuclear Family Conflict and Cooperation among Tsimane' Forager-Horticulturists of Bolivia* Chair: Hillard Kaplan

Spring/Summer 10

Claire K. Croll
Dissertation: *Why Conical Pots? An Examination of the Relationship Among Ceramic Vessel Shape, Subsistence, and Mobility* Chair: Patricia Crown

Jennifer B. Boyd-Dyer with Distinction
Dissertation: *Colona Wares in the Western Spanish Borderlands: A Ceramic Technological Study* Chair: Ann Ramenofsky

Lucas C. Kellett with Distinction
Dissertation: *Chanka Settlement Ecology: Hilltop Sites, Land Use and Warfare in Late Prehispanic Andahuaylas, Peru* Chair: Garth Bawden, Co-Chair: James Boone

Timothy R. Petersen with Distinction
Dissertation: *Taxonomic Implications of Basicranial Variation in Australopithecus africanus* Chair: Osbjorn Pearson

Wendy E. Potter
Dissertation: *Evidence for a Change in the Rate of Aging of Osteological indicators in American Documented Skeletal Samples* Chair: Osbjorn Pearson, Co-Chair: Jane Buikstra

Heather M. Richards-Rissetto with Distinction
Dissertation: *Exploring Social interaction at the Ancient Maya City of Copan, Honduras: A Muti-Scaler Geographic information Systems (GIS) Analysis of Access and Visibility* Chair: James Boone, Co-Chair: Jane Buikstra, Dr.VonSchwerin

Kari L. Schleher with Distinction
Dissertation: *The Role of Standardization in Specialization of Ceramic Production at San Marcos Pueblo, New Mexico* Chair: Patricia Crown

Marco Rosas with Distinction

Dissertation: *Cerro Chepen and the Late Moche Collapse in the Jequetepeque Valley, North Coast of Peru* Chair: Garth Bawden, Co-Chair: James Boone

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DEPARTMENT OF ANTHROPOLOGY
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STUDENT AWARDS & FELLOWSHIPS

Undergraduate Student Awards, 2009-2010

Krisztina Kosse Memorial Scholarship
The Krisztina Kosse Memorial Scholarship is awarded annually by the Maxwell Museum of Anthropology to honor the memory of Dr. Krisztina Kosse, an archaeological scholar of the European Iron Age and for many years the Curator of Collections at the museum until her death in 1995. The scholarship is a cash award of $200 given to an outstanding senior concentrating in archaeology, preferably with a special interest in or focus on Old World complex societies.
Recipient in 2009-2010: **Shannon Bermea**

Barbara MacCaulley Endowment Scholarship
The Barbara MacCaulley Endowment Scholarship is awarded annually by the Department of Anthropology to honor the memory of Barbara MacCaulley, who graduated from the university in 1951 and then pursued a career in the Foreign Service until her death in 1984. The scholarship is a variable cash award between $400 and $500 given to an outstanding undergraduate with a concentration in archaeology who is a full-time student entering their senior year with high motivation to pursue a career in archaeology.
Recipients in 2009-2010: **Samantha Doyle**

John Campbell Undergraduate Research Scholarship
Dr. John Martin Campbell, former Chair of the Department of Anthropology, has established a research scholarship for undergraduates. The funding is designated to support research costs for students, including travel support for students who are attending and participating in professional meetings.
Recipients in 2009-2010: **Clayton Pilbro**

Ortiz Undergraduate Indigenous Scholarships
The Indigenous Scholarships are $1500 awards to undergraduate students who are members of officially recognized indigenous groups, including Native Americans and Pacific Islanders.
Recipients in 2009-2010: **Jeremy Seaton (Spring); Garrett Briggs (Fall)**

Graduate Student Awards, 2009-2010

Frieda D. Butler Award

The Frieda D. Butler Award is given annually by the department of Anthropology to honor the memory of Mrs. Butler, who established an endowment in 1975, when her grandson, Dr. Richard A. Barrett, was a member of the department faculty. In 1981 Butler's daughter Margaret A. Barrett requested that a portion of the fund's income be used for "a small award to a promising graduate student in anthropology." The Butler Award of $400-$450 is given to an outstanding master's student who has not yet taken the doctoral specials examination. The recipient delivers a public lecture during the Fall semester.
Recipient in 2009-2010: **Jara Carrington**
Lecture: Love Exiles: Binational Same-Sex Couples and National Belonging in the United States

Karl H. Schwerin Graduate Fellowship in Ethnology
The Karl H. Schwerin Graduate Fellowship in Ethnology is awarded annually by the Department of Anthropology. Professor Schwerin of the department faculty endowed the fellowship, which was first awarded in 1999, for an ethnology graduate student who has not yet begun dissertation research and has not received other support. The recipient of $500 is selected on the basis of scholastic ability, research potential, and financial need.
Recipient in 2009-2010: **Anne F. Santos**

Frank J. Broilo, Harry W. and Margaret Basehart Memorial Endowment Scholarship
The Frank J. Broilo, Harry W. and Margaret Basehart Memorial Endowment Scholarship is awarded annually by the Department of Anthropology to honor the memory of Frank J. Broilo, the first director of UNM's Office of Contract Archaeology until his death in 1979; Professor Harry W. Basehart, professor emeritus of anthropology until his death in 1988 and editor of the Department's *Journal of Anthropological Research* from 1962 to 1974 and 1981 to 1982; and his wife Margaret Basehart, who died in 1992. The scholarship is a cash award of $500 given to deserving graduate students who are pursuing a course of study in archaeology and ethnology. The scholarship alternates annually between archaeology and ethnology graduate students, and this academic year has been awarded to four archaeologists.
Recipients in 2009-2010: **Phil Geib; Edward Jolie; Nick Jarman**

James and Helen McCaig Spuhler Graduate Fellowship
James N. Spuhler, who died in 1992 at the age of 75, is considered by many in the field to be the founder of anthropological genetics. Spuhler was the first physical anthropologist to be rigorously trained in human genetics, and he was the one who inspired the consistent introduction of a full understanding of modern genetic analysis into anthropological teaching and research. His wife, Helen McCaig Spuhler, endowed the Spuhler Graduate Fellowship in Biological Anthropology through her will. This award is given annually to an outstanding graduate student in Biological Anthropology.
Recipient in 2009-2010: **Jennifer Cabotage**

Ruth E. Kennedy Award

The Ruth E. Kennedy Award is given annually by the Maxwell Museum of Anthropology to honor the memory of Ruth E. Kennedy, wife of Edwin L. Kennedy, a major donor to the museum. Initiated in 1981, the award recognizes Mrs. Kennedy's abiding interest in public education. The Kennedy Award of $100 is given to an outstanding doctoral candidate chosen by the department faculty. The recipient delivers a public lecture during the Spring semester.

Recipient in 2009-2010: **Sue Ruth**

Lecture: Women's Toolkits: Technological Organization, Social Context, and Motor Skills

New Mexico Folklore Scholar in Anthropology Award

The New Mexico Folklore Scholar in Anthropology Award is given annually by the Department of Anthropology to a graduate student involved in investigative research and writing in the area of New Mexico Folklore. The New Mexico Folklore Society, founded by UNM faculty members in 1931, established the New Mexico Folklore Scholars Endowment in order to make annual awards for a New Mexico Folklore scholar in Anthropology and a New Mexico Folklore scholar in English. The recipient of the $1,000 award delivers a public lecture during the spring semester. This year the award was given by the English department.

Ortiz Public Policy Fellowship

The Alfonso Ortiz Center for Intercultural Studies awarded the first Louise Lamphere Public Policy Grant in 2006-2007. Eligible candidates for this award must be in the Ethnology Program and at the stage of writing up the dissertation, and should be conducting research that is both collaborative and relevant to a policy issues. Ideally, they will also be resident in Albuquerque. Possible policy areas include, but are not limited to health care, immigration, education, labor or workplaces issues, human rights, and the environment. The grant carries a stipend of $10,000.

Recipient in 2009-2010: **Lavinia Nicolae**

The Frank Hibben Charitable Trust Fellowships

Frank Hibben first came to New Mexico in the mid-1930s on an expedition to collect small mammals and birds for the Cleveland Museum of Natural History. A 1933 Princeton University archaeology graduate, Hibben was so fascinated by the Native American cliff dwellings that he decided to attend graduate school at the University of New Mexico and make New Mexico his home. Dr. Hibben received a master's degree in zoology with field studies of the mountain lion from the University of New Mexico in 1936. He continued his education at Harvard, receiving his PhD in archaeology in just one year, and then returned to New Mexico to begin his teaching career at UNM. In 2002, construction was completed on the Hibben Center for Archaeological Research. The Center is the home of the Hibben Trust, a $10 million endowment which furnishes annual grants to students working in the field of archaeological research.

Hibben Recruitment Scholarships

Recipients in 2009-2010: 1st year students: **Kevin Brown, Anna Cabrera, Corey Ragsdale;** 2nd year students: **Jennifer Cabotage, Erin Fitzgerald, Richard Begay**

Hibben Recruitment Award (Maxwell):
Recipients in 2009-2010: 1st year students: **Lillian Greenawald;** 2nd year students: **Valorie Aquino, Maria Hronchich**

Hibben Doctoral Research Awards (Department):
Recipient in 2009-2010: **Miria Kano**

Hibben Doctoral Research Awards (Maxwell):
Recipients in 2009-2010: **Dorothy Larson, Robin Cordero**

Hibben Tuition Award
Recipients in 2009-2010: **3 hrs: Jennifer Cabotage, Erin Fitzgerald, Miria Kano; 6 hrs: Kevin Brown, Anna Cabrera, Valorie Aquino; 9 hrs: Lillian Greenawald, Maria Hronchich**

Public Anthropology Award
Recipients in 2009-2010: **Quinn Bailey, Matt Barbour, Matt Rosett, Rebecca Fowler**

Graduate Dean's Dissertation Fellowship
Provided through the Office of Graduate Studies, this $8000 award is intended to provide support to students completing their doctoral dissertations.
Recipient in 2009-2010: **Paul Hooper**

Binford Fellowships
Recipients in 2009-2010: **Michael Gibbons, Amy Thompson, Lisa Fontes, Natalie Farrell, Elise Trott, Quinn Bailey, Natasha Toworski**

Field Site Development Grants
Provides financial support for graduate field work. An award of $2000 is disbursed among successful candidates.
Recipients in 2009-2010: **Erin Hegberg, Laura Noldner, Erin Tooher, Jennifer Cabotage, Caroline Gabe**

Arts and Sciences Special Recruitment Award
An award of $5000 is provided to students to recruit and retain them during their doctoral coursework.
Recipient in 2009-2010: **Anna Cabrera**

Higher Education Development (HED) Graduate Fellowship
The Graduate Scholarship Program was created to increase graduate enrollment at public post secondary institutions, particularly among those students who are

minorities and women. The maximum award amount is $7,200 per year. This award may be renewed annually based on academic standing. Recipient must serve 10 hours per week in an unpaid internship or assistantship. Recipient must also be provided with 10 hours per week of paid internship or assistantship, including tuition waiver and health insurance. These scholarships are intended for full-time students from groups traditionally underrepresented in their field who have financial need.
Recipients in 2009-2010: **Carmen Mosley, Valorie Aquino, Kevin Brown, Kelly Sawyer**

Graduate Student Travel Awards
The Department provides travel funding on a competitive basis to graduate students who will attend and present at professional meetings. Awards are generally $300 each.
Recipients in 2009-2010: **Elizabeth Stone, Miria Kano, Helen Davis, Kristen Adler, Ilse Biel, Luke Kellet, Hannah Matson, Helen Davis, Matt Rossett**

Interdepartmental Teaching Assistantships
Recipients in 2009-2010: **Caroline Gabe, Erin Tooher, Ethan Kalosky (English)**

LAII Fellowship
Recipients in 2009-2010: **Shirley Heying, Kristen Adler, Roberto Herrera, Elizabeth Eadie**

Robert Wood Johnson Fellowship
Recipients in 2009-2010: **Sean Bruna, Andrea Lopez**

Arts and Sciences Regents Award
Recipient in 2009-2010: **Emira Ibrahimpasic**

Mellon Foundation Fellowships
Recipient in 2009-2010: **Stephanie Sanchez (2 yrs)**

3% Scholars Award
Recipients in 2009-2010: **Marnie Wilson, Olga Glinski, Bonnie Young, Ruth Jolie, Amanda Veile**

PIBBS/HEB Fellowship
Recipients in 2009-2010: **Sarah Joyce, Catherine Mitchell**

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Prepared by: Jennifer George, Department Administrator

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PROFESSIONAL ACTIVITIES AND HONORS

Anthropology Faculty Activities, Service, and Honors

Faculty members in Anthropology contribute to and participate in a number of professional activities at all levels: departmental, university, state, national, and international. Anthropology faculty members delivered nearly 70 presentations at meetings and colloquia in 2009-10. A partial listing of these and other activities or honors is provided below:

Brulotte, Ronda

1. Presentation: Monte Alban as World Heritage: Power and the Production of Mexico's Ancient Past, International World Heritage and Tourism Conference, Quebec City, Canada, 2010.
2. Presentation: Replicating Authenticity, Authenticating Replicas: Archaeological Crafts, Woodcarvings, and the Contradictions of Oaxacan Cultural Tourism, Department of Anthropology, SUNY Albany, Albany, NY, 2010

- Manuscript reviewer for Journal of Latin American and Caribbean Anthropology, Museum Anthropology, and W.W. Norton.
- Resident Scholar Review Panel, School for Advanced Research, Santa Fe, NM.
- Proposal reviewer for National Science Foundation.
- Chair, Ethnology Graduate Comprehensive Exams Committee; Co-Chair, Ethnology Graduate Admissions Committee; Co-Chair, Ethnology Graduate Comprehensive Exams Committee Department of Anthropology, University of New Mexico.
- Presentation Reviewer, 14th Annual Graduate Research Symposium (AGSU), University of New Mexico.
- Faculty Mentor, Ronald E. McNair Scholars Program, University of New Mexico.
- Faculty Advisor, Undergraduate Anthropology Society, University of New Mexico.
- National Endowment for the Humanities, Humanities Institute Initiative planning committee, University of New Mexico.
- Book Review Committee, Journal of Anthropological Research.
- Chair, Instructional Resources Committee, Department of Anthropology, University of New Mexico.
- Co-Chair, Anthropology Colloquia Series Committee, Department of Anthropology, University of New Mexico.
- American Indian Student Services Outstanding Faculty and Staff Recognition 2010.

- Nomination, New Faculty Teacher of the Year, University of New Mexico 2009-2010.
- Faculty Research Grant, Latin American and Iberian Institute ($2000), University of New Mexico, 2009.

Crown, Patricia

1. Advanced Seminar Organized: New Archaeological Research at Pueblo Bonito: Reopening National Geographic Society Excavations, School of American Research/Short NSF Team Seminar Co-PI: Patricia Crown and Wirt Wills, March 10-11, 2010
2. Invited Public Talk: Aztec National Monument lecture series (2009)
3. Invited Public Talk: University Museum, University of Pennsylvania, Lecture Series (2009)
4. Invited Public Talk: Archaeological Conservancy Chaco Canyon Lecture Series (2009)
5. Invited Public Talk: Albuquerque Archaeological Society Lecture (2010)
6. Invited Public Talk: Albuquerque Museum Docent lecture (2010)
7. Invited Public Talk: Renesan Course on The History of Chocolate (2010)
8. Invited Public Talk: Arizona Archaeological and Historical Society 75 Years after Snaketown (2010)
9. Invited Public Talk: School of American Research Sparks Lecture Series (2010)
10. Professional talks: Acquisition, Use and Discard of Red and Brown Wares at Pueblo Bonito, Chaco Canyon. Paper presented at the 75th Annual Meetings of the Society for American Archaeology. April, St Louis. (2010)
11. Symposium organized: with W. H. Wills. Pueblo Bonito Mounds Research: Formation Processes and Artifacts. Symposium held at the 75th Annual Meetings of the Society for American Archaeology. April, St. Louis. (2010)

- Research Associate, Smithsonian Institution National Museum of Natural History (2009-2010)
- National Science Foundation, panelist, Archaeology (2010)
- American Philosophical Society, Review committee, Sabbatical Fellowships (2009)
- Editorial Board, Journal of Anthropological Research
- Editorial Board, Pottery Southwest
- Society for American Archaeology, Elected Director (2009-2010)
- Outside Reviewer for Tenure/Promotion: University of Arizona, University of Delaware, Illinois State University, University of Hawaii (2009)
- Committee Member, Department of Anthropology Ethnology Search

Dixon, James

1. Invited Presentation: 2010. Late Pleistocene colonization Corridors Identified Through Large-scale Paleogeographic Reconstruction. Paper presented at the Alaskan Anthropological Association 37th Annual Meeting, Anchorage March 24-27, 2010, pg. 38

2. Invited Presentation: 2010. The First colonization of the Americas: New Insights from Large-scale Paleogeographic Reconstructions. Abstract of the SAA 75th Anniversary Meeting, St. Louis, Missouri, April 14-18, 2010.
3. Invited Presentation: Monteleone, Kelly and E. James Dixon 2010. Locating Prehistoric Submerged Archaeological sites in Southeast, Alaska. In Fusion of Cultures: Abstracts of the 38th Annual Conference on Computer Applications in Quantitative Methods in Archaeology, edited by Melero, Cano, Revelles, CAA 2010, Granada, 2100
4. Invited Presentation: 2010. GIS Modeling to Locate Prehistoric Submerged Archaeological Sites in Southeastern, Alaska's Alexander Archipelago. Paper presented at the Alaskan Anthropological Association 37th Annual Meeting, Anchorage March 24-27, 2010,
5. Public Lecture: "Ice Patch Archeology", Visitors Center, Lake Clark National Park, Alaska, August 2009.
6. Public Lecture: Maxwell Museum Ancestors Lecture Presented January 2010.
7. Session Chair: 2010. Contributed Papers in Paleoindian Archaeology. 75th Anniversary Meeting of the Society for American Archaeology, St. Louis, Missouri, April 14-18, 2010

- Manuscript reviewer: Journal of Archaeological Research, American Antiquity.
- Proposal Reviewer: National Science Foundation, National Geographic Society.
- Member, Board of Directors, Lamb Spring Archaeological Preserve, Douglas Co., CO.
- Chair, Hibben Allocation Committee
- Chair, UNM Museum Council
- Chair, Museum Studies Working Group
- Member, A&S Dean's budget committee
- Examiner, Graduate Qualify Exams, Department of Anthropology, Spring 2010
- Member, Promotion and Tenure Committee, Department of Anthropology, Dr. Keith Prufer. (2009-10)
- Member, Board of Directors, Ortiz Center for Intercultural Studies
- Joint Standing Committee: Board of Archaeologists
- Member, Clark Field Archive & Library (CFAL) Policy Committee
- Annual Faculty Review Committee, Department of Anthropology
- Member Clark Field Library and Archive Committee
- Member, Board of Directors, Maxwell Museum Association.
- Member, Strategic Planning Committee, Maxwell Museum Association
- Member, Executive Committee, Maxwell Museum Association

Dinwoodie, David

1. McBean and Boucher: The Cultural Influences of the Pacific Northwest Metis at Fort Chilcotin, 1830s-40s. Paper presented in the Session Fur Traders' Lives and Identities at the 2010 Rupertsland Studies Colloquium. Winnipeg, Manitoba, May 20-22, 2010.
2. Boasian Depictions of Tsilhqut'in Catholicism. Paper presented in the George W. Stocking Symposium in the History of Anthropology, session organized by Harriet Lyons at the 108th Annual Meetings of the American Anthropological Association, Philadelphia, Pennsylvania, December 2-6 2009.
3. Land Claims and the Canadian Anthropological Tradition. Paper presented in the session Contemporary Ethnography and the Influence of Histories of Anthropological Representation, a session organized by Suzanne Oakdale and David W. Dinwoodie at the Annual Meetings of the American Society for Ethnohistory, September 30-October 3, New Orleans, Louisiana.

Edgar, Heather

1. Anthropological applications of orthodontic records. Presented at Nova Southeastern University Orthodontic Program, Miami, Florida. 2009.
2. The anthropological value of dental morphology. Presented at the meetings of the New Mexico Dental Association, Albuquerque. 2009.
3. Mosley, C. and **Edgar, H.J.H.,** A census-based investigation of relationships between Huntington's Disease, traditional lifeways, and fertility. American Association of Physical Anthropologists Annual Meeting. Albuquerque, NM. 2010.

Emery Thompson, Melissa

1. Presentation, American Association of Physical Anthropologists 79th Annual Meeting, "Inter- and intra-population variation in aggression by adult male chimpanzees", with M. N. Muller, N. E. Newton-Fisher, I. Gilby, Z. Machanda, K. Zuberbuhler, and R. Wrangham. April 14-17, 2010. Albuquerque, NM.
2. Invited Lecture, EvoS Seminar Series, Binghamton University. "The Hidden Lives of Female Apes." May 7, 2010. Binghamton, NY.
3. Invited Lecture, 3rd Annual Women in Science Speaker, Indiana State University, "Hormones and the Hidden Lives of Female Apes." February 23, 2010. Terra Haute, IN.

- Co-chair, Anthropology Colloquia Series Committee, Department of Anthropology, University of New Mexico
- Co-director, Hominoid Reproductive Ecology Laboratory, University of New Mexico
- Member, International Union for Conservation of Nature, Species Survival Commission (IUCN-SSC) Primate Specialist Group
- Member, Scientific Committee, International Primatological Society 23rd Congress, held in Kyoto, Japan

- Member, Local Arrangements Committee, American Association of Physical Anthropologists 79th Annual Meeting, held in Albuquerque, NM
- Grant, The Leakey Foundation, "Stress and the Costs of Reproduction in Wild Female Chimpanzees," Role: PI
- Grant, National Science Foundation, "Stress, Energetics and the Costs of Reproduction in Wild Chimpanzees, Role: Co-PI
- Grant, National Science Foundation, "Understanding the Role of Ecology in Orangutan Reproduction, Role: local PI
- Grant, American Association of Physical Anthropologists, "Energetics of Lactation in Chimpanzees", Role: PI
- Reviewer: *American Journal of Human Biology, American Journal of Primatology, Animal Behaviour, Biological Reviews, Current Biology, Hormones and Behavior, International Journal of Primatology, Physiology and Behavior, Evolution of Primate Societies* (U. of Chicago Press)
- Proposal Reviewer: National Science Foundation, Graduate Women in Science Fellowships
- Website development, Yayasan Palung Orangutan Conservation (http://www.saveGPorangutans.com)
- Website development, Gunung Palung Orangutan Project (http://people.bu.edu/orang/)
- Website development, Kibale Chimpanzee Project (http://www.fas.harvard.edu/~kibale)

Feld, Steven

1. My film "A POR POR FUNERAL FOR ASHIRIFIE" (from the Jazz Cosmopolitanism in Accra trilogy) won the Prix Bartók at the Paris International Film Festival Bilan du Film Ethnographique. (The Prix Bartók is the largest prize given annually for a music documentary film)
2. Delivered The Charles Seeger Lecture to the Society for Ethnomusicology Annual Meeting, November 2009, Mexico City. (The Seeger Lecture is the Society's highest honor and major event of the annual meeting)
3. Delivered the Keynote Address to The British Forum for Ethnomusicology Annual Meeting, April 2010, Oxford, UK. (The Keynote Lecture is the BFE's highest honor and major event of the annual meeting.)
4. Delivered a Keynote Lecture to the World Forum For Acoustic Ecology meeting, Koli, Finland, June 2010.
5. Performed "Bufo Variations" with Nii Otoo Annan (Ghana) in New York at "Ear to the Earth" Festival
6. Invited Lectures at University of Oslo, University of Copenhagen, Duke University, Williams College, UCLA, Open University (UK).

- Five months field research in Accra, Ghana, continuation of a project since 2005 on Jazz Cosmopolitanism in Accra

- Tides Foundation grant ($11K) for Bosavi Digital Archive Project; work toward completion of digital archive of print, audio, video, photographic materials from 25 years reach in Bosavi, Papua New Guinea.

Field, Les

- Director, UNM Peace Studies Program
- Wenner-Gren Foundation for Anthropological Research, International Workshop Grant
- Fulbright Research/Lecturing Fellowship
- Scholar-in-Residence, University of Western Ontario, October 27-29 (Three Lectures/Workshops)

Graves, Michael

1. McCoy, M.D., M W. Graves, G. Asner, and K. Prufer, Research Applications of Lidar in Archaeology: A Case Study in Reconstructing Irrigated Agriculture in the Hawaiian Islands. Paper to be presented in the session, Three Dimensional Modeling at the 75th Annual Meeting of the Society for American Archaeology, St. Louis, MO. April 14-18, 2010.
2. Graves, M.W., Modeling the Evolutionary Ecology of Hawaiian Complex Chiefdoms: A Case Study from Hawai'i Island and Maui. Invited colloquium, Institute for Archaeology, University College London. London, UK, December 2009.
3. Stephen, J., M.W. Graves, M.D. McCoy, and T.N. Ladefoged, Tracking Changes in Monumental Religious Architecture: Maui and Hawai'i Island. Paper presented at the 9th Indo-Pacific Prehistory Association Meeting, Hanoi, Vietnam, December 2009.
4. Graves, M.W., and M. D. McCoy, The Expansion of Irrigated Agriculture into Kohala, Hawai'i Island. Paper presented at the 9th Indo-Pacific Prehistory Association Meeting, Hanoi, Vietnam, December 2009.
5. McCoy, M.D., and M.W. Graves, Agricultural Development in Windward Kohala. Paper Presented in "Households and Agriculture in Ancient Kohala" at the 19th Annual Meeting of the Society for Hawaiian Archaeology, University of Hawai'I Honolulu, HI. October 23-25. 2009.

- Editorial Board Member, Asian Perspectives, University of Hawaii Press, Honolulu, HI, 2009-2010.
- Panelist, National Science Foundation, Graduate Research Fellowship Program, Arlington, VA February 2010.

Hayashida, Frances

- Director, Ynalche Archaeological Project Proposal reviewer: National Science Foundation Manuscript Reviewer: Journal of Anthropological Research, Journal of Archaeological Research, Member, Committee on the Americas, Society for American Archaeology Member, Asociación Amigos del Museo Sicán, advisory group for the Sicán National Museum, Ferreñafe, Peru.

- Member, Grants and Awards Committee, Latin American and Iberian Institute Led workshop on postdoctoral opportunities for Department of Anthropology graduate students Fall 2009
- Ongoing. National Science Foundation, --The Ynalche Project: Political Ecology of Late Prehispanic Agriculture on the North Coast of Peru,|| PI: Frances Hayashida, fund 2RB17, 09/01/08 - 08/31/10, $259,048
- New. Graduate Recruitment Grant (proposal written on behalf of the Dept. of Anthropology), Office of Graduate Studies, University of New Mexico, grant to update web-based information on current graduate students and student opportunities through support of a graduate student assistant ($1500) 2010

Huckell, Bruce

1. Organized (with J. David Kilby) a Symposium at the 75th Annual Meeting of the Society for American Archaeology, St. Louis, Missouri (*Clovis Caches: Windows into Early Paleoindian Technological Organization and Land Use*) 2010
2. Presented a paper in the Clovis Caches symposium (*But How Do We Know It's Clovis? Perspectives from North Dakota on the Attribution of Caches*, first author with J. David Kilby 2010
3. Presented a paper in the Paleoindian Studies general session at the 75th Annual Meeting of the Society for American Archaeology (*Interstate 25 or 40? Variation in Folsom Mobility Patterns in the Middle Ro Grande Basin of New Mexico*, third author with Matthew J. O'Brien and Christopher Merriman) 2010.
4. Presented a public lecture to the Southwest Seminars Spring 2010 Ancient Sites, Ancient Stories Lecture Series, Santa Fe. (*Boca Negra Wash Folsom Site: Ancient Hunters, Urban Development, and the Challenges of Site Preservation*) 2010
5. Presented a public lecture in the Petroglyph National Monument Summer Evening Lecture Series (*Archaeology of the Boca Negra Wash Folsom Site*) 2010.

- Reviewed article manuscripts for American Antiquity (2), Current Research in the Pleistocene (2).
- Grant: National Park Service, Southwestern Region, Colorado Plateau Cooperative Ecosystem Studies Unit; *Archaeological Assessment of the Hidden Ridge Site in Tonto National Monument (FY10)* ($29,929) (award to Maxwell Museum)
- Continued to serve as a member of the Anthropology Department newsletter committee and as Maxwell Museum representative to the Graduate Committee on Hibben scholarship matters
- Served as Chair and as a member of the University of New Mexico Press Committee
- Served as Secretary for Phi Beta Kappa, Alpha of New Mexico chapter
- Continued investigation of the Beach Clovis Cache, southwestern North Dakota

- Conducted archaeological test excavations at the Hidden Ridge site, Tonto National Monument, central Arizon
- Taught UNM Southwestern Archaeological Field School

Hunley, Keith

1. Invited Presentation: Genes and language in the Americas. American Association of Physical Anthropologists. Albuquerque. American Journal of Physical Anthropology. 141: S50. 2010.
2. Invited Presentation: New evidence for natural selection acting at the ALDH locus. American Association of Physical Anthropologists. Albuquerque. American Journal of Physical Anthropology. 141: S50. 2010.
3. Invited Presentation: Analysis of global gene identity reveals a history of serial founder effects, admixture between long-diverged Oceanic groups, and interbreeding with archaic humans. American Association of Physical Anthropologists. Albuquerque. American Journal of Physical Anthropology. 141: S50. 201 2010.

- The cultural and biological significance of ethnic substructure in New Mexicans Hispanics. National Science Foundation. PI: Keith Hunley. $327,703. 2010.
- Timothy Peterson. Committee member. Taxonomic implications of basicranial variation in *Australopithecus africanus.*
- Wendy Potter. Committee member. Evidence for a change in the rate of aging of osteological indicators in American documented skeletal samples
- Chair, Undergraduate Committee (2010-11)

Kaplan, Hillard

1. Hooper , Paul L., **Hillard S. Kaplan,** Jeffrey Winking, and Michael Gurven. Do parents work harder when there are more mouths to feed? Or: Sovietizing Evolutionary Economics. AGSU Graduate Research Symposium, UNM. March 27, 2010.
2. **Kaplan, Hillard S.**, Michael Gurven, Jeffrey Winking, Jonathan Stieglitz, Paul L. Hooper and Katherine Hinde. The co-evolution of the aging process, lifespan, and intergenerational transfers. 26th International Population Conference, Marrakech, Morocco. September 28, 2009.
3. **Kaplan, Hillard S.,** Michael Gurven, Jeffrey Winking, Paul L. Hooper, and Jonathan Stieglitz Learning, menopause, and the human adaptive complex. NY Academy of Sciences Workshop on Reproductive Aging. June 5, 2009.

- Editorial Board for Human Nature, Biodemography and Social Biology, and Advances in Life Course Research
- Mentored 6 UNM students in the field in 2009-10, and four students from UCSB.
- Received an R56 grant from the National Institute on Aging, and submitted an R01 grant for five years that was approved for funding.

Lancaster, Jane

1. Invited Presentation: The hormonal platform for conception in natural fertility populations. JB Lancaster and LC Alvarado, Department of Anthropology, University of New Mexico. Human Biology Association annual meetings, Albuquerque, NM, April 14-16, 2010.
2. Invited Presentation: The hormonal platform for conception in natural fertility populations: Lactation, ovulation and mate choice. JB Lancaster and LC Alvarado, Department of Anthropology, University of New Mexico. Human Behavior and Evolution Society annual meetings, Eugene, OR, June 16-20, 2010.

- Local coordinator in collaboration of Barry Hewlett of workshop, Pygmy hunter-gatherers and horticulturalist farmers in the Congo Basin, UNM Campus, February 17, 2010.
- Moderator, Pulse of the Planet: Ecologists' diagnosis and treatment recommendations for global sustainability – public policy implications. Annual meeting, Ecological Association of America, Albuquerque, NM, August 2009.
- Faculty Sponsor, Primate Enrichment Program, Rio Grande Zoo – Albuquerque, 2002 – date.
- Board Member, El Ranchito de Monocito, Tres Pedres NM. A nonprofit refuge organization dedicated to primate welfare.
- Editor, *Human Nature*

Long, Jeff

1. Sarah Joyce, Keith Hunley and Jeffrey C. Long. Genetic analyses reveal a history of serial founder effects, admixture between long separated founding populations in Oceania, and interbreeding with archaic humans. Presented at 79th Annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM April 14 – 17.
2. Jeffrey C. Long and Keith Hunley, New evidence for natural selection acting at the ALDH2 locus. Presented at 79th Annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM April 14 – 17.
3. Nicole M. Scott and Jeffrey C. Long, The effects of ancestry models and ascertainment on methods of detecting population structure. Presented at 79th Annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM April 14 – 17.

- NSF proposal #0850997 Title: Pattern and Process in Human DNA Sequence Variation. This grant was awarded in Fall 2009. Its duration is 3 years and total costs are $264,000.
- Wiley-Blackwell Sponsorship for Symposium at AAPA meeting. The American Association of Physical Anthropologists awarded $6,500 to the symposium "New Developments in the Origins and Evolution of Native American Populations" organized by me and Maria Catira Bortolini (Department of Genetics, UFRDS, Brazil). These funds supported travel for three international scholars.
- Promotion Committee for James Boone.

- Member: Ad Hoc Committee on 'Direct to Consumer Genetic Testing', American Society of Human Genetics.
- Member: NIH/CSR Special Emphasis Panel (Grant Review). Genes, Genomes, Genetics – J. November 2009, San Francisco.
- Key Note Speaker: Faces of America Teacher Training Institute. Talk Title – Genetic Markers and Ancestry. Delivered Feb 19 & Feb 20, 2010 at the New Mexico Museum of Natural History, Albuquerque.
- Participant in Advanced Seminar – Rethinking Race and Science: Biology, Genes, and Culture. Held at School for Advanced Research, Santa Fe, NM, May 2 – May 6, 2010. I submitted a paper titled, 'The Aimless Genome'.
- Member: Advisory Council for Program in Interdisciplinary Biomedical and Biological Sciences.
- Member: Transdisciplinary "Race" Working Groups – Institute for the Study of "Race" and Social Justics RWJF Center for Health Policy.
- Member: Advisory Board of Alfonso Ortiz Center for Intercultural Studies.

Muller, Martin

1. Invited Presentation: Southern California Primate Research Forum (SCPRF). Cal State Fullerton, Fullerton, CA. Male sexual coercion and female choice in wild chimpanzees."April 24, 2010
2. American Association of Physical Anthropologists, Annual Meeting. Albuquerque, NM. Reproduction and resistance to stress in wild chimpanzees (Abstract: *Am J Phys Anth*) April 2010

- Stress, energetics and the costs of reproduction in wild chimpanzees, MN Muller, M Emery Thompson & RW Wrangham. National Science Foundation, $76,605 (All UNM funding)
- Stress and the costs of reproduction in wild female chimpanzees. M Emery Thompson, MN Muller & RW Wrangham L.S.B. Leakey Foundation 2010 ($21,700)
- Member, Graduate student committee
- Consultant: Maxwell Museum: Ancestors Exhibit
- Human Biology Association. Local-area coordinator for annual meetings in Albuquerque, NM (April)
- Reviewer for: *Current Biology* (2 manuscripts), *Hormones and Behavior* (1 manuscript), *Behaviour* (1 manuscript), *Animal Behaviour* (1 article), L.S.B. Leakey Foundation (1 grant proposal)

Nelson, Sherry

1. Paleoecology of *Oreopithecus bambolii* faunas (Tuscany and Sardinia): stable isotopic analyses results; Rook and Nelson; Regional Committee on Mediterranean NeogeneStratigraphy; Italy; 2009.
2. Systematics and paleoecology of diverse species of Equidae from the Pleistocene locality of Makayuni, Northern Tanzania; Wolf, Bernor, Kaiser, Nelson, and Semprebon; Meeting of the Society of Vertebrate Paleontology; Great Britain; 2009.

3. Miocene: Dawn and demise of the apes; Seminar Series, Department of Earth and Planetary Sciences, University of New Mexico; 2009.
4. Paleoecology of *Oreopithecus* faunas based on stable isotopic analyses; Nelson and Rook; American Association of Physical Anthropologists; Albuquerque, New Mexico; 2010.

- Radio interview for NPR, Pasadena. The discovery of *Australopithecus sediba*. 2010.

Oakdale, Suzanne

1. Presentation: "Culture as National Resource: The Role of the Xingu Indigenous Park in Mid-Twentieth Century Brazil;" Paper presented at the Annual Meeting of American Society of Ethnohistory, New Orleans, Louisiana, September 2009.
2. Presentation: "Material Culture and the Creation of the Xingu National Park in Mid-Twentieth Century Brazil;" Paper discussed in the forum "Redefining Language Groups and Culture Area" at Seventh Sesquiannual Meeting of the Society for the Anthropology of Lowland South America, San Antonio, Texas, January 2009.
3. Conference Session: "Ethnography and Histories of Anthropological Representation;" Co-organized session with David Dinwoodie at the Annual Meeting of American Society of Ethnohistory, New Orleans, Louisiana, September 2009.

- "Autobiographical And Biographical Narratives In Lowland South America: Unexpected Relations Between Persons, Language, And History" Suzanne Oakdale and Magnus Course Wenner-Gren Foundation for Anthropological Research, Workshop Grant US $7,718 for a workshop to be held in September at the University of Edinburgh 2010
- "Autobiographical And Biographical Narratives In Lowland South America: Unexpected Relations Between Persons, Language, And History" Magnus Course and Suzanne Oakdale. British Academy (Small Research Grant) 2010. 3,924.00 British Pounds for a workshop to be held in September 2010 at the University of Edinburgh
- Member of a four-person group functioning as the book review editor for the *Journal of Anthropological Research*
- Member of Advisory Board for *Tipití: Journal of the Society for the Anthropology of Lowland South America*
- At-large board member of the Society for the Anthropology of Lowland South America
- Chair, Graduate Committee

Pearson, O.

1. Cordero, R., V. S. Sparacello, and O. M. Pearson. The effects of terrain on cross-sectional geometric properties of the femur and tibia in two Puebloan populations from the Middle Rio Grande region. American Journal of Physical Anthropology Supplement 50: 2010.
2. Pearson, O. M., and C. M. Stojanowski. Appendicular morphology and

ecogeographic adaptations of the early Holocene skeletons from Gobero, Niger. American Journal of Physical Anthropology Supplement 50:2010

3. Sparacello, V. S., O. M. Pearson, and L. Cowgill. Growing up in the Gravettian: ontogeny of cross-sectional geometry in the lower limb. American Journal of Physical Anthropology Supplement 50: 2010.
4. Jungers, W., A. Farke, T. Sutikna, C. Ruff, L. Shackelford, J. Stock, K. Carlson, O. Pearson, and F. Grine. Long-bone geometry and skeletal biomechanics in Homo foresiensis. American Journal of Physical Anthropology Supplement 50: 2010.
5. Assefa, Z., D. Pleurdeau, E. Hovers, A. Asrat, O. Pearson, F. Duquesnoy, J.-L. Le Quellec, C. T/Tsion, Y. M. Lam. Results of the second field season of the South East Ethiopia Cave Survey Project: test excavations, survey, rock art, and spelothems Abstracts of the 2009 Annual Meeting of the Paleoanthropology Society. 2009

Prufer, Keith

1. Development and Resilience of Complex Socioeconomic Systems: A Theoretical Model and Case Study from the Maya Lowlands. Douglas J. Kennett, Yemane Asmerom, Jaime Awe, Patrick Bartlein, Kevin Cannariato, Gerald Haug, Keith M. Prufer, Bruce Winterhalder, Rebecca Zarger, Valorie Aquino, Kristina Baines, Jacob Bartruff, Sebastian Breitenbach, Brendan J. Culleton, Claire Ebert, Ethan Kalosky, Cedric Puleston, Megan K. Walsh. National Science Foundation Human and Social Dynamics Conference, Washington D.C. September 2010

- Grant awarded: Uxbenká Archaeological Project, 2010 Alphawood Foundation, February 2010 ($123,750)
- Director, Uxbenká Archaeological Project: Fieldwork in Belize March – July 2010
- IHOPE (Integrated History and Future of People on Earth) Maya working group: Organized meetings ASU, February 2010; Amerind Foundation August 2010.

Singer, Beverly

2. Indigenous Peoples' Films and Stories, Arts and Sciences Faculty Invited Seminar Presenter, Aga Khan University, Nairobi, Kenya, August 2009.
3. Digital Tools, Strategic Alliances, and the Protection of Traditional Knowledge B. Singer, Associate Professor, Department of Anthropology and Native American Studies, University of New Mexico J. Garcia, Director, Iberoamerican Science Technology and Education Consortium, University of New Mexico, J. van der Elst, Ph.D. Candidate, Department of Anthropology, University of New Mexico. Paper accepted to International Conference on Digital Scholarship and Emerging Technologies (Organized Jointly by University of Botswana, University of Pretoria (South Africa) and Council for Scientific and Industrial Research CSIR (South Africa) from 25-27 May 2010.

- Acting Director, Native American Studies, University of New Mexico, Albuquerque, NM, August 2009-July 2010.
- Director, Institute for American Indian Research UNM
- Mellon Fellowship Mentor, Edward Jolie and Jacobo Baca, UNM Anthropology and History Departments Mellon Fellowship Recipients for Doctoral Students in Social and Humanistic Studies, 2008-Present.
- "Massai Video Archive" UNM Research Academic Proposal funded, 2009, $4,000

Straus, Lawrence

1. Delivered the Hallam L. Movius Jr. Lecture in Stone Age Prehistory at Harvard University (Peabody Museum) on the Magdalenian Culture of Europe. 2010
2. Gave talks to the Town of Ramales de la Victoria (Cantabria, Spain) and to the L.S.B. Leakey Foundation Trustees meeting in Santa Fe on excavations in El Miron Cave. 2010
3. Co-organized and chaired special INQUA-sponsored double symposium on the human responses to Younger Dryas at the Society for American Archaeology in St. Louis. 2010
4. Presented paper on human responses to Younger Dryas in Cantabrian Spain at the SAA Meeting in St. Louis. 2010.

- Continued to serve (15^{th} year) as Editor-in-Chief, Book Review Editor and de facto Publisher of UNM's *Journal of Anthropological Research*
- Served on editorial boards of 7 European archeology/prehistory journals and 2 monograph series.
- Co-directed 14^{th} excavation campaign in El Miron Cave (Cantabria, Spain) with a field crew that included 4 UNM grad & undergrad students. Dug in Magdalenian and Solutrean levels; discovered the first Magdalenian human burial to be found in Iberia, dated by $^{C}14$ to 15,700 BP Gave tours of the site to American Museum of Natural History group, and to Prof. Henry and Dr. Marie-Antoinette de Lumley (Institut de Paleontologie Humaine, Paris) and Monaco's Ambassador to Spain.
- Continued to serve as member of the U.S. National Committee for INQUA (International Union for Quaternary Research), appointed by the National Academy of Sciences (3^{rd} term) and as U.S. representative on the UISPP (International Union of Pre- and Proto-historic Sciences) Commission on the Upper Paleolithic of Europe.
- Continued to be an Associate Member of the Instituto Internacional de Investigaciones Prehistoricas, Universidad de Cantabria, Santander, Spain.
- Reviewed 24 manuscripts (for publishing houses and journals other than *JAR)* and grant proposals. Did *Habilitation* review (Full Prof.) for Universitat Tubingen (Germany), promotion review (Full Prof.) for Texas Tech U., and tenure and promotion review for Univ.of Massachusetts.
- Archeology Subfield Convener
- Member of the Anthropology Advisory Group
- Chair, Clark Field Library Committee

- Library Liaison for Anthropology
- Anthropology French & Spanish Language Examiner
- Chair of an Anthropology promotion (to Full Prof.) review committee
- Gave three science magazine interviews (*Science News* (2) & *Scientific American.*
- Publicity spot on Asturian Paleolithic cave art for the Regional Government of Asturias (Spain) for the Expo in Shanghai, China.

Graduate and Undergraduate Student Presentations, Papers, Published Abstracts

Anthropology graduate and undergraduate students presented more than 70 research and training papers in 2009-2010 at a variety of UNM, New Mexico, national, and in some cases, international conferences and meetings.

1. **Adler, K.**, Register, Reflexivity and the Ethnography of Contemporary Zinacantán, American Anthropological Association Annual Meeting, Philadelphia, PA. 2009.
2. **Adler, K.,** Theory and Politics in the Ethnography and Ethnohistory of Evon Vogt, Annual Meeting of the American Society for Ethnohistory, New Orleans, LA. 2009.
3. **Allen-Arave**, W. Social Network Audience Effects on Public Goods Provisioning. SASci Symposium: Issues in Anthropological Sciences II, 6th Annual Society for Anthropological Sciences Meeting held jointly with the 39th Annual Society for Cross-Cultural Research Meeting, February 18th. 2010.
4. **Alvardo, Louis**, Prostate Cancer Disparities and Population Comparisons of Total and Free Testosterone Measures in Young Men. Poster presentation. Annual Meeting of the American Association of Physical Anthropologists. Albuquerque, NM. 2010.
5. Lancaster J.B., **L.C. Alvarado**. The hormonal platform for conception in natural fertility populations: Lactation and ovulation. Annual Meeting of the Human Biology Association. Albuquerque, NM. 2010.
6. **Biel, Ilse.** Mapping Protest. Presented at AGSU Graduate Research Symposium, UNM. March 27, 2010.
7. **Boyd-Dyer, Jennifer**. Colono Wares and Pueblo-Spanish Syncretism. Paper presented at the Society for Historical Archaeology Conference on Historical and Underwater Archaeology. Jacksonville, FL. January 2010.
8. **Bruna, Sean**. Sowing the seeds for the future to honor Tigua history and tradition (Community-Driven Approaches to Addressing Health Disparities). Southwest Social Science Association. Panel: Diverse Approaches to Health Policy. Houston, TX 2010.

9. **Carrington, Jara,** "Love Exiles": Binational Same Sex Couples and National Belonging in the United States Frieda Butler Lecture, Anthropology Graduate Student Union Symposium, University of New Mexico, Albuquerque, 2010.
10. **Constan, Connie I.,** Estimation of Original Pottery Firing Temperature through X-ray Diffraction. Poster presented at the Clay Minerals Society 46th Annual Meeting, Billings, MT. 2009.
11. **Cordero, Robin M.** and Peggy Gerow Rethinking Developmental Period Site Structure in the Middle Rio Grande Valley. Paper presented at the 82nd annual Pecos Conference, Cortez, CO. 2009.
12. **Cordero, Robin M.** and Alexander Kurota New Research on Classic Period Ancestral Pueblo Agricultural Sites on the West Mesa of Albuquerque. New Mexico Archaeological Council 2009 Fall Conference, Albuquerque. 2009.
13. **Cordero, Robin M.**, **Vitale Sparacello,** and Osbjorn Pearson The effects of terrain on cross-sectional geometric properties of the femur and tibia in two Puebloan populations from the Middle Rio Grande region. Poster presented at the 79th Annual Meeting of the American Association of Physical Anthropologists, Albuquerque 2010 .
14. **Cyganik, Jagna Maria.** Powwow as a contemporary hybrid ritual in the context of non-Native participation. Presented at AGSU Graduate Research Symposium, UNM. March 27, 2010
15. **Daneshvari, S.,** Subtrochanteric Dimensions: Where, oh where to measure? *American Journal of Physical Anthropology* Supplement 50: 90. 2010
16. Kroth P, Edgar H, Harris E, Kalishman S, and **Daneshvari S** Ancestry Estimation in a Web-based, Searchable Database of Orthodontic Case Files for Patient Care, Education, and Research. 13th World Congress on Medical and Health Informatics Medinfo, Cape Town, South Africa. 2010
17. **Daneshvari, S**. Body mass revisted: a new method to improve the accuracy of individual estimates. *American Journal of Physical Anthropology* Supplement 48:114. 2009
18. Pearson, O.M., **Daneshvari, S and Sparacello, V.S.** Relationships among skeletal dimensions correlated with body mass. *American Journal of physical Anthropology* Supplement 48:208-209. 2009.
19. **Ebert, Claire.** The Social Landscape at Uxbenká: Viewshed Analysis at a Lowland Maya Site. . Presented at AGSU Graduate Research Symposium, UNM. March 27, 2010
20. **Fontes, Lisa M., Amy E. Thompson**, and **C.L. Kieffer** Identification and Analysis of Archaeological and Ethnographic Arrow Shafts from the Maxwell Museum Collection. Presented at the Anthropology Graduate Student Union Annual Graduate Research Symposium, University of New Mexico, Albuquerque, New Mexico. 2010
21. **Gabe, Caroline**, *Plaza Communities and the Vecino Household: An Archaeological Perspective*. Paper presented at the Society for American Archaeology Meetings in St. Louis, MO, 2010.
22. **Gantt, Sean**, Video, "Stickball: Grandfather of All Sports, Little Brother of War," (2008) 17 minutes, presented at the 8th Native American Symposium

and Film Festival: Images, Imaginations, and Beyond, Southeastern Oklahoma State University, Durant, OK, November 4-6, 2009.

23. **Gantt, Sean**, Paper, "Anthropology Outside the Academy," Critical Engagement with Public Anthropology Award recipient, presented at the 1st Annual Public Anthropology Colloquium, University of New Mexico, Albuquerque, NM, May 7, 2009.
24. **Geib, Phil R**. *Basketmaker II Occupation of the Navajo Mountain Region.* Pecos Conference, Cortez, CO (first author with Kimberly Spurr). 2009.
25. **Geib, Phil R.**, *Reconsidering Maize Pollen Counts from Chaco Canyon Based on Experimental Findings.* Paper presented at the 74th Annual Meeting of the Society for American Archaeology, Atlanta (senior author with Carrie C. Heitman). 2009.
26. **Geib, Phil R.,** and **Edward A. Jolie** Direct Evidence of Early Holocene Dietary Expansion on the Colorado Plateau: Interpreting the Constituents of Dated Human Feces. Paper presented at the 75th annual meetings of the Society for American Archaeology, St. Louis, Missouri. 2010.
27. **Geib, Phil R.**, and **Edward A. Jolie** Seeds of Change: Early Holocene Subsistence Diversification and Technological Change Across the Desert West. Organized and chaired for the 75th annual meetings of the Society for American Archaeology, St. Louis, Missouri. 2010.
28. **Healy M.E.** Genetic Ancestry and Sociocultural Variation in New Mexicans of Spanish-speaking descent. Poster presented at Santa Fe GRD Research Symposium, Santa Fe, NM, February 7, 2010.
29. **Healy M.**E Genetic Ancestry and Sociocultural Variation in New Mexicans of Spanish-speaking Descent. A Poster Presented at AGSU Graduate Research Symposium, UNM. March 27, 2010.
30. **Heying, S.** "Guatemala's War Orphans: Thriving and Hope despite Adversity," Society for Cross-Cultural Research Annual Meeting, Albuquerque, NM. 2010.
31. **Heying, S.** "Thriving in the Face of Adversity: Guatemalan War Orphan Experiences in Overcoming Trauma and Loss," American Anthropological Association Annual Meetings, Philadelphia, PA. 2009.
32. **Hogan, Lisa** Poster: Constrained development of language processing: Ontogenetic organization of the developing petrosal conditions early human speech perception. Annual Meeting of the American Association of Physical Anthropologist, Albuquerque, NM 2010.
33. **Hooper , Paul L.**, Hillard S. Kaplan, Jeffrey Winking, and Michael Gurven. Do parents work harder when there are more mouths to feed? Or: Sovietizing Evolutionary Economics. AGSU Graduate Research Symposium, UNM. March 27, 2010.
34. Hillard S. Kaplan, **Paul L. Hooper**, and Eric Schniter. Ecology, demography, and social organization: How strategic interactions unfold over historical time. Author meets critics: The depopulation of Hispanic America after the conquest: Old and new interpretations. PAA 2010 Annual Meeting, Dallas. April 16, 2010.

35. Kaplan, Hillard S., Michael Gurven, Jeffrey Winking, **Jonathan Stieglitz**, **Paul L. Hooper** and Katherine Hinde. The co-evolution of the aging process, lifespan, and intergenerational transfers. 26th International Population Conference, Marrakech, Morocco. September 28, 2009.
36. Kaplan, Hillard S., Michael Gurven, Jeffrey Winking, **Paul L. Hooper**, and **Jonathan Stieglitz** Learning, menopause, and the human adaptive complex. NY Academy of Sciences Workshop on Reproductive Aging. June 5, 2009.
37. **Kieffer, C., and K. Katagawa**. Differential Methods, Different Results:Variation in Hydrochloric Acid Treatments in Bone Collagen Preparation for Carbon and Nitrogen Stable Isotope Analysis. AGSU Graduate Research Symposium, UNM. March 27, 2010.
38. **Ibrahimpasic, Emira** "Digital Future from the Forgotten Past: Archives, Digitization and E-Curriculum"Sharing Best Practices: Culture and Identity Showcase, Title V Educational Initiatives University of New Mexico, Albuquerque, NM February 2010.
39. **Ibrahimpasic, Emira** Faith-based NGOs, Women and Islam in urban post-war Bosnia and Herzegovina" Spiritualities and Secularisms in Southeastern Europe: An Interdisciplinary Workshop Bowdoin College, Brunswick, MA October 2009.
40. **Jolie, Edward A**. Socio-cultural Diversity and Archaeology. Presentation at the 1st annual Critical Knowledge Symposium: Integrating Community, Education, and Technology in the 21st Century, April 8-9, University of New Mexico, Albuquerque. 2010.
41. **Jolie, Edward A.**, and **Phil R. Geib** Small Seeds, Basketry, and the Broad Spectrum Revolution on the Colorado Plateau. Paper presented at the 75th annual meeting of the Society for American Archaeology, St. Louis, Missouri. 2010.
42. **Jolie, Edward A.**, Pueblo Bonito's Fiber Artifacts: Implications for Chacoan Economy, Ecology and Archaeology. Presentation for School for Advanced Research Team Seminar "New Archaeological Research at Pueblo Bonito: Reopening National Geographic Society Excavations," organized by W. H. Wills and P. L. Crown, Santa Fe, New Mexico, 10-11 March, 2010.
43. **Jolie, Ruth Burgett,** The Fathering Revolution: Changes in the Division of Labor Among Urban Middle Class,Dual-Worker Couples. Paper presented at the 39th annual meetings of the Society for Cross Cultural Research, Albuquerque, New Mexico, February 17-20, 2010.
44. **Kellet, Lucas**, *Collapse, Climate Change and Conflict: A Profile of Crisis and Response in Late Andean Highland Prehistory*. Paper presented at the Graduate Archaeology at Oxford (GAO) Annual Conference entitled "Death Destruction Downturn: The Archaeology of Crises". Oxford, UK 2010.
45. **King , Jason L.** and Jane E. Buikstra. "Liturgic Sequences and Variability in Middle Woodland Floodplain Mounds." Paper presented at the 75th annual meetings of the Society for American Archaeology, St. Louis, MO 2010.

46. **Matson, Hannah,** Grayware Ceramics from the Pueblo Bonito Mounds. Presentation at the 75th Annual Meeting of the Society for American Archaeology, St. Louis, MO April 2010.
47. **Monteleone, Kelley** and James Dixon Locating Prehistoric Submerged Archaeological Sites in Southeast, Alaska presented at the Computing Application and Archaeology (CAA) conference in Granada, Spain April 2010
48. **Monteleone, Kellley,** and James Dixon. GIS modeling to Locate Prehistoric Submerged Archaeological Sites in Southeastern, Alaska's Alexander Archipelago" presented at the Alaskan Anthropology Association (AAA) annual meeting in Anchorage, AK (co-author Dixon) March 2010
49. **Mosley, C**. and Edgar, H.J.H., A census-based investigation of relationships between Huntington's Disease, traditional lifeways, and fertility. American Association of Physical Anthropologists Annual Meeting. Albuquerque, NM. 2010.
50. **Nicolae, Lavinia**, Relating Community to the Family, and the Family to National Belonging: Articulations of Kinship, Sexuality, and Citizenship in New Mexico Annual Meeting of the American Anthropological Association, Philadelphia, PA. 2009.
51. **Nicolae, Lavinia** (Re)Inventing a Gay Community Through Same-Sex Marriage Activism. National Women Studies Association, Atlanta, Ga. 2009.
52. **Okun, Adam,** The Organization of Lithic Technology, Chaco Canyon, New Mexico. Paper presented at the 75th Society for American Archaeology Annual Meetings, St. Louis. 2010.
53. **Okun, Adam**, Chronology and Sourcing: Obsidian from San Marcos Pueblo, New Mexico (with Ann Ramensofsky). Paper presented at the 75th Society for American Archaeology Annual Meetings, St. Louis. 2010.
54. **Oxley, Mark W.** Session Chair and Presenter, Archaeological Ethics in Hawaii - Society for Hawaiian Archaeology Annual Conference, University of Hawaii, Honolulu, HI October 2009.
55. **Potter, W.**E. Murder on the Mesa Brookhaven College Science Lecture Series, Dallas TX,November 2010.
56. **Potter W.E.,** Forensic anthropological and chemical contributions to the determination of cause of death: a case study. Annual Meeting of the American Association of Physical Anthropologists April 2010.
57. **Richards-Rissetto, Heather**. Studying Social Interaction at the Ancient Maya Site of Copán, Honduras: A Least-Cost Approach to Configurational Analysis. Paper presented at the 75th Society for American Archaeology Annual Meetings, St. Louis. 2010.
58. **Ruth, Sue.** Women's Toolkits: Technological Organization, Social Context, and Motor Skills. Ruth Kennedy Annual Lecture, University of New Mexico, March 2010.
59. **Saul, G**. How Family and Friends Respond to Serious Mental Illness in Rural Navajo Communities" Navajo Nation IRB Conference December 2, , Navajo Nation Museum, Window Rock, AZ. 2009

60. **Sanchez, Stephanie**, The Performance and Reinvention of Hispanic Identity through Foodways in San Rafael, New Mexico. Paper presented at the 16th Annual University of New Mexico Conference on Ibero-American Culture and Society, February 25-27. 2010
61. **Sawyer, Kelly** "'We, *Your* People': Gay Tourism and the Political Economy of Exceptional Citizenship in Philadelphia's Gayborhood," Paper presented at 'Reinstating Transgression: Emerging Political Economies of Queer Space,' an interdisciplinary conference, American University, Washington DC. April 2010.
62. **Schleher , Kari L.**, and Marit K. Munson Ceramics and Rock Art in the Northern Rio Grande: A Comparison of Design. Poster presented at the Society for American Archaeology Annual Meeting, St. Louis. 2010.
63. **Skahan, Mariann**, Grandpa, Are you sure you know Apache?": Renegotiating Language Authority on the Jicarilla Apache Reservation. Paper presented at Intergenerational Language Negotiations panel, organized by Wai Fong Chiang. Annual Meeting of the American Anthropological Association, Philadelphia, PA. December 2-6, 2009 .
64. **Staib, Patric**, Buen Productor, Buena Finca, Buen Café: Farm Maintenance and Coffee Quality in Northern Nicaragua. American Anthropological Association Annual Meeting. Philadelphia, PA. December 2009.
65. **Stone, Elisabeth A.**Usewear Patterns on Bone Tools: Comparative Standards for Archaeological Artifacts. Presentation: Society for Cross-Cultural Research. Albuquerque, NM. 2010.
66. Choyke, Alice M., Paul Duffy, **Elisabeth A. Stone**, and Ádám Vecsey Linking Generations: Beads as Funeral Offerings in the Final Neolithic. Presentation: liveARCH Conference: The Dialogue of Knowledge. Százhalombatta, Hungary. 2009.
67. **van der Elst, J.** and **H. Richards-Rissetto**, 'Rethinking Digital Data Collection and Dissemination from a User Perspective', Electronic Symposium of the Digital Data Interest Group (DDIG), Society for American Archaeology Annual Meeting, St Louis, April 15, 2010.
68. B. Singer, J. Garcia, and **J. van der Elst**, 'Digital tools, Strategic Alliances, and the Protection of Traditional Knowledge', International Conference on Digital Scholarship and Emerging Technologies (Organized Jointly by University of Botswana, University of Pretoria (South Africa) and Council for Scientific and Industrial Research CSIR (South Africa) 25-27 May 2010.
69. **Worman, F. Scott**, People, a Plague on the Planet? a landscape geoarchaeology study of Islamic Portugal. Paper presented at the 75th annual meeting of the Society for American Archaeology, St. Louis, Missouri 2010.
70. **Worman, F. Scott** Down by the River: recent geoarchaeological investigations at Alameda Pueblo (LA 421) Paper presented at the New Mexico Archaeological Council's 4th Annual Fall Conference, Albuquerque. 2009.
71. **Worman, F. Scott** New Research on Classic Period Ancestral Pueblo Agricultural Sites on the West Mesa of Albuquerque by Robin Cordero, Alex

Kurota and F. Scott Worman. Paper presented at the New Mexico Archaeological Council's 4th Annual Fall Conference, Albuquerque. 2009.

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2009-JUNE 30, 2010

PUBLICATION: *HUMAN NATURE*

During the 2009-2010 publication year, *Human Nature* received a total of 95 submissions, an increase of 30% over the previous year. Of these 56 were rejected, 17 were accepted, 7 are under revision for resubmission and 15 are still in the review process. This gives a minimal rejection rate of 59%.

Altogether Springer.Science published 449 pages of *Human Nature* in four issues, for a total of 24 articles distributed in two general issues and in two special issues: *Evolutionary Studies of Cooperation* edited by John Patton and *Gendered Inequalities in Evolutionary Perspective* edited by Monique Borgerhoff Mulder and Rebecca Bliege Bird. Special issues forthcoming are: *Extrinsic Risk* edited by Dawn Neill, *Kinship: Quantitative and Evolutionary Approaches* edited by Mary Shenk and Siobhan Mattison, and *Middle Childhood in Comparative Perspective* edited by Benjamin Campbell.

Circulation of the journal continues to grow. In 2009 *Human Nature* had 104 Institutional subscriptions as well as 181 online agreements (consortia, multi-site licenses, and site licenses). In total, as the result of the 181 online deals, 4,790 more institutions have exposure to *Human Nature* according to the following demographic breakdown:

Region	Number of Agreements	Institutional Exposure Type	2009
Africa	0	Institutions with exposure via online deals	0
Australasia	53	Institutions with exposure via online deals	1,048
Americas	75	Institutions with exposure via online deals	994
Europe	53	Institutions with exposure via online deals	2,748
Grand Total	**181**		**4,790**

Springer also reports an increase in Full-Text Downloads of 79% from 19,412 in 2008 to 34,795 in 2009. The *Scimago Journal Rank* for Human Nature in 2009 is 19th out of 333 Social Science (miscellaneous) journals. Its SJR rating is 0.073. SJR is a measure of the journal's relative impact on its field, based on the number of citations and number of articles per publication year as well as the ranking of the citing journals. The *Journal Citation Reports* ranking for 2009 is 11th out of 67 Anthropology journals and 8th out of 33 Social Science/Biomedical journals. The recently announced 5-year Impact Factor is 1.600.

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2009-JUNE 30, 2010

PUBLICATION:
JOURNAL OF ANTHROPOLOGICAL RESEARCH (JAR)

In calendar year 2009, JAR received and reviewed 70 manuscripts. Each manuscript was read by the editor and two to four specialists. 28 manuscripts were received between January and June 2010. We have continued to note an increase in submissions from foreign authors. This brings JAR (and UNM) increased international exposure.

JAR has maintained its subscription base with ca. 1000 paying subscribers from all 50 states, Washington D.C., Puerto Rico, and Guam, plus 55 foreign countries. Free subscriptions are provided to UNM Anthropology Faculty, JAR Editorial Board, Dean of Arts & Sciences, President, Zimmerman Library, Clark Field Archive, as well as indexing agencies both in the U.S. and abroad.

Volume 65, 2009 contained 690 printed pages: 23 articles, a review essay, plus editorials, obituaries, 123 book reviews, and index. Volume 65(2) was a special issue on The Iberian Pleistocene-Holocene Transition with guest editors Steven Schmich and Sarah B. McClure.

Subscribership to JAR On-Line continued to increase from an initial 63 subscribers in 2006, to 166 currently. A pay-per-download feature for non-subscribers will be added to our electronic access.

JAR Distinguished Lectures 2009-2010

Dr. George J. Armelagos (Emory University).
Omnivore's Dilemma: The Evolution of the Brain and the Determinates of Food Choice. November 6, 2009

Dr. Walter Mignolo (Duke University)
The Global South and World Dis/Order
March 4, 2010

Editor:
Lawrence G. Straus, Distinguished Professor

Editorial Board:
Philip K. Bock, Patricia Crown, Steven Feld, Les Field, Louise Lamphere, Carole Nagengast, and David Stuart, together with Lawrence G. Straus, now make up the Board.

ANTHROPOLOGY, July 1, 2009-June 30, 2010
Prepared by: Jennifer George, Department Administrator

Associate Editors: Steven Churchill (Duke University), John Comaroff (University of Chicago), Raymond DeMallie (Indiana University), E. Paul Durrenberger (Pennsylvania State University), Donald K. Grayson (University of Washington - Seattle), Michael Herzfeld (Harvard University), Jane Hill (University of Arizona), Barbara Mills (University of Arizona), Mary Moran (Colgate University), Jeremy A. Sabloff (Santa Fe Institute), Maureen Trudelle Schwarz (Syracuse University), Bruce Smith (Smithsonian, National Museum of Natural History), Mary C. Stiner (University of Arizona), Stephen A. Tyler (Rice University)

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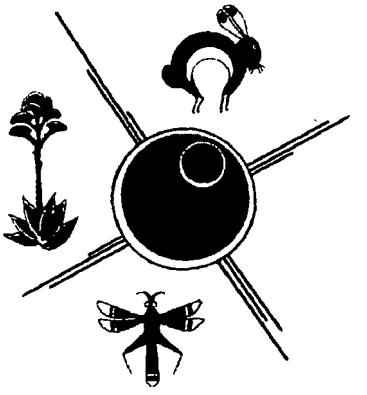
JAR On-Line: Hosted by the Scholarly Publishing Office, University of Michigan

ANNUAL REPORT
of the
DEPARTMENT of BIOLOGY



FY 2009–10
Annual Report
by:

Richard M. Cripps, Chair
Department of Biology
The University of New Mexico

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THE UNIVERSITY OF NEW MEXICO
DEPARTMENT OF BIOLOGY

FY 2009–2010
EXECUTIVE SUMMARY

The 2009–2010 academic year was yet another tumultuous one at UNM, and Biology also shared in some of that uncertainty. An audit of the department's payroll practices uncovered some issues that were of concern to the administration, which resulted in significant disciplinary action upon the department, to include the loss of one staff member, the suspension of another, and a third staff member receiving a written warning. Inexplicably, the Chair has still yet to hear word of his disciplinary action, an act which unfortunately underlines the different rules that are applied to faculty and staff.

Other than this bump in the road, the Biology Department once again achieved terrific success by all of the measures that can possibly be applied, as you will read of below. While we are still facing significant cuts in state support for our units, it is hoped that the department will be shown sufficient freedom to use its resources wisely, in order to build upon these impressive achievements.

2009–10 AT A GLANCE

Undergraduate Students:

1. Number of declared Biology majors 1,730
2. Number of graduated majors 207
3. Number of students enrolled in non-majors classes 3,592
4. Total SCH production 27,273
5. Number of undergraduates performing research 143

Graduate Students:

6. Number of graduate students 104
7. Number of graduate degrees awarded 15

Faculty:

8. Number of faculty 45
   Number of retirements 0
   Number of new hires 1
   Number of vacancies 3
9. Number and amount of new grants generated 111
   ..... $22,879,807
10. Number and total amount of grants active 189
    ..... $56,396,057
11. Number of research papers generated by faculty 106

Staff:

12.	Number of I&G permanent staff in Biology	34
	Number of separations this year	3
	Number of hires this year	1
	Number of vacancies	6
13.	Number of total staff employed by Biology	143
	Number of separations this year	51
	Number of hires this year	70

STUDENTS

Undergraduate Program

Overall Demand on Biology Courses and Programs: The overall demand upon Biology courses continues to increase. Our total SCH production for the year increased slightly over last year (see Table 2), and we will be responsible for 30,000 SCH/year in the next year or so if the current trend continues. This number of SCH produced is one of the top four in the College of Arts & Sciences.

The number of declared Biology majors sky-rocketed once again, increasing by almost 20% over last year. While some of these majors are likely to be those who subsequently move on to pre-professional activities (like Nursing, Pharmacy, etc.), their existence and presence nevertheless places significant loads upon our instructors and support staff. As I pointed out last year, this large number of majors also supports strong enrollments in other departments within the college, such as Chemistry, Maths and Physics. A typical Biology major takes at least 16 credit hours of Chemistry, 8 credit hours of Physics, and 8 credit hours of Math. Thus, Biology is doing its part to make not only itself and its College look good, it is also supporting other programs that have significantly more limited numbers of majors.

We are concerned about the future rescissions that are to hit the department, and it is inevitable that these cuts will negatively impact our instruction. If we reduce the numbers of sections for a class, we will either service fewer students, or we will be forced to offer sub-par instruction to classes that have significantly increased caps. We are strongly opposed to the latter, since the effect of Cohort Crowding will negatively impact pedagogy (see http://www.nber.org/papers/w12424). Moreover, we are already working at over-capacity in many classes, given the increase in students numbers that we have recently observed, with no increase in permanent resources to compensate. Clearly, UNM is working on a budget model for the departments that is liable to fail very soon.

Therefore, it seems the most wise course, and the most practical course, to begin to reduce the number of class offerings as a result of the decreased level of state support. In fact, simple economics would dictate that this must be the case (less money in = less product out). Yet, incomprehensibly, UNM is still taking on more students, with an increase in overall enrollment more than 3% this Fall 2010. How anybody can think that this is a viable plan is unclear to me.

These concerns are all the more excruciating because we delight in instructing our students in the arcane arts of Biology, and we are thrilled that there is so much current interest in the field. This

is a time where we should be celebrating and investing in our students; however, current financial situations do not support this.

Table 1: Number of Students With a Declared Major in Biology

	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010
Undergraduate:								
A&S	856	867	889	971	1050	905	1,124	1,102
University College	397	383	436	389	551	368	579	531
Second Major	9	21	15	20	15	7	26	26
Total:	1,252	1,271	1,340	1,380	1,616	1,280	1,729	1,659
Graduate:	93	97	101	98	106	106	104	104

Table 2: Total Student Credit Hours (SCH)

Year	SCH	Year	SCH	Year	SCH
1999-00	21,882	2003-04	22,883	2007-08	26,787
2000-01	21,358	2004-05	23,270	2008-09	27,441
2001-02	21,459	2005-06	24,155	2009-10	26,873
2002-03	21,832	2006-07	24,723		

Table 3: Student Credit Hours by Semester

Semester	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Summer	1,379	1,359	1,330	1,330	1,379	1,316
Fall	11,001	11,502	11,316	12,399	12,940	13,353
Spring	10,890	11,294	12,077	13,058	13,122	12,204
Total	23,270	24,155	24,723	26,787	27,441	26,873

Table 4: Number of Students Registered in Core Courses, Fall 2006-Spring 2010

Course	Fall 2006	Spg. 2007	Fall 2007	Spg. 2008	Fall 2008	Spg. 2009	Fall 2009	Spg. 2010	Total
201	313	375	390	360	341	338	364	357	6,262
202	223	241	254	279	259	221	212	230	1,919
203	136	143	175	144	213	193	215	177	1,396
204	92	127	137	166	174	189	176	180	1,241
Total	764	886	956	949	987	941	967	944	7,394

Non-Majors Service Courses: Our non-majors service courses, as alluded to above, continue to be highly popular. These classes are exclusively taught by our skilled cadre of lecturers, and I must acknowledge that they do a terrific job—it is extremely rare to hear of a complaint about these individuals, a fact made even more impressive by the very large numbers of non-majors credit hours that we generate.

Currently, we offer five sections of classes that are taken by non-majors, that are considered "over-loads", i.e., that are funded by the College through PTI funds and that are not part of any instructor's regularly agreed-upon class load. We are grateful to the instructors who take on these extra duties, yet we must note that this increased load also represents more than the annual load of a regular lecturer. It would seem prudent to invest in a new lecturer, or other faculty, in order to address this.

As the rescissions become more real, I have to note with disappointment that naturally these overload classes will be some of the break points where shortfalls in funds will result in reduced classes being offered. Our current plan for the Spring of 2011 will be to cut one overload section of Biol. 123, and one overload section of Biol .237.

Table 5: Number of Students Registered in Beginning Biology Courses for Non-majors

Courses	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
110	527	556	609	585	584	542	519
123	555	791	1,028	987	1,397	1,172	1,237

Concerns about Upper-level Classes: As a result of the increased enrollments over the past couple of years, we are seeing a significant increase in enrollments in our 300- and 400-level classes, to the degree that almost all of these classes were full in the 2009-2010 academic year. Of course, we are pleased that this is the case, however, as increased enrolments continue to buffet the university, this will put a greater strain upon our upper-level classes. Naturally, we will maximize the class caps in these cases, up to the point where pedagogy would begin to be negatively impacted, however,

without increased investment in research faculty, we will soon be challenged to accommodate all of the upper-level students that will come our way.

We note with some cynicism that one of the Provost's suggestions for cost "efficiencies" is to reduce the number of upper-level classes. We vigorously and whole-heartedly reject this ridiculous suggestion. Based upon the above paragraph, it is natural that the enrollments in upper level classes will increase and not decrease. Moreover, and more importantly, the upper-level classes are the courses where deep specialization of our students occurs, and where there begins the opportunity to enable the students to interact directly with faculty in their areas of specialized interest. To jeopardize this is the worst of ideas, and would relegate the state's flagship university to the status of a community college.

Actions to Improve Our Undergraduate Program: Given the current budget situation, we have not received significant support for equipment and materials in the near future, and we hope that we can hang on in the short term through the use our course fees. In the future, if we are required to add extra sections and extra courses, we probably also will be required to request supply money for those courses.

In the 2010–2011 academic year, we hope to roll out some new initiatives for our undergraduate program that will allow increased efficiency in our instruction.

Undergraduate Research: This year marks the second year where we have begun to track accurately undergraduate student enrollment in research. We note parenthetically that the involvement of undergraduates in research touches on a number of important issues that are constantly at play in the university, and which we enumerate here: firstly, UNM is one of the few institutions in the state where undergraduate involvement in research is possible, thus we are proud of the numbers that we report, and we underline the uniqueness of this experience for our students; secondly, undergraduate research experience is a common, ***absolutely-required*** pre-requisite for entry into the top graduate programs in the country, thus it is critical that we continue to encourage undergraduate research; thirdly, undergraduate research is also a component of the teaching expectation and the teaching load of Biology faculty, and our students' achievements in research must be considered in such light; fourthly, all undergraduate research is essentially underwritten by the faculty members of Biology, either through provision of research resources and stipends directly from the PI's research funds, or through support from training programs (such as UNO, MARC and IMSD) that are procured by faculty members within biology.

This year's numbers list 143 undergraduates involved in research, somewhat down from last year's 182, but nevertheless an impressive number for a department with only 36 active faculty. We also report 11 instances where undergraduate research resulted in a co-authored publication in the last year (up from nine last year). In addition, 49 students attended local or national research conferences, an impressive achievement, particularly given the effort required of the PI to arrange for, fund, and oversee this process. These numbers indicate tangible outcomes for some of our most gifted and ambitious students.

Degrees: We list 207 Bachelor's degrees awarded over the last year. This is down from the 311 that were awarded in the previous report, yet it is nevertheless a continuing reflection of the high popularity of the Biology program. We acknowledge that a significant proportion of our graduates, and a notable fraction of our declared majors, are pre-professional students. Nevertheless, the interest in biological research has never been higher, and a great deal of this credit must go to our instructors, in both majors and non-majors courses, in extolling the fabulous world of biology. In addition, our several undergraduate and postgraduate training programs perform an outstanding job in exposing undergraduates to research opportunities. Thus, a real strength of our program is the ability to provide our students with new options once they complete their undergraduate degrees.

Table 6: Degrees Awarded in Biology (unofficial count obtained for Spring graduation; graduate degree numbers reflect those who attended the Spring departmental convocation ceremony.)

	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
B.S.	186	213	132	229	227	268	287
B.A.	26	37	21	26	38	30	63
M.S.	6	7	7	4	5	5	5
Ph.D.	14	11	14	21	8	8	10

Graduate Program

The graduate program continues to do well in Biology. We still list more than 100 graduate students, a large majority of whom are supported either through Teaching Assistantships or through their own research funding. Fifteen graduate students received their higher degrees last year (down from more than 30 last year), and many have gone on to high-profile professional and academic positions.

The total number of graduate school applicants has dropped significantly over the last few years, yet there are two encouraging signs: firstly, the number of applicants increased slightly this year, by about 5%. We expect this trend to continue if only because of the stale state of the economy. Secondly, the quality of the core applicants to graduate school has remained high: we were certainly able to fill all of our slots from the existing applicants. Clearly, a component of the reduction in graduate school applicants has been a reduction in the number of incomplete applications.

Nevertheless, we still are not satisfied with our graduate student pool: we would like to have more applicants overall, and in particular we would like to increase the numbers of minority applicants to the program: in 2009, we had an extremely small number of Hispanic and Native American applicants, which will severely and negatively impact the diversity of our graduate program. To address these issues, in AY2009-2010, we initiated some recruiting efforts to promote our program, and in particular to encourage minority student applications. Unfortunately, these have yet to have significant effect, but it is likely that sustained efforts will be needed for some outcome to be observed. This year, we plan significant recruitment e-mailings to help increase our pool.

As we had done for the undergraduates, we have begun to monitor research productivity for our graduate population. We find that current and former Biology graduate students appeared 65 times on papers in CY2009 (70 in the previous year) for work that they performed at UNM. We also note that 22 research awards were made to current Biology graduate students during CY2009 (20 last year). The latter number could certainly be increased, nevertheless, we are enthused about the application and success of our students. Clearly, grant success in graduate school provides significant training to generate grant success for the individual as their career proceeds. We also note in particular that every student receiving full financial support for a year through grant sources generates a new slot for graduate students to be accepted into the program.

FACULTY

Composition

The composition of our faculty has increased by one person since last year. Dr. Coen Adema was hired as an invertebrate parasitologist/immunologist. This hire was supported partially through the CETI Program, and we acknowledge the impact that this program has had upon our faculty numbers. In the Fall of 2010 saw the posting for a second CETI-funded position, a Comparative Vertebrate Immunologist, with the expectation that the new individual will begin in the Fall of 2011.

As I pointed out last year, with the retirement of Professor Larry Barton in the Spring of 2008, the continued absence of Associate Professor Andreas Wagner, and the retirements of Professors Kathryn Vogel and Scott Altenbach, the Department is seriously under-staffed in key undergraduate courses, including Cell Biology (201), Microbiology (351) and General Vertebrate Zoology (386). Each of these courses are in high demand by our majors. Therefore, we are encouraged that Dr. Adema has joined the faculty, and we are excited about the possibility of a new Cell/Molecular Biologist arriving in the Fall of 2011, for whom we are now commencing the search.

Dr. Christina Takacs-Vesbach was on sabbatical leave for Fall 2009, and Drs. Donald Natvig, Howard Snell and Margaret Werner-Washburne were on sabbatical leave for Spring 2010.

Two faculty members that I know of interviewed for jobs outside of UNM in the last year. While one was unsuccessful, these actions are nevertheless reminders to us that our excellent colleagues are constantly being recruited, and that we should not take their presence here for granted. The other faculty member, Dr. Kelly Miller, received an offer of employment from Arizona State University. I am pleased to report that the department and college moved with alacrity to generate a counter-offer for Dr. Miller, and we successfully retained him.

The Biology Department was largely successful this year in terms of awards and promotions for its faculty. William Pockman received the award of Regents' Lecturer; and Kelly Miller, Vaishali Katju, Christopher Witt and Helen Wearing successfully negotiated the mid-tenure review process.

Issues Related to Lecturers

In the Fall of 2008 the Biology Faculty strongly supported the development of a career plan for Lecturers. Accordingly, a document had been prepared by our Lecturers and was forwarded to the higher administration for further review. While some (albeit slow) movement had occurred last year on this front (it made it through Faculty Senate committees and back to the College), no further motion has been observed.

Faculty Accomplishments

Our faculty continue to excel in their jobs. Dr. William Pockman was awarded the UNM Regents' Lecturer rank in the Spring of 2010, and Dr. Eric Charnov was honored by admission into the American Academy for Arts & Sciences. Several of our faculty gave invited plenary talks at professional meetings (Adema, Brown, Cook, Litvak, Natvig, Sinsabaugh, Smith, Turner, Waide, Werner-Washburne, Wolf); our faculty appeared 106 times in published research papers (up from 90 last year), including the prestigious journals *Genome Biology, PNAS, Science, American Naturalist, Oecologia, Ecology, Journal of Virology, PLOS One, Development, Journal of Parasitology, Parasitology, PLOS Neglected Tropical Diseases, Journal of Immunology, Immunology, Nature, Ecosystems, Evolution, Proceedings of the Royal Society,* and *Biology Letters*. We have significant representation on editorial boards for journals; and many of our faculty participate in national and international review panels for granting agencies.

Dr. Mary Anne Nelson was recipient of a Presidential (Obama, not Schmidly) Award for Excellence in Science and Engineering Mentoring, conferred at the White House (in Washington D.C., not Dallas).

Five books were published by Biology faculty over the last year.

Sponsored Research

Biology faculty were responsible for bringing in an astonishing $22.9 million of new funding in 2009–2010 (up from $6.6M last year). This represents a massive increase from last year, albeit partially due to the provision of ARRA funds to faculty. We note that the total grant portfolio for the year being reported is $56 million, down from the $58 million of last year. Clearly, we have work to do in terms of increasing our grant portfolio, which will be a goal of the next year.

We also note that, combined with the slight reduction in overall funding, the proportion of overhead that is returned to the Department and to the PI has been reduced significantly on account of the increased cut going to the Vice Provost for Research's budget. While we acknowledge that additional funds would benefit that office, it has not been made clear to the Department nor the College–nor the PIs—how we are to accommodate significant reductions in our budget. If we have broken equipment, do we now appeal to the VPR's Office for replacement or repair, rather than the practice of earlier years of the department covering the cost? Until it can be ascertained that the VPR can handle their budget without creating a shortfall, there will be concerns at many levels how the increased funding to the VPR will be spent in the long term.

Five-year Hiring Plan

In the Spring of 2010, yet another five-year hiring plan was provided to the College. We note with some pleasure that a Cell/Molecular hire has been supported, and that process is ongoing. We are still working with the administration to procure lines to begin replacing our senior ecologists whose retirements are upcoming.

Given the uncertainly in the retirement market right now, and give that several of our faculty are close to retirement eligibility, I worry that we will see significant faculty loss over the next five years. It will be imperative that the Chair, Dean and Provost foresee, anticipate and ultimately react to these pending actions in order that the Biology Department can sustain its position as one of the flagship department on campus, and indeed, in the state.

STAFF

The Biology I&G-funded staff are a critical component of the department that functions to support departmental business, faculty, student advisement, and other administrative needs. The department is still down several staff positions as a result of the pause and hold (i.e., hiring freeze) hitting us at just the wrong time and an inability of the department to convince the administration that these lines have to be re-filled. This action has had several negative effects, including the same level of work being spread over fewer individuals. I acknowledge the effort that this has necessitated and I thank the staff for their willingness to pitch in.

We made two new additions to our staff who work for the department: Mr. Tim Wester was hired as a pre-award accountant; he worked for us until taking a new position in the VPR's pre-award office. Mr. Kevin Judd was hired as a term employee from F&A funds; his function is to assist the Facilities Manager, Mr. John Cox, with building upkeep and maintenance. We thank Mr. Wester for his efforts while here, and we thank Mr. Judd for his ongoing work on behalf of the department.

While we still have some staff lines to fill, including an HR representative, and some administrative assistant positions, we also have to accommodate the current rescissions that are hitting us, and those that are in the pipeline. Failing to fill vacant staff lines is one means to reach the dollar values of the cuts that we wish to make.

More broadly within the department, currently we employ more than 100 additional staff to those funded on the I&G lines. These staff work in research positions throughout the department.

PROGRAMS AND FACILITIES

The Biology Annex Analytical Laboratories

The Biology Annex Analytical Labs began in the mid-1970s. Since that time, we have evolved into a state-of-the-art laboratory, providing water, soil and plant tissue analyses for ecosystem nutrient-cycling studies to researchers at UNM, across the country, and around the world. We also provide general research support services to UNM researchers and their collaborators. Our primary users are the Departments of Biology, Earth & Planetary Sciences, Civil Engineering, and Chemistry.

On July 1, 2008, our lab director, Biology Professor Cliff Dahm, began a two-year appointment as the Science Director for the Delta Science Program in Sacramento, California. On June 30, 2010, Cliff's appointment was extended by one year so they could wrap up some unfinished business. The good news is that Cliff is back at UNM half-time.

During the past year, students involved with Biology Annex programs have continued to win awards at national and regional meetings and the Biology Departments Research Day.

This year we started a new Experimental Program to Stimulate Competitive Research (EPSCoR) project looking at water quality in the Valles Caldera Nature Preserve. The project is progressing well; however, the sites have proved to be challenging as far as instrument installations goes.

For more information, please visit our website, http://bioannexlabs.unm.edu.

The Bosque Ecosystem Monitoring Program

The Bosque Ecosystem Monitoring Program (BEMP) combines long-term ecological research with community outreach by involving K-12 teachers and their students in monitoring key indicators of structural and functional change in the Middle Rio Grande riparian forest, or "bosque." In 1997, BEMP began as a collaboration between the Department of Biology and Bosque School in Albuquerque, with fewer than 200 participants. Last year, more than 5,000 community members (students, teachers, etc.) participated in science-related outreach activities. Of these people, 2,096 were actually in the field collecting long-term data about ecosystem variables and the ecological drivers of flood, fire, river flow, climate and management. The experiences of these community members support science education reform efforts and help to increase each person's understanding and appreciation of science in general and the Rio Grande riparian ecosystem in particular. BEMP findings derived from K-12 student-gathered data are used by government agencies to inform multi-million dollar river and riparian management decisions.

BEMP increased involvement to 5,048 this year, from a high of about 4,985 community members in FY 2008–09. Students from more than 40 schools from Rio Arriba, Sandoval, Bernalillo, Valencia, Socorro, and McKinley counties were involved with BEMP. BEMP involves traditional public, charter, parochial, private, alternative and home school students. A seminar-type student congress, in which students make presentations on their sites and projects, was held at the end of the school year.

In 2009, BEMP added its 25th site, located south of Belen, NM, and named it after Dr. Cliff Crawford, professor emeritus of the UNM Department of Biology and the founder of BEMP. Research at this site is funded by a Collaborative Forest Restoration Program grant, which is a collaborative effort among BEMP, the Middle Rio Grande Conservation District, Natural Heritage New Mexico, Hawks Aloft, and the New Mexico Interstate Steam Commission.

Funding is always a challenge, as grants are applied for on an annual basis. BEMP works with a variety of local, state, federal, and private funders (http://www.bosqueschool.org/bemp.funding partners.htm). They are working towards more stable, multi-year funding to ensure retention of their small staff and eventually to hire a post-doc.

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The Center for Evolutionary and Theoretical Immunology Program

The Center for Evolutionary and Theoretical Immunology (CETI) cultivates some of the brightest minds from the fields of Biology and Computer Science. Through our interdisciplinary initiative, CETI researchers partner with both private industry and national laboratories to provide collaborative research on the evolution and diversification of immune systems across all organisms. CETI attracts some of the top research scientists from across the globe.

Initially funded in 2003 through a grant from the National Center for Research Resources (NCRR) of the National Institutes of Health (NIH), CETI has become a nationally recognized center of biomedical research excellence in evolutionary and theoretical immunology. CETI continues to earn funding from both federal grants and private donations.

To date, CETI investigators have published more than 450 scientific papers, with vital contributions to both private industry and the scientific arena, including the discovery of a novel T Cell receptor. CETI members continue to make new scientific discoveries and play an important role in advancing understanding and knowledge in areas as groundbreaking as the control of Schistosomiasis, a debilitating parasitic disease that affects more than 207 million people worldwide.

Housed within the University of New Mexico's Department of Biology, CETI contributes significantly to both the physical research facilities on campus and to the opportunities provided to young scientists who gain valuable mentoring through our programs.

Visit http://ceti.unm.edu to explore some of the amazing things CETI's more than 60 faculty, graduate students, and undergraduates are doing both in the field and in the lab, and to learn how you can support these efforts.

The FlyBase Program

The FlyBase *Drosophilia* Genome Annotation Program at UNM includes Dr. Harriet Platero, who works to annotate various *Drosophila* genomes, and Jason Thomas, training director. Dr. Platero's work is overseen by Dr. William Gelbart (Harvard University) and Dr. Margaret Werner-Washburne (UNM). As part of FlyBase UNM training activities, Dr. Gelbart and Dr. Werner-Washburne co-teach Frontiers in Genomics (Biol 402/502) each fall semester. This course brings top genome scientists to UNM in an informal, discussion setting aimed at introducing UNM students to a wider range of research opportunities. FlyBase also is initiating a Virtual Circle program that uses Web-based videocommunications to allow Native American and Pacific Islander graduate students, professionals, and community members to meet and discuss issues that impede the success of more traditional students in schools away from their communities. This year, the FlyBase Scientific Advisory Meeting will be held at UNM, bringing in more than 30 researchers from Harvard, University of Indiana, NIH, Cambridge, England, Stanford, University of California–Davis, UNM, and other major U.S. Institutions to evaluate FlyBase.

For more information, please visit http://web.me.com/fbunm/Site/Welcome.html

Initiatives to Maximize Student Diversity

The IMSD program, funded by NIGMS/NIH, is aimed at increasing diversity in the sciences, is in its sixth year in the Biology Department and its seventh year with Professor Maggie Werner-Washburne as PI. Currently, we support approximately 18 undergraduates and five graduate students. IMSD received ARRA funds to remodel a room for mentoring, to purchase computers and other lab equipment for lab courses, and support a graduate student, Santos Contreras, to assist in evaluation and data acquisition for the program. IMSD students won five oral and poster awards at the recent Society for the Advancement of Chicanos/Latinos and Native Americans in the Sciences (SACNAS) national meeting and have garnered awards at other national meetings. In the past six years, IMSD students have published more than 50 papers in peer-reviewed journals and we have produced 12 Ph.D.s at UNM and elsewhere. IMSD works closely with University of West Alabama (UWA) Genome Sciences. UWA takes four students for a long weekend visit in May and sends a faculty member to give a seminar in the spring. Last summer, three IMSD students also participated in their summer program. IMSD currently has three students in Ph.D. programs at UWA as well as students in Ph.D. programs at University of California–Los Angeles, Oregon, Berkeley, Utah, UNM, Pitt, Emory, and elsewhere. The program continues to improve in terms of helping UNM undergraduates make a successful transition to the graduate school of their choice.

Please visit http://biology.unm.edu/IMSD/home.htm for more information.

Long Term Ecological Research Network Office

Two Cooperative Agreements received from the National Science Foundation (NSF) in 2009 totaled $15,761,743, and included support for new, network-wide initiatives focused on critical environmental questions such as climate change, changes in land use and land cover, loss of biodiversity, and the impact of invasive species. A significant part of these awards will emphasize the completion of the Network Information System, management of increased numbers of Network data bases created through the EcoTrends project, the creation of new synthetic databases, and increased training opportunities for LTER information managers and scientists. The activities to be conducted under this award will have broad national impacts resulting from new synthetic research that will be stimulated by access to thousands of LTER data sets, by development of new standards of practice for ecological information management, by creation of new cyberinfrastructure tools, by increased access to data for education and underserved groups, and by collaboration with other environmental observing networks to plan a robust and efficient national cyberinfrastructure for ecological research. In addition to the Cooperative Agreements, LNO staff wrote a successful proposal to the DataNet program of NSF for $20,000,000; the goal of this proposal is to ensure preservation and access to multi-scale, multi-discipline, and multi-national science data. For more information, please see the LNO annual report in Appendix J, and visit http://lno.lternet.edu/.

Minority Access to Research Careers

The long-term goal of NIH-funded UNM Minority Access to Research Careers (MARC) U*STAR program is to increase the number of under-represented minority honor students obtaining the doctorate and entering careers in biomedical research. The immediate goal is to increase the competitiveness of our best minority students for graduate programs. The heart of this program is

the opportunity for 11 talented minority undergraduates in Biochemistry, Biology and Chemistry to receive intense research training in their junior and senior years with a faculty mentor in some area of biomedical sciences. About half of the MARC scholars work with professors on Main Campus, including one in the College of Engineering, and half in various departments at the UNM School of Medicine. A pre-MARC Student Development component addresses problems that present major obstacles to the success of UNM students, especially poor curriculum planning. The emphasis on academic and career guidance is continued as MARC students move through the program. During the first summer, the MARC scholars begin a research project and participate in many group-learning activities, capped by an end-of-summer student Research Symposium, at which all present their work. During the subsequent two academic years, the students continue their research projects 15 hours a week, participate in regular MARC meetings, and present their projects at local and regional and/or national meetings. Most become co-authors on scientific publications. In their first year as MARC scholars, the students take a three-credit class entitled "Research Ethics" and a GRE preparation class. During their second year, students take a small class that focuses on identifying an appropriate graduate program and developing a competitive application, and then apply to graduate school. As an added feature of the program, the students spend one summer at another institution (typically their second summer), where they carry out collaborative research that is related to their project.

A strong, independent evaluation component has been implemented so that the efficacy of the program can be demonstrated. These goals have not changed since submission of the original proposal. Specifically, the UNM MARC U*STAR goals are (1) to increase the academic performance and research experience of Biology, Chemistry and Biochemistry majors (B/ClBC); (2) to recruit five under-represented students per year as MARC U*STAR scholars, and prepare them for two years of post-baccalaureate study and research careers; (3) to increase the number of under-represented students as MARC scholars who are entering biomedical research careers; and (4) to identify effective strategies that can be implemented at UNM to encourage under-represented students to enter graduate research degree programs. After graduation, most MARC scholars go on to graduate school in the biomedical sciences.

The current U*STAR Program, "Undergraduate Biomedical Research Training," is funded from June 1, 2006 to May 31, 2011, and Dr. Mary Anne Nelson serves as its Program Director. The program receives approximately $320,000 in direct costs and $25,000 for indirect costs (8% F&A) per year. The MARC Program requires students to study one summer at another research institute, known as the "Summer Research Experience"; in 2010, they studied across the U.S., from California to New York City.

For more information, please visit http://biology.unm.edu/MARC/index.html.

Molecular Biology Facility

The Molecular Biology Facility (MBF) provides three principal areas of support. First, it is a common-equipment facility for faculty and students who routinely use the tools of molecular biology in their research. Second, it is a support facility for faculty and students who do not have laboratory space of their own suitable for conducting research that utilizes molecular biology

techniques. Third, it provides support for several classes with teaching equipment, student training, and outreach to non-UNM organizations. All three roles are equally important and interdependent. Faculty and students from other A&S Departments, including Anthropology, Earth & Planetary Sciences, and Chemistry, and from the Schools of Medicine and Engineering, also utilize the MBF for both research and training. Based on the data contained in our annual report (see Appendix G), the MBF is arguably among the most heavily utilized support units within the Biology Department.

The MBF's role in education and training in the department and the community continued this fiscal year. Four courses taught within Biology (Biol. 352, 425, 446, 478) used the facility. The most critical role in training that the MBF plays, however, remains direct, hands-on research experience for graduate students and undergraduates working on independent projects with faculty mentors.

This year's highlights include:

1. Based on data from the Office of Research Services, there were 45 grants active this fiscal year that utilized or depended upon the MBF. These grants amounted to more than $20 million in total awards.
2. Based on a search of the ISI Web of Knowledge, there were 22 MBF-related peer-reviewed manuscripts published in fiscal year 2009-10.
3. More than 62,000 sequence, microsatellite and amplified fragment length polymorphism (AFLP) samples were run on the MBF's two ABI 3130xl Genetic Analyzers.

Major New Equipment Acquisitions

Funds from an American Recovery and Reinvestment Act (ARRA) NIH supplemental grant to the MARC program were used to renovate MBF labs in CastetterHall 233 and 252A. These funds also were used to buy a Millipore MilliQ Water Purification System and a Labconco Centrivap Sample Drying System.

For more information, please visit http://biology.unm.edu/ghrose/home.html.

Museum of Southwestern Biology

MSB University-wide Activities: (1) The UNM Museum Policy Approval Process Was Completed. In December 2009 (effective January 2010), the UNM Regents approved Policy 6410, entitled "Museums and Collections," in the University Business Policies and Procedures Manual. This policy recognizes the responsibilities and roles of University of New Mexico (UNM) museums and collections "to increase knowledge, understanding, and appreciation of the physical, cultural, and biological world by collecting, maintaining, researching, and interpreting material objects and the contextual data associated with them". The policy clearly defines obligations of Curatorial staff, UNM Regents, the UNM President and Provost, and Cognizant Unit Heads (i.e., Deans) for adequate housing, care, dissemination and interpretation of these objects in perpetuity. It also defines standards for making these objects accessible and available to the scientific community, while preserving the integrity and quality of the specimens through active stewardship. MSB Policy is consistent with this more general guiding document. (2) Progress Was Made on a UNM Museum

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Studies Program. The MSB, in collaboration with the Maxwell Museum of Anthropology, the Meteorite Museum, and the UNM Art Museums, continued to make progress on development of a graduate (M.S.-granting) Museum Studies Program. Program and curriculum forms have been reviewed by the UNM Registrar, the Office of Graduate Studies, and the Arts &Science Curriculum Committee. The Fine Arts Curriculum Committee is reviewing it and will provide comments in the fall semester of 2010. We plan to submit it for consideration to the UNM Faculty Senate in Fall 2010. The College of Arts and Sciences has contributed significant resources, including a new faculty position in addition to the new Director to coordinate this effort.

MSB Productivity in Support of UNM's Mission: in 2009, the MSB made substantive contributions to the education, research, teaching, and service mission of the UNM as it was a record year for scientific productivity (published papers by MSB staff, papers by outside researchers that are supported by MSB specimens), students trained, and grant dollars in force. See the MSB Annual Report in Appendix H for full details. For more information, visit http://www.msb.unm.edu/.

Natural Heritage New Mexico

In 2009, the Natural Heritage New Mexico (NHNM) Division of the MSB continued to expand its conservation science activities as well as build its conservation information dissemination capacity.

With respect to research, the Zoology Group modeled landscape-scale habitat use by at-risk piñyon–juniper bird species and surveyed for raptors and wetland and grassland birds. They used remote sensing and field data to survey, map, and model black-tailed and Gunnison's prairie dog occurrence, and they assisted the National Park Service in assessing natural resources on two New Mexico parks.

For plants, NHNM is documenting the sole New Mexico population Chihuahua scurf pea (one of two recorded globally) and conducting studies on the endangered Holy Ghost Ipomopsis that includes a forest-thinning project to improve habitat for the only natural populations of this rare plant. The Conservation Ecology Group focuses on wetland/riparian research and upland dynamics and vegetation mapping.

There are six wetland research and monitoring projects along the Rio Grande and Pecos rivers; they are developing a "New Mexico Rapid Assessment Method" (NMRAM) for New Mexico's wetlands and riparian areas with the goal of providing a tool to efficiently evaluate ecological condition and function of wetlands for conservation, restoration, and management; they are developing vegetation classifications and maps for eight national parks in the state and west Texas; they initiated a new study to evaluate and monitor the effects of planned and unplanned fires in piñyon–juniper woodlands, and concluded a project on evaluating prairie chicken habitat in the context of grazing regimes.

The Conservation Data Management Group, as part of our service role to the broader public as well as for research, worked on projects to make conservation data more readily available via the web. They made improvements to the New Mexico Biodiversity Collections Consortium; worked with a number of agencies (EPA, NMDGF, USFWS, USFS, BLM, MSB) to gather, organize, and improve their access to sensitive species data and make this information easier to access by the public

and private sectors. They added or updated almost 3,000 records to program databases, responded to 141 custom information requests (including helping several biology grad students with their projects), and provided more than 40,000 information downloads from the Web site.

For more information, visit http://nhnm.unm.edu.

Postbaccalaureate Research and Education Program

The UNM Postbaccalaureate Research and Education Program (UNM PREP) is a biomedical research training program focused upon minorities and socioeconomically under-represented individuals who plan to enter a Ph.D. program. Through a series of defined objectives, the program recruits high-quality, under-represented scholars; develops and realizes individualized training plans to provide laboratory research experience and academic training so as to improve the skill set of these scholars; provides additional training modules to develop the professional skills of these scholars; provides support and training in the successful application of these scholars to Ph.D. programs; investigates the parameters affecting graduate school retention; and uses these data to improve graduate training at UNM. It is anticipated that the results of this training will be to increase the numbers of under-represented individuals in the sciences, and to increase the research focus and awareness of reducing health disparities.

In the first year of renewal support, we have successfully supported the acceptance of four Scholars into Ph.D. programs at Northwestern University, Medical University of South Carolina, University of Nebraska–Lincoln, and The University of New Mexico. Our current group of Scholars are from different parts of the country, such as California, New Mexico, Texas, and Puerto Rico.

For more information, please visit http://biology.unm.edu/PREP/index.asp.

The Program in Interdisciplinary Biological and Biomedical Science

The Program in Interdisciplinary Biological and Biomedical Science (PiBBs) is a collaboration among the departments of Anthropology, Biology, Computer Science, Electrical and Electrical and Computer Engineering, Physics, Math and Statistics at UNM, Los Alamos National Laboratory, and the Santa Fe Institute. The impetus for PiBBS was the recognition that continued progress in fundamental problems in biology and biomedical science requires the input of new ideas, methodologies, and investigative strategies from the physical sciences, engineering, and mathematics, yet few scientists are trained or possess the necessary skills to conduct effective interdisciplinary work.

Spring 2010 brought a number of changes to PiBBs. PiBBs moved into its new location in the recently completed wing of Castetter Hall, and named the fellows for the 2010–11 academic year: Robbie Burger, Biology; Jennifer Cabotage, Anthropology; Christian Gunning, Biology; Sarah Joyce, Anthropology; Drew Levin, Computer Science; Catherine Mitchell, Anthropology; Kathrin Spendier, Physics; and Shawn Whiteman, Biology. The fellows have been very pleased with the new space, as it provides them with a common area to discuss their research with each other as well as faculty mentors.

In June, PiBBs co-director Dr. Felisa Smith, Dr. Jeffrey Long of the Anthropology Department, and two PiBBs fellows attended a National Institute of Health Conference in Washington DC. The

conference provided a tremendous opportunity for students and faculty participating in similar interdisciplinary programs to share their research as well as features of their respective training programs. Our fellows gave fantastic presentations. Among the programs there, PiBBs represented a unique approach to interdisciplinary training, as much of the presented research focused on imaging. PiBBs places emphasis on integrating approaches from the physical sciences and computer sciences to address broader biological questions.

Please visit http://biology.unm.edu/pibbs/index.shtml for more information.

Sevilleta Long Term Ecological Research Program

In 2009–10, the Sevilleta LTER Program continued all but two long-term data collection efforts (described in our renewal proposal [LTER IV] and in the 2008–09 annual report). These projects were discontinued because they were either destroyed by the 2009 wildfire of August 4-5 (small mammal exclosure study [SMES]), or they were made redundant as a consequence of the wildfire (vegetation transects across the 1995 fire boundary near Deep Well). Therefore, we are now able to focus some field crew time on one of our new emphases, the greatly expanded effort to restore Gunnison's prairie dogs at the Sevilleta, as described in the Sevilleta LTER's annual report (Appendix I). Please visit http://sev.lternet.edu/ for more information.

The Sustainability Studies Program

Students enrolled in the Sustainability Studies minor are educated in and experience a wide range of sustainable practices. The 2009–10 students gained knowledge in such areas as agriculture, renewable energy, solar technology, measuring and reducing their own carbon footprint, and documentary film-making.

Bruce Milne, Director of the Sustainability Studies Program, taught students enrolled in the SUST 434 (Synthesis) about the basics of making documentary films. In particular, the subjects of their documentary films were a variety of sustainable practices. This group also worked with two professional film-makers and collaborated with students from CNM's main campus. They learned by doing and kept a notebook about the progression of making a documentary film. In doing so, they came away with the basic knowledge and capability to make their own documentary film.

Maggie Seeley, the instructor for SUST 334 (Practicum), worked with her students to create a variety of team-driven projects. For example, a group of students worked on the Bottled Water Campaign wherein they created a campaign to showcase at the Second Annual Sustainability Expo during the Spring 2010 semester. They set up a display using a variety of water bottles collected from around UNM's campus for one week. It really showed the significance of how many water bottles are used and thrown away . . . not recycled! Additionally, these students worked with the UNM's Purchasing Department and Chartwells to reduce or eliminate the purchase and use of water bottles on campus. These meetings were very productive, and both entities agreed to work to minimize and ultimately eliminate the purchase of bottled water on campus.

Jessica Rowland, the instructor for SUST 134 (Introduction), challenged students with new ways of thinking about how they live their everyday lives, including what and how they eat. In particular, they learned to eat more local foods by purchasing their food at the Coop or at locally run

grower's markets. Students experienced first-hand local agriculture as they went to and worked on several local farms, usually on a Saturday for a few hours. They also learned about measuring and identifying those areas of their carbon footprint they could reduce or eliminate. Jessica also is employed as a part-time staff member to develop the curriculum for a LOBO Grower's Market course that will be offered for the first time in Spring 2011.

Beyond instruction, the Sustainability Studies Program collaborates with a variety of campus and off-campus organizations to further the cause of raising people's awareness about how we can all make a contribution to living and working more sustainably.

For more information, please visit http://sust.unm.edu.

Undergraduate Opportunities Program

The Undergraduate Opportunities (UnO) Program, funded by the National Science Foundation (NSF-DEB 0731350), integrates research and education through seminars, laboratory and field experiences. UnO just completed a highly successful third year with 15 faculty mentors, 10 graduate student mentors, and 21 undergraduates. With a home base in UNM's Museum of Southwestern Biology (MSB), UnO aims to increase the level of participation by students historically under-represented in advanced graduate training and research careers. Students receive one to three years of preparation and concentrated research experience in a near-peer mentorship structure: each student is assigned a faculty mentor and a graduate student mentor so that they can experience directly the excitement of scientific discovery in a research project and receive help navigating courses, professional development, and research demands. A weekly seminar class helps create a cohesive cohort, provide insight into professional ethics, hone presentation skills, and allow students to explore other aspects of the research enterprise.

Since UnO's beginning in 2007, 15 students have graduated successfully with their bachelor's degree, four have entered graduate programs, and an additional four are working in biology-related jobs. Several UnO students have won prestigious national awards for their work, including the Barry Goldwater Scholarship, Harry and Mabel Leonard Research Fellowship, James Drew Pfeiffer Memorial Scholarship, Maurice Hughes Scholarship for Excellence in Research, NSF STEM scholarship, and others. As of Fall 2010, 19 UnO students have presented their research at local, national and/ or international conferences (e.g., Cambridge, UK; Yucatan, Mexico), two are co-authors on publications, and eight others have manuscripts in preparation.

For more information, please visit http://www.msb.unm.edu/mammals/URMUNO.html.

The VectorBase Program

VectorBase, a disease vector database based at Notre Dame, supports 1.5 Ph.D.-level gene annotators at UNM. Dr. Maggie Werner-Washburne is a VectorBase co-PI. Other VectorBase sites include European Bioinformatics Institute (EBI), Harvard, and Crete. Annotators are essential for every genome project. Some genes are easy to identify, but many require human beings to assemble and consider all available data to determine where a protein-encoding region stops and starts. VectorBase is funded through NIAID.

For more information, see http://www.vectorbase.org/

BUILDING ISSUES

In the last year, our building projects have been moving forward effectively. The new wing of Castetter Hall, a two-story addition, was completed in late December of 2009, and occupied in the Spring. This wing houses offices and conference space for the PIBBS program on the first floor and laboratories for the CETI program on the second floor. This building was enabled by student bond money, legislative funds, and funds supplied by President Schmidly, to all of whom we are most grateful.

This new wing also was accorded LEED Gold status in recognition of its sustainable design and functions.

A second addition to Castetter Hall, a three-story wing, currently is under construction. As it stands, our current funds are sufficient to "build-out" the second floor, but more funding is required to complete the first and third floors. Since Bond D, for which funding for this final phase was a component, did not pass (November 2010), it is not clear from where the funds will be forthcoming.

DONOR RELATIONS

2009–10 Scholarship Winners

- **Melinda Bealmer Memorial Scholarship** (awarded to graduate students to attend and present at conferences): ELIZABETH BECHAM, JORDAN OKIE and ERIC SCHAAD.
- **Donald E. Caughran Memorial Endowed Scholarship** (supports an undergraduate or a graduate student in pursuit of a degree in biology, based on scientific excellence (e.g., scholarship, academic promise, quality of ongoing or completed research) JESSICA FRIEDMAN, C. JONATHAN SCHMITT (undergraduates), CHARLES HAYES, SHANE DUBAY, BRITTANY BARKER and NATALIE WRIGHT (graduates).
- **Cocalina Memorial Scholarship** (assists undergraduate women students in their pursuit of science): GABRIELA CHACON, CASSANDRA GARNER and REBECCA ZALAR.
- **Crawford Rio Grande Scholarship** (assists graduate students conducting research related to the Rio Grande Bosque): SIERRA NETZ and TYLER PILGER.
- **Rosalie Doolittle Scholarship** (funds undergraduates pursuing studies in botany): DIANNE PATER.
- **Thelma Evans Trust Scholarship** (provides support for those pursuing a career in veterinary medicine): HAGIT SALAMON.
- **Joseph Alvin Gaudin Jr. Scholarship** (awarded to students studying mammals, in particular members of the cat family [Felidae]): KATHERINE CAUTHEN (undergraduate), CHARLES HAYES and ANDREW HOPE (graduate).
- **Alvin R. & Caroline Grove Scholarship** (awarded to graduate students who show scholastic and academic achievement in their primary research field): TREVOR KRABBENHOFT.
- **Alvin R. & Caroline Grove Research Scholarship**: MICHELLE THOMEY and WENYUN ZUO.

- **Alvin R. & Caroline Grove Summer Scholarship**: KENNETH LETENDRE, MASON RYAN and SUSAN MIRABAL.
- **Dr. Lynn Hertel Graduate Research Award** (supports the research program of graduate students completing their thesis or dissertation): SARAH KOERNER.
- **Maurice Hughes Scholarship**: HALLIE RANE.
- **Dr. Harry Wayne Springfield Scholarship** (provides funds to conduct research in plant ecology): MICHELLE THOMEY.

UNM Foundation Summary

2009-10 brought many changes to the Department's Foundation Account. Despite the continued downturn with the economy, the Foundation offices were able to award approximately 4.5% of the principal values to departments. The Department also was able to obtain some additional donors and funding this year. The Department started the year with:

Non-Endowed	$53,586.18
Endowed	$1,689,955.16
Trusts	$11,118.28

During this time, many of the endowments were re-engineered to bring maximum return for the department and divisions. While the economy played a major role in the dollar value of contributions, the Department noticed an increase in overall contributions this year. Additionally, two new endowments were established by large contributions made by donors. The department also was able to make record-high awards in the area of student scholarships, with many students benefitting from scholarships this year. The fiscal year ended with the following results:

Non-Endowed	$49,861.42
Endowed	$1,697,187.68
Trusts	$12,529.28

The department hopes to continue to work closely with the A&S Development team, primarily Bill Uher to increase donor relations.

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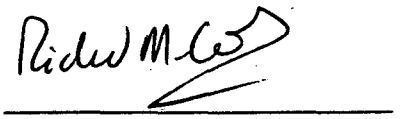
Respectfully submitted,



Richard M. Cripps
Professor and Chairman
November 30, 2010

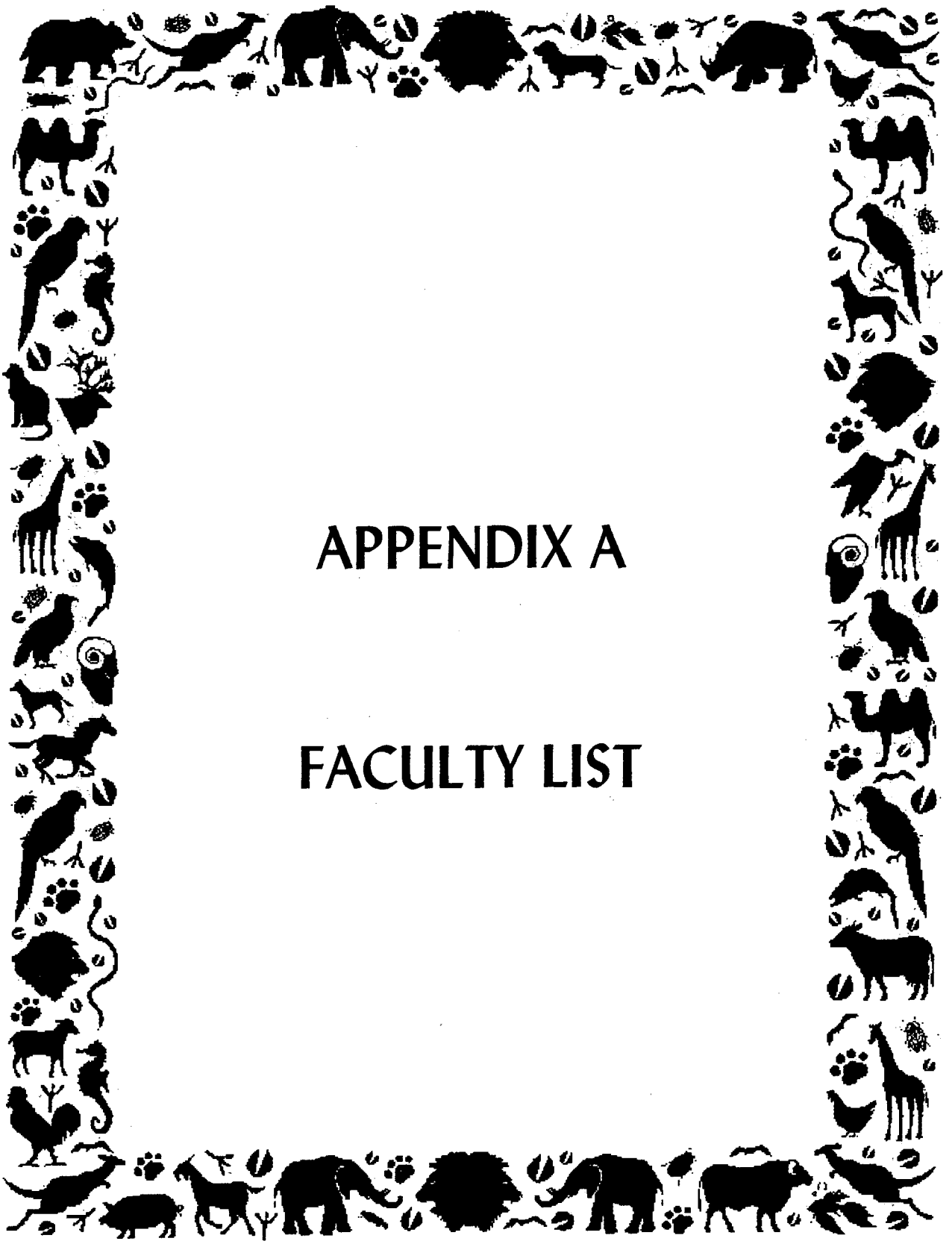
APPENDICES

FY 2009–10

ANNUAL REPORT

UNM DEPARTMENT

OF BIOLOGY



APPENDIX A

FACULTY LIST

UNM DEPARTMENT OF BIOLOGY
Faculty 2009-10

Distinguished Professors

James H. Brown
Eric L. Charnov
A. Randy Thornhill

Professors

Brenda J. Claiborne
Scott L. Collins
Joseph A. Cook
Richard M. Cripps
Clifford N. Dahm
Astrid Kodric-Brown
Eric S. Loker
Timothy K. Lowrey
Diane L. Marshall
Robert D. Miller
Bruce T. Milne
Donald O. Natvig
Mary Anne Nelson
David J. Schmidly
Robert L. Sinsabaugh
Howard L. Snell
Steven A. Stricker
Eric C. Toolson
Thomas E. Turner
Robert B. Waide
Margaret Werner-Washburne

Associate Professors

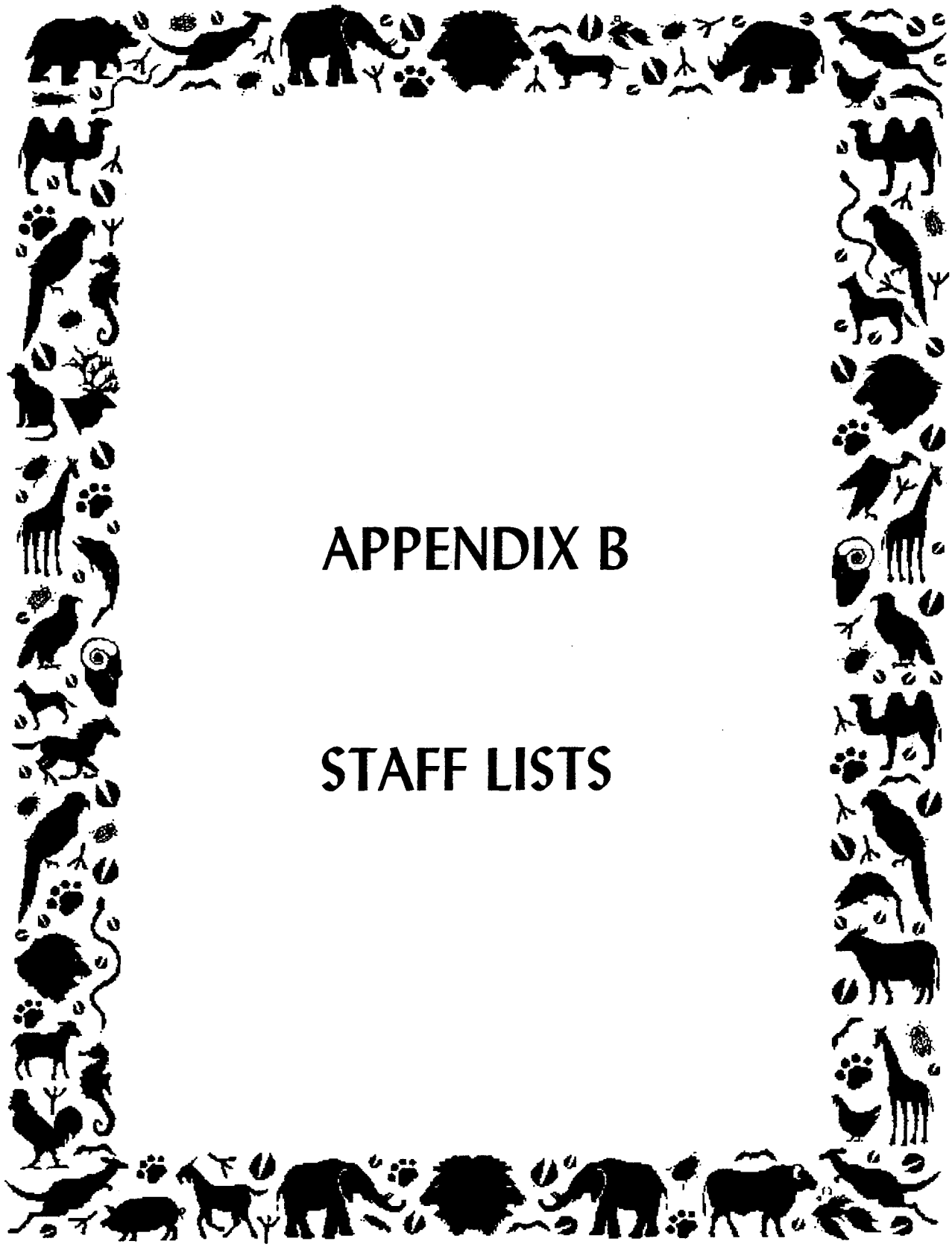
Coenraad Adema
Charles Cunningham
David T. Hanson
William T. Pockman
Steven Poe
Felisa A. Smith
Cristina D. Takacs-Vesbach
Andreas Wagner (on Leave of Absence)
Blair O. Wolf

Assistant Professors

Ulfar Bergthorson
Vaishali Katju
Marcy E. Litvak
Kelly B. Miller
Helen J. Wearing (joint appointment with Math & Statistics)
Christopher C. Witt

Lecturers

Lee Couch
Cara Lea Council-Garcia
Paul Farnsworth
Christina O. Fridrick
Bruce V. Hofkin
Kelly A. Howe
Marieken G. Shaner
James Swan



APPENDIX B

STAFF LISTS

UNM DEPARTMENT OF BIOLOGY STAFF LISTS 2009-10

Name	Job Title	I&G	Overhead	Foundation Funds	PI	Grant
Adams, Melanie	Research Assistant				x	
Adamson, Tierney	Field Research Assist				x	
Arnold, Lisa	On-Call Staff				x	
Atencio, Lupe	Administrator–Group				x	
Avritt, Joy	Research Tech/Life Sciences	x	x			
Baca, Patricia	Admin Assistant 1	x				
Baca, Erica	Research Assistant	x				
Baker, Phillip	Sr. Research Scientist 1					x
Banuelos, Patricia	Program Coordinator				x	x
Baumann, Matthew	Field Research Tech/Life Sciences					x
Begaye, Ashlee	Research Assistant					x
Bishop, Yvonne	Coord., Lecture Demonstration	x				
Boutz, Amanda	Field Research Assistant					x
Boyden, Michael	On-Call Staff					x
Brantley, Sandra	Sr. Collection Mgr., Natural Sci. Mus.	x				
Brittain, Gregory	On-Call Staff					x
Brown, Renee	Systems Analyst II					x
Brunner, Sylvia	Program Coordinator		x			x
Buddenborg, Sarah	Research Scientist 1					x
Calamusso, Richard	On-Call Staff					x
Campbell, Robert	On-Call Staff					x
Chauvin, Yvonne	Sr. Research Tech/Life Sciences					x
Clark, Stephani	On-Call Staff					x
Cornejo, Jose	Research Assistant					x
Costa, Duane	Analyst/Programer III					x
Cox, John	Manager, Facility Operations	x				
Craig, John	Analyst/Programmer 1				x	x

UNM Department of Biology Staff 2008-09

Name	Job Title	I&G	Overhead	Foundation Funds	PI	Grant
Cupit Cunningham, Pauline	Sr. Research Scientist 2					x
Daniels, Melissa	Research Assistant					x
Davis, Nancy	System Administrator	x				
DeLora, Jacqueline	Research Assistant					x
DeWitt, John	Facilities Service Manager			x		
Donahue, John	On-Call Staff					x
Dunnum, Jonathan	Sr. Collection Mgr., Natural Sci. Mus.	x				
Elliott-Smith, Emma	On-Call Staff					x
Emillio, Aaron	On-Call Staff					x
Fernando, Noel	Temporary Staff Bi-weekly					x
Fettes, Anthony	On-Call Staff					x
Fitzpatrick, Shannon	Field Research Tech/Life Sciences	x				x
Flitcroft, Christa	Research Assistant					x
Fort, Caleb	On-Call Staff					x
Forys, Michelle	Research Scientist 1					x
Frank, Brian	On-Call Staff					x
Friggens, Michael	Research Scientist III	x				
Garcia, Lorenzo	Event Planner	x	x			
Garcia, Larissa	Supply/Stockroom Clerk	x				
Garcia, George	Supv. Admin. Support					x
Bustamante, Joslyn	Program Coordinator	x				
Gehres, Nathan	Research Scientist 2					x
Ghosh, Ushnik	Temporary Staff Bi-weekly					x
Giermakowski, Jacek	Museum Collection Manager	x				
Good, Jennifer	On-Call Staff					x
Grey, Rachel	Temporary Staff Bi-weekly					x

UNM Department of Biology Staff 2008-09

Name	Job Title	I&G	Overhead	Foundation Funds	PI	Grant
Gurule, Frank	Lab Animal Tech	x				
Hebert, Gerard	Technical Editor					x
Herrera, Gloria	Research Assistant					x
Horger, Terry	Program Coordinator	x				
Hutchins, John	On-Call Staff					x
Hutchinson, Miriam	On-Call Staff					x
Jackson, Charles	Field Research Tech/Life Sciences					x
Jaramillo, MaryAnn	Research Assistant					x
Jim, Patricia	Research Assistant					x
Johnson, Jennifer	Research Scientist I					x
Johnson, Scott	On-Call Staff					x
Johnson, Andrew	Sr. Collection Mgr., Natural Sci. Mus.	x				
Judd, Kevin	Facilities Services Tech		x			
Kanagy, William	Temporary Staff Bi-weekly					x
Kapoor, Maya	Research Scientist 1					x
Kavka, Jennifer	Program Manager					x
Keeshen, Rebecca	Office Administrator				x	
Koontz, Terri	Research Scientist 2					x
Krueger, Jeffrey	On-Call Staff					x
Lightfoot, David	Sr. Collection Mgr., Natural Sci. Mus.	x				x
Long, Jason	Research Assistant					x
Lovato, TyAnna	Sr. Research Tech/Life Sciences					x
Love, Corey	Field Research Tech/Life Sciences					x
MacDonald, Stephen	Curator 2					x
Maravilla, Erick	Research Assistant					x
Markwell, Samuel	On-Call Staff					x

UNM Department of Biology Staff 2008-09

Name	Job Title	I&G	Overhead	Foundation Funds	PI	Grant
Martin, Cheryl	Student Program Specialist	x				
Martin, Tamra	Temporary Staff Bi-weekly	x				
Martinez, Avelina	Academic Advisor					x
McCollough, Charles	Database Administrator				x	
McConnel, Marjorie	Sr. Program Manager					x
McCoy-Hayes, Shannon	Coord., Program Advisement	x				
McOwitti, Thomas	Public Information Representative					x
McQueen, Catherine	On Call Staff					x
Miles, Jack	Coord., Lecture Demonstration	x				
Milford, Elizabeth	Research Scientist 3					x
Moore, Douglas	Research Scientist II					x
Moss, James	Analyst/Programmer 2					x
Moya, Monica	Temporary Staff Bi-weekly					x
Mulhouse, John	Research Scientist 1					x
Mygatt, Jane	Sr. Collection Mgr., Natural Sci. Mus.	x				
Neville, Terri	GIS Analyst				x	
Nieto, Brenda	On Call Staff					x
Nolen, Matthew	On Call Staff					x
Ochmanek, Emily	On-Call Staff					x
Odenbach, Kylea	On Call Staff					x
Ortiz, Shynoke	Sr. Student Program Advisor					x
Osborn, Catherine	Administrator–Group	x				
Ouellette, Rina	Admin Assistant 2					x
Parmenter, Cheryl	Museum Collection Manager	x				
Paulsen, Heather	Dept Administrator 3	x				
Pena, Janeth	Research Assistant					x

UNM Department of Biology Staff 2008-09

Name	Job Title	I&G	Overhead	Foundation Funds	PI	Grant
Pickerill, Laura	On Call Staff					x
Randal, Fornessa	Program Manager		x			x
Ricci, Roy	Supv., Animal Research Facility	x				
Rice, Anne	Data Manager	x				
Rosenburg, George	Research Scientist II	x				
Runnels, Jennifer	On Call Staff					x
San Gil, Inigo	Sr. Applications Research		x			
Sandoval, James	Accountant II	x				
Sauer, Katherine	On Call Staff					x
Shauer, Lisa	On Call Staff					x
Segel, Tallie	On Call Staff					x
Shuster, Andrea	On Call Staff					x
Smith, Jacqueline	Sr. Research Tech/Life Sciences				x	
Snyder, Alexandra	Museum Collection Manager	x	x			
Spector, Benjamin	On Call Staff					x
St. Clair, Catherine	Administrative Coordinator	x				
Stanley, Judith	On Call Staff					x
Stansbury, Savannah	Research Scientist 1					x
Stoscheck, Leo	Research Scientist 1					x
Swann, Amaris	Research Scientist 2					x
Thannish, Katherine	Admin Assistant III					x
Thibault, James	Research Scientist I					x
Thomas, Raquela	Research Assistant					x
Tighe, Joseph	Fiscal Services Tech					x
Tonne, Phillip	Sr. Research Scientist I				x	
Torres, Julie	Program Coordinator					x

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UNM Department of Biology Staff 2008-09

Name	Job Title	I&G	Overhead	Foundation Funds	PI	Grant
Tribby, Mariel	On Call Staff					x
Truett, Bradley	Field Research Tech/Life Sciences					x
Tsentas, Elena	On Call Staff					x
Weckerle, John	Web Designer	x				
Wester, Timothy	Grants Coordinator	x				
White, Marshall	Sr. Web Designer					x
Wilder, Shane	Temporary Staff Bi-weekly					x
Williams, James	Systems Analyst II					x
Witt, Satya	Sr. Research Scientist 3					x
Wyman, Florence	System Administrator					x
Xia, Yang	Research Scientist 2					x
Yanabu, Leanne	Web Designer					x

UNM DEPARTMENT OF BIOLOGY STAFF 2009-10

HIRES

Adams	Melanie	Research Assistant
Arnold	Lisa	On-Call Staff
Baker	Phillip	Sr. Research Scientist 1
Baumann	Matthew	Field Research Tech/Life Sciences
Begaye	Ashlee	Research Assistant
Boyden	Michael	On-Call Staff
Brittain	Gregory	On-Call Staff
Buddenborg	Sarah	Research Scientist 1
Calamusso	Richard	On-Call Staff
Campbell	Robert	On-Call Staff
Clark	Stephani	On-Call Staff
Cornejo	Jose	Research Assistant
Daniels	Melissa	Research Assistant
DeLora	Jacqueline	Research Assistant
Elliott-Smith	Emma	On-Call Staff
Emillio	Aaron	On-Call Staff
Fernando	Noel	Temporary Staff Bi-weekly
Fettes	Anthony	On-Call Staff
Fitzpatrick	Shannon	Field Research Tech/Life Sciences
Flitcroft	Christa	Research Assistant
Fort	Caleb	On-Call Staff
Forys	Michelle	Research Scientist 1
Frank	Brian	On-Call Staff
Garcia	Lorenzo	Event Planner
Gehres	Nathan	Research Scientist 2
Ghosh	Ushnik	Temporary Staff Bi-weekly
Good	Jennifer	On-Call Staff
Grey	Rachel	Temporary Staff Bi-weekly
Herrera	Gloria	Research Assistant
Hutchins	John	On-Call Staff
Hutchinson	Miriam	On-Call Staff
Jackson	Charles	Field Research Tech/Life Sciences
Jim	Patricia	Research Assistant
Judd	Kevin	Facilities Services Tech
Kanagy	William	Temporary Staff Bi-weekly
Kapoor	Maya	Research Scientist 1
Long	Jason	Research Assistant
Love	Corey	Field Research Tech/Lifes Sciences

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UNM DEPARTMENT OF BIOLOGY STAFF 2009-10

Maravilla	Erick	Research Assistant
Markwell	Samuel	On-Call Staff
Martin	Tamra	Temporary Staff Bi-weekly
Martinez	Avelina	Academic Advisor
McQueen	Catherine	On Call Staff
Moss	James	Analyst/Programmer 2
Moya	Monica	Temporary Staff Bi-weekly
Mulhouse	John	Research Scientist 1
Nieto	Brenda	On Call Staff
Nolen	Matthew	On Call Staff
Ochmanek	Emily	On-Call Staff
Odenbach	Kylea	On Call Staff
Ortiz	Shynoke	Sr. Student Program Advisor
Ouellette	Rina	Admin Assistant 2
Pena	Janeth	Research Assistant
Pickerill	Laura	On Call Staff
Runnels	Jennifer	On Call Staff
Sauer	Katherine	On Call Staff
Segel	Tallie	On Call Staff
Shauer	Lisa	On Call Staff
Shuster	Andrea	On Call Staff
Spector	Benjamin	On Call Staff
Stanley	Judith	On Call Staff
Stansbury	Savannah	Research Scientist 1
Thannish	Katherine	Admin Assistant III
Thomas	Raquela	Research Assistant
Tighe	Joseph	Fiscal Services Tech
Tribby	Mariel	On Call Staff
Tsentas	Elena	On Call Staff
Wilder	Shane	Temporary Staff Bi-weekly
Witt	Satya	Sr. Research Scientist 3
Yanabu	Leanne	Web Designer

SEPARATIONS

Arguelles	Alicia	Sr. Research Tech/Life Sciences
Arzate	Jasmin	Admin Assistant 2
Baca	Kennedy	Admin Assistant 2
Baca Denton	Michele	Sr. Research Tech/Life Sciences
Browder	Amanda	Sr. Research Tech/Life Sciences

UNM DEPARTMENT OF BIOLOGY STAFF 2009-10

Candelaria-Ley	Roxanne	Sr. Student Program Advisor
Chackraborty	Swagata	Sr. Research Tech/Life Sciences
Chakroff	Aleksandr	Data Analyst
Cordova	Gloria	Program Manager
Downey	Laura	Sr. Research Engineer III
Dragoo	Jerry	Sr. Research Scientist 2
Elwell	Jennifer	Sr. Research Tech/Life Sciences
Fencl	Jane	Field Research Tech/Life Sci
Gauntt	Jana	Research Tech/Life Sciences
Gauntt	Jana	HS Research Tech 2
George	Ginger	Field Research Associate Biol. Sciences
Glaser	Julie	Research Assistant/Staff
Gomez	Celina	Admin Assistant 2
Hall	Justine	Field Research Tech/Life Sci
Hall	Justine	Research Assistant
Hathaway	Jennifer	Research Scientist 1
Hatton	Elizabeth	Sr. Research Tech/Life Sciences
Hawk	Andrew	Field Research Tech/Life Sciences
Hicks	Sarah	Research Tech/Life Sciences
Hill	Judson	Research Scientsist II
Kennedy	Amanda	Sr. Research Tech/Life Sciences
LeJeune	Christian	Research Scientist 2
Lovato	Leanne	Research Tech/Life Sciences
Lun	Cheng Man	Research Scientist I
Hathaway	Jennifer	Research Scientist I
McGann	Jeanine	Web Designer
Nag	Kamalika	Research Tech/Life Sciences
Nguyen	Phuong Giang	Sr. Research Tech/Life Sciences
Pointeau	Virginie	Field Research Tech/Life Sci
Reyes	Janna	Branch/Div Hr Rep
Ruby	Maria	Coord., Program Advisement
Sacher	Sandy	Field Research Tech/Life Sciences
Sais	Reyes	Fiscal Services Tech
Sanchez	Lilliana	Services Intern
Schuetz	Jennifer	Sr. Research Tech/Life Sciences
Shore	Gregory	Analyst Programmer III
Sledge	David	Analyst/Programmer
Soole	Abby	Fiscal Services Tech
Spinelli	Matthew	Field Research Assistant
Stewart	Justin	Office Assistant
Stout	Barbara	HS/Associate Research 2

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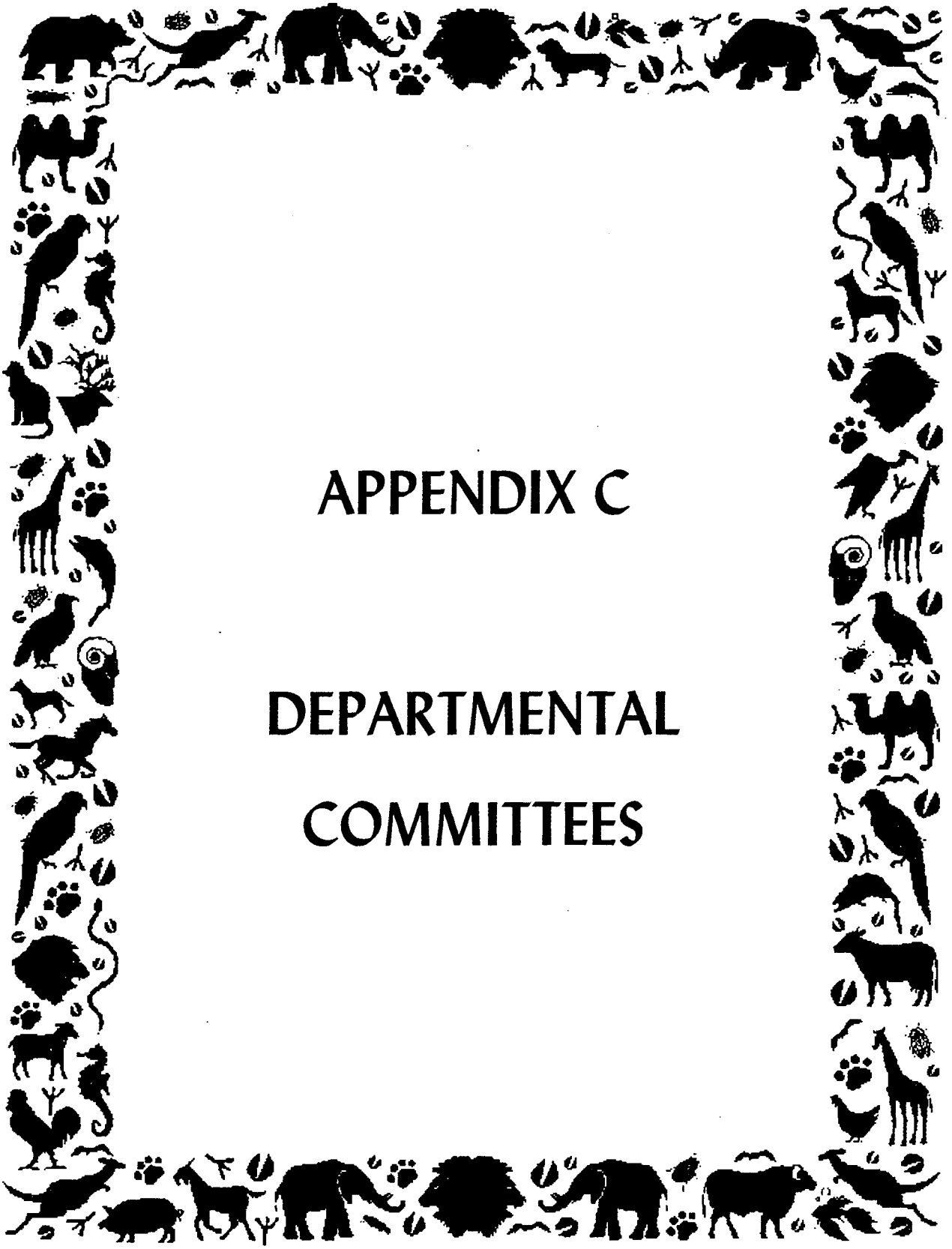
UNM DEPARTMENT OF BIOLOGY STAFF 2009-10

Stursova	Martina	Research Tech/Life Sciences
Swearingen	Douglas	Accounting Tech
Thomey	Michell	Research Scientist I
Wetherill	Karen	Research Scientist II
Young	Eric	Office Assistant



APPENDIX C

DEPARTMENTAL COMMITTEES

Faculty Committee Assignments 2009–2010

Chairman
Richard Cripps

Associate Chairs
Tim Lowrey
Will Pockman

Director, Museum of SW Biology
Tom Turner

Graduate Student Selection
Rob Miller, Chair
Cheryl Martin
Diane Marshall
Jim Brown
Ulfar Bergthorsson
Kelly Miller
Felisa Smith
BGSA,Trevor Krabbenhoft

Tenure and Promotion
Scott Collins, Chair
Sam Loker
Howard Snell
Joe Cook
Bruce Milne

Honors Program
Shannon McCoy-Hayes

Undergraduate Policy Committee
Steve Stricker, Chair
Shannon McCoy-Hayes
Eric Toolson
Jim Swan
BGSA, Roxanne Candelaria-Ley

Dept Review / Outcomes
Kelly Howe

Graduate Policy
Astrid Kodric-Brown, Chair
Vaishali Katju
Blair Wolf
Cheryl Martin
BGSA, Mason Ryan

Space/Buildings
Tim Lowrey, Chair
Sam Loker
Tom Turner
John Cox
Cheryl Martin
Roy Ricci
George Rosenberg
BGSA, Angela England

Seminars
Tina Vesbach
Lorenzo Garcia

Graduate Advisors
Ric Charnov
Don Natvig

Computers
Eric Toolson, Co-Chr
Nancy Davis, Co-Chr
BGSA, Diana Andres

Greenhouses
Diane Marshall, Chair
David Hanson
Jane Mygatt
Joy Avritt
Angela Hung

Research Day
Kelly Howe, Chair
Coen Adema
Felisa Smith
Marcy Litvak
Anne Rice
Tina Vesbach (Spring only)
BGSA,Fred Whiteman
BGSA, Brittany Barker
BGSA, Stacey Scholl

Graduation
Lee Couch, Co-Chr
Christina Fridrick, Co-Chr
Kelly Howe
Anne Rice
Heather Paulson
Lorenzo Garcia
Jim Swan

Biology Graduate Student Association
BGSA, Sally Koerner & Jen Plaut
Scott Collins, Fac sponsor

Curators
Joe Cook, Mammals
Tim Lowrey, Herbarium
Kelly Miller, Arthropods
Howard Snell, Amphibians/Reptiles
Tom Turner, Fishes
Chris Witt, Birds
Joe Cook, Genomic Res.
Sam Loker, Parasites

Museum SW Biology Exec Committee
Tom Turner, Chair
Curators, and Mike Bogan, Bob Sinsabaugh

Scholarships
Dave Hanson, Chair
Cheryl Martin
Shannon McCoy-Hayes
Ric Charnov
Randy Thornhill
Heather Paulsen
BGSA, Jarrett Hines

Undergraduate Academic Advising
Shannon McCoy-Hayes
Marieken Shaner
Cara-Lea C-G
Kelly Miller
Eric Toolson

Pre-Vet Advising
Bruce Hofkin

Department Publicity
Chris Witt

Field Programs and Vehicles
Bob Sinsabaugh
Don Natvig

Mol. Biology Facility
Rob Miller

Microscopy Facility
Steve Stricker

Library Liaison
Felisa Smith

LTER Director
Scott Collins

LTER Network Office Director
Bob Waide

Sevilleta Field Station Director
Don Natvig

IMSD Director
Maggie Werner-Washburne

CETI Director
Sam Loker

BGSA Computer Pod
BGSA, Diana Andres

Animal Care and Use
Blair Wolf

New Grad Student Orientation
Vaishali Katju (2009-10)
Helen Wearing (2009-10)

Glass Case Displays
Paul Farnsworth

Salary Committee
Don Natvig
Mary Anne Nelson
Will Pockman

Wed. Brown Bag Seminar
Astrid Kodric-Brown

Univ. & College Committees
A&S Senior Promotion
TBD by A&S

A&S Tenure and Promotion
Charlie Cunningham, Chair

A&S Undergrad Representative

Center for Research in Ecol Sci and Tech

Faculty Senate
Howard Snell

RAC Committee
Bob Waide

UNM Biosafety
Coen Adema

UNM Radiation Control Committee
Ulfar Bergthorsson

University Scholarship and Awards Committee

Executive Research Advisory Committee (ERAC)
Scott Collins

UNM Sustainability Studies Program, Director
Bruce Milne

UNM Academic Freedom/Tenure
Charles Cunningham

UNM Committee on Governance
Tim Lowrey

UNM Admissions and Registration

BA/MD Program Liaison
Helen Wearing

PIBBS Director
Jim Brown
Felisa Smith

MARC Director
Mary Anne Nelson

SEEDS Chapter
Scott Collins

PREP Director
Richard Cripps

UNO Director
Joe Cook

APPENDIX D

GRADUATE DEGREES AWARDED

UNM Department of Biology
Graduate Degrees Awarded by Semester, 2009–10

SUMMER 2009

M.S.

Cleavall, Lauren, "The Description of *Thermonectus nigrofasciatus* and *Rhantus binotatus* (Coleoptera: Dytiscidae) Mating Behavior." (K.B. Miller)

Green, Laura E., "Transient De-coupling of Photosynthesis and Stomatal Conductance in Response to Leaf Primary Vein Cut in *Helianthus annus*." (W.T. Pockman)

Grzymala, Traci L., "Taxonomic Revision and Phylogenetic Analysis of the Genus *Elytroleptus* Dugés (Coleoptera: Cerambycidae: Cerambycinae: Trachyderini)." (K.B. Miller)

Ph.D.

Bickford, Christopher P., "Environmental and Physiological Regulation of Carbon Isotope Discrimination and Internal Conductance in C_3 Leaves." (D.T. Hanson)

Kennedy, Thomas L., "The Effects of Stream Discharge and Channelization on the Macroinvertebrate Community in a Semi-arid Landscape." (T.F. Turner)

Van Horn, David, "Nutrient Cycling in Impacted Stream Ecosystems: From Microbes to Watersheds." (C.N. Dahm)

FALL 2009

Ph.D.

Barnes, Melanie Grace, "Population Biology of the Common Shrub Winterfat (Krascheninnikovia lanata: Chenopodiaceae): Implications for Restoration." With Distinction. (D.L. Marshall)

Crawford, Dolly Lynn, "The Role of Spatial and Genetic Modeling to Biogeography." (F.A. Smith)

Medeiros, Juliana Sibylla, "The Physiological Ecology and Evolution of Freezing Tolerance in Diploid *Larrea* sp." (W.T. Pockman)

Meirelles, Osorio, "Statistical Methods Applied to Microarrays and Flow Cytometry." (M. Werner-Washburne)

SPRING 2010

M.S.

Gilman, Casey Anderson, "Respiratory Physiology During Gravidity in *Crotaphytus collaris* and *Gambelina wislizenii*. (B.O. Wolf)

Hathaway, Jennifer Jane Marshall, "Molecular Phylogenetic Investigation of Microbial Diversity and Nitrogen Cycling in Lava Tubes in Terceira, Azores, Portugal." With Distinction (R.L. Sinsabaugh)

Ph.D.

Edelman, Andrew, "Variation in Delayed Dispersal and Burrow Architecture of Banner-tailed Kangaroo Rats." (A. Kodric-Brown)

McIntyre, Julie Lincoln, "Habitat Features, Mammal Interactions, and Recovery Approaches Important to a Rare, New Mexican Butterfly."(A. Kodric-Brown)

SUMMER 2010

Ph.D.

Martinez, Diego, "Genome Architecture in the Fungal Kingdom." With Distinction. (M.A. Nelson)

APPENDIX E

GRADUATE STUDENTS & FACULTY ADVISORS

UNM Department of Biology
GRADUATE STUDENTS & FACULTY ADVISORS, 2009–10

STUDENT	ADVISOR
Adamson, Tierney	Litvak, M.E.
Andres, Diana	Kodric-Brown, A.
Barker, Brittany	Waide, R.B.
Beckman, Elizabeth	Witt, C.C.
Bell, Kayce	Cook, J.A.
Benham, Fred	Witt, C.C.
Bettinelli, Julieta	Toolson, E.C.
Bu, Lijing	Katju, V.
Burger, Joseph	Brown, J.H.
Burnside, William	Brown, J.H.
Calabrese, Laura	Wolf, B.O.
Candelaria-Ley, Roxanne	Dahm, C.N.
Carles (Patrick), Elizabeth	Nelson, M.A.
Chuchra-Zbytniuk, Kathleen	Hanson, D.T.
Colman, Daniel	Takacs-Vesbach, C.D.
Davidson, George	Werner-Washburne, M.
Devkota, Ramesh	Loker, E.S.
DuBay, Shane	Witt, C.C.
Dunn, William	Milne, B.T.
Edelman, Andrew	Kodric-Brown, A.
England, Angela	Marshall, D.L.
Eppig, Christopher	Thornhill, R.
Evangelisti, Annette	Natvig, D.O.
Farslow, James	Bergthorsson, U.
Flanagan, Tatiana	Brown, J.H.
Franklin, Melissa	Charnov, E.L. & Watson, P.
Frazier, Christopher	Marshall, D.L.
Fristoe, Trevor	Brown, J.H.
Gaines, Karen	Molles, M.C. Jr. & Kodric-Brown, A.
Gray, Levi	Poe, S.
Gross, Amanda	Claiborne, B.J.
Gunning, Christian	Wearing, H.J.
Hamilton, Anna	Dahm, C.N.
Hathaway, Jennifer	Takacs-Vesbach, C.D. & Northup, D.E.
Hayes, Charles	Wolf, B.O.
Hicks, Sarah	Sinsabaugh, R.L.
Hines-Kay, Jarrett	Cunningham, C.
Hope, Andrew	Cook, J.A.
Hopkins, Heidi	Kodric-Brown, A. & Miller, K.B.
Horner, Mark	Miller, R.D.
Hung, Angela	Kodric-Brown, A.
Hyde, Theresa	Wolf, B.O.
Ista, Linnea	Werner-Washburne, M.
Kanigel, Kimberly	Nelson, M.A.
Kavanaugh, John	Cook, J.A.
Khalsa, Hari Nam Simran	Collins, S.L. & Parmenter, R.R.
Kitchen, Christopher	Natvig, D.O.
Koerner, Sarah	Collins, S.L.
Krabbenhoft, Trevor	Turner, T.F.
Krofcheck, Daniel	Litvak, M.E.
Labeau, Elisa	Bergthorsson , U.
Ladwig, Laura	Collins, S.L.
Latella, Ian	Snell, H.L.
Lelevier, Michael	Witt, C.C.
Letendre, Kenneth	Thornhill, R. & Watson, P.
Linderoth-Hummel, Ondrea	Molles, M.C. Jr.
Lopez, Sara	Sinsabaugh, R.L.
Lord, Nathan	Miller, K.B.
Lovato, TyAnna	Cripps, R.M.
Malaney, Jason	Cook, J.A.
Martinez, Diego	Nelson, M.A.
Mathiasen, Cindy	Wolf, B.O.

STUDENT	ADVISOR
McInnes, Theresa	Snell, H.L.
McIntyre, Julie	Kodric-Brown, A.
Medrano, Michael	Molles, M.C. Jr. & Lowrey, T.K.
Mirabal, Susan	Hanson, D.T.
Morriss, Ginny	Cripps, R.M.
Murray, Ian	Wolf, B.O. & Smith, F.A.
Nearns, Eugenio	Miller, K.B.
Netz, Sierra	Turner, T.F.
Nonaka, Etsuko	Collins, S.L.
Okie, Jordan	Brown, J.H.
Pederson, Nicholas	Snell, H.L.
Pershall, Alaina	Wolf, B.O.
Phillips, Reese	Snell, H.L.
Pilger, Tyler	Turner, T.F.
Plaut, Jennifer	Pockman, W.T.
Rearick, Jolene	Cook, J.A.
Rupert, Shannon	Dahm, C.N. & Bixby, R.
Ryan, Mason	Poe, S.
Santistevan, Miguel	Milne, B.T.

STUDENT	ADVISOR
Sawyer, Yadee	Cook, J.A.
Schaad, Eric	Poe, S.
Scholle, Stacy	Takacs-Vesbach, C.D.
Scholle, Steven	Turner, T.F.
Simpson, Heather	Marshall, D.L.
Snider, Jessica	Pockman, W.T.
Swenton (Olson), Daniella	Kodric-Brown, A.
Talbot, William	Wolf, B.O.
Tellez, Monica	Miller, K.B.
Thomas, Jason	Cook, J.A.
Thomey, Michell	Collins, S.L.
Tichy, Jennifer	Dahm, C.N.
Timmons, Heather	Snell, H.L.
Van Horn, David	Dahm, C.N.
Wang, Xinxin	Miller, R.D.
West, Rhiannon	Thornhill, R.
Wetherill, Karen	Miller, K.B.
Whiteman, Shawn	Smith, F.A.
Winslow, Frederic	Wolf, B.O.
Wright, Jeremiah	Witt, C.C.
Wright, Natalie	Witt, C.C.
Zuo, Wenyun	Brown, J.H.

APPENDIX F

COURSE FEE SUMMARY

UNM DEPARTMENT OF BIOLOGY
Course Fees Review

Overall FY 2005/06–2009/10

The Course Fees Account was established to help departments recuperate costs associated with expensive teaching classes. Unfortunately, because funding from the Legislature is inadequate to support fully the teaching mission, the Course Fees Account passes to all students some or all of the costs associated with teaching. In FY 2006–07, when the Biology Department faced extreme deficits in the I&G account, as well as providing state-of-the-art equipment for a new basement renovation that teaches the core undergraduate laboratory classes, the decision was made to charge the following course fees:

- $5.00 for all lecture classes;
- $10.00 for all discussion classes;
- $30.00 for all lab classes;
- $75.00 for all field trip and anatomy and physiology classes.

This account must be spent on course-related supplies and is reconciled after every semester. This account also is subject to the Banner and Regent's taxes. During this past fiscal year, the University implemented a rewards program for departments that had increased enrollment. This past year, because student enrollment and student credit hours are again on the rise, we were rewarded with an additional $4,581.25. The following table shows the revenue received for each fiscal year from courses fees.

Course Fees Revenue					
	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10
Revenue	$83,674.30	$136,079.20	$177,293.48	$192,590.00	$191,087.00
Banner Tax	$836.74	$1,360.79	$1,772.93	$1,925.90	$1,910.87
Total Revenue	$82,837.56	$134,718.41	$175,520.55	$190,644.10	$189,176.13

Because course demands and expenses have increased continuously, the total revenue has increased significantly over the past five years. The following table shows the percentage increase by fiscal year. However, last year was the first year that we saw a decline in course fees. While this was not a significant decline; there was a decline in funding. Additionally, student enrollment and student credit hours were again increasing. The decline is attributed to more students taking special topics and problems classes than in past years. These classes have no course fee or a very nominal one ($5.00).

Course Fee Revenue Increase					
	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10
Total Revenue	$82,837.56	$134,718.41	$175,520.55	$190,664.10	$189,176.13
Percentage Increase/Decrease	14.80%	38.51%	23.24%	8.63%	-0.78%

The major expenses in the Course Fee Account are laboratory supplies. On average, 95.4% of all expenditures incurred in this account are related directly to lab supplies needed to teach classes. The other expenses are related to copying and general administrative costs.

The following chart shows how much money was available to spend on each student based on student data enrollment with respect to the Total Revenue from the table directly above.

Average Student and Credit Allotments					
	FY 2005–06	FY 2006–07	FY 2007–08	FY 2008–09	FY 2009–10
Total Revenue	$82,837.56	$134,718.41	$175,520.55	$190,664.10	$189,176.13
No. of Students	10,325	10,028	11,511	11,811	12,029
No. of Credit Hours	23,820	23,393	26,842	27,441	27,464
Student Allotment	$8.02	$13.43	$15.25	$16.14	$15.73
Credit Allotment	$3.48	$5.76	$6.54	$6.95	$6.89

Note: Notice that student enrollment continues to increase every year, as well as the number of credit hours being offered. The average student allotment support over the past five years is $13.71 which is an increase from last year, and the average credit allotment support is $5.93. While this money still does not cover all of the costs associated with teaching laboratory classes, it does help to support the teaching mission. The department expects to generate approximately $190,000 in revenue to help support the teaching mission, because enrollment continues to increase. Unfortunately, because I&G needs keep increasing and the University rescinds more and more I&G funding ($208,000), the Department relies more and more on the revenue from course fees. Because the fees are nominal, the Department does not experience a decline in enrollment. It is never the intention of the Biology Department to pass the costs of teaching to the students; however because of the demands of teaching lab courses and the significantly declining I&G budget and funds available; the Department does pass a nominal amount in comparison to many other departments on campus to the students. However, student enrollment and credit hours is not hurting.

APPENDIX G

MOLECULAR BIOLOGY FACILITY ANNUAL REPORT

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MOLECULAR BIOLOGY FACILITY

Department of Biology
Fiscal Year 2009-2010
Annual Report
Robert D. Miller

The Molecular Biology Facility (MBF) at the UNM Department of Biology provides three principal areas of support. First, it is a common equipment facility for faculty and students who routinely use the tools of molecular biology in their research. Second, it is a support facility for faculty and students who do not have laboratory space of their own suitable for conducting research that utilizes molecular biology techniques. Third, the MBF provides support for several classes with teaching equipment, student training, and outreach to non-UNM organizations. All three roles are equally important and interdependent. Faculty and students from other A&S Departments, including Anthropology, Earth & Planetary Sciences, and Chemistry, and from the Schools of Medicine and Engineering, also utilize the MBF for both research and training. Based on the data contained in this report, the MBF is arguably among the most heavily utilized support units within the Biology Department.

The MBF's role in education and training in the Department and the community continued this fiscal year. Four courses taught within Biology (Biol. 352, 425, 446, 478) used the facility. The most critical role in training which the MBF plays, however, remains direct, hands-on research experience for graduate students and undergraduates working on independent projects with faculty mentors.

Highlights for the 2009-2010 fiscal year include:

1. Based on data from the Office of Research Services, there were 45 grants active this fiscal year that utilized or depended upon the MBF. These grants amounted to more than $20 million in total awards.

2. Based on a search of the ISI Web of Knowledge there were 22 MBF-related peer-reviewed manuscripts published in fiscal year 2009-2010.

3. More than 62000 sequence, microsatellite and amplified fragment length polymorphism (AFLP) samples were run on the MBF's two ABI 3130xl Genetic Analyzers.

MOLECULAR BIOLOGY FACILITY AT THE UNM DEPARTMENT OF BIOLOGY

STAFF

Director: Robert D. Miller

Research Scientist/Manager: George H. Rosenberg

Teaching Assistants:
Ramesh Devkota (Fall 2009 and Spring 2010)
Jennifer Hathaway (Fall 2009)
Michael Lelevier (Spring 2010)
XinXin Wang (Summer 2010),
Sierra Netz (Summer 2010)

MAJOR NEW EQUIPMENT ACQUISITIONS

Funds from an American Recovery and Reinvestment Act (ARRA) NIH supplemental grant to the MARC program were used to renovate MBF labs in CastetterHall 233 and 252A. These funds were also used to buy a Millipore MilliQ Water Purification System and a Labconco Centrivap Sample Drying System.

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USERS: 2009-2010

Faculty (27):

Adema, Barton, Bergthorsson, Cook, Cripps, Cunningham, Gangestad (Psychology), Hanson, Hofkin, Hunley (Anthropology), Katju, Kodric-Brown, Loker, Lowrey, Miller R, Miller K, Natvig, Nelson, Pockman, Poe, Sinsabaugh, Smith, Stricker, Takacs-Vesbach, Turner, Werner-Washburne, Witt

Adjunct or Part-time Faculty (7):

Michelle Baker, Sara Brant, Jerry Dragoo, Jeff Nekola, Dianna Northup, Megan Osborne, Si-Ming Zhang

Postdoctoral Fellows (13):

Anton Bryantsev, Ayesha Burdett, Maria Chechenova, Ben Hanelt, Patrick Hanington, Larissa Harding, Matt Kirk, Zi Li, Hong Nian, Zuly Parra, Fernando Torres-Perez, Andrea Porras-Alfaro,Bo Wang

Graduate Students (36):

Britney Barker, Libby Beckman, Phred Benham, Lijing Bu, Dolly Crawford, Ramesh Devkota, Shane DuBay, James Farslow, Jennifer Hathaway, Jarrett Hines Andrew Hope, Angela Hung, John Kavanaugh, Trevor Krabbenhoft, Katina Krasnec, Elisa LaBeau, Michael Lelevier, Nathan Lord, Tyanna Lovato, Jason Maleney, Juliana Mederos, Elizabeth Montana, Ginny Morris, Eugenio Nearns, Sierra Netz, Tyler Pilger, Joline Rearick, Joanna Redfern, Meghan Rogahn, Yadeeh Sawyer, Jessica Snyder, Daniella Swenton, Illanit Tal, Jason Thomas, Dave Van Horn, Xin Xin Wang

Undergraduates (76):

Keith Adams, Devaraj Aran, Vani Aran, David Banks-Richardson, Mathew Bergsten, Carmela Carrasco, Jesus Carrette-Lopez, Josh Castillo, Dan Colman, Victoria Corvino, Brandi Cron, Tracy Diver, William Edelman, Martha Esteva, Erin Fenton, Shannon Fitzpatrick, Caroline Franco, Margaret Garcia, Matt Garcia, Catherine Geisik, Ali Ghadimi, Ushnik Ghosh, Roberto Gomez, Matt Graus, Brita Hakkila, Laura Henderson, Sarah Hicks, Kaitlyn Hughes, Miriam Hutchinson, Carmalita Jaramillo, Alex Jenks, Jason Kimble, Thai Lee, Katie Liberatore, Oscar Maldonado, Jason Marquardt, Grace Mason, Camerin McMillan, Jasmine McNeill, Jennifer Mecklenburg, Kevin Mitchell, Elizabeth Montano, Ashley Montoya, Stephanine Moquin, Faynessa Mott, Monica Moya, Jason Mullenix, Cloyce Nelson, Phong Nguyen, Journey Nolan, Amaka Nwagbologu, Vance Oas, Kylea Odenbach, Lucy Packard, Dan Parker, Justin Pichardo, Ashton Pick, Joshua Plank, Hallie Rane, Caroline Rempe, Hagit Salamon, Alana Sharp, Jessica Smith, Kelly Spear, April Tafoya, Ashley Talbot, Phillip Tapia, Nicole Telles, Raquela Thomas, Bradley Tonnessen, Jesse Trujillo, Martha Jo Vargas, Amanda Watson, Doug Whalen, Melissa Wilson, Rebecca Zalar

Research Staff (12):

Melanie Adams, Erica Baca, Sarah Buddenborg, Swagata Chakraborty, Pauline Cupit, Michele Forys, Jana Gauntt, Mary Ann Jaramillo, Candice Lovato, George Rosenberg, Savannah Stansbury, Brad Truett

Visiting Scientists Using the Facility (12):

Amy Clement (Carleton College) working with Dr. Northup
Chao Dong (UNM Chemistry)
Jose Herrera (Truman State University) working with Dr. Sinsbaugh and Dr. Natvig
Carol Linder and Lisa Bentson (New Mexico Highlands University)
Wael Lotfy (Medical Research Institute Alexandria, Egypt) working with Dr. Loker
Marilee Morgan and Stephanie Garcia (The Mind Initiative)
Andrea Porras-Alfaro (Western Illinois University) working with Dr. Natvig
Christina Riquelme (Univ. of the Azores) working with Dr. Northup
Arjun Thapa (Chemical Engineering/UNM Lopez Lab)
Yi Zhang (Shanghai, Chinese CDC) working with Dr. Zhang
Hong Zhao (Chemistry/Dunaway-Mariano Lab)

INSTRUCTION AND TRAINING

Formal Courses that used the MBF

Biol 352 General Microbiology Lab
Biol 425 Molecular Genetics
Biol 446/546 Molecular Methods
Biol 478 Plant Physiology

Undergraduate Training Programs whose students or Fellows used the MBF

1. IMSD
2. MARC
3. UNO
4. PREP

SPONSORED PROJECTS USING THE MBF

Principal Investigator(s): Adema
Sponsor: National Institutes of Health
Amount: $740,000
Title: Anti-pathogen Responses in Biomphalaria Glabrata
Project Period: 06/19/09-05/31/11

Principal Investigator(s): Bergthorsson
Sponsor: National Science Foundation
Amount: $150,357
Title: The Spontaneous Rate of Gene Duplication and Deletion in a Model Organism, Caenorhabditis Elegans
Project Period: 03/01/10-02/28/11

Principal Investigator(s): Cook
Sponsor: National Science Foundation
Amount: $485,648
Title: RCN-UBE: AIM_UP (Advancing the Integration of Museums into Undergraduate Programs)
Project Period: 05/01/10-04/30/15

Principal Investigator(s): Cook
Sponsor: Department of Agriculture
Amount: $49,983
Title: Mammal Inventory of the Tongass National Forest
Project Period: 07/19/05-07/31/10

Principal Investigator(s): Cook
Sponsor: National Security Technologies LLC
Amount: $15,000
Title: BCP-Nevada Samples
Project Period: 06/01/07-12/15/10

Principal Investigator(s): Cook
Sponsor: National Science Foundation
Amount: $624,060
Title: URM: Undergraduate Nurturing Opportunities (UNO) in the Biological Sciences in the Southwestern US
Project Period: 09/01/07-08/31/10

Principal Investigator(s): Cook
Sponsor: National Science Foundation
Amount: $259,285
Title: Collaborative Proposal - Curation, Data Basing and Integration of the Orphaned Illinois Mammal Collection.
Project Period: 04/01/08-03/31/11

Principal Investigator(s): Cook
Sponsor: US Forest Service
Amount: $280,000
Title: ISLES - Tongass
Project Period: 09/04/08-09/30/13

Principal Investigator(s): Cook
Sponsor: US Forest Service
Amount: $55,586
Title: ISLES - Tongass
Project Period: 08/12/08-09/30/13

Principal Investigator(s): Cripps
Sponsor: National Institutes of Health
Amount: $696,639
Title: UNM PREP: Postbaccalaureate Research Education Program-Renewal
Project Period: 03/01/09-02/28/11

Principal Investigator(s): Cripps
Sponsor: Department of Health and Human Services
Amount: $39,450
Title: Genetic Regulation Of Muscle Fiber Diversity
Project Period: 05/01/01-04/30/11

Principal Investigator(s): Cripps
Sponsor: National Institute of General Medical Sciences
Amount: $58,175
Title: ARRA-Genetic Regulation of Muscle Fiber Diversity
Project Period: 08/01/09-04/30/10

Principal Investigator(s): Cripps
Sponsor: American Heart Association
Amount: $50,000
Title: The Role of Tripartite Mostif Protein Abba in the Development & Maintenance of Muscle in Drosophila
Project Period: 07/01/09-06/30/11

Principal Investigator(s): Cripps
Sponsor: National Institutes of Health
Amount: $2,219,858
Title: Genetic Regulation of Muscle Fiber Diversity
Project Period: 05/01/01-04/30/11

Principal Investigator(s): Cripps
Sponsor: National Institutes of Health
Amount: $51,756
Title: Genetic Regulation of Muscle Fiber Diversity
Project Period: 05/01/04-04/30/11

Principal Investigator(s): Cripps
Sponsor: National Institutes of Health
Amount: $1,278,475
Title: Genetic Regulation of Cell Fate in the Drosophila Heart
Project Period: 04/01/05-03/31/11

Principal Investigator(s): Cripps
Sponsor: American Heart Association
Amount: $198,000
Title: Genetic Control of Muscle Remodeling in Drosophila
Project Period: 01/01/08-12/31/10

Principal Investigator(s): Cripps
Sponsor: March of Dimes
Amount: $246,713
Title: Specification and Function of the Cardiac Pacemaker
Project Period: 06/01/08-05/31/11

Principal Investigator(s): Hanson
Sponsor: National Science Foundation
Amount: $360,000
Title: Light Enhanced 13C Enrichment of Dark Respired C02: Implications for Leaf Internal C02 Conductance and Respiration in the Light
Project Period: 07/01/07-07/31/10

Principal Investigator(s): Loker
Sponsor: National Center for Research Resources
Amount: $1,583,308
Title: COBRE Center for Evolutionary and Theoretical Immunology
Project Period: 07/01/09-05/31/11

Principal Investigator(s): Loker
Sponsor: National Center for Research Resources
Amount: $180,000
Title: COBRE Center for Evolutionary and Theoretical Immunology
Project Period: 07/01/09-05/31/11

Principal Investigator(s): Loker
Sponsor: National Center for Research Resources
Amount: $1,918,806
Title: COBRE Center for Evolutionary and Theoretical Immunology
Project Period: 07/01/09-05/31/11

Principal Investigator(s): Loker
Sponsor: National Institutes of Health
Amount: $1,626,457
Title: Biology of Trematode-Snail Associations
Project Period: 03/01/06-02/28/11

Principal Investigator(s): Loker
Sponsor: National Institutes of Health
Amount: $1,389,147
Title: Evo-epidemiology of Schistosoma mansoni in Western Kenya
Project Period: 04/01/04-04/30/10

Principal Investigator(s): Loker
Sponsor: National Institutes of Health
Amount: $110,280
Title: Evo-epidemiology of Schistosoma Mansoni in Children in Kenya
Project Period: 08/01/08-04/30/11

Principal Investigator(s): Loker
Sponsor: National Center for Research Resources
Amount: $301,721
Title: COBRE Center for Evolutionary and Theoretical Immunology
Project Period: 07/01/09-05/31/11

Principal Investigator(s): Miller,K
Sponsor: National Science Foundation
Amount: $269,789
Title: CAREER: Phylogenetic Revisions of South American Water Beetles (Coleoptera: Adephaga: Hydradephaga): A Model For Teach
Project Period: 03/15/09-02/28/11

Principal Investigator(s): Miller,R
Sponsor: National Science Foundation
Amount: $600,000
Title: Marsupial Immunobiology
Project Period: 05/01/07-04/30/11

Principal Investigator(s): Miller,R
Sponsor: National Science Foundation
Amount: $6,000
Title: REU Supplement: Marsupial Immunobiology
Project Period: 05/01/07-04/30/11

Principal Investigator(s): Natvig
Sponsor: US Forest Service
Amount: $61,300
Title: Does Drought Exacerbate Damage Caused by Bark-Beetle-Associated Fungi in Pinyon-Juniper Woodland Ecosystems?
Project Period: 05/05/06-05/05/11

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Principal Investigator(s): Natvig
Sponsor: US Forest Service
Amount: $15,235
Title: Does Drought Exacerbate Damage Caused by Bark-Beetle-Associated Fungi in Pinyon-Juniper Woodland Ecosystems?
Project Period: 05/05/06-05/05/11

Principal Investigator(s): Northup
Sponsor: National Science Foundation
Amount: $19,875
Title: Collaborative Research: Biogenic Cave Carbonates: Identifying Surface Carbon Inputs to Subsurface Ecosystems
Project Period: 09/01/07-08/31/11

Principal Investigator(s): Northup
Sponsor: SW Region of the National Speleological Society
Amount: $365
Title: Investigation of Nitrogen Cycling by Bacteria in Spider Cave, NM
Project Period: 12/15/09-12/14/10

Principal Investigator(s): Northup
Sponsor: Western National Parks Association
Amount: $7,500
Title: Characterizing Under Surveyed Microbial Mat Communities in the Lava Tubes of El Malpais National Monument
Project Period: 01/01/10-01/01/11

Principal Investigator(s): Northup
Sponsor: National Science Foundation
Amount: $112,982
Title: Collaborative Research: Biogenic Cave Carbonates: Identifying Surface Carbon Inputs to Subsurface Ecosystems
Project Period: 09/01/07-08/31/11

Principal Investigator(s): Turner
Sponsor: Sandia National Laboratories
Amount: $32,238
Title: Characterization of Algal Pigments via High Performance Liquid Chromatography
Project Period: 01/20/10-08/31/10

Principal Investigator(s): Turner
Sponsor: Bureau of Reclamation
Amount: $473,218
Title: Assessment and Monitoring of Rio Grande Silvery Minnow Genetics
Project Period: 07/15/07-09/30/12

Principal Investigator(s): Turner
Sponsor: National Science Foundation
Amount: $344,914
Title: Community Responses to River Drying in an Arid-Land Ecosystem: a Field and Experimental Study
Project Period: 08/15/07-07/31/11

Principal Investigator(s): Turner
Sponsor: National Science Foundation
Amount: $28,500
Title: Community Responses to River Drying in an Arid-Land Ecosystem: a Field and Experimental Study
Project Period: 08/15/07-07/31/11

Principal Investigator(s): Werner-Washburne
Sponsor: National Institutes of Health
Amount: $1,281,007
Title: Initiative to Maximize Student Diversity
Project Period: 03/01/00-02/28/13

Principal Investigator(s): Werner-Washburne
Sponsor: Sandia National Laboratories
Amount: $25,000
Title: Using Yeast GFP-Fusion Proteins for Biosensor Development
Project Period: 03/01/10-09/30/10

Principal Investigator(s): Werner-Washburne
Sponsor: National Science Foundation
Amount: $590,947
Title: The Biogenesis and Survival of Vegetative, Quiescent Yeast Cells
Project Period: 01/22/07-03/31/11

Principal Investigator(s): Witt
Sponsor: EPG - Sun Zia
Amount: $170,000
Title: Rio Grande Bird Study for the Sun ZiaZia Transmission Line Project
Project Period: 11/20/09-05/31/10

Principal Investigator(s): Zhang
Sponsor: National Institutes of Health
Amount: $301,000
Title: Molecular Studies of Immuno- Parasitology in Snails
Project Period: 05/17/10-04/30/11

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Principal Investigator(s): Zhang
Sponsor: National Institutes of Health
Amount: $1,110,750
Title: Molecular Studies of Immuno- Parasitology in Snails
Project Period: 07/01/07-06/30/11

PEER REVIEWED PUBLICATIONS WHICH UTILIZED THE FACILITY

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Agola, L.E., Steinauer, M.L., Mburu, D.N., Mungai, B.N., Mwangi, I.N., Magoma, G.N., Loker, E.S., and Mkoji, G.M. (2009). Genetic diversity and population structure of Schistosoma mansoni within human infrapopulations in Mwea, central Kenya assessed by microsatellite markers. Acta Tropica 111, 219-225.

Baker, M.L., Melman, S.D., Huntley, J., and Miller, R.D. (2009). Evolution of the opossum major histocompatibility complex: evidence for diverse alternative splice patterns and low polymorphism among class I genes. Immunology 128, e418-e431.

Brant, S.V., and Loker, E.S. (2009). Etiology and Epidemiology of Cercarial Dermatitis in North America. American Journal of Tropical Medicine and Hygiene 81, 703.

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Eizirik, E., Murphy,W.J., Koepfli, K-P., Johnson, W.E., Dragoo, J.W., Wayne, R.K., O'Brien, S.J. (2010). Pattern and timing of diversification of the mammalian order Carnivora inferred from multiple nuclear gene sequences. Molecular Phylogenetics and Evolution, 56:49-63.

Hanelt, B., Brant, S.V., Steinauer, M.L., Maina, G.M., Kinuthia, J.M., Agola, E.L., Mwangi, I.N., Mungai, B.N., Mutuku, M.W., Loker, E.S., et al. (2009). A Survey Of Rodents For Schistosomes From The Lake Victoria Basin, Kenya, The Discovery Of A New Schistosome Species, And The Implications For Schistosomiasis Control Strategies. American Journal of Tropical Medicine and Hygiene 81, 1049.

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Hanington, P.C., Lun, C.M., Adema, C.M., and Loker, E.S. (2010). Time series analysis of the transcriptional responses of Biomphalaria glabrata throughout the course of intramolluscan development of Schistosoma mansoni and Echinostoma paraensei. International Journal for Parasitology 40, 819-831.

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APPENDIX H

MUSEUM OF SOUTH-WESTERN BIOLOGY SUMMARY

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2009 Annual Report
Museum of Southwestern Biology

Thomas F. Turner, Director

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1 September 2010

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Museum of Southwestern Biology
Annual Report for 2009

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Museum of Southwestern Biology
Annual Report for 2009

MSB Director's Summary – Thomas F. Turner, Director and Curator of Fishes

As of December 31st 2009, I completed two and one-half years as Director of the Museum of Southwestern Biology (MSB) and almost 12 years as Curator of Fishes. During my tenure as director, the MSB has adopted a more cohesive operational model among its 10 Divisions, as demonstrated by several major cross-divisional initiatives that are underway or planned (details provided below). Reports from individual divisions below reflect uniformly high curatorial and academic standards of the museum staff. The security of the MSB as a repository appears stronger now than when the collections were housed in Castetter Hall, and UNM as a whole has recognized the value of museums through the development of collections policy and formation of a university-wide Museum Council. However, specimen security, adequate and sufficient housing for collections, and space accommodation for future collections growth remain a major concern at the MSB. Divestment in higher education in New Mexico, which began in 2007 and became more severe in 2009, also is a threat to the security of the collections. Divestment is likely to have negative impacts on care and preservation of natural history specimens in the long term, despite the fact that UNM has ostensibly made a commitment to these specimens in perpetuity. Furthermore, divestment comes at a time when climate change and other anthropogenic disturbances are highly likely to affect natural resource management and the broader economy of New Mexico. Investment rather than divestment in natural history collections is paramount to provide a historical database to assess future changes and their effects on natural resources.

The Mission of the MSB

The MSB is a unit within the Department of Biology, and its mission is to document, act as a repository for, and interpret specimens and data that represent biological diversity in order to increase and disseminate knowledge of our natural environment. The MSB is dedicated to advancing knowledge in, and service to, the scientific fields of organismal biology, ecology, systematics, public health, and natural history and applying our resources and expertise to the service of UNM, the state of New Mexico, and to the wider regional, national, and international scientific communities. The mission of the MSB fits well into the broader mission of the UNM College of Arts and Sciences, that is, to create new knowledge through research, to broadly disseminate existing and new knowledge to students, and to train students in the evaluation and application of ideas to issues important to society at the local, state, national, and international levels.

The MSB performs educational, training, service, and curatorial roles that magnify the teaching, scholarship, and outreach missions of Biology and the College of Arts and Sciences at UNM. MSB collections of more than four million objects are worldwide in scope but many Divisions focus on the ever-changing environments in the southwestern United States. There are major collections of all vertebrate groups, invertebrates,

vascular plants, and frozen tissues. Nearly all specimen records and field data are captured electronically and many are geo-referenced and disseminated via the world-wide-web and other media. Curatorial standards and practices for the MSB are consistent with "best practices" outlined by the American Association for Museums (http://www.aam-us.org/aboutmuseums/standards/index.cfm). Full details are specified in the MSB Collection Policy (http://msb.unm.edu/policy.html).

MSB University-Wide Activities in 2009

UNM Museum Policy Approval Process Completed -. In December 2009 (effective January 2010) The UNM Regents approved policy 6410 entitled "Museums and Collections" in the University Business Policies and Procedures Manual. This policy recognizes the responsibilities and roles of University of New Mexico (UNM) museums and collections "to increase knowledge, understanding, and appreciation of the physical, cultural, and biological world by collecting, maintaining, researching, and interpreting material objects and the contextual data associated with them". The policy clearly defines obligations of Curatorial staff, UNM Regents, the UNM President and Provost, and Cognizant Unit Heads (i.e., Deans) for adequate housing, care, dissemination and interpretation of these objects in perpetuity. It also defines standards for making these objects accessible and available to the scientific community while preserving the integrity and quality of the specimens through active stewardship. MSB Policy is consistent with this more general guiding document.

Progress on a UNM Museum Studies Program. The MSB, in collaboration with the Maxwell Museum of Anthropology [lead], the Meteorite Museum, and the UNM Art Museums, continued to make progress on development of a graduate (MS-granting) museum studies program. Program and curriculum forms have been reviewed by the UNM Registrar, the Office of Graduate Studies, and the A&S curriculum committee. The Fine Arts curriculum committee is reviewing and will provide comments in fall semester 2010. Our plan is to submit for consideration by the UNM Faculty Senate in Fall 2010. The College of Arts and Sciences has contributed significant resources including a new faculty position in addition to the new Director to coordinate this effort.

MSB Productivity in support of UNM's Mission

In 2009, the MSB made substantive contributions to the education, research, teaching, and service mission of the University of New Mexico. A 5-year compilation of metrics shows that 2009 was a record year for performance in terms of scientific productivity (published papers by MSB staff, papers by outside researchers that are supported by MSB specimens), students trained, and grant dollars in force. The metrics in the table below were counted from Divisional reports over the last five years. A description and context for each metric is listed below the table and specific details about metrics can be gleaned from Divisional reports for 2009.

Table 1. Metrics tracked over the last five years in the Museum of Southwestern Biology. These metrics were chosen by consensus at a museum-wide retreat in 2007. Numbers are compiled from divisional reports (reports for 2009 are included in this document, other annual reports are available upon request). Similar metrics are presented in the 10-year review of the MSB (also available upon request) prepared as part of the Department of Biology's self study for decadal review.

Metric	2005	2006	2007	2008	2009	Total Last Five Years
1. Collection growth (Specimens Cataloged)	174203	180545	392509	389144	136248	1272649
2. Loans Out	122	124	122	125	128	621
3. Professional Visitors to the Collections	761	637	795	795	953	3941
4. Collection Database Web Site Hits	51068	57099	NR	51287	319745	479199
5. RFIs Answered in Person	557	1316	1167	1196	1355	5591
6. Outside Publications Citing MSB Specimens	68	42	53	60	68	291
7. Peer-Reviewed Publications by Divisional Staff	60	62	48	54	79	303
8. Technical Reports	35	35	37	30	24	161
9. UNM Courses using the Collection	19	25	23	22	25	114
10. UNM Courses taught by Divisional Staff	19	23	21	22	24	109
11. Graduate Students	34	34	36	35	51	
12. Graduate Theses/Dissertations	2	5	8	8	4	27
13. Undergraduate Students	57	54	54	54	91	
14. No. Grants/Contracts in Force	75	98	87	98	94	
15. Grants In Force/Total Costs	$6,992,011	$3,892,602	$9,825,425	$9,444,626	$11,239,035	
16. Grants in Force/ F&A	$690,185	$723,372	$1,186,838	$1,449,793	$2,141,328	

NR – not reported

Metric Descriptions

(1) Collection growth reported in number of specimens-. is a measure of growth and curatorial activity in the museum. The MSB exhibited a decline in the number of specimens cataloged compared to 2008. Years 2007 and 2008 were marked by all-out efforts to integrate several major orphaned collections as detailed above, and these projects were either completed or nearing completion in 2009.

(2) Number of specimen loans made to outside researchers and institutions-. These are specimens or groups of specimens loaned in support of ongoing research that is outside the campus community at UNM. Researchers are responsible to return loans in accordance with the terms of specimen use laid out when the request for the loan is made.

A loan constitutes the total amount of specimens, data, or ancillary material sent to a researcher or institution. This metric, which is one measure of collection visibility and utility, increased slightly in 2009 indicating increased used of museum materials by outside researchers.

(3) Professional Visitors to the Collections-. This metric includes visiting scientists, seminar speakers, taxonomic professionals seeking to verify collection records or study morphological and/or molecular variability of organisms. It does not include members of the UNM Biology Department.

(4) Collection database web hits-. This metric is nearly impossible to track accurately because of wide electronic dissemination of MSB specimen and locality data. Major databases supported by the MSB are Arctos, the New Mexico Biodiversity Collections Consortium (NMBCC), and conservation databases of the New Mexico Natural Heritage Program. More broadly, MSB data are served by a number of outside entities including the Global Biodiversity Information Facility (GBIF). The wide dispersion of web hits suggests the impact of MSB specimens and records on the web will continue to increase at an exponential rate in the near term.

(5) Requests for information (RFIs) answered in person -. Natural history collections staff also perform important advisory functions as indicated by the number of requests for information. Such requests come from academic and government scientists, natural resource management agency personnel, and/or the general public. The MSB serves as a clearing house for knowledge and expertise in the natural history of the southwestern United States. In 2009, the number of RFIs increased 13%.

(6) Publications by scientists outside of the MSB -. Curatorial management does have direct impact on scholarly production through the provision of specimens and data to other researchers. In 2009, 68 publications were supported in part through materials provided by the MSB through loans and data sharing. This contribution is frequently overlooked when compiling statistics of various units, but in effect, more than doubles the scholarly contributions of the MSB as a whole. There time allocated to curatorial efforts produces scholarly contributions outside the normal reward system offered to university faculty and research staff.

(7) Publications by museum staff-. This metric includes all publications in bona fide outlets such as books, journals, compendia, and other publications. Gray literature and quasi-public reports (e.g., technical reports, agency reports – see below) are not included. There may be some overlap among divisions as curatorial staff often co-author manuscripts and these will be counted twice in overall totals. In 2009, publications in a single year reached an all-time high for the MSB.

(8) Technical reports by museum staff include reports to agencies in fulfillment of contract deliverables. Many of these reports hold primary data upon which critical management decisions are made, including endangered species status, listing decisions, biological opinions and other documents. In 2009, the number of technical reports is

down slightly (from 30 to 24), perhaps because many new grants and contracts for MSB staff do not require such reports. They may also be under-reported because such reports are not prominently featured in tenure and promotion support files.

(9) UNM courses using specimens, data, electronic archives and other resources provided by the MSB.

(10) UNM courses provided by museum staff include lecture courses taught by faculty curators and associate curators of the MSB. It also includes laboratory teaching by graduate students affiliated with the MSB.

(11) Number of graduate students mentored by MSB staff per year includes graduate students who are formally trained in curatorial practices and standards of field data collection, specimen preservation, field protocols that are consistent with institutional animal care guidelines, directly by faculty and staff of the MSB. It does not include graduate enrollment in formal courses. Graduate student participation in MSB activities is at a 5-year high (nearly doubling in 2009), which reflects the drawing power of natural history and the MSB for graduate recruitment in Biology and A&S.

(12) Number of graduate theses/dissertations is the total per year completed by graduate students mentored by MSB staff as primary advisor or co-advisor. This number fluctuates depending on overall graduate enrollments within the Biology Department.

(13) Number of undergraduate students trained in the MSB includes undergraduate students that are employed under the Federal Work-Study program or from externally funded research grants and contracts, and special education programs like Undergraduate Research Mentoring projects like UNO and UMEB. This number has nearly doubled in 2009 as a result of MSB-centered undergraduate educational programs, increased grant activity for curation and integration of orphaned collections (e.g., Fishes, Mammals, USGS), and ramping up of museum-based programs in Birds and Arthropods. A new project funded by NSF in 2010 (RCN-AIM UP!) is likely to increase opportunities for undergraduate involvement in museum activities, and expand use of museum materials in the classroom. Occasionally undergraduate students volunteer to assist with curatorial tasks.

(14) Number of grants and contracts in force includes all active grants and contracts that are available to specimen-based research and are being conducted by MSB staff. This number varies little from year to year, but overall funding has steadily increased with inclusion of new curatorial staff (Miller and Witt) and units (Division of Parasitology), along with sustained granting activity from other units.

(15) Total dollar amount of all grants and contracts in force is simply the sum value of all grants in force. Yearly expenditures are expected to be far less than totals.

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(16) Total amount of Facilities and Administration (F&A) funds from grants/contracts in force is likewise the sum of estimated F&A return to UNM. Yearly expenditures are expected to be far less than totals.

2009 – A Snapshot of Activities in the MSB

- ***Curation and integration of major federal, state, and "orphaned" university collections*** into the MSB is ongoing, resulting in the addition of roughly 140,000 specimens, data, and electronic records in 2009. Externally sponsored curation activities to integrate these collections are occurring in the Division of Fishes where two major collections representing major New Mexico waterways are being fully curated and integrated with funding from the New Mexico Department of Game and Fish and the US Fish and Wildlife Service. The Division of Mammals continued integration of University of Illinois collections in 2009 sponsored by the National Science Foundation. Integration of the USGS collections, sponsored by the USGS and the MSB, into the Divisions of Amphibians and Reptiles (100% complete), Birds (100% complete), Fishes (95% complete), and Mammals (32% complete) is nearly complete. The USGS collections are projected to be fully integrated into MSB collections by the end of calendar year 2010.

- ***MSB Travel to Washington DC*** to meet with the US Department of Agriculture and the New Mexico congressional delegation to discuss relocation of the US National Parasite Collection to the MSB. The collection is currently housed at the USDA in a completely inadequate facility to ensure long-term security of the collections. The MSB proposed to make the collection a cornerstone of an integrative research and education program in host-parasite interactions. MSB Director Turner and Curator of Mammals Cook made presentations and aided in negotiations with agencies. UNM President David Schmidly was involved directly in negotiations with USDA and Smithsonian Officials.

- ***The Department of Biology/MSB hired a part-time building management assistant*** who has significant duties in CERIA (roughly 10 hours per week). Kevin Judd, the new hire, has helped with installation of insect cases on a recently funded NSF collection improvement grant to the Division of Arthropods, and other crucial infrastructure projects in the MSB.

- ***An NSF-sponsored CAREER grant was awarded*** to Curator of Arthropods, Kelly Miller. The Faculty Early Career Development (CAREER) Program is a National Science Foundation-wide activity that offers its most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Dr. Miller's CAREER award is the third to be awarded to UNM Biology, the second to be awarded to a faculty curator in the MSB in the history of the award competition.

- ***Building Management-.*** In 2009, the MSB conducted critical repairs of second floor leak associated with flooding of the men's bathroom, and completed migration of security system from C-Cure to Lobocard with the assistance of the OVPR, the UNM Research Park, and Lobocard staff. The cost of these repairs was borne entirely by the MSB, despite the threat to the security of dry archives and other irreplaceable specimens and materials.

- ***Sponsored and participated in intra- and extramural education and outreach activities*** by routinely conducting tours for K-12 education, and a variety of UNM courses. The MSB played an important role in organizing Biology's contribution to "Darwin Day" activities in celebration of naturalist Charles Darwin's 200th birthday (coincidentally, President Abraham Lincoln's 200th birthday). MSB personnel were directly involved in organizing and planning workshops in professional societies detailed in the body of divisional reports below.

- ***Served as UNM's primary representative to the Colorado Plateau Cooperative Ecosystems Study Unit.*** This group includes federal and state partners and is designed to facilitate contracts and grants between partners. There is an important role for museums as repositories for natural history and archaeological studies on federal lands on the Colorado Plateau. A 5-year renewal of the federal charter for this group was recently signed and UNM remains a member in good standing. More information can be found on the group's web site http://www.cefns.nau.edu/Orgs/CPCESU/. The CPCESU facilitates awards, grants, and contracts to the departments of Anthropology, Architecture, Biology, Economics, the Maxwell Museum of Anthropology, and the MSB.

- ***Submitted a federal priority request for renovation of CERIA 125*** to alleviate fluid storage space shortfalls, comply with State and UNM Fire Codes, and provide for collection space for the newly created Division of Parasitology. This request was prepared in conjunction with members of the UNM Museum Council.

Major Initiatives of the MSB

At our annual retreats and at a number of MSB executive committee meetings throughout the year, we identified a number of goals, programs and key resources we will strive to accomplish over the next five years. They are:

1. Activate and grow an internationally recognized repository and research infrastructure for host-parasite interactions: In response to continued and unprecedented environmental change and the ongoing emergence and resurgence of infectious diseases, we have initiated the new Division of Parasitology in the Museum of Southwestern Biology. National and international research agendas aimed at elucidating the dynamic linkages between hosts, parasites, environmental change and human health will be pursued, leveraging existing strengths, strengthening intra-university relationships. We envision the Division of Parasitology along with other Divisions at the MSB as an international resource for systematics, taxonomy, identification, ecological and epidemiological research in parasitology and hosts and will diversify and leverage

UNM's continued leadership in these research arenas. The new Division of Parasitology represents the development of new capacity to address current and emerging challenges to science and society. As a recognized leader in collections-based research and biodiversity informatics, the MSB is uniquely positioned to bridge existing gaps between collection-based research and environmental and biomedical science: resources of the MSB have been critical for policy makers, natural resource managers, and government and business leaders because they support investigations and decisions related to human health, climate change, conservation, and land management. Moreover, the Division of Parasitology will move UNM to the leading edge of efforts to understand and combat emerging infectious diseases by facilitating efforts to assess the complex and dynamic linkages between hosts and parasites in a changing world. The Division of Parasitology was established in January 2008 with a substantial donation of specimens from the Rausch collection and ongoing research initiatives at UNM (e.g., Beringian Coevolution Project, Center for Evolutionary and Theoretical Immunology)

2. Develop and launch an MSB-centered Conservation Unit: a special role for Natural Heritage New Mexico. A second major area for growth in the MSB addresses a critical need for historical data in conservation of endangered species and ecosystems and natural resource management. We seek to develop a **Conservation Division**, which is a program charged with maximizing the visibility and utility of our extensive specimen-based databases and to enhance development of a number of initiatives at the state and federal level involved with conservation issues. There are major policy issues at stake. For example, the development of alternative energy has potentially significant impact on native plants and animals. Scoping and siting new wind and solar energy projects will depend on distributional and historical data of plants and animals. Thus, we envision the Conservation Division as a centralized, core resource that serves the UNM community at large but is based in the MSB. We will seek to obtain funding, perhaps through the UNM Foundation for a Faculty Curator and a database/collection manager for the Conservation Division.

The full-time I/T systems administrator we propose below will forge critical links between the Conservation Division and other Divisions of the MSB. One challenge is to implement and connect database systems into a seamless server for conservation and management data that will be accessible by local, state, and federal resource managers. Our plan is to leverage this full time museum-wide position through programmatic grant proposals like the proposed NSF IGERT grant.

3. Work to develop and establish integrated online database systems for all Divisions of the MSB. This will require substantial planning and collaboration among divisions and success will depend heavily on a new I/T systems administrative hire. This goal emerges naturally from the previous goal of establishing a formal informatics program in the MSB.

4. Further develop and support our undergraduate training program afforded by NSF-funded UnO - Undergraduate Research Mentoring Program. Our progress so far has been excellent, 17 undergraduate students are currently paired with faculty mentors and attending special seminars designed to help them succeed and

graduate. Fifteen students from the first and second cohorts have now graduated and are either enrolled in graduate school or are graduate-school bound, serving in the Peace Corps, or are natural resource management professionals. Details about students, research projects, and faculty mentors can be found at http://msb.unm.edu/UnO/education.html.

5. Refine, further develop, and resubmit a museum-centered interdisciplinary graduate training program through development of an NSF-IGERT proposal: In 2009, we assembled a team of faculty researchers across campus who are interested in developing a museum-centered graduate training proposal aimed at documenting and understanding how abiotic and biotic systems change from molecular to ecosystem scales. There are three major underlying research areas: (i) identifying and understanding relationships of environmental change and host-pathogen interactions focusing both on human and wildlife diseases (ii) using museum collections to uncover evolutionary and ecological change in biota that results from landscape and water use and global climate change in the American Southwest over decadal time scales and (iii) developing informatics and modeling approaches to both create and use integrated relational databases that link specimens, environmental, molecular and geographic information.

We are continuing to develop and hone our MSB-IGERT program so that it will prepare students to meet substantial environmental challenges and for the job market by providing a strong grounding in their respective disciplines but also by providing a culture and infrastructure to allow them to tackle environmental and biotic changes in novel, integrative, and multidisciplinary ways. Most importantly, through our program, students will be equipped to bring time series data to bear on evaluating and predicting responses to environmental change over decadal time scales. Use of natural history collection specimens, data and materials will undoubtedly motivate new uses and ways of integrating databases in a reciprocally illuminating process that is likely to spark renewed interest in resources available in natural history collections.

6. Continue working to revitalize the museum studies program at UNM through MSB collaborations with other UNM Museums (e.g., Maxwell, Meteorite, and UNM Art Museums). The College of Arts & Sciences has recently hired a new director in the UNM Maxwell museum who is charged with revitalizing the Museum Studies program at UNM. The College has contributed significant resources including a new faculty position in addition to the new Director to coordinate this effort.

Major Challenges to Growth and Development of the MSB

We face a number of challenges to implementation of our goals that mainly revolve around a general lack of resources for staffing and operational budgets. We address the following challenges below, and propose some solutions:

1. We Lack Critical Information Technology Support: The MSB is sorely lacking information technology support, and it is our top priority to staff an IT Technologist/Systems Administrator position to help develop, grow, and maintain our

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overtaxed cyber-infrastructure (Over 300,000 web hits and data downloads in 2009). At present, our database management plan is ***reactive*** rather than ***proactive***; we deal with problems involving data security, data backup/management, systems maintenance, IT innovation, trouble shooting viruses/worms, purchasing hardware and software in highly piecemeal fashion using private contractors that vary tremendously in quality and service.

IT/Systems Administrator rationale and proposed solution: So much of the potential and promise for development of the MSB relies on enhancing our visibility and accessibility through electronic media such as the world-wide-web. We have enormous potential to provide integrated databases that could serve as tools to address questions of great societal import regarding emergence of pathogens and natural resource abundance and distribution. Our progress in this area has been seriously hampered by lack of personnel in computer systems administration. At minimum, we will seek to hire one full-time IT/ Systems Administrator to manage and implement database and server systems. Our plan is to leverage this position through programmatic grant proposals like the proposed NSF IGERT grant, and UNM legislative priorities like relocation and integration of the US National Parasite collection.

2. Critical Limitations on Fluid Collection Space: Since the 2003 occupation of the renovated old UNM bookstore by the Museum of Southwestern Biology (MSB), all of the MSB divisions have acquired additional collections not originally factored into the estimated growth figures of 1998-99 when designing collection storage space for the Museum. Especially for invertebrates and vertebrates there have been unanticipated acquisitions of specimens. Important additions to the MSB collections include a large backlog of ethanol-preserved New Mexico insect collections taken from pitfall sampling and an increasing number of collections from South America and Africa since the hire of the Curator of Arthropods. There is also the Rausch Collections of Parasites that form the core of the Division of Parasitology. All of these collections increase the importance of the MSB as a regional, national, and international resource for scientific research in ecology, systematics, molecular systematics, population studies, and emerging disease research. Currently, there are rooms/areas within the Museum facility that have been identified as potential collections space for the Museum. These areas, if minimally renovated, would make a big difference in specimen access and if important collections could be accepted (or not) by the MSB. ***The UNM Fire Marshal has mandated new collection space for fluid-preserved materials in the MSB, which makes this a health and safety issue. We are currently in negotiations with the New Mexico State Fire Marshal to implement renovation of space.***

Proposed Solution: CERIA 125 conversion from classroom space to fluid collection space: To alleviate shortfalls of fluid collections space, we propose a two phase plan. For **Phase I**, we propose that Room 125, a classroom on the lower level of CERIA Building 83, be used as a temporary storage area for select collections currently housed in the main fluid collection room, Room 145. These select collections include: large containers holding large specimens of fishes, reptiles, and mammals that are blocking the exit pathways, 165 boxes of a newly acquired collection of fishes from the New Mexico Department of Game and Fish in the main hallway of lower floor of CERIA Building 83,

and jars of specimens that must be removed from select mobile carriages so that these units can be retrofitted for pull out tank shelves. Once these collections are stored in Room 125, the reconstruction of Room 145 can begin. This phase will add 45 roll out shelves, manufactured to hold stainless steel tanks ("coffins") for large specimens of vertebrates, to the lowest shelf spaces on 3 of the mobile carriages currently holding collections specimens in jars. A stationary unit of roll out shelves and linear shelving will also be built along the south wall in the back of Room 145. **Phase II** construction will involve the complete reconstruction of Room 125 to accommodate fluid-preserved specimens. This reconstruction will involve bringing the room up to code for storage of specimens in 70% ethanol. The room is already equipped with an emergency sprinkler system. With other infrastructure in place, the renovation of the floor, walls, and HVAC system can be done in a cost effective manner.

3. Operating Budgets for Collection Care/Improvement: The operational budget for the Museum of Southwestern Biology is $48,000 for collections care, curation of new material, databasing, etc. This money is allocated to divisions at the beginning of the state fiscal year. There is considerable disparity among divisions in operating funds. Among the best supported divisions are Mammals, the Herbarium, Fishes, and Amphibians and Reptiles. Budget increases in these divisions have usually been negotiated as part of grant proposal packages that have a large curatorial component. The divisions of Arthroprods and Birds are inadequately supported with operating budgets that are $2000 and $3000, respectively, for the entire year (not including a 1% university-imposed tax to support computerization of contract and grant accounting, etc.). Both divisions are headed up by new, highly motivated curators who are preparing research grants, and we plan to request budget increases commensurate with scholarly and curatorial activity in these divisions as a part of grant proposal packages. In general, total allocations to the MSB have remained static and have not kept pace with inflation over the last five years despite rising costs of curation, shipping, and electronic infrastructure and maintenance and additional regulatory requirements from federal, state, and UNM agencies.

4. Uncompensated Duties for MSB Faculty Curators – In December 2007, the entire faculty of the Biology Department ratified a document entitled "Codifying Responsibilities for MSB Curators" which lays out the expectations and duties of faculty curators in the MSB. In 2010, UNM Regents approved policy 6410. These actions constitute important recognition that curators have duties that exceed the normal responsibilities of UNM Biology Department Faculty members. MSB Director Turner has meet with the chairman of Biology and the Dean of Arts and Sciences to consider reallocation of duties and summer compensation to rectify this situation. The codification of curator duties document also requires that each faculty curator meet the general expectations of the MSB laid out there and in UNM Policy 6410. Curators are tobe assessed each year by the Director in a letter to the Biology Department Chair that indicates whether faculty curators meet these standards. ***We propose that faculty curators receive summer compensation of 1/9 the total value of their nine-month contracts in summer to acknowledge and support curatorial development and duties.***

APPENDIX I

SEVILLETA LTER ANNUAL REPORT, 2009–10

RESEARCH ACTIVITIES

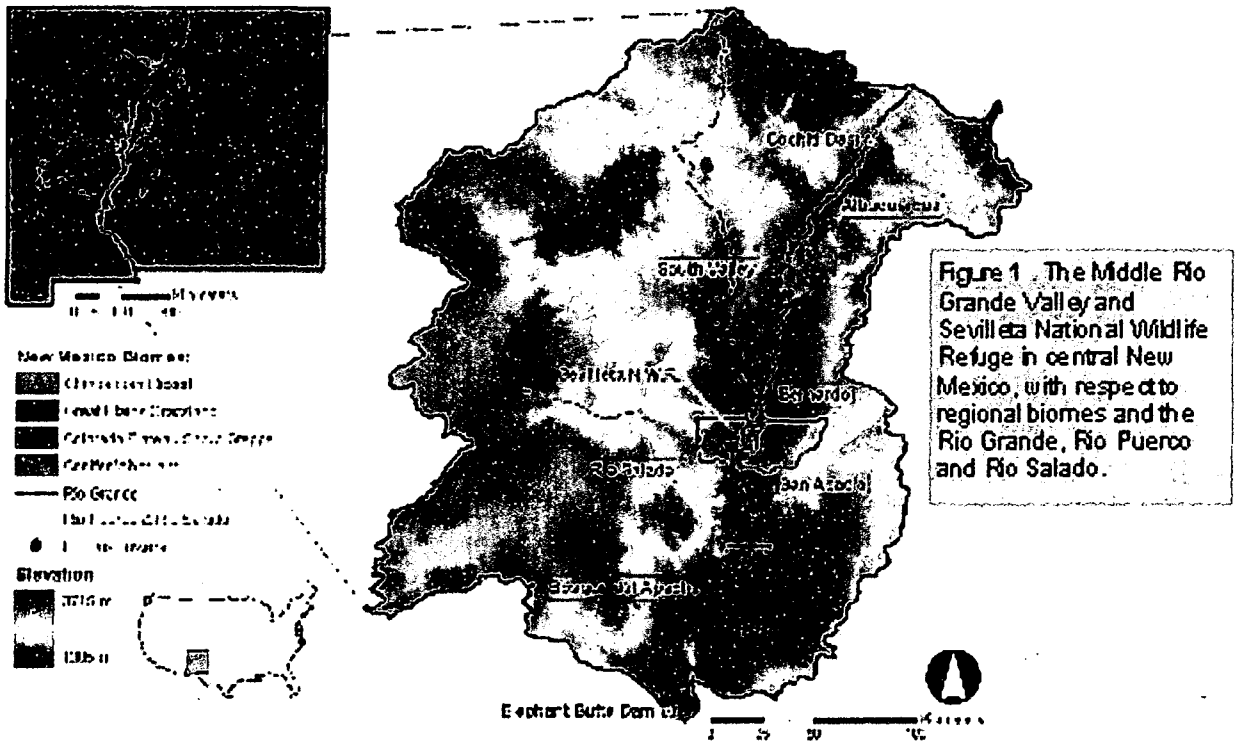


Figure 1. The Middle Rio Grande Valley and Sevilleta National Wildlife Refuge in central New Mexico, with respect to regional biomes and the Rio Grande, Rio Puerco and Rio Salado.

The Sevilleta LTER Program addresses ecological concepts and theory through a comprehensive and interdisciplinary research program in desert grassland, shrubland, forest and riparian habitats in central New Mexico. Our focal sites are the 100,000-ha Sevilleta National Wildlife Refuge (SNWR) located about 80 kilometers south of Albuquerque (managed by the US Department of the Interior, Fish and Wildlife Service) and the Middle Rio Grande (MRG) bosque between Cochiti Dam and Elephant Butte Reservoir (Fig 1). Since its inception in 1988, the Sevilleta LTER program has conducted research at multiple ecological levels and a variety of spatial and temporal scales. Our studies are linked by an overarching theme that considers **how abiotic drivers and constraints affect dynamics and stability in aridland populations, communities and ecosystems.**

The Sevilleta LTER Program is a long-term, comprehensive, integrated, interdisciplinary research program addressing key hypotheses on pattern and process in aridland ecosystems. Our LTER research in central New Mexico is concentrated on studies in desert grassland and shrubland communities and piñon-juniper and riparian ('bosque') woodlands emphasizing transitions in space and time. Each landscape component is governed by key abiotic and biotic drivers, especially climate variability, fire, hydrologic variability, nutrient dynamics, and herbivory. The rates and intensities of these drivers are changing over time. Given the emerging research interest in ecohydrology of aridlands, our focus on the effects of biotic and abiotic drivers on spatial and temporal dynamics of these aridland ecosystems allows us to conduct long-term research that addresses important basic ecological questions and yet has significant relevance to state, regional, national, and international priorities.

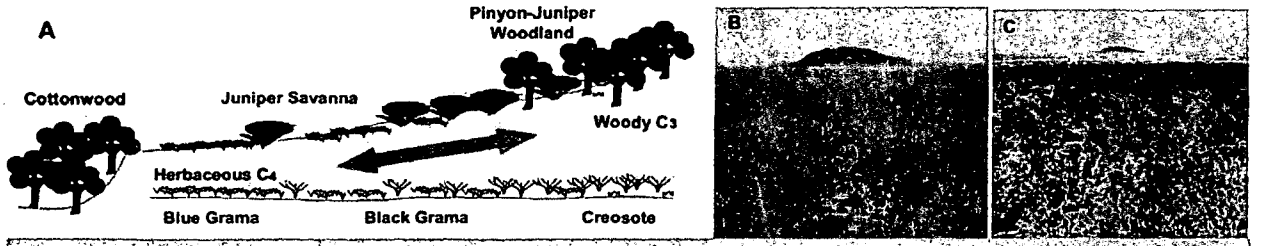


Figure 2. A) Schematic diagram of upland transitions at the Sevilleta National Wildlife Refuge. B) Black and blue grama grassland at Deep Well. C) Creosote dominates 4 km south.

The Sevilleta LTER site and its surroundings are positioned at the intersection of several major biotic zones: Chihuahuan Desert grassland and shrubland to the south, Great Plains grassland to the north and east, piñon-juniper woodland at upper elevations in the mountains, Colorado Plateau shrub-steppe to the north and west, and riparian vegetation along the middle Rio Grande Valley (Figs 1 and 2). Because of the confluence of these major biotic zones, the SNWR and the Middle Rio Grande Basin present an ideal setting to investigate how environmental change and climate variability interact to affect ecosystem dynamics at the boundaries of major biomes in southwestern North America. Moreover, the rapid growth and southern expansion of the City of Albuquerque and its suburbs increasingly will have an impact on ecosystem processes throughout the Middle Rio Grande Basin, including the SNWR, and these urban forces will interact with climatic variation to catalyze change in this aridland region.

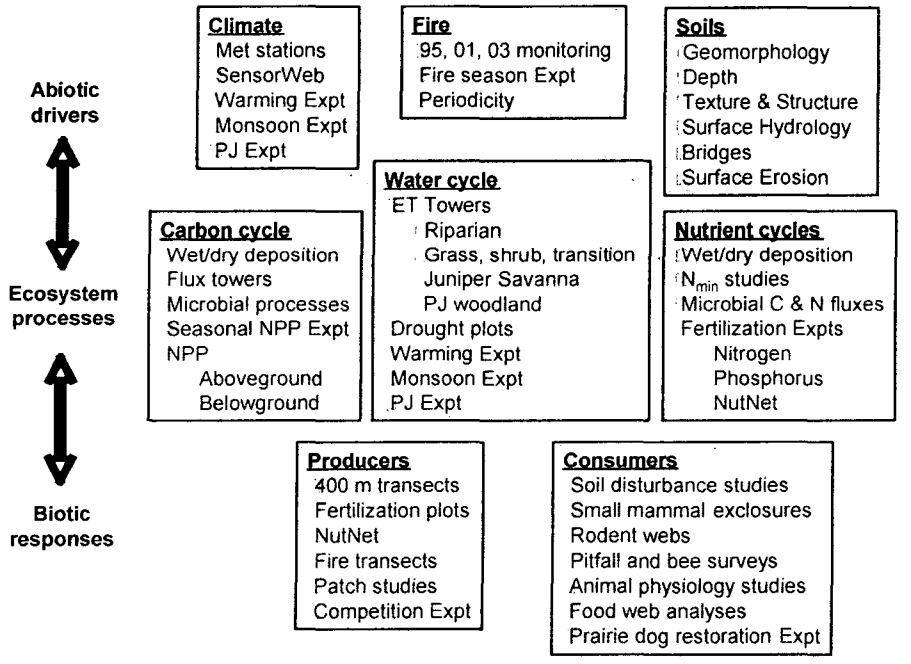


Figure 3. Current (GREEN) and **Planned** (BLUE) activities of the Sevilleta LTER Program, with a major focus on climate and water cycle interactions

This is the second annual report from our fourth funding cycle. LTER IV (2006-2012) builds on our prior research on patch and boundary dynamics by placing a greater emphasis on interactions among key processes and drivers of change in aridland ecosystems, in particular nitrogen (N) availability and climate dynamics. This new emphasis greatly expands the spatial and temporal scales and conceptual bases of our LTER program. Our new organizing framework is designed to integrate the

components of our research program and allow us to test important hypotheses of general ecological interest.

More specifically, Sevilleta research is designed to understand the individual and interactive effects of three key system components: abiotic pulses and constraints, ecosystem processes, and biotic responses and feedbacks (Fig 3). The main abiotic *pulses* and *constraints* are (1) seasonal, annual, and decadal variations in climate, (2) geomorphology, soil texture, structure and depth, and surface and riparian hydrology, and (3) season, periodicity, and intensity of fire. These abiotic factors affect *dynamics* of biogeochemical pools and cycles; water input, storage, use and loss; and patterns and controls on primary production. Biotic responses to the coupling of these abiotic factors and ecosystem processes include *dynamics* and *stability* in the distribution, abundance, and diversity of plant and animal populations and communities. Given the fundamental relationship between primary production and community structure in ecological communities, one of our core LTER activities is to link climate dynamics, disturbances, and soil structure with soil nutrient and water fluxes to better understand seasonal and annual variability in NPP and how that variability ultimately affects the dynamics, distribution and abundance of key aridland producers and consumers.

To accomplish these goals, the Sevilleta LTER program is organized into five overlapping thematic areas with designated group leaders: Climate and Abiotic Drivers (Cliff Dahm), Water Fluxes (Will Pockman), Soils and Biogeochemistry (Bob Sinsabaugh), Producer Dynamics (Esteban Muldavin), and Consumer Dynamics (Blair Wolf). These thematic areas are not mutually exclusive, but they serve as an effective mechanism to organize and synthesize our research. New and continuing research includes a variety of activities in each sub-area (Fig 3).

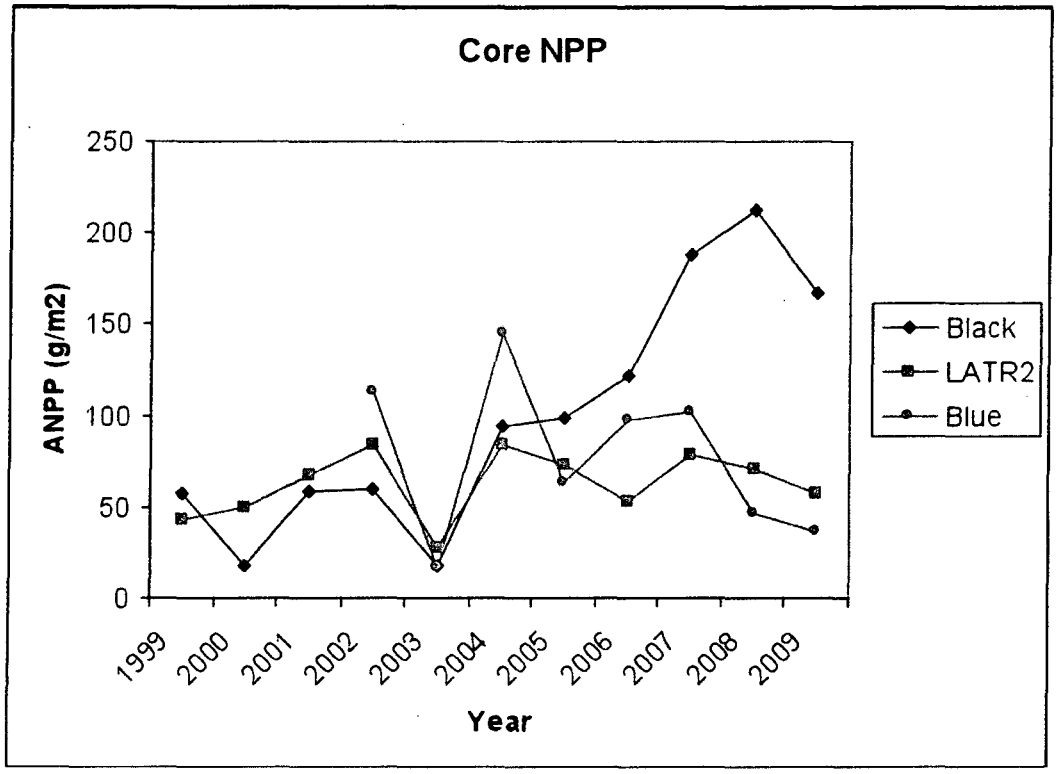
In 2009-2010 we continued all but two long-term data collection efforts described in our renewal proposal (LTER IV) and in the 2008-2009 annual report. These projects were discontinued because they were either destroyed by the 2009 ESA Wildfire that occurred on 4-5 August (small mammal exclosure study or SMES), or they were made redundant as a consequence of the wildfire (vegetation transects across the 1995 fire boundary near Deep Well). Therefore we are now able to focus some field crew time on one of our new emphases, the greatly expanded effort to restore Gunnison's prairie dogs at the Sevilleta as described later in this section (see also ANPP section below).

Above-ground Net Primary Production (ANPP). Sevilleta LTER has now been non-destructively sampling ANPP on replicated 1-meter quadrats at two core vegetation sites since 1999 (12 years). A third site dominated by blue grama was added in 2002. Four additional sites with mixtures of these core vegetation types were established in 2004 following a large prescribed burn in 2003. The lightning-caused fire on McKenzie Flats in August of 2009 resulted in the burning of a significant number of the original ANPP sites. Quadrats burned by the fire were not sampled in fall of 2009 because no growth was evident. An examination of the unburned plots variability indicated that a reduced number of quadrats were still sufficient to quantify ANPP for a given area, and the burned quadrats were not replaced.

Figure 4 shows the time series of ANPP for the 11 years of quadrat sampling from the core black grama and creosote bush sites on Mckenzie Flats as well as the more recently established core

blue grama site. Note that the black grama site has had a surge in production since 2006, and we are currently exploring the underlying causal mechanisms.

Figure 4. Patterns of aboveground net primary production (ANPP) since 1999 in black grama grassland, cresosote shrubland (LATR2) and blue grama grassland.



Following the 2003 prescribed fire, additional ANPP sites were established to study ANPP response, and some of these were disrupted by 2009 fire. At the core black grama control site, 18 of 40 ANPP quadrats were burned in 2009. We have added 8 new unburned permanent plots to this core area for ANPP sampling. Unfortunately the mixed blue/black grama control site established in 2003 was completely burned in 2009, so we shifted this control two km south to a comparable unburned area. And based on a variance analysis, the number of quadrats was reduced to 30 at this site. The mixed shrub plots at the transition between creosotebush and grassland were not affected by the 2009 burn. Because this is a very spatially diverse area no reduction in sampling intensity was considered and we continue to monitor ANPP in 40 permanent quadrats.

Pinyon Juniper Net Primary Production Study. We are now completed seven full years of sampling of aboveground herbaceous net primary production measurements stratified by slope positions of ridge, north, and south-facing, and valley bottom. The ridge and south-facing slopes tend show more production than north-facing slopes (Fig 5). This attributed to the more open tree canopies in ride and south-facing positions that allow for increased grass production. Whereas north-facing slopes are more shaded and with a different suite of species, particularly among forbs. Overall, production on all slopes is low when compared to the valley bottoms (12.8 g/m^2 versus 85 g/m^2) where grass cover can exceed 90% and trees are few and scattered.

We have initiated tree production studies including allometric tree and bole increment measurements that will allow us to compute needle and wood production based on diameter and height measurements along with actual branch stem leader growth (pinon). We have now installed dendrochromneter bands on over 70 trees and plan to add another 30 more along with litter sampling to capture long term trends in production of needles.

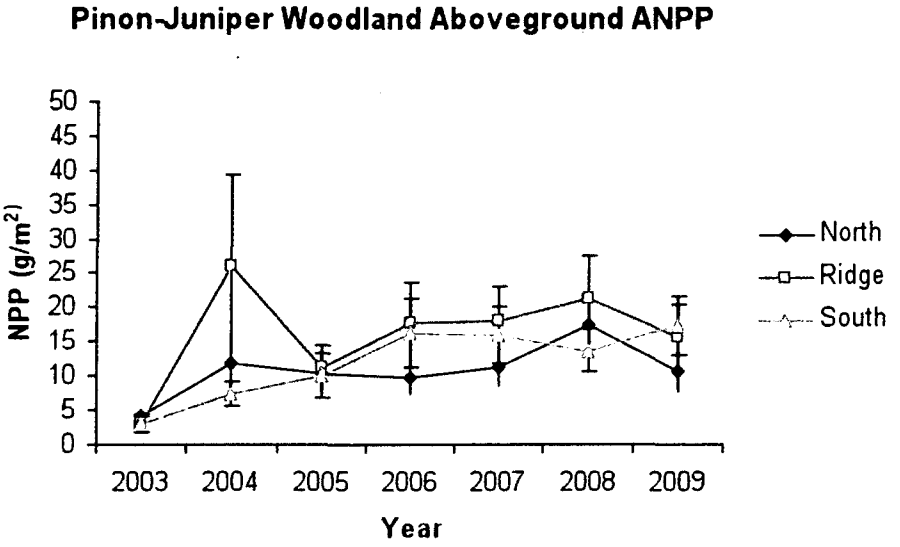


Figure 5. Herbaceous aboveground net primary production by year in piñon-juniper woodlands, stratified by slope position.

Desert Grassland and Shrubland Fire Studies (Burn X and NPP). We have now completed six years of post fire measurements on McKenzie Flats following an experimental burn conducted in 2003 (Fig 6). We used a random blocks design that was previously installed for a 1993 experimental burn (Antelope Exclosure Experiment). This allowed us to not only evaluate fire effects of the 2003 fire but also detect legacy effects of the 1993 fire. Results indicate that black grama (*Bouteloua eriopoda*), the dominant grass, had significant mortality possibly a result of conducting the fire under drought conditions. While standing biomass is approaching pre-fire conditions, recovery of black grama has been at slower pace than expected. Mortality among the Creosote bush (*Larrea tridentata*), the dominant shrub, was less than 10% with most individuals

2003 **2008**

Figure 6. Example of regrowth of desert grasslands following the experimental burn of 2003.

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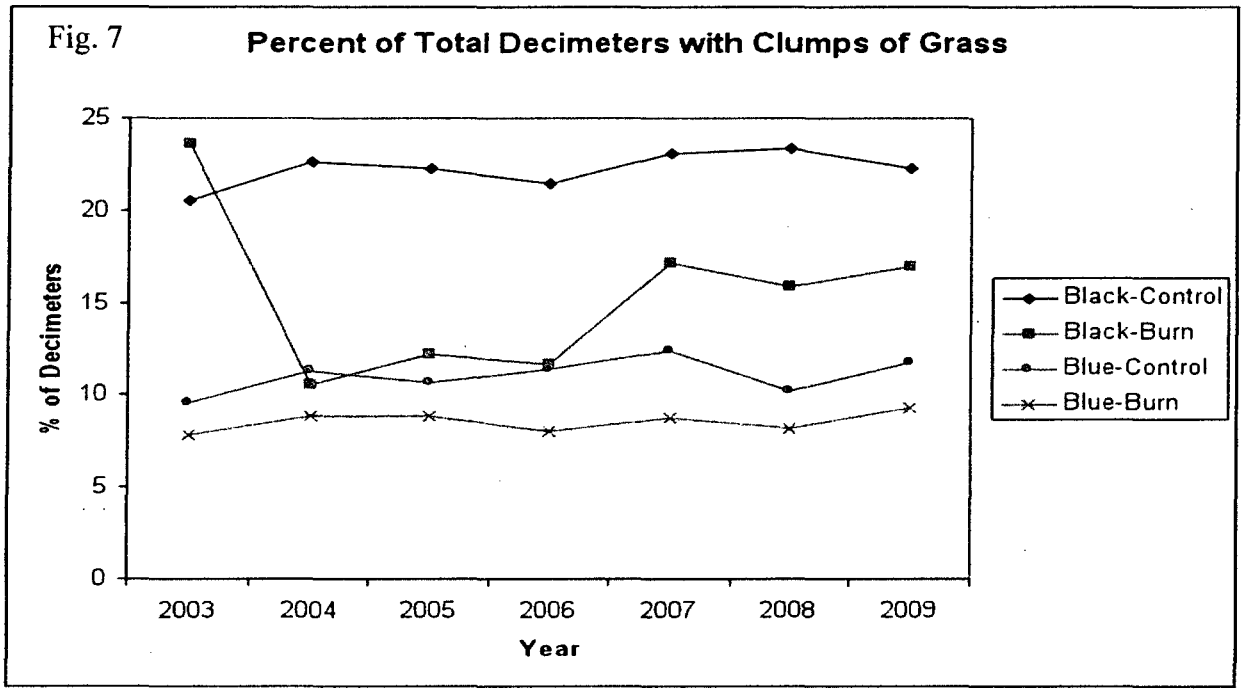
re-sprouting from root crowns.

There has now been 7 years since the 2003 prescribed burn. Starting in 2004 the BurnX plots have been sampled for 1) species coverage and composition in the spring and fall, 2) grass recovery through time using annual measure of grass species, and 3) fuel load change through time.

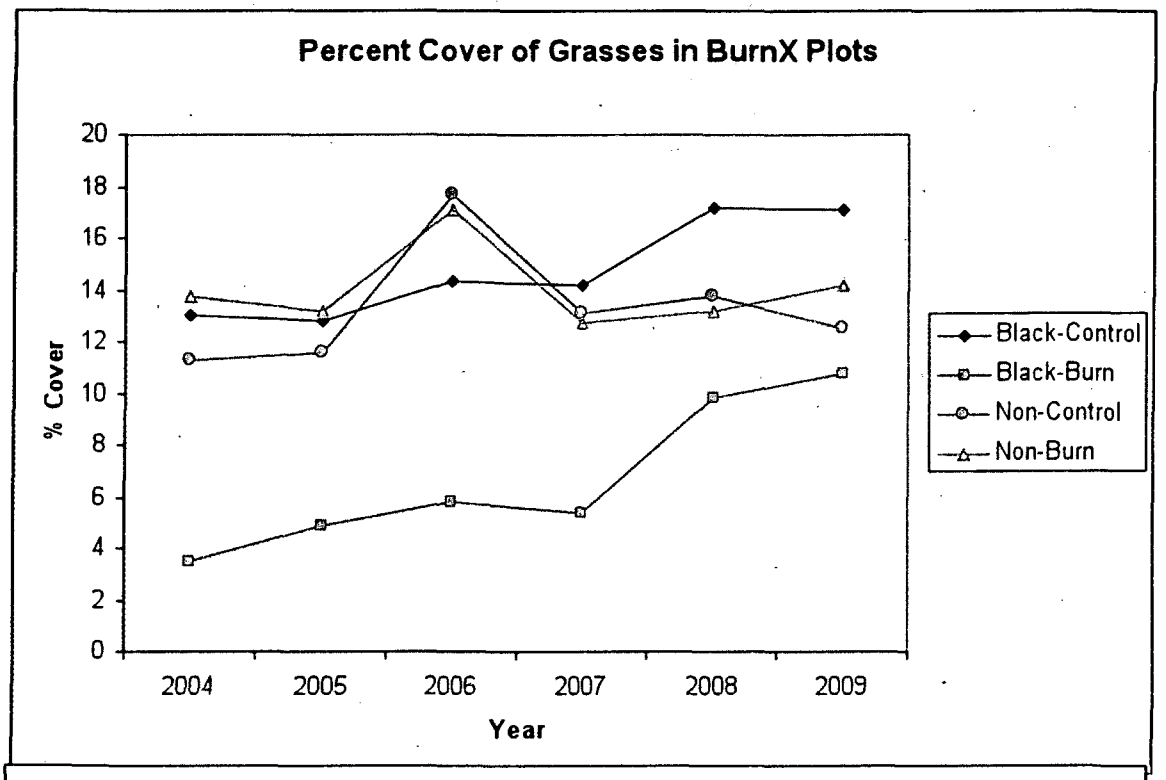
Black grama was significantly impacted by the 2003 fire, and annual repeated measures of grass recovery indicate that it has regained about 50% of it abundance based on occupancy of square decimeters in a 3x3 decimeter sampling grid. (Fig 7). The other dominant grass, blue grama, showed no significant reduction in density as a result of the fire (this was the case for all of the other associated grasses as well).

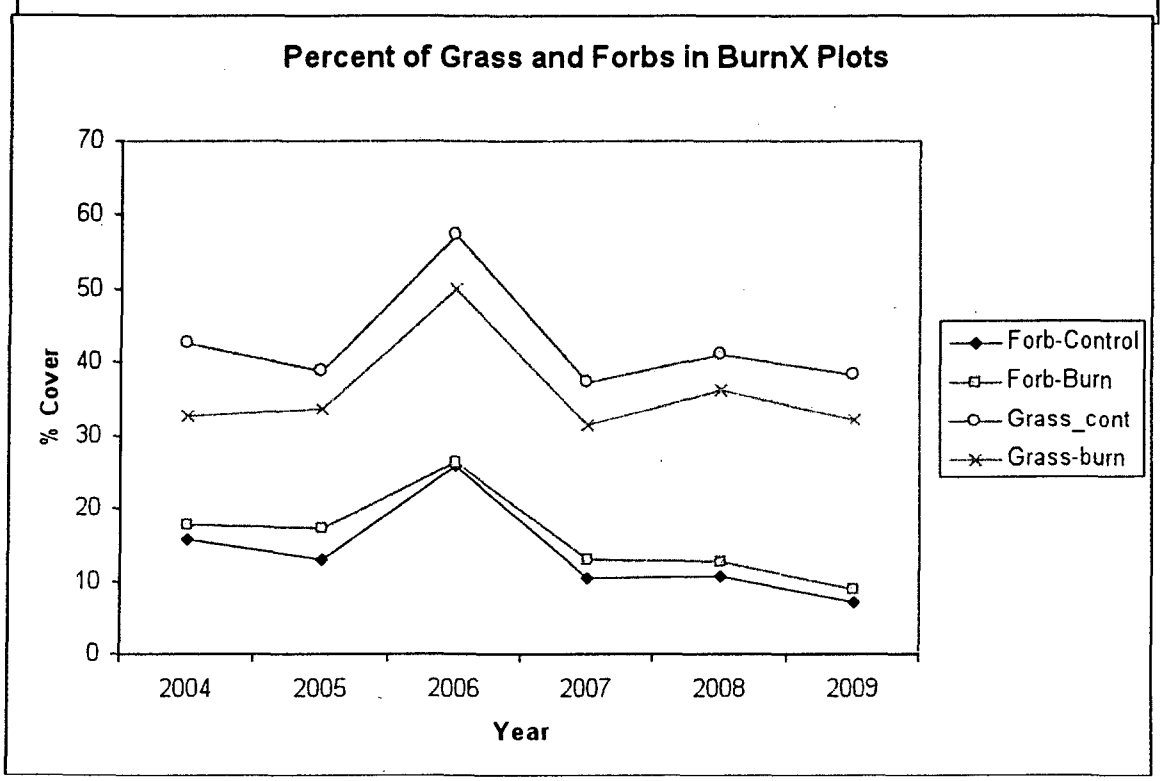
Fig. 7 **Percent of Total Decimeters with Clumps of Grass**



Annual spring and fall measurement of species cover using ¼ m^2 quadrats on the BurnX plots have also been measured since 2004. These also show the slow recovery of black grama following the fire while the total cover of the other grasses was actually higher in the burn area than in the unburned area. Figure 8 shows the annual trends of the grasses and the forbs following the fire.

Figure 8. Percent cover of dominant grasses (A) and all grasses and forbs following the 2003 management burn at the Sevilleta.





Other continuing research activities include (1) meteorological monitoring at our seven comprehensive met stations across the Sevilleta, (2) measurment of Belowground NPP at 4 locations, and long-term vegetation and small mammal dynamics, (3) measurements in our multiple factor global change experiment that manipulates nighttime temperature, N-deposition, and winter rainfall frequency, (4) measurements in our summer monsoon rainfall manipulation experiment, (5) measurements in our rainfall manipulation experiment in piñon-juniper woodlands, (6) use of stable isotopes to understand food web dynamics, with specific focus on grasshoppers and box turtles, (7) monitoring of CO2 and H2O fluxes in riparian, grassland, shrubland, grass-shrub transition zone, piñon-juniper woodland, juniper savanna and mixed conifer forest, and (8) NutNet plots and seasonal fire experiment. Also in 2009-2010, a number of Sevilleta LTER graduate students and REU students have conducted important short-term measurements and experiments on climate, biogeochemistry and soils, water and nutrient cycling, producer, and consumer communities. Highlights of results from a subset of these activities are provided in "Findings."

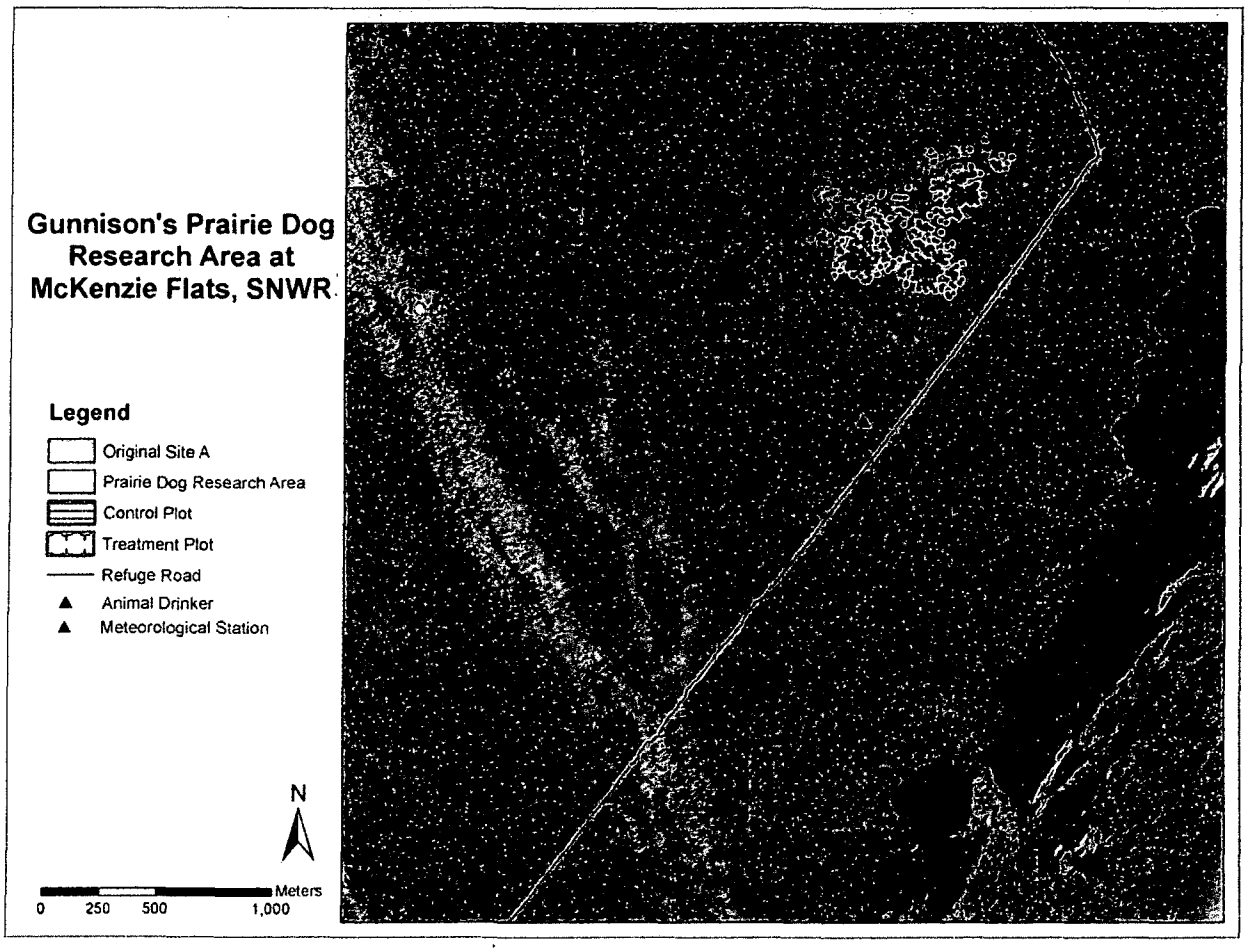
Meteorological Network. The Sevilleta now has 22 years of meteorological data from as many as 10 stations across the Sevilleta. This past year saw refurbishing and replacement of certain sensors acquired through a supplemental grant. Acquisition of a number of tipping bucket rain gauges fitted with HOBO dataloggers allowed establishment of seven more precipitation-measuring systems across the refuge. This allows better measurement of the spatially and temporally variable precipitation common on the Sevilleta, particularly during the monsoon portion of the year. In addition, Natural Resources Conservation Service (NRCS) installed a Soil Climate Analysis Network (SCAN) station adjacent to one of our existing met stations in the spring of 2010. While this station duplicates several of the standard meteorological variables, it will provide a more complete set of temperature and soil moisture readings than we have at any of other met stations.

Nutrient Input Quantification. As with the meteorological network, the nutrient input collection system continues after 22 years in place. In 2009, it was decided to reduce the size of the collection funnel from 10 ½" in diameter to 7 5/8". This was primarily a cost cutting measure as costs of funnels have risen drastically over recent years. However, it does have the added advantage that it reduces the chances that the collection bottles will overflow with large storms during the summer.

Prairie dog colony restoration experiment. During a workshop at the Sevilleta Field Station in February 2010, interested scientists and Sevilleta Fish and Wildlife Service (USFWS) employees agreed to combine the prairie dog restoration effort with studying plague, predator, and climate interactions following restoration of prairie dog populations at the SEV. In addition to the restoration effort at the SEV, another site at Vermejo Ranch in Northeastern New Mexico will serve as a replicate where bison co-occur with prairie dogs. The experimental design for this expansion study is a paired plot design with four control plots and four treatment plots where prairie dogs will be released. The plots are 16 hectares and are separated by at least 250 m (Fig 9). At Vermejo Ranch, one treatment and one control plot will be established. The Sevilleta LTER hosted a workshop to develop a research plan as well as determine funding options. Initial questions from this workshop include: 1) What is the reservoir for plague populations? 2) Where does the reservoir go when it is not present in the community? 3) What is the size of the reservoir

when it is present in the community? 4) How do prairie dogs become infected over time? 5) What are the optimal climatic conditions (temperature and precipitation) for large plague and flea populations? 6) What are the temporal patterns of climate? 7) How do these climatic patterns relate to consumer population sizes? 8) How do consumer population sizes relate to plague and flea population sizes? The scientists leading this expanded study are Mike Antolin from CSU who specializes in plague dynamics, Gary Roemer from NMSU whose research focuses on consumer populations, and Ana Davidson from UNM who is an expert regarding prairie dog research. They will serve as principal investigators on an Emerging Infectious Diseases (EID) grant proposal to be submitted in December 2010.

Establishment of new study plots. Mike Friggens and Terri Koontz (SEV LTER), and Jon Erz (SEV FWS) established four of eight study plots along the base of the Los Pinos Mountains in winter/spring 2010. Prior to the construction of the artificial burrows, the area was surveyed to verify that the landscape was proper habitat for a successful prairie dog restoration. Terri Koontz with the assistance of two volunteers pounded rebar and placed marked pvc for 81 vegetation points in a 9 x 9 grid in each restoration and control plot. Jon Erz led the USFWS team in the construction of the artificial burrows. Seventy-two burrows in a bull's eye pattern were located in each plot. This pattern is intended to facilitate prairie dogs to move to the center of plots rather than expanding into adjacent control plots. All four treatment plots now have artificial burrows (Fig 10) and are ready to receive prairie dogs. In summer 2010, approximately 300



Gunnison's prairie dogs were introduced into a subset of the treatment plots. These populations were surveyed and monitored during summer 2010 by SEV Staff, graduate students and summer REU students. A single release consisted of a maximum of 100 prairie dogs per relocation effort. Sex, weight, origin and social dynamics of each prairie dog were determined prior to release. Additionally, prairie dogs were ear tagged and blood samples were taken. In addition, this past spring we determined where active prairie dog mounds are located on the original treatment plots established in 2005.

The protocol for vegetation measurements for the existing and the expanded study can be found at the following web address:

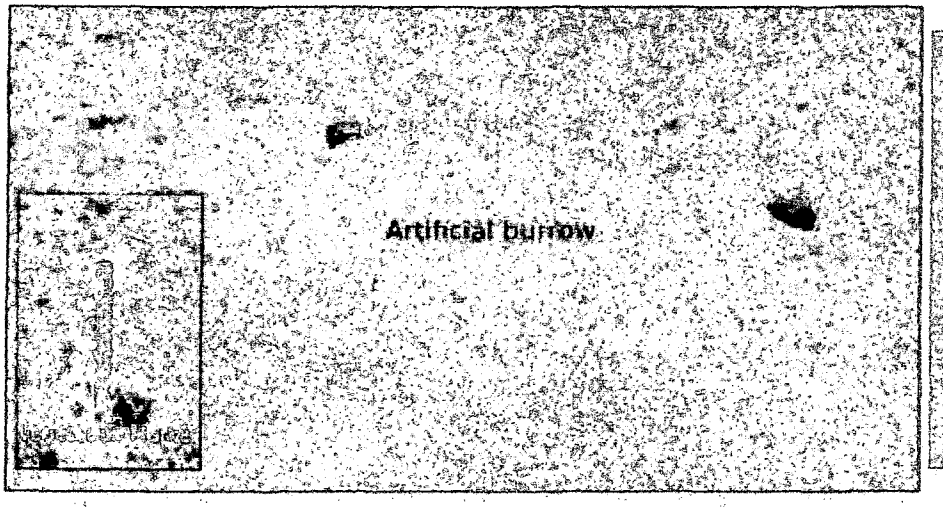


Figure 9 (above) and 10 (left). GIS maps of the study design showing the layout of the new colonies and control plots. The shaded area is the original prairie dog introduction in 2005 and black dots are existing mounds. Photo showing an artificial burrow used for introducing individuals or family units, and a vegetation plot marker (inset).

http://tierra.unm.edu/wikis/im/index.php/Prairie_Dog_Reintroduction_Study

Wildfire update. As reported in our 2009 annual report, a large wildfire occurred at the Sevilleta on 4-5 August. This fire was caused by multiple dry lightening strikes, and aided by 48.3 kph winds and 38°C temperatures, which combined to create a wildfire that burned nearly 3200 ha of desert grassland at the Sevilleta. This fire burned through several of our major climate change experiments including our monsoon rainfall manipulation experiment (MRME), annual drought and rainfall augmentation plots, and our nighttime warming, winter rain, N deposition experiment ("warming"), as well as our grassland flux tower site, our grassland small mammal exclosure study (SMES), and our NutNet plots. Most of the fire damage was confined to shelter infrastructure at warming and nearly all cables to soil moisture, temperature and CO_2 probes were burned. Various pieces of small equipment (radios, cables, batteries, boxes) were destroyed at most sites. A 20 passive rainout shelters were destroyed along with a water tank.

The nighttime warming experiment is functioning again. Warming shelters were completely reengineered to improve reliability. Soil moisture sensors have been purchased, but we await soil temperature, air temperature, and CO2 sensors. Nevertheless, all treatments are being imposed again. MRME has been completely rebuilt, sensors installed and all data are being recorded and transmitted via our wireless cloud. A new flux tower was installed in unburned grassland across the road from the burned area so we can monitor grassland NEE during postfire succession. This tower was relocated from an alfalfa field south of the Sevilleta. Soil moister and CO2 sensors still need to be installed at some tower sites. Passive rainout shelters were rebuilt over the winter

and that experiment has gone swimmingly this summer. Infrastructure repairs and replacement parts for warming, drought, MRME and flux towers, plus labor costs will be covered by UNM insurance. We recently learned that the State of New Mexico would issue an insurance claim check for $120,540.36. These funds will be used to purchase and re-instrument experiments and pay for labor costs. Postfire recovery of nutrient availability, vegetation composition, ANPP, and consumer population dynamics occurred in 2010 as part of our normal LTER sampling protocols. In addition on 26 August 2009, we submitted a RAPID proposal requesting $150,055 to address some key hypotheses based on pre-fire background data related to fire effects on (1) plant-microbial coupling, (2) carbon fluxes during postfire succession, and (3) seasonal and interannual dynamics of consumer-ANPP linkages. As of 23 August 2010 the money had not hit campus, but the proposal was recommended for funding.

PUBLICATIONS AND GRANTS

In calendar year 2010, Sevilleta LTER scientists have published one book chapter and 18 peer reviewed journal articles thus far with 12 manuscripts currently in press and several more manuscripts in review. In addition, Sevilleta scientists were actively involved in the Ecotrends project and are co-authors on numerous chapters, as well as the book itself.

The following grants were awarded in 2010:

2010 RAPID: Ecosystem reconstruction under climate change conditions following fire. NSF - $150,055. (6/1/10-12/31/11). PI: Scott Collins, CoPIs: Marcy Litvak, Will Pockman, Bob Sinsabaugh, Blair Wolf.

2010 ULTRA-Ex: Collaborative research: Land and Water Use Decision-Making and Ecosystem Services along a Southwestern Socio-Ecological Gradient. NSF - $120,000. (9/1/10-8/31/12). PI: Scott Collins, CoPIs: Kristine Grimsrud, Cliff Dahm and Kristin Vanderbilt.

2010 Student research and teaching improvements at the Sevilleta Field Station. NSF - $95,290. (10/1/09-9/30/10). PI: Don Natvig, CoPI: Scott Collins.

2010 Assessing the role of bark beetle activity in drought induced mortality of pinon pine. LANL/DoE - $185,939. (9/1/10-8/30/13). PI: Will Pockman.

INFORMATION MANAGEMENT

Information Management. The Sevilleta has long sought a relational database system for capturing, managing and accessing metadata that will also produce EML. A solution, proposed by Inigo San Gil and Marshall White of LNO, is to use the Drupal content management system to create a website with an integrated EML editor. In 2010, Sevilleta IM Vanderbilt collaborated with Inigo and Marshall to make such a website a reality. Migrating the "old" Sevilleta website in to Drupal has been a complex process and is ongoing.

The big advance on this project in 2010 was parsing all Sevilleta EML into the MySQL backend of Drupal. Now that the metadata are in a relational database, they can be exposed in many different ways via Drupal "views", a query interface into MySQL. One view writes metadata out in a human-readable form, for instance, while another view allows users to search for Sevilleta datasets by owner, keyword, or LTER research theme.

The Drupal website represents a big step toward Sevilleta's goal of having an information management framework where all data products are integrated. The website is also the site's metadata management system, and views have been created for entering new metadata, updating existing metadata, and downloading metadata as well as data files. Drupal preserves all versions of the metadata, another desirable feature, and supports the use of defined sets of keywords to link content. Sevilleta will adopt the LTER controlled vocabulary defined by the IM committee to improve discoverability of Sevilleta data on the site website and also across sites via the NIS.

Outreach. IM Vanderbilt served as the chair of the ILTER Information Management committee and is presently the acting co-chair of the LTER International Committee. She is also a member of NISAC.

SEV received funds from an international supplement to the SEV grant to support information managers and LTER graduate students to participate in a workshop in Malaysia. The workshop focused on using EML-oriented tools to analyze data collected on large forested plots that are part of the Center for Tropical Forest Science (CTFS) network and also the ILTER. This workshop is the second in a series, and was entitled "The Second Analytical Workshop on Dynamic Plot Database Application and Tool Design by Forest Research Institute Malaysia (FRIM)". IM Vanderbilt recruited two graduate students (Matthew Vadeboncoeur (HBR) and Jennifer Holm (LUQ)) to attend the workshop. Jennifer and Matt also spent a week with Taiwan Ecological Research Network IM guru Chau-Chin Lin in Taipei before traveling to Malaysia. IMs John Porter (VCR), Eda Melendez-Colom (LUQ), Don Henshaw (AND) and Vanderbilt also attended the workshop, along with scientists from Viet Nam, Taiwan, and Malaysia.

The purpose of the workshop was to investigate tools to support data synthesis and integration, have the scientists use the tools to determine if they might be broadly applicable to synthesis research, and also to analyze data for publication. During the workshop, workflows were developed using Kepler that formatted the CTFS datasets for analysis and then piped them through scripts from the Biodiversity R module. The analyses begun in Malaysia will continue into Fall 2010 via workgroups spearheaded by the two graduate students: Matt leads the spatial analysis team, and Jennifer leads the biodiversity team. Products of this workshop are expected to be an informatics paper describing the use of Kepler, Metacat and EML as aids to data integration, a paper describing patterns of tree biodiversity relative to site characteristics from CTFS sites in Panama, Puerto Rico, Taiwan, Japan, and Malaysia, and a paper describing spatial patterns of tree species across these same sites.

Sevilleta updates meteorology data in the cross-site ClimDB database on a weekly basis. Cross-site personnel, site, and publication databases are updated at least twice a year. Sevilleta EML is harvested once a week and resides in the LNO Metacat.

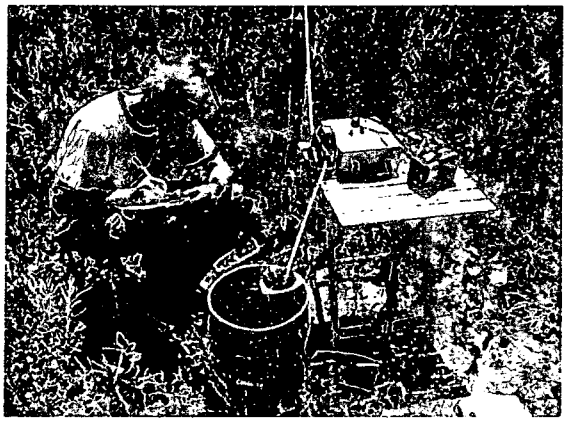
EDUCATION, OUTREACH, CROSS-SITE AND NETWORK LEVEL ACTIVITIES

The SEV LTER continues its activity involvement in education and outreach through BEMP (our Schoolyard LTER), the SNWR, E-MRGE (our GK-12 program), our REU Sites program, ESA SEEDS, and our everyday classroom teaching activities. SEV scientists are also active in numerous cross-site and synthesis projects, and provide service to the LTER Network.

Schoolyard LTER. The Bosque Ecosystem Monitoring Program (BEMP) is the schoolyard portion of the Sevilleta LTER. Last year BEMP involved 5,156 community members (students, teachers, etc.) in science-related outreach activities. Of these people, 2,116 were actually in the field collecting long-term data about ecosystem variables and the ecological drivers of flood, fire, river flow, climate and management. Experiences of these community members supports science education reform efforts and helps increase each person's understanding and appreciation of science in general and the Rio Grande riparian ecosystem in particular. BEMP findings derived from K-12 student-gathered data are used by government agencies to inform multi-million dollar river and riparian management decisions. In addition to receiving funding from the sLTER program, BEMP is funded by federal and state sources as well as private foundations.

Schoolyard LTER funding helped pay for bus money, teacher stipends, guest lecturers and outreach support. BEMP used sLTER money to pay for K-12 classes to come to field sites, collect scientific data and learn about ecological research. After students collected data in the field, BEMP staff conducted classroom outreach, such as leaf litter identification, sorting and weighing, and graphing of data. In addition, guest lecturers were paid to present different view points on the current and historic water issues of the Middle Rio Grande to the 408/508 BEMP biology class at the University of New Mexico. Finally, two high school students were employed part-time during the summer of 2010. Attached is a photo of one student collecting groundwater chemistry data in the field.

Undergraduate education. UNM is a certified Hispanic serving institution, and the Department of Biology has over 1200 undergraduate majors of which 48% are Caucasian, 33% Hispanic, 10% Native American, 7% Asian and 2% Black. Thus, through our day-to-day activities UNM faculty regularly work with, encourage, mentor, and train a large number of minority students. In that regard, we serve the broader goal of recruiting minority students into ecological research.



In 1996, ESA established SEEDS (Strategies for Ecology Education, Development and Sustainability) to diversify and advance the profession of ecology. A key goal is to stimulate and nurture the interest of underrepresented students in ecological research. In 2005, UNM Biology established a local SEEDS Chapter (Collins is faculty rep). In November 2006, Sevilleta hosted a national SEEDS field trip and career forum. In September 2008 the Sevilleta LTER hosted a research visit and career forum for the SEEDS chapters at NAU and UTEP. In addition, in February 2009, the Sevilleta LTER hosted the annual

SEEDS Leadership Conference and we are planning another regional SEEDS workshop to be held at the Sevilleta in December 2010.

Sevilleta REU Program. We have just completed the third year of our first REU Sites Award. This award supported 32 undergraduate students from a total of 29 institutions. Only 2 of the 32 students were from UNM. Demographic statistics on participants and applicants are given in Table 1 and 2, respectively. Overall, 68% of the participants were female, 53% had completed either their freshman or sophomore year, and 55% of the students were members of underrepresented groups (16 out of 22 in years 2 and 3). Of these participants, 19 are still undergraduates, 9 are in or entering graduate school, and 5 are doing other things. We also used LTER supplement funds to include two REU Art students in collaboration with Catherine Harris, Assistant Professor of Fine Arts and facultymember in the Arts in Ecology Program at UNM.

Art and Ecology teaches students about engaged, ecological and experimental art. Building from Robert Smithson, Agnes Denes, Joseph Beuys and other early practitioners of Land Art and ecological art, the practices can be performance art, sculptural, planning documents, hand crafting, audio, visual pieces or other media. As a new area in the Department of Art and Art History, Art and Ecology creates a signature discipline for the University of New Mexico. Building from the successful D.H. Lawrence Summer Arts Projects, Southwest Geographic Arts and Land Arts of the American West courses, the Art and Ecology area provides a full curriculum based on the environments and communities of the southwest. The Art and Ecology Program guides students through collaborations (both interdisciplinary and cross-cultural) and the mechanisms of public process.

During 2010 we were able to fund two Art in Ecology students using a supplement to our LTER award. The response from the REU science students was both curiosity and inclusion. Art students met the same requirements as the science students in terms of expectations and products (field notebooks, leading journal club discussions, turning in graphs, helping with field and lab research, and introducing their art pieces at the end of the summer in our annual REU symposium). In addition, all ecology REU students participated in art projects over the summer led by the Art REUs, including photography with handmade pin-hole cameras and papermaking from natural materials.

Native Alaskan and 2010 Art REU student Melissa Shaganoff with her paper sculpture

NETWORK-LEVEL INTERACTIONS

At the Network level and beyond, SEV LTER scientists continue to be involved in a variety of cross-site and international projects. The Sevilleta Information Manager (Vanderbilt) has been active in Network level activities. She has served on the Network Information System Advisory Committee (NISAC) since 2007. She has been the Chair of the International LTER Information Management Committee since 2006, and has organized and participated in ILTER IM Workshops in China, Korea, and Taiwan. She is likely to be the next Chair of the ILTER. She is collaborating with other US Information Managers and LTER Network Office

personnel to create a series of training videos for new Information Managers, the first of which can be seen at http://www.ilternet.edu/training/training-online-resources-collection.

PI Collins represents the SEV on the LTER Science Council, and prior to that was an elected member of the LTER Executive Committee. Collins accidently got himself elected to be the next Chair of the LTER Science Council and Executive Board. Collins served as PI on the NSF-funded LTER Planning Grant that over a three year period developed an ambitious funding initiative and research agenda for the LTER Network (the LTER Decadal Plan) to increase network-level research coordination, cooperation, collaboration and capability. Two papers resulted from that effort (Smith et al. 2010 Ecology and Collins et al. 2011 Frontiers in Ecology and the Environment). Finally, Sevilleta researchers are involved in numerous synthesis efforts and networks, such as Chapman conferences, PrecipNet, DireNet, TraitNet, and PDTNet (Clark et al. 2007, Cleland et al. 2008, Collins et al. 2008), and other cross site projects on compensatory dynamics (Houlahan et al. 2007), shrub encroachment (Knapp et al. 2008), and the international Nutrient Network (NutNet) to name a few. Sevilleta LTER continues to participate in the National Phenology Network.

SOCIAL-ECOLOGICAL RESEARCH

The Sevilleta LTER Program has not had a social-ecological research component to date, but is currently expanding in that realm via three collaborative efforts:

1. The Sevilleta LTER is part of a five site social sciences funding collaboration (JOR, CAP, SGS, KNZ and SEV), **"Socio-ecological gradients and land use fragmentation: a cross-site comparative analysis."** The objective of this cross-site collaboration is to answer the following research question: *Is the degree of land fragmentation a function of magnitude and/or rate of change of water availability, population growth, and urbanization?* At each site we will investigate the role of these drivers, in addition to other proximate drivers, in the process of land fragmentation. This effort has produced one publication thus far (York et al. 2011 Urban Ecosystems).

2. Our 2009 supplement included a request for a related, site based project to be conducted by Mike Agar, Professor Emeritus, University of Maryland, currently a resident of Santa Fe, who is an expert in agent-based modeling. In this research activity Professor Agar reviewed current literature in ecological anthropology with emphases on the "new ecology," historical ecology, and political ecology. He coordinated this background work with relevant work being conducted as part of the five site cross-site project. The problem focus was land fragmentation, in part because of the ongoing supplement, mentioned above. The focal community for this supplement was Albuquerque from about 1950 to 1970. Results of this work have been presented at the 2009 LTER All Scientists Meeting and at the AAAS annual meetings in San Diego in February 2010.

3. The Sevilleta LTER Program was notified that its collaborative ULTRA-ex (Urban Long-Term Research Areas) planning proposal with two other LTER Sites, JOR and CAP will be funded in late 2010. Understanding the socio-ecological dynamics of urban areas is limited by inadequate knowledge of the type, quantity, and quality of ecosystem services delivered in metropolitan regions and how actors incorporate considerations of ecosystem services *and*

household preferences into management decisions. The principal question of our proposed research is to understand how decision makers respond to and make land and water use decisions based on measured and preferred ecosystem services at the wildland-rural-urban fringe in the arid Southwest. If funded, we will employ a comparative, gradient approach using the metropolitan areas of Las Cruces and Albuquerque, NM and Phoenix, AZ as case studies. Primary methods include stakeholder forums and focus groups with decision makers, hedonic modeling of houses prices and ecosystem service amenities, and biophysical modeling of ecosystem services.

Together these activities illustrate how the Sevilleta LTER and its scientists are committed to (1) conducting cutting edge research, (2) achieving the goals of the LTER Network, (3) expanding the spatial, temporal and conceptual bases of our research through the addition of new participants, and (4) furthering our education, outreach and training efforts at K-12, undergraduate, graduate, postgraduate, and informal levels.

Findings

As noted above, our research program is based on the concept of pulse dynamics in which pulses of rainfall, primarily at the event scale, stimulate biological processes from microbial metabolism through plant production and consumer population dynamics. The main components of our research are climate drivers, water in the environment, biogeochemistry and soils, producer dynamics, and consumer dynamics. In addition to some of the results presented under "Activities", below we present highlights of some of the key results from Sevilleta research produced or published in late 2009 through August 2010.

General synthesis publications. Using data from terrestrial soils and freshwater sediments, Sinsabaugh et al. (2009 *Nature*) showed that heterotrophic microbial communities share a common functional stoichiometry in relation to organic nutrient acquisition. As shown Figure 1, organic nitrogen acquisition and organic phosphorous acquisition both show a 1:1 ratio with organ carbon acquisition. Essentially, microbial biomass is the basis for all detrital food webs and the elemental stoichiometry of microbes directly impacts nutrient cycling processes. Based on the activities of four extracellular enzymes associated with hydrolysis of the principle sources of C, N and P from detritus it appears that stoichiometry reflects the equilibria between elemental composition of microbial biomass and detritus, and the efficiencies of microbial nutrient uptake and growth. These enzymatic activities link stoichiometric and metabolic theories, and provide a measure of the threshold at which control of community metabolism shifts from nutrient to energy flow.

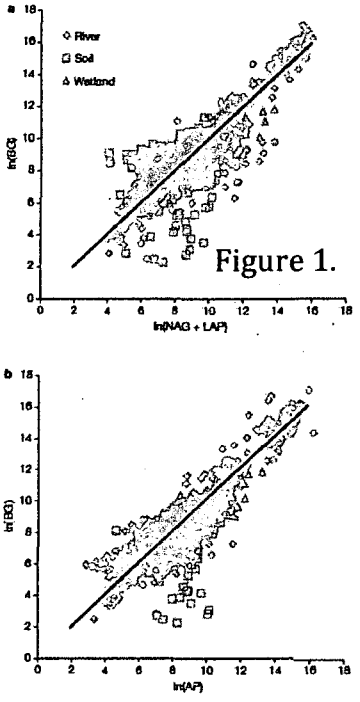


Figure 1.

In another general synthesis, Smith et al. (2009 *Ecology*) developed a multi-scale model (Figure 2) for understanding comparative ecosystem dynamics under global environmental change. Ecosystem drivers can be classified generally as *presses*, which are chronic yet may change in strength, or *pulses*, which are relatively discrete events that vary in frequency, intensity and magnitude. Current ecological theory emphasizes the important of pulse disturbances as key drivers of change. However, the chronic influence of presses from elevated CO2,

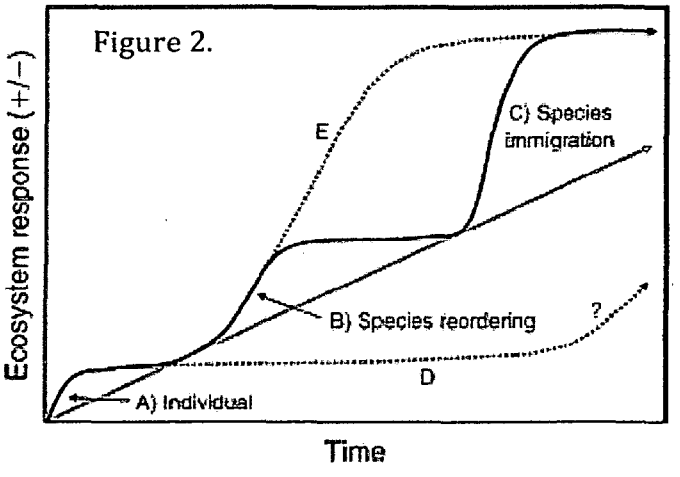


Figure 2.

increasing temperature, elevated N deposition, sea level rise, etc., are sufficient to alter community dynamics in the absence of disturbance. A hierarchy of responses may occur including ecological plasticity, genotypic change, population change, community reordering and finally, immigration and extinction dynamics. In combination, increasing (or decreasing) presses and new or altered pulse regimes may interact lead to rapid transitions and alternative stable states in some ecosystems. Because this is a comparative framework, information is gained primarily through cross-site and collaborative approaches to understanding ecosystem dynamics in response to global environmental change.

Romme et al. (2009 *Rangeland Ecology and Management*, including SEV Co-PI Este Muldavin) published an interesting invited synthesis paper in Rangeland Ecology and Management on past and present disturbance regimes, stand structure and landscape scale dynamics of piñon-juniper woodlands. The goal of this paper was to summarize information for land managers and to stimulate further research on the dynamics of this widespread forest ecosystem.

Species responses to climate variability.
Woody plant encroachment is affecting vegetation composition in arid grasslands worldwide and has been associated with a number of environmental drivers and feedbacks. It has been argued that the relatively abrupt character (both in space and in time) of grassland-to-shrubland transitions observed in many drylands around the world might result from positive feedbacks in the underlying ecosystem dynamics. For example, Mederios and Pockman (2010 *Journal of Arid Environments*) recently found that small (younger?) creosote plants are wiser than larger (older) plants. That is, smaller plants had higher growth rates but maintained larger safety margins from transpiration rates under water stress that could lead to hydraulic failure and death. Building on that information, D'Odorico et al. (in review, *Ecosystems*) showed that in the Chihuahuan Desert climate feedbacks could emerge from interactions between vegetation and microclimate conditions. Creosote establishment modifies surface energy fluxes, causing an increase in nighttime air temperature, particularly during wintertime. The resulting change in winter air temperature regime is important because the northern limit of the dominant shrub at the site, *Larrea tridentata*, presently occurs where minimum temperatures are sufficiently low to be a potential source of mortality. Using freezing responses from published studies in combination with the observed temperature record at the site, D'Odorico *et al.* predict that a small warming can yield meaningful changes in plant function and survival (Figure 3). Moreover, they also suggest that the effect of the change in air temperature on vegetation depends on whether plants experience drought during winter. Thus, in the Chihuahuan Desert region a positive feedback exists between shrub establishment and changes in microclimate conditions, with implications for the response of this ecosystem to regional changes in temperature and precipitation.

Also related to climate and climate change, Collins et al. (2010 *Journal of Arid Environments*) reported that nighttime warming and low level N fertilization led to rapid responses among dominant species at the Sevilleta. Specifically, blue grama increased with small additions of nitrogen but not under nighttime warming, black grama increased

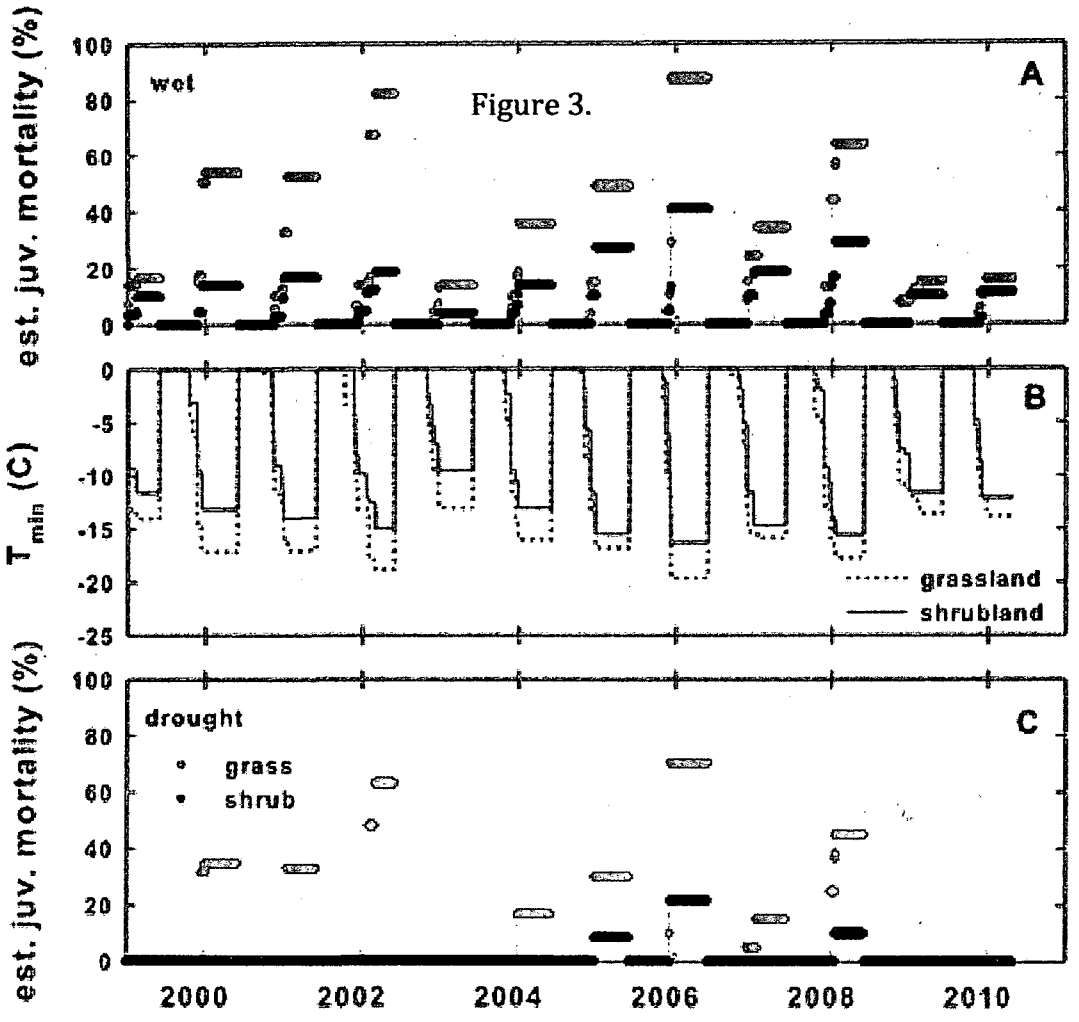


Figure 3.

production under nighttime warming but did not respond to N, and broom snakeweed, a C3 shrub, also increased under nighttime warming. These initial results changed in the third year of this long-term multifactor manipulative experiment. By year 3 black grama and blue grama were both responding to nitrogen additions, yet blue grama still showed little response to nighttime warming. The increase in the grasses negatively affected broom snakeweed in that growth of this shrub declined over the growing season.

Moving from grass-shrub interactions to piñon-juniper woodlands, Allen et al. (2010 *Journal of Arid Environments*) reported on the effects of long-term N fertilization on mycorrhizae abundance and piñon and juniper responses in relationship to drought. Fertilization led to a decrease in mycorrizae and an increase in leaf production in piñon but not juniper. As a consequence, piñons on the fertilized plots started to suffer mortality a year earlier than piñons on control plots during the 2000-2003 drought. Thus, N enrichment and loss of ectomychorrizae from piñon could enhance their susceptibility to future climate extremes, particularly drought.

Continuing with climate impacts on piñon-juniper woodlands, the pinon-juniper rainfall manipulation completed three years of treatment in August 2010. In two of three blocks,

those with shallowest soils and more southerly exposure, pinon mortality occurred after one year of treatment. Our recent analysis of sap flow, soil moisture and xylem hydraulic conductance data using a hydraulic model shows that the critical transpiration rates associated reached zero in April 2008 in advance of observed mortality in August 2008 (Figure 4). In contrast, critical transpiration rates in Juniper declined sharply but remained positive, allowing transpiration and carbon uptake to continue, until drought was relieved by monsoon precipitation.

During the recently completed third year of drought, imposed by fixed rainout structures that exclude roughly 45% of all precipitation, juniper individuals began to exhibit dieback and mortality. The third block, with the least slope and deepest soils, has yet to exhibit any mortality of pinon or juniper although both species exhibit treatment effects.

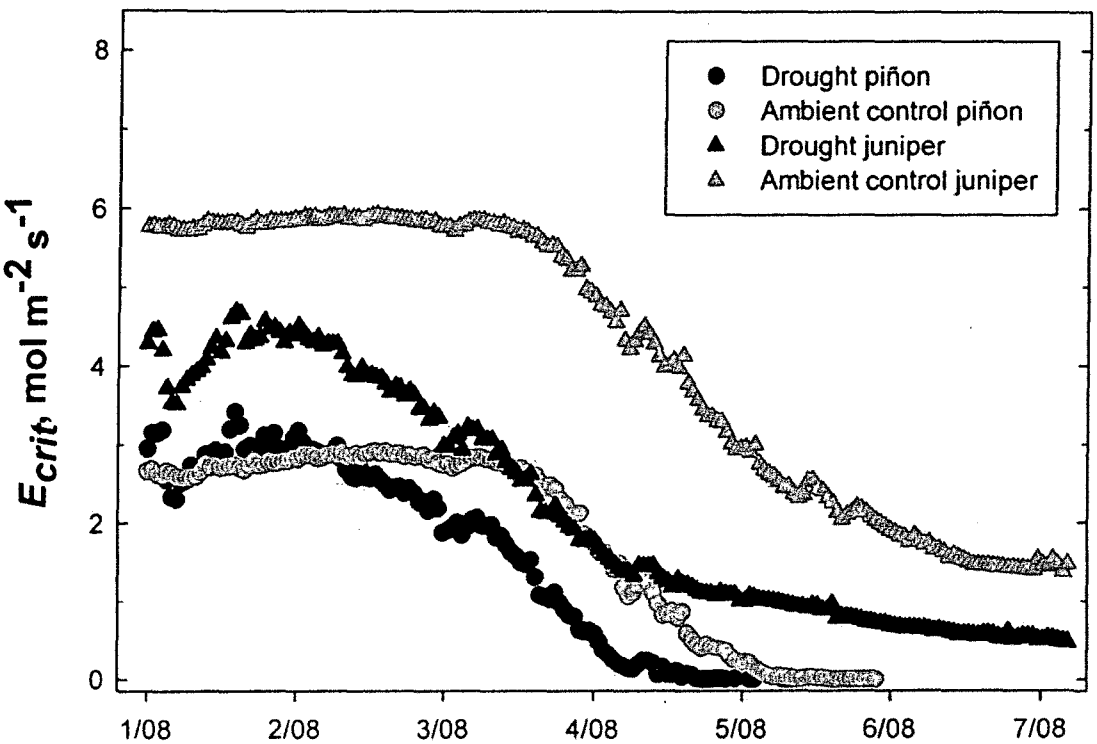


Figure 4. Modeled critical transpiration (E_{crit}) for piñon (circles) and juniper (triangles) in the drought (filled symbols) and ambient control (gray symbols) treatments. Source: Plaut et al., manuscript for submission to Plant Cell Environment.

We are in the process of establishing an additional treatment plot to assess the role of bark beetle activity in drought-induced mortality of pinon by combining the same drought treatment with regular application of pesticide to prevent bark beetle colonization of these trees.

Microbial ecology.

Communities of root-associated fungi (RAF) commonly have been studied under the auspices of arbuscular mycorrhizal fungi (AMF) or ectomycorrhizal fungi. However many studies now indicate that other groups of endophytic RAF, including dark septate

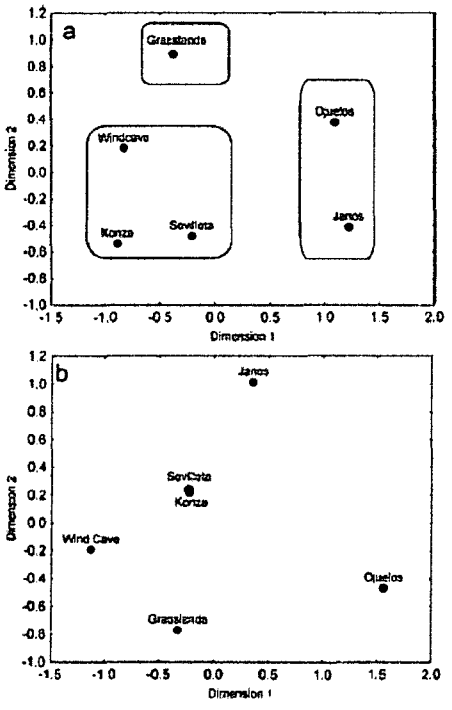


Figure 5. NMDS ordination of root associated fungi of *Bouteloua gracilis* from sites across the Great Plains

endophytes (DSE) are more abundant in some plants and environments. Herrera et al. (2010 *Mycologia*) used *Bouteloua gracilis*, a dominant grass at the Sevilleta, as a model system to examine whether RAF also colonize different organs within the same plant and to compare RAF communities from sites across North America, spanning the latitudinal range of *B. gracilis* from Canada to Mexico. We compared the RAF communities of organs within individual plants at one site and within plant roots among six sites. With the possible exception of one group related to genus *Paraphaeosphaeria* there was little evidence that RAF colonized vertically beyond the crowns. Furthermore, although there was some variation in the constitution of rare members of the RAF communities, several taxonomically related groups dominated the RAF community at all sites. These dominant taxa included members in the Pleosporales (related to the DSE, *Paraphaeosphaeria* spp.), Agaricales (related to *Moniliophthora* spp., or *Campanella* spp.) and Hypocreales (related to *Fusarium* spp.). AMF were notable by their near absence. Similar phylotypes from the dominant groups clustered around adjacent sites so that similarity of the RAF communities was negatively correlated to site inter-distance and the RAF communities appeared to group by country (Figure 5). These results increase the possibility that at least some of these common and widely distributed core members of the RAF community form important, intimate and long lasting relationships with grasses.

Although research has shown that RAF are necessary for plant success in harsh environments, few studies have examined RAF community variability between different plant species coexisting in arid habitats. As a follow-up to the work on *B. gracilis* RAF, Khidir *et al.* (2010 *Journal of Arid Environments*) compared the diversity and composition of the fungal communities colonizing dominant and important forage grasses, *Bouteloua gracilis* and *Sporobolus cryptandrus*, at the Sevilleta. A third sympatric plant, *Yucca glauca* (Agavaceae), also was analyzed. ITS rDNA from roots, collected and amplified in 2007, yielded 447 fungal sequences. Sequences obtained from all three species suggest that grasses share a core group of RAF (90% of sequences representing the orders Pleosporales, Agaricales, and Sordariales). Conversely, 57% of the fungal community within *Y. glauca* was dominated by a different RAF cohort. The two most common OTUs within the grasses are related to *Paraphaeospheria* sp. and *Moniliophthora* sp. (91 and 85 of 331 sequences, respectively). These same two species accounted for 58% of isolates in culture-based analysis of the same grass root tissue. The presence of these RAF in several grass species, over several years, and at several sites suggests that grasses in semiarid landscapes share a similar cohort of fungal dominants.

Ecohydrology.
During the last 150 years, land degradation across the arid and semiarid grasslands of the southwestern US has been associated with an increase in runoff and erosion, and a loss of biodiversity. Scientists at the Sevilleta LTER are investigating both the causes and consequences of land degradation in this region. Ravi et al. (2010 *Geomorphology*) reviewed recent contributions to the study of biotic and abiotic drivers of dryland degradation and proposed a more holistic perspective of the interactions between wind and water erosion processes in dryland systems, how these processes affect vegetation patterns and how vegetation patterns, in turn, affect these processes (Figure 6). They note that climate change may lead to increased regional aridity, which could increase the importance of abiotic processes in land degradation in the future.

In another contribution, Ravi et al. (2010 *Rangeland Ecology and Management*) summarize a potential form of aridland pulse dynamics. In this case, they review the concept of shrub encroachment and the development of islands of fertility. However, they also discuss how fire, through alterations in soil hydrophobicity and enhanced surface erosion, can reverse the development of fertility islands. To do so requires burning at a key transition stage before the system passes a threshold of shrub encroachment and loss of grass cover. The results have important management implications for restoring and maintaining grassland in areas where shrub encroachment is occurring.

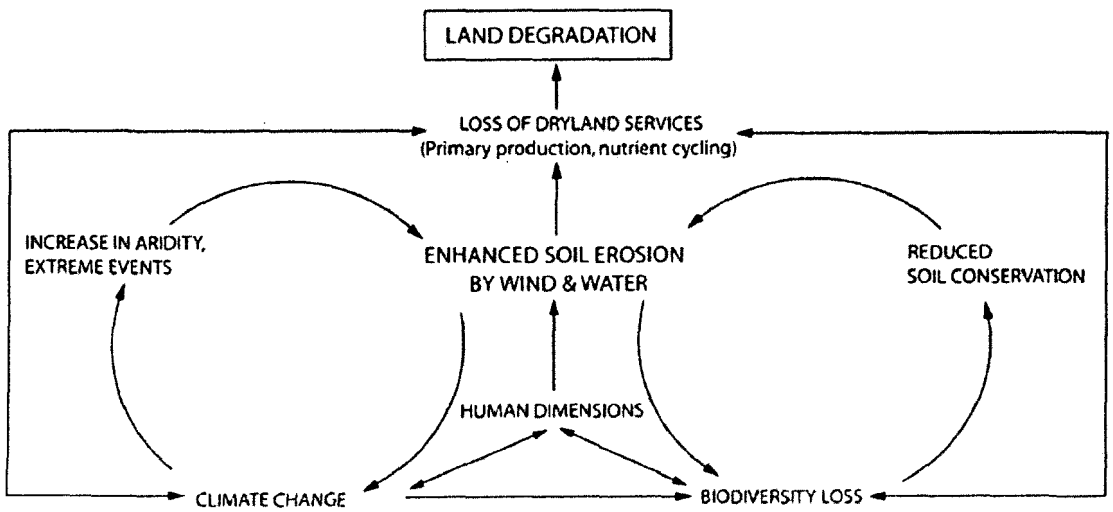


Figure 6. Conceptual diagram showing the interrelations among soil erosion, land degradation, climate change and biodiversity loss (modified from MEA, 2005).

Pockman and Small (2010 *Ecosystems*) found that redistribution of water following a 15mm precipitation event in the grass-shrub ecotone at Sevilleta led to enhanced infiltration and higher soil water content under grasses as well as shrubs compared to patches of unvegetated soil. However, redistribution of surface water led to a greater amount of soil water in the root volume of grasses relative to shrubs, which led to lower plant water stress in grasses compared to shrubs following this one rain event. The results suggest that redistribution and infiltration under grasses can increase their competitive ability and perhaps slow shrub encroachment by creosote into these grasslands.

Turnbull et al. (2010a, *Hydrological Processes*) investigated the runoff-driven redistribution and loss of dissolved and particulate-bound N and P that occurs during natural runoff events over a trajectory of degradation, from grassland to degraded shrubland, at the Sevilleta. Runoff-driven nutrient dynamics were monitored at four stages over a transition from grassland to shrubland, for naturally occurring rainfall events over 10 by 30 m bounded runoff plots. Results show that particulate-bound forms of N and P are responsible for most of N and P lost from the plots due to erosion occurring during runoff events. Results suggest that for high-magnitude rainfall events, the output of N and P from the plots may greatly exceed the amount of N and P input into the plots, particularly over shrub-dominated plots where erosion rates are higher. As these results only become apparent when monitoring these processes over larger hillslope plots, it is important to recognize that processes of nutrient cycling related to the islands of fertility hypothesis may have previously been overstated when observed only at smaller spatial scales. Thus, the progressive degradation of semi-arid grassland ecosystems across the south-western United States and other semi-arid ecosystems worldwide has the potential to affect N and P cycling significantly through an increase in nutrient redistribution and loss in runoff.

Building off this empirical work, Turnbull et al. (2010b *Journal of Hydrology*) evaluated Mahleran, the Model for Assessing Hillslope to Landscape Erosion Runoff, And Nutrients, against runoff and erosion data from empirical research in four plots representative of different stages of land degradation over the transition from grassland to shrubland at the Sevilleta. In addition, they developed a new particulate-bound nutrient module to include a representation of particulate-bound nutrient dynamics, which is an important form of nutrient transport in these ecosystems (see above). Understanding dynamics of both dissolved and particulate-bound nutrient dynamics during runoff events is imperative, because of their differing roles in terms of nutrient bioavailability and

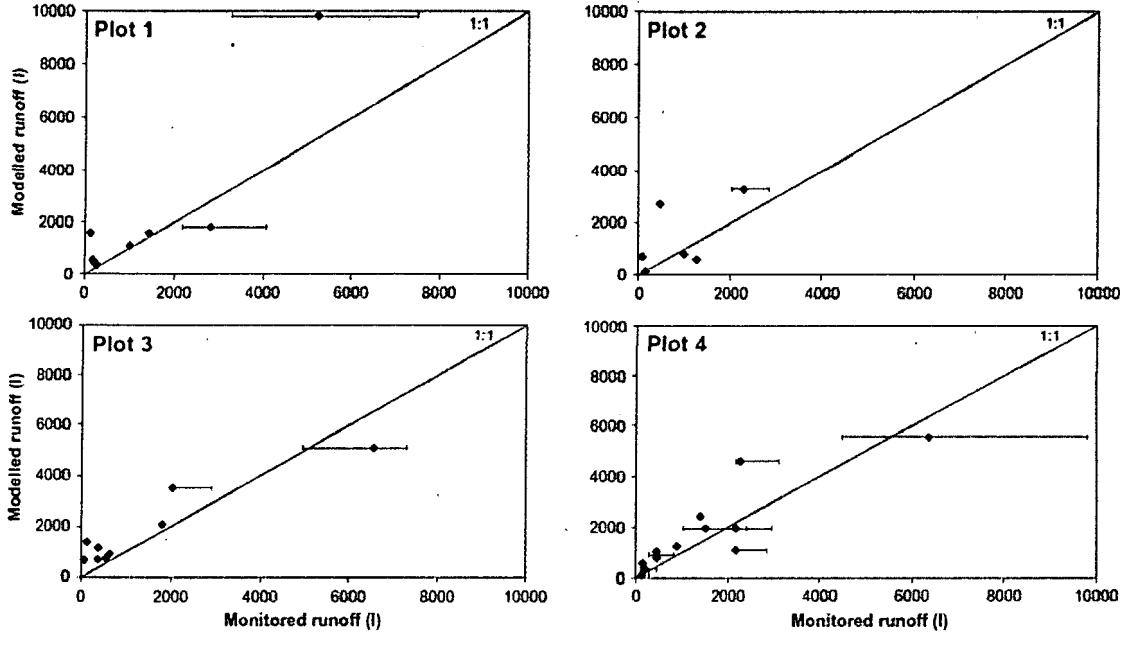


Figure 7. Monitored and modelled runoff (l), with bars showing potential uncertainty in the volume of total runoff that was monitored derived using the approach outlined in Turnbull et al. (2010a).

potential implications for plant dynamics as well as their impact on shrub encroachment processes.

This model evaluation showed that the runoff and erosion components of Mahleran perform reasonably well (Figure 7), as does the new particulate-bound nutrient sub-model, though not consistently. Performance of the particulate-bound nutrient model was better for the end-member plots (pure grassland or pure shrubland), because of better parameterization data available for end-member vegetation types. Since the particulate-bound nutrient sub-model is by necessity strongly dependent on the simulated erosion rate, the performance of the particulate-bound nutrient model is dependent on the performance of the erosion component of Mahleran, so that when erosion is well represented by the model, so typically are particulate nutrient transfers. The performance of the dissolved nutrient component of Mahleran was poor in this application, which indicates that the process representation for this semi-arid environment and the parameterization of the dissolved nutrient component were inadequate. Results from the model evaluation suggest that an improved understanding of dissolved nutrient dynamics during runoff events and simulation if inter-event nutrient dynamics is required, in order to improve the level of process representation within modeling approaches and thus the ability to simulate dissolved nutrient dynamics and their subsequent effects on other ecosystem processes.

Consumers.

In work related to our plans to vastly increase prairie dog populations at the Sevilleta (see Activities), Megan Friggens and colleagues (2010) recently reported in the *Journal of Wildlife Diseases* on a three-year survey of fleas on rodents and in prairie dog burrows in the Valles Caldera Preserve north of the Sevilleta. This research was supported with a SEV LTER Summer Fellowship for a regional comparative study of fleas and plague including in populations from our original prairie dog restoration plots established in 2005. Overall, they found a small number of fleas and prairie dogs with evidence of plague but their results suggest that fleas in burrows can be an important reservoir for plague that can help lead to outbreaks under appropriate summer conditions. This information will contribute to the design and monitoring of disease dynamics at the Sevilleta as the current restoration efforts continue.

Robin Warne along with Alaina Pershall and Blair Wolf reported in *Ecology* (2010) on the impacts of interannual climate variability and its effects on C3 and C4 plants, grasshoppers, and lizards at the SEV. They found that during normal rainfall years consumers used an increasing proportion of C4 derived resources over the growing season. However, during a spring with below average precipitation consumers relied on C4 resources that were likely carried over from previous year's production. This demonstrates the degree of diet flexibility that consumers like grasshoppers and lizards need to have to survive in this highly variable system, which has implications for community composition and structure under future patterns of climate variability. In a second paper in *Physiological and Biochemical Zoology*, Warne, Gilman and Wolf (2010) used stable isotopes to determine the tissue incorporation rates of carbon in two species of lizards. They found that carbon incorporation rates in various tissues were

much slower than for comparably sized endotherms.

Rominger et al. (2009 *Oecologia*) investigated whether neutral or deterministic factors structure grasshopper communities at the Sevilleta. They studied the spatial structure of a desert grassland grasshopper community to test predictions for species sorting based on niche differentiation (deterministic) and dispersal limitation (neutral). To do so, they contrasted the change in species relative abundance and community similarity along an elevation gradient (i.e., environmental gradient) against community change across a relatively homogeneous distance gradient. They found a signifcant decrease in pairwise community similarity along both elevation and distance gradients (Figure 8), indicating that dispersal limitation plays a role in structuring local grasshopper communities. However, the distance decay of similarity was significantly stronger across the elevational gradient, indicating that niche-based processes are important as well. To further investigate mechanisms underlying niche differentiation, Rominger *et al.* experimentally quantified the dietary preferences of two common species, *Psoloessa texana* and *P. delicatula*, for the grasses *Bouteloua eriopoda* and *B. gracilis*, which are the dominant plants in Sevilleta grasslands. Cover of the preferred host plant explained some of the variation in relative abundances of the two focal species, although much variance in local *Psoloessa* distribution remained unexplained. These results indicate that the composition of local communities can be influenced by both probabilistic processes and mechanisms based in the natural histories of organisms.

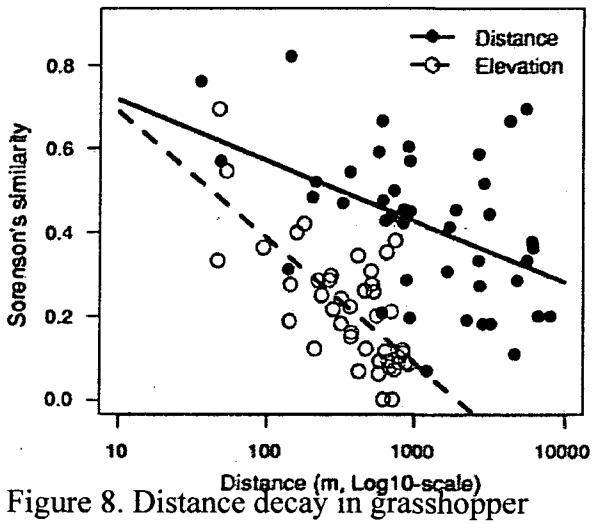


Figure 8. Distance decay in grasshopper community similarity across elevational and spatial gradients.

Finally, work by graduate student Virginia Seamster of the University of Virginia is addressing how woody plant encroachment affects foraging behavior of predators. Woody plant encroachment, or the spread of woody plants into a grassland area, is a widespread process of habitat change and some of the arid and semi-arid areas affected by woody plant encroachment are subject to strong seasonal variation in rainfall and thus in primary productivity. The primary goal of this project is to assess the consequences of both woody plant encroachment and seasonal climatic variation for the feeding ecology of a top, omnivorous predator. The specific questions being addressed are: 1) What is the base of the food chain for coyotes living in grassland vs. shrubland

Figure 9. Scat collection.

habitats in an area where woody plant encroachment has been occurring over the past century? and 2) Is there seasonal variation in the base of the coyote food chain in this same area? The hypotheses are that: 1) woody plant encroachment will lead to a shift in coyote feeding ecology such that coyotes in shrubland areas will obtain a significantly higher percentage of their food resources directly or indirectly from shrubs than coyotes in the native grassland habitat and 2) the percentage of coyote diet coming from shrubs will decrease significantly from spring to fall as grass productivity increases during the summer monsoon season. To test these hypotheses, data was collected in the spring, summer and fall of 2009 at the Sevilleta National Wildlife Refuge (NWR) and Long Term Ecological Research (LTER) site in New Mexico. Data collection consisted of scat collection along 22 one mile long, road based transects. Half of all transects were located in grassland habitat, the other half in shrubland. A subsample of each scat was collected for genetic analysis (Figure 9) and the remainder was dried for stable carbon isotope analysis. All samples were run through a species identification test and coyote samples were identified to individual using microsatellite techniques. Bone, hair and seeds were removed from a subset of the dried samples and run through stable carbon isotope analysis.

So far, 935 scat samples have been collected. Just over two thirds of the samples were from coyotes and a total of 81 individuals were identified. Preliminary stable carbon isotope data indicates that, contrary to expectations, coyotes derive roughly 50% of their food resources directly or indirectly from shrubs regardless of the habitat type ($t=0.66$, $p=0.51$; Figure 10a) and that there is no significant seasonal variation in the base of the coyote food chain in either habitat type (grassland: $F=0.45$, $p=0.64$; shrubland: $F=0.63$, $p=0.54$; Figure 10b). There is however a slight increase in the use of shrub-derived food resources from grassland to shrubland (Figure 10a) and slight decrease in shrub-derived resources from spring to summer in the shrubland habitat (Figure 10b) which does match expectations.

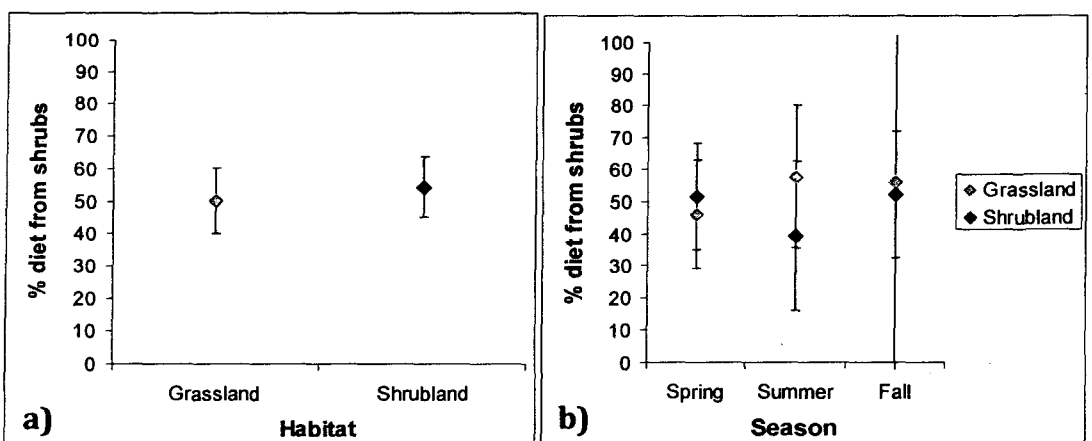
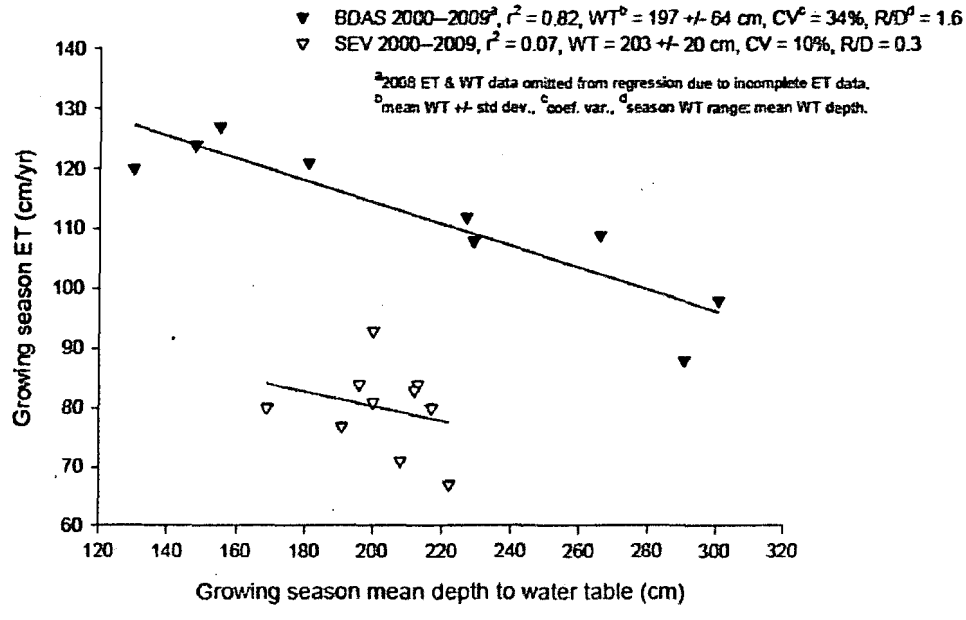


Figure 10. Differences in % coyote diet from shrubs a) between habitats, b) among seasons.

Biosphere-Atmosphere coupling.

Phreatophytic vegetation such as salt cedar relies heavily on ground water transported from upstream sources. ET exceeds local precipitation by a factor greater than 3 at the riparian sites. Growing season ET averages 80 cm/yr at SEV, approximately 70% of the more densely vegetated BDAS (112 cm/yr). Growing season WTs at both sites average nearly 2 m depth although hydrographs at BDAS are much more variable. Unlike SEV, the WT at BDAS has a strong hydrological connection to the river. The absolute WT range at BDAS averages 2.3 m and has reached 4 m, while SEV WTs range about 0.6 m. Ratios of seasonal WT range to mean WT depth are 1.6 at BDAS and 0.3 at SEV. Total growing season ET declines with deeper mean WTs at both sites, and they are strongly correlated at BDAS, but not at SEV (Figure 11). Similar correlations were also observed at two mixed native/non-native communities along the Rio Grande with nearly identical range to depth ratios. While wet years with shallow WTs likely increase ET, pulses of extended snowmelt flooding at BDAS in two recent years did not elevate ET during inundation. In these riparian ecosystems with near-surface ground water, it appears that variability in water table depth, which exposes a greater extent of vadose zone throughout the growing season, may play a more important role than depth itself on transpiration rates by phreatophytes. The phenology of native riparian communities is dependent on

Figure 11. Mean growing season water table depth vs. total ET at Sevilleta (SEV, 2000--2009) and Bosque del Apache (BDAS 2000--2007, 2009) National Wildlife Refuges.



seasonal flooding, which has been greatly diminished by hydrologic alterations and competing allocations. Runoff managed to flood targeted restoration sites with concomitant flooding into invasive salt cedar stands would not likely result in excessive water consumption.

Southwestern North America faces an imminent transition to a warmer, more arid climate, and it is critical to understand how these changes will affect the carbon balance of southwest ecosystems. Anderson-Tiexera et al. (2010 *Global Change Biology*) test the hypothesis that differential responses of production and respiration to temperature and moisture shape the carbon balance across a range of spatio-temporal scales in ecosystems across New Mexico. They quantified net ecosystem exchange (NEE) of CO2 and carbon storage across an elevational gradient, using six eddy-covariance sites representing biomes ranging from desert to subalpine conifer forest in central New Mexico. Within sites, hotter and drier conditions were associated with an increasing advantage of respiration relative to production such that daily carbon uptake peaked at intermediate

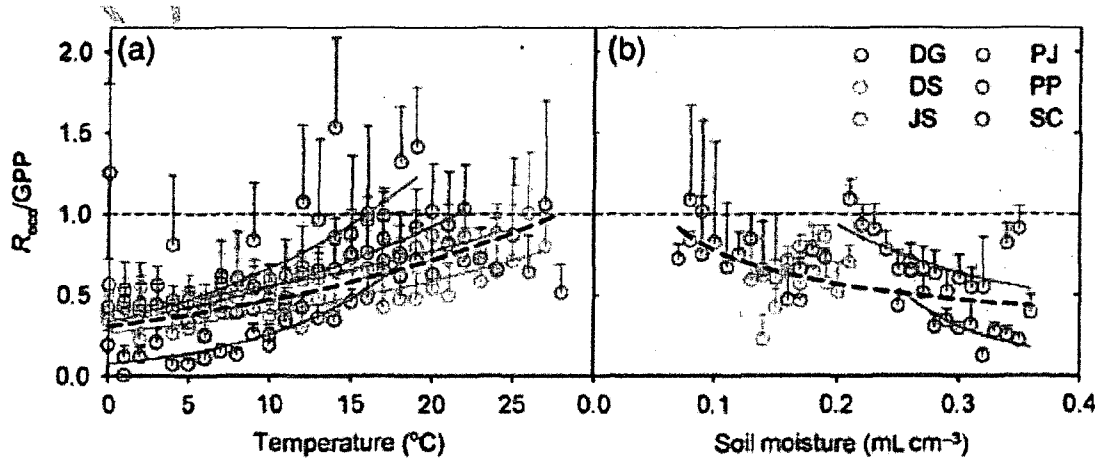


Figure 12. Relative advantage of daily respiration over production (Reco/GPP) as a function of (a) air temperature and (b) soil moisture (30–40cm depth; months where low temperatures do not limit growth) for all six sites across the gradient. Colored lines represent significant within-site relationships, and dashed black lines represent the average response across sites. GPP, gross primary production; Reco, release through ecosystem respiration; DG, desert grassland; DS, desert shrubland; JS, juniper savannah; PJ, pinon-juniper woodland; PP, ponderosa pine forest; SC,subalpine conifer forest.

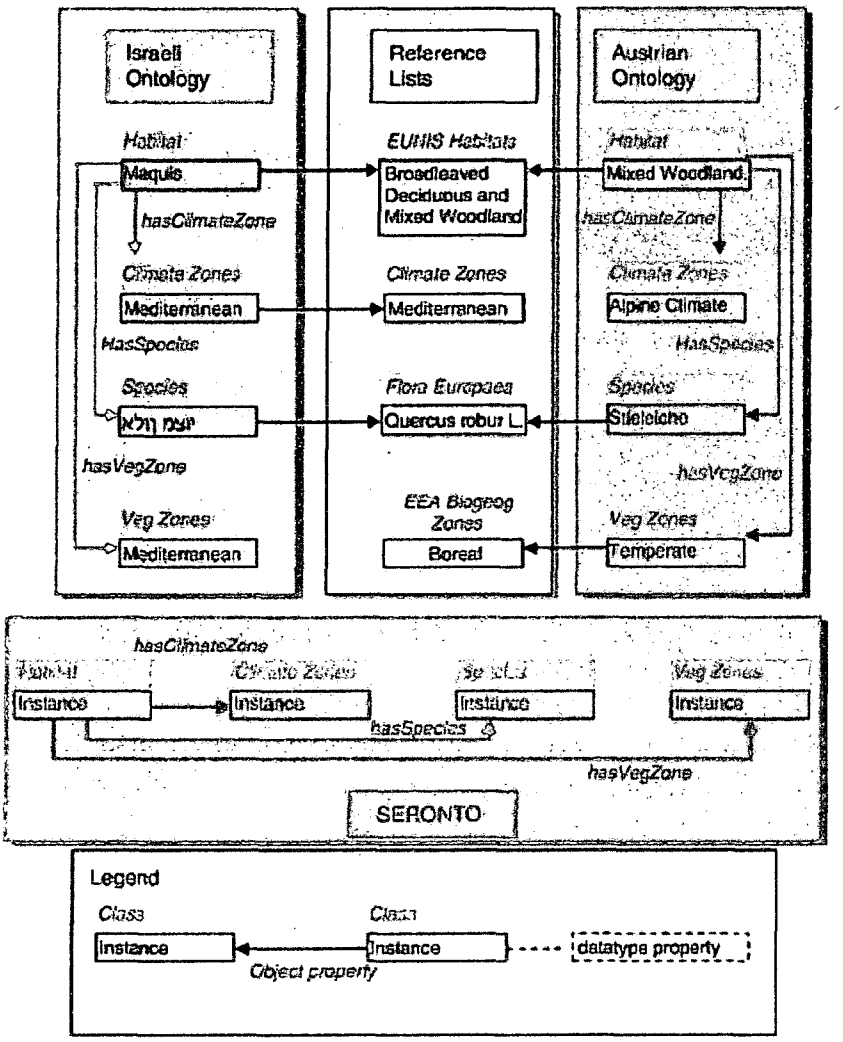
temperatures – with carbon release often occurring on the hottest days – and increased with soil moisture (Figure 12). Across sites, biotic adaptations modified but did not override the dominant effects of climate. Carbon uptake increased with decreasing temperature and increasing precipitation across the elevational gradient; NEE ranged from a source of 30 gCm-2 yr-1 in the desert grassland to a sink of -350 gCm-2 yr-1 in the subalpine conifer forest. Total aboveground carbon storage increased dramatically with elevation, ranging from 186 gCm-2 in the desert grassland to 26 600 gCm-2 in the subalpine conifer forest. These results make sense in the context of global patterns in NEE and biomass storage, which add support to the finding that increasing temperature and decreasing moisture shift the carbon balance of ecosystems in favor of respiration, such that the potential for ecosystems to sequester and store carbon is reduced under hot and/or dry conditions. This implies that projected climate change will trigger a substantial net release of carbon in these New Mexico ecosystems (-3Gt CO2 statewide by the end of the century), thereby acting as a positive feedback to climate change.

Information management

Vanderbilt et al. (2010 *Ecological Informatics*) discuss the significant barriers to creating and using common EML protocols and keywords in an international context. The ILTER Network has agreed to provide EML in English, but translation remains the burden of

data providers for whom English may be a second (or third, or fourth, or…) language. In many cases, there are no direct translations between languages making the use of EML challenging globally. Vanderbilt et al. lay out a roadmap (Figure 13) to address the difficulties of multilingual translation and facilitate the development of an international EML framework that will benefit data synthesis globally.

Figure 13. An example of ontology mediated translation. SERONTO is a core ontology (pink) where concept classes such as habitat, species, and climate zone are related by object properties such as hasClimateZone, hasSpecies, and hasVegZone. The Israeli (yellow) and the Austrian (blue) plant community ontologies are based on SERONTO. In this example, there is a direct mapping between the Hebrew and German common names for *Querqus robur* L. using the Flora Europaea reference list. Even though the two habitats are instances of the EUNIS "Broadleaved Deciduous and Mixed Woodland" Habitat, they are not identical because the Israeli climate zone and the Austrian climate zone are not equivalent. Additional rules in the domain ontology would be needed to determine if the data from the two sites could be integrated.



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APPENDIX J

LTER NETWORK OFFICE ANNUAL REPORT, 2009–10

2009 Annual Report of the LTER Network Office

Introduction

The Long Term Ecological Research (LTER) Network is a group of 26 of the most intensively-studied ecosystems in the world. Since 1980, the National Science Foundation has sponsored research on long-term ecological processes that determine the dynamics of these critical ecosystems. Sites in the LTER Network include deserts, grasslands, row crop agriculture, cities, forests, wetlands, tundra, lakes, coral reefs, and open ocean. The purpose of studying these ecosystems is to provide the scientific community, policy makers, and society with the knowledge and predictive understanding necessary to conserve, protect, and manage the nation's critical ecosystems, their biodiversity, and the services they provide.

A central office (the LTER Network Office or LNO), located at the University of New Mexico, provides services to support the research and education goals of the LTER Network. An intensive three-year planning effort by the LTER Network defined a broad vision for LTER science including substantial new levels of synthesis and transdisciplinary research. Two Cooperative Agreements received from the National Science Foundation in 2009 total $15,761,743, and include support for new, network-wide initiatives focused on critical environmental questions such as climate change, changes in land use and land cover, loss of biodiversity, and the impact of invasive species.

A significant part of these awards will emphasize the completion of the Network Information System, management of increased numbers of Network data bases created through the EcoTrends project, the creation of new synthetic databases, and increased training opportunities for LTER information managers and scientists. The activities to be conducted under this award will have broad national impacts resulting from new synthetic research that will be stimulated by access to thousands of LTER data sets, by development of new standards of practice for ecological information management, by creation of new cyberinfrastructure tools, by increased access to data for education and underserved groups, and by collaboration with other environmental observing networks to plan a robust and efficient national cyberinfrastructure for ecological research.

Activities of the LNO are directed at achieving five LTER Network goals:

1. Increase the pace and scope of scientific synthesis in the LTER Network
2. Support Decadal Plan cyberinfrastructure goals
3. Support Network governance and operations
4. Improve information flow within LTER and between LTER and others.
5. Create productive collaborations that improve interoperability with other networks

In addition to the Cooperative Agreements mentioned above, LNO staff wrote a successful proposal to the DataNet program of NSF for $20,000,000. The goal of this proposal is to ensure preservation and access to multi-scale, multi-discipline, and multi-national science data. The Data Observation Network for Earth (DataONE) will be the foundation of new innovative environmental science through a distributed framework and sustainable cyberinfrastructure that meets the needs of science and society for open, persistent, robust, and secure access to well-described and easily discovered Earth observational data. In negotiating this award, UNM agreed to manage the project through the Office of the Vice President for Research.

APPENDIX K

FACULTY SCHOLARLY & PROFESSIONAL ACTIVITIES, CY 2009

UNM DEPARTMENT OF BIOLOGY

FACULTY SCHOLARLY ACTIVITIES & PUBLICATIONS

CY 2009

I. TEACHING.

A. Graduate Education.

1. Master's degrees.

a. List master's degrees awarded; include student's name, title of thesis or dissertation, semester awarded.

CUNNINGHAM, C.

Michelle Archuletta, "Antihelminthic Therapeutics," Spring.

HANSON, D.T.

Laura Green, "Transient De-coupling of Photosynthesis and Stomatal Conductance in Response to Leaf Primary Vein Cut in *Helianthus annuus*," Spring.

LITVAK, M.E.

Daniel A. Brese, Plan II, Fall.

MARSHALL, D.L.

Nathan Abrahamson, "Effects of Rapid Leaf Movement in Mimonsa on Invertebrate Herbivores," Spring.

POCKMAN, W.T.

Laura Green, "Transient De-coupling of Photosynthesis and Stomatal Conductance in Response to Leaf Primary Vein Cut in *Helianthus annuus*," Summer.

WEARING, H.J.

Etsuko Nonaka (Applied Math), "Maintaining Pathogens with Short Infectivity in Seasonally Structured Tick Populations: The Relative Importance of Three Transmission Pathways," Summer.

Henry Moncada (Applied Math), Paratransgenic Vectors and Their Potential Influence on the Dynamics of Chagas Disease," Summer.

b. For each of your M.S. students (current and past), indicate the number of primary and the total number of middle-author papers based on work done in our graduate program that were published *in the last year*. We define "primary" as either first-author or senior author.

BROWN, J.H.

Two primary, no middle.

COOK, J.A.

Two.

CUNNINGHAM, C.

Two.

LOKER, E.S.

One.

MILLER, R.D.

Two.

SINSABAUGH, R.L.

One.

SNELL, H.L.

Two.

WITT, C.C.

One primary.

2. **Doctoral degrees.**

a. List doctoral degrees awarded; include student's name, title of thesis or dissertation, semester awarded.

BROWN, J.H.

Oskar Burger, Anthropology Dept., "Ecological Constraints and Life History Trade-offs among Human Foragers and Their Prey," with Distinction, Spring 2009 (On Committee, but not Committee Chair)

John Delong, "Population and Community Energetics in Protists," Spring 2009 (On Committee but not Committee Chair)

HANSON, D.T.

Christopher Bickford, "Environmental Regulation of Carbon Isotope Discrimination and Internal CO_2 Conductance in C_3 Leaves," Summer.

John DeLong, "Population and Community Energetics in Protists," Spring.

KODRIC-BROWN, A.

Julie McIntyre, "Habitat Features, Mammal Interactions, and Recovery Approaches Important to a Rare, New Mexican Butterfly," Spring.

MARSHALL, D.L.

Melanie Barnes, "The Effect of Plant Source Location on Restoration Success: A Reciprocal Transplant Experiment with Winterfat (*Krascheninnikovia lantana*)," Fall.

POCKMAN, W.T.

Juliana Medeiros, "The Physiological Ecology and Evolution of Freezing Tolerance in Diploid *Larrea* spp.," Fall.

SMITH, F.A.

Crawford, Dolly, "The Role of Spatial and Genetic Modeling to Biogeography," (http://hdl.handle.net/1928/10371, Doctoral Dissertation in Biology), Fall 2009.

TAKACS-VESBACH, C.D.

Kendra Mitchell, "Controls on Microbial Community Structure in Thermal Environments; Exploring Bacterial Diversity and the Relative Influence of Geochemistry and Geography," Spring.

TURNER, T.F.

Thomas L. Kennedy, "The Effects of Stream Discharge and Channelization on the Macroinvertebrate Community in a Semi-arid Landscape," Summer 2009.

Wade D. Wilson, "Salmonid Evolution Illuminated: Geographical Genetics, Immunity and Parasitism," Spring 2009.

WERNER-WASHBURNE, M.

Osorio Meirelles, "Association Algorithms in Flow Cytometry Datasets," Fall. Currently, a post-doctoral fellow at National Institute of Aging.

Sushmita Roy, in Computer Science, with distinction, "Learning Condition-specific Networks," Fall.

b. For any of your Ph.D. students (current and past), indicate the number of primary and the total number of middle-author papers based on work done in our graduate program that were published *in the last year*. We define "primary" as either first-author or senior author.

BERGTHORSSON, U.

None primary, one middle author.

BROWN, J.H.

Nine primary, three middle.

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COOK, J.A.

Three.

CRIPPS, R.M.

Three.

HANSON, D.T.

Four.

KODRIC-BROWN, A.

One.

LOWREY, T.K.

One.

MILLER, K.B.

Three primary, two middle authors.

MILLER, R.D.

Seven.

NATVIG, D.O.

One.

POE, S.

One.

SINSABAUGH, R.L.

Seven.

SMITH, F.A.

One.

SNELL, H.L.

Nine.

TAKACS-VESBACH, C.D.

Two primary, one middle authors.

THORNHILL, R.

One.

TURNER, T.F.

Two.

WAIDE, R.B.

One primary, no middle-author

WERNER-WASHBURNE, M.

Two primary.

c. For each of your *current* Ph.D. students, indicate the number of grants for which they applied, and list the number of grants awarded. Please limit your responses in this category to granting agencies *outside* of UNM.

BROWN, J.H.

Three awarded.

COLLINS, S.L.

One applied for, one awarded.

COOK, J.A.

Nine applied for, five awarded.

CRIPPS, R.M.

One applied for, one awarded.

HANSON, D.T.

Two applied for, none awarded.

KODRIC-BROWN, A.

Three applied for, one granted.

MILLER, K.B.

One applied, none awarded.

POE, S.

Four applied for, one awarded.

SINSABAUGH, R.L.

One applied for, none awarded.

SMITH, F.A.

Two applied for, two awarded.

SNELL, H.L.

Two applied for, one awarded.

THORNHILL, R.

One applied for, one awarded.

WAIDE, R.B.

Four applied for, one awarded.

WERNER-WASHBURNE, M.

Four applied for and awarded.

WITT, C.C.

Eight applied for, one granted.

3. Bona fide graduate courses taught each semester and the number of students enrolled. Indicate new courses (for you) with an asterisk.

ADEMA, C.M.

Spring: Biol. 582L, Parasitology, 2 students
Fall: Biol. 546L, Lab Methods in Molecular Biology, 3 students

BERGTHORSSON, U.

Spring: Biol. 537, Evolutionary Genetics, 4 students
Fall: Biol. 502, Topic: Genome Evolution, 1 student
* Biol. 510, Ecological and Evolutionary Genomics, 7 students (co-taught w/ S.L. Collins, V. Katju, and D.O. Natvig)
* Biol. 591, Population Genetics, 6 students (co-taught w/ V. Katju)

BROWN, J.H.

Spring: Biol. 503, Seminar in Interdisciplinary Biological and Biomedical Sciences (SiBBS), 15 students
Fall: Biol. 516, Basic Graduate Ecology, 25 students

CHARNOV, E.L.

Fall: Biol. 516, Basic Graduate Ecology, 16 students
Biol. 565, Sociobiology and Evolutionary Ecology, 6 students

COLLINS, S.L.

Spring: Biol. 523, Population and Community Ecology, Arizona State University, 2 students
Fall: Biol. 510, Ecological and Evolutionary Genomics, 7 students (co-taught w/ U. Bergthorsson, V. Katju and D.O. Natvig)
Biol. 514, Ecosystem Studies, 9 students

Biol. 516, Basic Graduate Ecology, 14 students (co-taught w/ J.H. Brown, F.A. Smith and B.O. Wolf)

COOK, J.A.

Spring: Biol. 561, Tropical Biology, 3 students

CUNNINGHAM, C.

Spring: Biol. 556, Immunology, 2 students

HANSON, D.T.

Fall: * Biol. 519, Environmental Monitoring, 5 students

KATJU, V.

Spring: Biol. 517, Basic Graduate Evolution, 14 students
Fall: Biol. 500, New Graduate Student Seminar, 23 students
Biol. 502, Evolutionary Genetics and Genomics, 1 student
* Biol. 510, Ecological and Evolutionary Genomics, 7 students
* Biol. 591, Population Genetics, 6 students

KODRIC-BROWN, A.

Spring: Biol. 502, Topic: Problems in Behavioral Ecology, 5 students
Biol. 517, Basic Graduate Evolution, 15 students
Biol. 599, Master's Thesis, 3 students
Fall: Biol. 521, Advanced Behavioral Ecology, 2 students
Biol. 502, Topic: Behavioral Problems, 3 students
Biol. 502, Topic: Graduate Ecology Seminar, 5 students

LITVAK, M.E.

Fall: Biol. 502, Topic: Global Change, 5 students

LOWREY, T.K.

Spring: Biol. 502, Topic: Plants and People, 2 students

MARSHALL, D.L.

Spring: Biol. 502, Topic: Plant Reproduction, 1 student
Fall: Biol. 502, Topic: Plant Ecology, 1 student

MILLER, R.D.

Fall: Biol. 556, Immunology, 6 students
Spring: Teaching release

MILNE, B.T.

Fall: Biol. 310, Principles of Ecology, 14 students

NATVIG, D.O.

Spring: Biol. 502, Biology of Fungi, 2 students

Fall: Biol. 546, Laboratory Methods in Molecular Biology, 3 students
Biol. 510, Evolutionary and Ecological Genomics, 6 students

POCKMAN, W.T.

Spring: Biol. 502, Topic: Physiological Ecology, 1 student
Biol. 571, Plant Physiological Ecology, 3 students
Fall: Biol. 502, Topic: Physiological Ecology, 2 students

SINSABAUGH, R.L.

Fall: Biol. 516, Graduate Ecology, 12 students
Biol. 551, Research Problems, 2 students

SMITH, F.A.

Spring: Biol. 502, Topic: Paleoecology, 4 students
Biol. 503, Seminar in Integrative Biology and Biomedical Science (SiBBs), 4 Biology students, ~15 graduate students, but more attended. (Gross-listed in five departments.)
Fall: Biol. 516, Basic Ecology Graduate, 14 students (Co-taught with J.H. Brown, S.L. Collins and B.O. Wolf)

SNELL, H.L.

Fall: Biol. 551, Research Problems, 1 student
Biol. 599, Masters Thesis, 1 student
Biol. 699, Dissertation, 2 students
Spring: Biol. 551, Research Problems, 1 student
Biol. 699, Dissertation, 2 students

TOOLSON, E.C.

Spring: Biol. 545, Biology of Toxins, 2 students
Fall: Biol. 592, Introductory Mathematical Biology, 6 students

TURNER, T.F.

Fall: Biol. 551, Research Problems, 3 students
Biol. 599, Masters Thesis, 1 student
Biol. 651, Advanced Field Biology, 1 student
Spring: Biol. 502, Topic: Ecology and Evolution of Fish, 3 students
Biol. 551, Research Problems, 1 student
Biol. 699, Dissertation, 2 students

WEARING, H.J.

Spring: Biol. 502, Topic: Mathematical/Theoretical Ecology (cross-listed as Math 439/679), 1 student

Fall: Biol. 500, New Graduate Student Seminar, 23 students (co-taught with V. Katju)
Biol. 502, Topic: Mathematical/Theoretical Ecology (cross-listed as Math 439/679), 3 students

WERNER-WASHBURNE, M.

Spring: Biol. 502, Topic: Teaching Discovery and Innovation, 3 students
Biol. 502, Topic: Initiatives to Maximize Student Diversity (IMSD), 1 student
Biol. 502, Topic: Frontiers in Genomics, 2 students
Fall: Teaching Release
Biol. 502, Topic: Biomedical Research, 4 students

WITT, C.C.

Spring: Biol. 502, Topic: Molecular Systematics Discussion, 3 students
*Biol. 517, Basic Graduate Evolution, 15 students
Fall: *Biol. 502, Topic: Museum Curatorial Methods, 5 students
Biol. 502, Topic: Molecular Systematics Discussion, 5 students

4. **Your service on graduate student committees, not as chair, *in semester oral exam was given.***

ADEMA, C.M.

Michelle Archuleta, Spring

BROWN, J.H.

Oskar Burger, Department of Anthropology, Spring 2009

John Delong, Spring 2009

Shawn Whiteman, Fall 2009

COLLINS, S.L.

Two.

COOK, J.A.

Craig George, University of Alaska–Fairbanks, Spring

CUNNINGHAM, C.

Trevor J. Krabbenhoft, Fall

HANSON, D.T.

Nathan Abrahamson, Spring
Juliana Medeiros, Fall

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HOFKIN, B.V.

Michelle Achuletta, Spring

KODRIC-BROWN, A.

Lauren Cleavall, Spring

LITVAK, M.E.

Sally Koerner, Spring

LOWREY, T.K.

Traci Gryzmala, M.S., Summer 2009

Julie McIntire, Ph.D., Fall 2009

MARSHALL, D.L.

Juliana Medeiros, dissertation defense, Fall.

MILLER, R.D.

Angela Hung, Fall
Wade Wilson, Spring

NATVIG, D.O.

Osorio Meirelles, Fall

POE, S.

Gino Nearns, Fall

SINSABAUGH, R.L.

Laura Green, Summer.

TAKACS-VESBACH, C.D.

Elisa Labeau and Ginny Morris

WEARING, H.J.

Osorio Meirelles, Fall

5. **Professional accomplishments and awards of your graduate students, *exclusive* of those on which you were a co-author or participant (e.g., foreign travel, papers presented, papers published, awards and grants received, etc.).**

BROWN, J.H.

Joseph R. Burger:
Burger, J.R., A.S. Chesh, R.A. Castro, L. Ortiz Tolhuysen, I. Torre, L.A. Ebensperger and L.D. Hayes. 2009. The influence of trap type on evaluating population structure of the semi-fossorial and social rodent *Octodon degus*. *Acta Theriologica* 54:311-320.

Hayes, L.D., A.S. Chesh, R.A. Castro, L. Ortiz Tolhuysen, J.R. Burger, J. Bhattacharjee and L.A. Ebensperger. 2009. Fitness consequences of group-living in the degu (*Octodon degus*), a plural breeder rodent with communal care. *Animal Behaviour* 78:131-139.

Ebensperger, L.A., A.S. Chesh, R.A. Castro, L. Ortiz Tolhuysen, V. Quirici, J.R. Burger and L.D. Hayes. 2009. Instability rules social groups in the communal breeder rodent *Octodon degus*. *Ethology* 115:540-554.

Burger, J.R., A.S. Chesh, R.A. Castro, L. Ortiz Tolhuysen, P. Muñoz, F. Fredes, L.A. Ebensperger and L.D. Hayes. 2009. Parasitism and fitness in the social South American rodent, *Octodon degus*. Presentation, 70th Annual Meeting of the Association of Southeastern Biologists, Birmingham AL, April 1-4, 2009.

Knowles, T.W., B.S. Arbogast, E.N. Vanderhoff, J.D. Camper, J.R. Burger, L. Soetens. 2009. Mammal inventory of a new wildlife sanctuary in Ecuador's tropical Andes hotspot. Presentation, 89th Annual Meeting of the American Society of Mammalogists, University of Alaska-Fairbanks, June 24-28, 2009.

Burger, J.R. 2009. Parasitism and fitness in the social rodent, *Octodon degus*. Invited talk, U.S.-South America Workshop on Intraspecific Variation and Social Systems, Pontificia Universidad Catolica de Chile, Santiago, Chile, August 8, 2009.

Burger, J.R., A.S. Chesh, R.A. Castro, L. Ortiz Tolhuysen, I. Torre, L.A. Ebensperger and L.D. Hayes. 2009. La influencia del tipo de trampa en la evaluacion de la estructura poblacional del roedor *Octodon degus* en Chile central. Presentation, IX Jornadas de la Sociedad Española para la Conservación y Estudio de Los Mamíferos. Bílbao, España,. December 4-7, 2009.

Bill Burnside:
Burnside, W. and J. Okie. 2009. Cultural ecogeography: Environmental determinants of hunter-gatherer geographic patterns. Presentation, 13th Anthropology Graduate Student Union Symposium, UNM, February 27-28, 2009.

Burnside, W.R., J. Okie, J. and Z. Phillips. 2009. A Bergmann's rule for social group size? Latitudinal variation in group size within terrestrial mammal species. Fourth Biannual Meeting of the International Biogeography Society, Mérida, Yucatán, México, January 8-12, 2009.

Ana Davidson:
Research Grant, U.S. Fish and Wildlife Service, $25,000.

Ceballos, G., R. List, A.D. Davidson, E. Fredrickson, R. Sierra, L. Martinez, J. Herrick and J. Pacheco. 2009. Grassland conservation in the borderlands: Understanding coupled human–ecological systems to achieve conservation goals. In *Conservation of Shared Environments: Learning from the United States and Mexico*, L. Lopez-Hoffman, R. Varady and K. Flessa, University of Arizona Press.

Skroch, M. and A.D. Davidson. 2009. Ecology and Conservation of the U.S.–Mexico Borderlands. Presentation, 10th Biennial Conference of Research on the Colorado Plateau, U.S.G.S., Southwest Biological Science Center, and the Society for Conservation Biology, Flagstaff AZ, October 2009.

Davidson, A.D. 2009. Interactive Effects of Small and Large Herbivores on the Structure of Grassland Ecosystems. Invited seminar, University of North Dakota, Grand Forks ND.

Fredrickson, E.L., G. Ceballos, R. List, N. Barajas, N. Sayre, J.O. Roacho, R. Sierra, E. Ponce, A.D. Davidson, A. Melgoza, C. Jaquez and G.A. Bezanilla. 2009. Linking biological conservation to healthy rural communities: A case history of the Janos Casas Grandes Biosphere Reserve. Annual Meeting of the Ecological Society of America, Albuquerque, NM, August 2-7, 2009.

Friggens, M., A.D. Davidson, D.C. Lightfoot and S.L. Collins. 2009. A reintroduction of Gunnison's prairie dogs to the Sevilleta National Wildlife Refuge. Poster, Annual Meeting of the Ecological Society of America, Albuquerque, NM, August 2-7, 2009.

Lightfoot, D.C., A.D. Davidson, E. Ponce, R. List and G. Ceballos. 2009. Influences of native prairie dogs and domestic cattle on the native grasshopper assemblages of a desert grassland. Invited Presentation, Annual Meeting of the Ecological Society of America, Albuquerque, NM, August 2-7, 2009.

Marcus Hamilton:
National Science Foundation Fellowship, $34,000+

Hamilton, M.J. and B. Buchanan. 2009. Archaeological and paleobiological problems with the case for the Younger Dryas extraterrestrial impact event. Invited commentary, *Journal of Cosmology* 2:415-417.

Buchanan, B. and M.J. Hamilton. 2009. A formal test of the origin of variation in North American Early Paleoindian points. *American Antiquity* 74(2):279-298.

Holliday, V.T., B.B. Huckell, R.H. Weber, M.J. Hamilton, W.R. Reitze and J.H. Mayer. 2009. Geoarchaeology of the Mockingbird Gap (Clovis) Site, Jornada del Muerto, New Mexico. *Geoarchaeology* 24(3):348-370.

Hamilton, M.J. and B. Buchanan. 2009. The accumulation of stochastic copying errors causes drift in culturally transmitted technologies. *Journal of Anthropological Archaeology* 28:55-69.

Baker, J., K. Hill, A.M. Hurtado, M. A. Frey, R.S. Walker and M.J. Hamilton. An Evaluation of the Utility of Anthropological Demographic Studies for Estimating Hunter–Gatherer Populations and Implications for the Measurement of Health Disparities. Presentation, 26th International Population Conference, The International Union for the Scientific Study of Population (IUSSP), Marrakech, Morocco, October 2, 2009.

Hamilton, M.J. 2009.Scaling Energy Use in Human Systems from Hunter–Gatherers to Nation States. Presentation, Annual Meeting of the Ecological Society of America, Albuquerque NM, August 4, 2009.

Hamilton, M.J. and B. Buchanan. 2009. Cultural Transmission as a Stochastic Process. Presentation, 74th Annual Meeting of the Society for American Archaeology, Atlanta GA, April 24, 2009.

Hamilton, M.J. 2009. Scaling Complex Human Systems. Santa Fe Institute Workshop, Santa Fe NM, February 23, 2009.

Jordan Okie:
Student Travel Grant, National Science Foundation/International Biogeography Society, $1,400.

Okie, J.G. 2009. Shifts in metabolic scaling across major evolutionary transitions of life. Talk, Department of Biology, UNM.

Sandel, B., L.J. Goldstein, N.J.B. Kraft, J.G. Okie, M.I. Shuldman, D.D. Ackerly, E.E. Cleland and K.N. Suding. 2009. Contrasting trait responses in plant communities to experimental and geographic variation in precipitation. Talk, Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Burnside, W., J.G. Okie, and Z. Phillips. 2009. A Bergmann's rule for social group size? Latitudinal variation in group size within terrestrial mammal species. Poster, Fourth Biannual Meeting of the International Biogeography Society, Mérida, Yucatán, México, January 8-12, 2009.

Wenyun Zuo:
A quantitative model of the effect of temperature on ontogenetic growth of ectotherms. Presentation, Annual Meeting of British Ecological Society, University of Hertfordshire, Hatfield, UK, September 8-10, 2009.

Food of life, Fire of life. Presentation, Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-9, 2009.

COLLINS, S.L.

Sally Koerner:
Awarded an Doctoral Dissertation Improvement Grant, National Science Foundation.

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COOK, J.A.

Brittany Barker:
Two talks.

Andrew Hope:

- Poster presentation, "Holarctic Shrews Provide a Tool for Investigating Rapid Evolution in Response to Environmental Change," Darwin Day Symposium, Department of Biology, UNM, February 2009.
- Talk, "A Variable Demographic History of the Holarctic Tundra Shrew (*Sorex tundrensis*). 10th International Mammal Congress, Mendoza, Argentina, August 2009.

Jason Malaney:

- Frey, J.K. and J.L. Malaney. 2009. Decline of the Meadow Jumping Mouse (*Zapus hudsonius luteus*) in two mountain ranges in New Mexico. *Southwestern Association of Naturalists.* 54(1):31-44.
- Talk, "Distribution Modeling and Statistical Phylogeography of the Western Jumping Mouse (*Zapus princeps*): Admixture vs. Vicariance." 10th International Mammal Congress, Mendoza, Argentina, August 2009.

Jolene Rearick:
Three-year National Science Foundation Graduate Fellowship.

CUNNINGHAM, C.

Reza Imani:
One paper published, one poster presentation.

HANSON, D.T.

Christopher Bickford:
Post-doctoral Fellowship, Landcare Research, NZ

Kathleen Chuchra-Zbytniuk:

- Grove Scholarship
- Springfield Scholarship

John DeLong:
Post-doctoral Fellowship, Yale University

Hugo Magana:
Published a sole-author paper in *Reviews in Fisheries Science*

Susan Mirabal:

- Grove Scholarship
- Travel award to the American Society of Plant Biologists meeting

KATJU, V.

Lijing Bu:

Bu, L., J. Xiao, L. Lu, G. Xu, J. Li, F. Zhao, X. Li and J. Wu. 2009. The repertoire and evolution of ATP-binding cassette systems in Synechococcus and Prochlococcus. *Journal of Molecular Evolution* 69:300-310.

KODRIC-BROWN, A.

Andrew Edelman:
Shadle Award, American Society of Mammalogists

Daniella Swenton:
Dissertation Improvement Grant, National Science Foundation

LOWREY, T.K.

Laura Boykin:
Postdoctoral Research Appointment, Lincoln University, Christchurch, New Zealand

Joanna Redfern:
Postdoctoral Research Appointment, Department of Biology, UNM

MARSHALL, D.L.

Angela England:
Landscape Use of the Greater Long-nosed Bat, Leptonycteris Nivalis, in Big Bend National Park, Texas. 2009. Presentation, the Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2009, and the North American Bat Symposium, Portland OR, October 2009.

MILLER, K.B.

Gino Nearns:

- With Mike Medrano , travelled to Ketchikan, Alaska and Prince Rupert, British Columbia for a collecting expedition.
- Visited the INBio collection in Costa Rica.
- With Traci Grzymala, attended the Southwestern Branch of the Entomological Society of America (ESA) Annual Meeting in Stillwater, OK. Both presentations won awards for best student presentations in their area.
- With Traci Grzymala, traveled to Chile for a collecting expedition.

POE, S.

Levi Gray:
International field work.

Ian Latella:
International field work; paper presented; poster presented.

Mason Ryan:
International field work; attended workshop; Undergraduate Opportunities (UnO) mentor.

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Eric Schaad:
International field work; paper presented; poster presented.

SINSABAUGH, R.L.

Jennifer Hathaway:
- Grove Summer Fellowship
- NM Space Grant Consortium

SMITH, F.A.

Dolly Crawford:
UNM Undergraduate Nurturing Opportunities (UNO) mentor for Justin Pichardo.

Crawford, Dolly. 2009. A Desert Runs Though It: Comparative Phylogeography of Three Rodent Taxa Across the Highlands of Mexico and the Southern United States. Travel grant from the International Biogeography Society, $1,300.

Ian Murray:
Murray, I.W. and B.O. Wolf. 2009. Exploring the nutritional ecology of the ornate box turtle in New Mexico via stable isotope analyses. Annual Conference of the Society of Integrative and Comparative Biology (SICB), Boston MA, January 3-7, 2009.

Murray, I.W. and B.O. Wolf. 2009. Exploring the nutritional ecology of the ornate box turtle in New Mexico via stable isotope analyses. Darwin Day Symposium, UNM, February 11, 2009.

UNM Undergraduate Nurturing Opportunities (UNO) mentor for Justin Pichardo.

UNM undergraduate mentor for Diego Duran.

Outreach Guest Lecture, Laguna Pueblo Middle School, March 2009.

Outreach Guest Lecture, Sevilleta Long Term Ecological Research (LTER) Summer Seminar Series, July 2009.

Shawn (Fred) Whiteman:
Honorable Mention for the Deevey Award (for excellence in a student presentation in paleoecology), Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2009.

Whiteman, S. 2009. A Tale of Two Continents: Body Size, Ecology, and the Great American Biotic Interchange. Travel grant from the International Biogeography Society, $1,300.

SNELL, H.L.

J. Tomas Giermakowski:
Ryan, M.J., K.R. Lips and J.T. Giermakowski. (In press, 2010). A new species of *Pristimantis* (Anura:Terrana: Strabomantinae) from lower Central America. *Journal of Herpetology*.

Ryan, M.J., J.M. Savage, K.R. Lips and J.T. Giermakowski. (Accepted, 2010.) A new species of *Craugastor* (Anura: Craugastoridae) of the rugulosus species series from west-central Panama. *Copeia*.

TURNER, T.F.

Kennedy, Thomas L.:

- Kennedy, T.L., L.A. Horth, D.E. Carr. 2009. The effects of nitrate loading on the invasive macrophyte *Hydrilla verticillata* and two common, native macrophytes in Florida. *Aquatic Botany* 91:253-256.
- Kennedy, T.L., D.S. Gutzler and R.L. Leung. 2009. Predicting future threats to the long-term survival of Gila trout using a high-resolution simulation of climate change. *Climatic Change* 94:503-515.

Krabbenhoft, Trevor J.:

- Krabbenhoft, T.J., M.L. Collyer and J.M. Quattro. 2009. Differing evolutionary patterns underlie convergence on elongate morphology in endemic fishes of Lake Waccamaw, North Carolina. *Biological Journal of the Linnean Society* 98:636-645.
- Renshaw, M.A., E.W. Carson, A.H. Hanna, C.E. Rexroad, T.J. Krabbenhoft and J.R. Gold. 2009. Microsatellite markers for species of the genus *Dionda* (Cyprinidae) from the American southwest. *Conservation Genetics* 10:1569-1575.
- Krabbenhoft, T.J., F.C. Rohde and J.M. Quattro. 2009.Threatened fishes of the world: *Fundulus waccamensis* (Hubbs and Raney, 1946) (Fundulidae). *Environmental Biology of Fishes* 84:173-174.

Pilger, Tyler J.:

- Dodds, W.K., W.W. Bouska, J.L. Eitzmann, T.J. Pilger, K.L. Pitts, A.J. Riley, J.T. Schloesser, D.J. Thornbrugh. 2009. Eutrophication of U.S. freshwaters: Analysis of potential economic damages. *Environmental Science and Technology* 43:12-19.

WAIDE, R.B.

Brittany Barker:
Barker, B.S., P.C. Phillips and S.J. Arnold. In press. A test of the conjecture that G-matrices are more stable than B-matrices. *Evolution*.

Research Project and Travel Grant (RPT) Office of Graduate Studies, UNM, $1,000.

Grove Summer Research Scholarship, Department of Biology, UNM, $1,000.

Society for the Study of Amphibians and Reptiles (SSAR) Grants in Herpetology, $500.

Montoya, A. and B.S. Barker. 2009. Testing biogeographic hypotheses in a Puerto Rican frog, *Eleutherodactylus antillensis*: Integrating distribution models and phylogeography. Poster presentation, 18th Annual Research Day, Department of Biology, UNM, April 10, 2009.

Mentored Vani Aran (J. Cook Lab), Biology Honors.

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WERNER-WASHBURNE, M.

Sushmita Roy:
Ph.D. in Computer Sciences; Outstanding Graduate Student, Dept. of Computer Science, UNM, 2009; post-doctoral position in computational biology at MIT/Broad; fifteen papers thus far from thesis work; awarded "2009 Computing Innovation Fellow" from the Computing Research Association; attended the RECOMB Regulatory Genomics; RECOMB Systems Biology and DREAM4 Reverse Engineering Challenges, December 2-6, 2009.

WITT, C.C.

Elizabeth Beckman:
Ornithological Field Expedition to Peru, December 2009–January 2010.

Fred Benham:
Chapman Memorial Fund Grant, $2,200.
Student Membership Grant, Cooper Ornithological Society
Ornithological Field Expedition to Peru, December 2009–January 2010.

Shane Dubay:
Chapman Memorial Fund Grant, $2,200.
Ornithological Field Expedition to Peru, December 2009–January 2010.

Michael Lelevier:
Chapman Memorial Fund Grant, $2,200.
Ornithological Field Expedition to Peru, December 2009–January 2010.

Natalie Wright:
Ornithological Field Expedition to Peru, December 2009–January 2010.
Talk, "Evolution of Birds on Trinidad and Tobago," Brown Bag Series, UNM, Fall.
Talk, "Evolution of Birds on Trinidad and Tobago," American Ornithologists' Union Meeting, Philadelphia PA, August.

B. Undergraduate Education.

1. *Bona fide* undergraduate courses taught each semester and the number of students enrolled. Indicate new course (for you) with an asterisk.

ADEMA, C.M.

Spring: Biol. 582L, Parasitology, 10 students
Fall: Biol. 546L, Lab Methods in Molecular Biology, 12 students

BERGTHORSSON, U.

Spring: Biol. 437, Evolutionary Genetics, 22 students
Fall: *Biol. 410, Ecological and Evolutionary Genomics, 4 students (co-taught w/ S.L. Collins, V. Katju, and D.O. Natvig)
*Biol. 491, Population Genetics, 14 students (co-taught w/ V. Katju)

COLLINS, S.L.

Spring:	Biol. 423, Population and Community Ecology, Arizona State University, 15 students
Fall:	Biol. 410, Ecological and Evolutionary Genomics, 4 students (co-taught w/ U. Bergthorsson, V. Katju and D.O. Natvig)

COOK, J.A.

Spring:	Biol. 461, Introduction to Tropical Biology, 15 students
Fall:	Biol. 489, Mammalogy, 10 students

COUCH, L.

Fall:	Biol. 239L, Microbiology for Health Sciences & Non-Majors, 140 students
Spring:	Biol. 239L, Microbiology for Health Sciences & Non-Majors, 160 students

COUNCIL-GARCIA, C.L.

Spring:	Biol. 112L, Biology for Non Majors Lab, 72 students
	Biol. 124L, Biology for Health Science Majors Lab, 384 students
	Biol. 201L, Cell Biology Discussion, 408 students
	Biol. 202L, Genetics Lab, 216 students
	Biol. 203L, Ecology and Evolution Lab, 240 students
	Biol. 204L, Plant and Animal Form and Function Lab, 240 students
Summer:	Biol. 124L, Biology for Health Science Majors Lab, 72 students
	Biol. 201L, Cell Biology Discussion, 72 students
	Biol. 202L, Genetics Lab, 48 students
Fall:	Biol. 112L, Biology for Non Majors Lab, 96 students
	Biol. 124L, Biology for Health Science Majors Lab, 384 students
	Biol. 201L, Cell Biology Discussion, 408 students
	Biol. 202L, Genetics Lab, 216 students
	Biol. 203L, Ecology and Evolution Lab, 240 students
	Biol. 204L, Plant and Animal Form and Function Lab, 240 students

CUNNINGHAM, C.

Spring:	Biol. 456, Immunology, 93 students
	Biol. 499, Undergraduate Problems, 1 student
Fall:	Biol. 201, Molecular and Cell Biology, 356 students
	Biol. 499, Undergraduate Problems, 1 student

FARNSWORTH, P.A.

Spring:	Biol. 110, Biology for Non-majors, 282 students (2 sections)
Fall:	Biol. 110, Biology for Non-majors, 247 students (2 sections)

FRIDRICK, C.O.

Spring:	Biol. 123, Biology for Non-majors, 202 students (two sections)
Fall:	Biol. 123, Biology for Non-majors, 250 students (three sections)

716

HANSON, D.T.

Fall: *Biol. 419, Environmental Monitoring, 6 students

HOFKIN, B.V.

Spring: Biol. 201, Molecular and Cell Biology, 338 (two sections; co-taught with K.A. Howe)
Biol. 450-001, General Virology, 30 students

Fall: Biol. 201, Molecular and Cell Biology, 364 students (two sections; co-taught with C. Cunningham)
Biol. 202, Genetics, 212 students (two sections; co-taught with K.A. Howe)
Biol. 371, Invertebrate Zoology 12 students
Biol. 490, Biology of Infectious Organisms, 81 students

HOWE, K.A.

Fall: Biol. 202, Genetics, 212 students (two sections; co-taught with B.V. Hofkin)
Biol. 429, Molecular Cell Biology, 20 students
Biol. 497, Principles of Gene Expression, 20 students

Spring: Biol. 123, Biology for Health-related Sciences, 132 students
Biol. 201, Molecular Cell Biology, 338 students (two sections; co-taught with B.V. Hofkin)

KATJU, V.

Spring: *Biol. 202, Genetics, 109 students
Biol. 402, Evolutionary Genetics and Genomics, 1 student

Fall: *Biol. 410, Ecological and Evolutionary Genomics, 11 students
*Biol 491, Population Genetics, 22 students

KODRIC-BROWN, A.

Spring: Biol. 455, Ethology/Animal Behavior, 46 students
Fall: Biol. 499, Undergraduate Problems, 1 student

LITVAK, M.E.

Fall: Biol. 402, Topic: Global Change, 9 students
Spring: Biol. 204, Plant and Animal Form and Function, 180 students (co-taught with E.C. Toolson)

LOKER, E.S.

Fall: Biol. 490, Biology of Infectious Organisms, 81 students

LOWREY, T.K.

Spring: Biol. 402, Plants and People, 14 students
Summer: NTSC (Natural Science) 400, Field Botany, 7 students
Fall: Biol. 463, Flora of New Mexico, 9 students

MARSHALL, D.L.

Fall:	Biol. 360, General Botany, 20 students
	Biol. 402, Topics in Plant Ecology, 1 student

MILLER, K.B.

Spring:	Biol. 485, Entomology, 13 students
Fall:	Biol. 203, Ecology and Evolution, 202 students

NATVIG, D.O.

Spring:	Biol. 402, Biology of Fungi, 14 students
Fall:	Biol. 446, Laboratory Methods in Molecular Biology, 12 students
	*Biol. 410, Evolutionary and Ecological Genomics, 5 students

POCKMAN, W.T.

Spring:	Biol. 471, Plant Physiological Ecology, 4 students
Fall:	Biol. 204, Plant and Animal Form and Function, 176 students
	Biol. 499, Undergraduate Problems, 1 student

POE, S.

Fall:	Biol. 488, Herpetology, 19 students

SHANER, M.G.

Spring:	Biol. 123, Biology for Health-related Sciences, 260 students
Fall:	Biol. 123, Biology for Health-related Sciences, 350 students

SINSABAUGH, R.L.

Fall:	Biol. 351, Microbiology, 100 students
Summer:	Biol. 400, Senior Honor's Thesis, 1 student

SMITH, F.A.

Spring:	Biol. 402, Topic: Paleoecology (TiP), 6 students

SNELL, H.L.

Spring:	Biol. 379, Conservation Biology, 61 students
Fall:	Research Semester

STRICKER, S.A.

Spring:	Biol. 412, Developmental Biology, 80 students
Fall:	Biol. 416, Histology, 40 students

SWAN, J.

Spring:	Biol. 237, Human Anatomy and Physiology I, 339 students (2 sections)
	Biol. 238, Human Anatomy and Physiology II, 258 students (2 sections)
Summer:	Biol. 237, Human Anatomy and Physiology I, 79 students (2 sections)

Biol. 238, Human Anatomy and Physiology II, 42 students (1 sections)
Fall: Biol. 237, Human Anatomy and Physiology I, 330 students (2 sections)
Biol. 238, Human Anatomy and Physiology II, 246 students (2 sections)

TAKACS-VESBACH, C.D.

Spring: Biol. 351, General Microbiology, 116 students

THORNHILL, R.

Spring: Biol. 203-001, Ecology and Evolution, 193 students (two sections)
Biol. 402-002, Topic: Human Sexuality, 10 students
Fall: Biol. 365, Evolution of Human Sexuality, 88 students

TOOLSON, E.C.

Spring: Biol. 204, Plant and Animal Structure and Function, 175 students
Biol. 402, Topic: Ecology Seminar, 5 students
Biol. 445, Biology of Toxins, 97 students
Fall: A&S 198 (Freshman Learning Community course), Biology of Toxins, 22 students
Biol. 435, Animal Physiology, 12 students
Biol. 492, Introductory Mathematical Biology, 7 students

TURNER, T.F.

Spring: Biol. 400, Senior Honors Thesis, 1 student
Biol. 402, Topic: Ecology and Evolution of Fish, 6 students
Biol. 487, Ichthyology, 14 students
Fall: Biol. 386, General Vertebrate Zoology, 32 students
Biol. 386L, General Vertebrate Zoology Lab, 32 students
Biol. 400, Senior Honors Thesis, 2 students
Biol. 499,Undergraduate Problems, 2 students

WEARING, H.J.

Fall: *Biol. 203, Ecology and Evolution, 215 students
Biol. 402, Topic: Mathematical/Theoretical Ecology (cross-listed as Math 439/679), 1 student
Spring: Math 181 (special section), Elements of Calculus II for the Life Sciences, 18 students
*Math 316, Applied Ordinary Differential Equations, 37 students
Biol. 402, Topic: Mathematical/Theoretical Ecology (cross-listed as Math 439/679), 1 student

WERNER-WASHBURNE, M.

Spring: Biol. 402, Topic: Teaching Discovery and Innovation, 1 student
Biol. 402, Topic: Initiatives to Maximize Student Diversity (IMSD), 4 students
Biol. 402, Topic: Frontiers in Genomics, 12 students
Biol. 402, Topic: Biomedical Research II, 22 students

Fall: teaching release
Biol. 402, Topic: Biomedical Research, 23 students

WITT, C.C.

Spring: Biol. 402, Topic: Molecular Systematics Discussion, 1 student
Biol. 402, Topic: Avian Specimen Preparation, 3 students
Biol. 300, Evolution, 48 students
Fall: Biol. 486L, Ornithology, 16 students (co-taught with B.O. Wolf)
*Biol. 402, Topic: Museum Curatorial Methods, 1 student

WOLF, B.O.

Fall: Biol. 204L, Plant and Animal Structure and Function, 176 students (two sections; co-taught with W.T. Pockman)
Biol. 486L, Ornithology, 16 students (co-taught with C. Witt)

2. **Number of undergraduates who performed research under your supervision in the last year.**

ADEMA, C.M.

Three.

BERGTHORSSON, U.

Two.

COLLINS, S.L.

One.

COOK, J.A.

Six.

CRIPPS, R.M.

Ten.

CUNNINGHAM, C.

Two.

HANSON, D.T.

Five.

HOFKIN, B.V.

One.

KATJU, V.

Three.

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KODRIC-BROWN, A.

One.

LITVAK, M.E.

Four.

LOKER, E.S.

One.

LOWREY, T.K.

One.

MARSHALL, D.L.

One.

MILLER, K.B.

12.

MILLER, R.D.

Two.

NATVIG, D.O.

Two.

POCKMAN, W.T.

Four.

POE, S.

Two.

SINSABAUGH, R.L.

Two.

SMITH, F.A.

Two.

SNELL, H.L.

Five.

STRICKER, S.A.

Six.

SWAN, J.

Two.

TAKACS-VESBACH, C.D.

Five.

THORNHILL, R.

Six.

TOOLSON, E.C.

One.

TURNER, T.F.

12.

WEARING, H.J.

Three.

WERNER-WASHBURNE, M.

25.

WITT, C.C.

Nine.

WOLF, B.O.

Two.

3. **Number of undergraduates who attended local or national scientific conferences in the last year.**

COOK, J.A.

Eight.

CRIPPS, R.M.

Six.

CUNNINGHAM, C.

One.

HANSON, D.T.

One.

HOFKIN, B.V.

One.

KATJU, V.

One.

LOWREY, T.K.

One.

MILLER, K.B.

Three.

POE, S.

Two.

SINSABAUGH, R.L.

One.

SMITH, F.A.

Two.

STRICKER, S.A.

Three.

SWAN, J.

Four.

TAKACS-VESBACH, C.D.

Five.

TURNER, T.F.

Seven.

WEARING, H.J.

Two.

WITT, C.C.

One.

4. **Number of undergraduates who received local or national awards (travel awards, scholarships, presentation awards).**

CRIPPS, R.M.

Two.

HANSON, D.T.

One.

HOFKIN, B.V.

One.

KATJU, V.

One.

MILLER, K.B.

Two.

POE, S.

Two.

SMITH, F.A.

One.

SWAN, J.

One.

TAKACS-VESBACH, C.D.

Four.

TURNER, T.F.

Two.

WEARING, H.J.

One.

WITT, C.C.

One.

5. **Number of undergraduates graduating with Biology Honors based upon a project under your supervision.**

CUNNINGHAM, C.

One.

STRICKER, S.A.

One.

TAKACS-VESBACH, C.D.

Two.

THORNHILL, R.

Two.

TURNER, T.F.

One.

6. **Number of undergraduates in your program who were co-authors on peer-reviewed papers in the last year.**

COLLINS, S.L.

One.

COOK, J.A.

One.

CRIPPS, R.M.

Three.

CUNNINGHAM, C.

One.

SMITH, F.A.

Two.

STRICKER, S.A.

One.

THORNHILL, R.

One.

WOLF, B.O.

One.

C. Teaching Awards.

BROWN, J.H.

Linnaeus Lecture, University of Uppsala, Oslo, Norway.

Alumni Distinguished Lecture, University of Kansas, KS.

HOFKIN, B.V.

Voted "Third Best Professor at UNM" in the *Daily Lobo*'s annual "Lo Mejor Awards," November 2009.

D. Curriculum Development/Production of Teaching Materials.

ADEMA, C.M.

For Biol. 446L/546L:

- 10-seat loaner license Sequencher (GC codes, MI)
- effected maintenance on adjustable micropipets
- recommended to Dr. M. Warner-Washburn apply for American Recovery and Reinvestment Act (ARRA) of 2009 funds for new computers, arranged and effected set-up of these new computers.

COOK, J.A.

As Undergraduate Nurturing Opportunities (UnO) Program Director, organized and led undergraduate research program with 17 students place in 11 different labs, taught one-credit seminar related to this grant each semester.

FARNSWORTH, P.A.

Instituted a program, using Title V funding, of Peer Learning Facilitators (PLFs), undergraduate students who assist instructors to effectively implement active learning in large-enrollment classes. PLFs work with small groups of learners to support the successful completion of in-class assignments or to lead small-group in-class discussions that actively engage students in learning. Other tasks include writing test, quiz and clicker questions, designing handouts and PowerPoint® slides on classroom materials, providing feedback on assignments to students and feedback to the instructor on areas of confusion for students, and acting as liaisons between the instructor and students. PLFs enable instructors to use active-learning techniques that would otherwise be precluded by a large class size. They also help to keep students "on task," and help facilitate learning at the individual level. Student surveys have indicated that they like the active engagement of assignments in class and the help from their PLFs. The use of active-learning techniques in my classrooms has improved student attendance, student participation, student attitudes and produced learning gains. This has resulted in a whole letter-grade improvement in average student scores.

HANSON, D.T.

Developed Biol. 419/519, Environmental Monitoring

Assisted with refining Biol. 204, Plant and Animal Form and Function

HOFKIN, B.V.

With Garland Science, co-developed a series of supplemental animations to an introductory microbiology text that I am publishing.

LOWREY, T.K.

Laboratory Manual for Field Botany, NTSC (Natural Science) 400, Field Botany.

SMITH, F.A.

Co-Director, Program in Integrative Biology and Biomedical Sciences (PIBBS); in collaboration with faculty from other departments, currently developing and implementing a series of three courses and a unified curriculum that ultimately will lead to a cross-departmental Ph.D. concentration in Integrative Biology.

SWAN, J.

Podcasts for anatomy lectures, case history development, PowerPoint® presentations.

WERNER-WASHBURNE, M.

Established Biol. 299 for introducing biology majors to frontiers in biology and other important topics for undergraduate education.

E. Museum Curator, Advisor, Assistant Chair, EM Director, etc.

BROWN, J.H.

Director, Program in Interdisciplinary Biology and Biomedical Science (PIBBS)

COLLINS, S.L.

Director, Sevilleta Long Term Ecological Research (LTER) Program

COOK, J.A.

Director, Undergraduate Nurturing Opportunities (UnO) Program

Curator, Division of Mammals, Museum of Southwestern Biology

Interim Curator of Division of Genomic Resources, Museum of Southwestern Biology

CRIPPS, R.M.

Associate Chair, Department of Biology, UNM, January–June, 2009.

Chair, Department of Biology, UNM, June 2009–present.

HANSON, D.T.

Associate Curator, UNM Herbarium, Museum of Southwestern Biology

HOFKIN, B.V.

Undergraduate Pre-veterinary Advisement

LOKER, E.S.

Chair, Department of Biology, UNM, January–July, 2009.

Director, Center for Evolutionary and Theoretical Immunology (CETI)

Acting Curator, Parasite Division, Museum of Southwestern Biology, UNM

LOWREY, T.K.

Curator, UNM Herbarium, Museum of Southwestern Biology

Associate Chair, Department of Biology, UNM, June 30, 2009–present.

MILLER, K.B.

Curator, Division of Arthropods, Museum of Southwestern Biology (MSB).

Faculty Undergraduate Advisor

Biology Undergraduate Society (BUGS) Faculty Sponsor

MILLER, R.D.

Director, Molecular Biology Facility

Co-director, Center for Evolutionary and Theoretical Immunology (CETI)

MILNE, B.T.

Director, Sustainability Studies Program

NATVIG, D.O.

Director, UNM Long Term Ecological Research (LTER) Sevilleta Field Station, Socorro NM

POCKMAN, W.T.

Associate Chair, Department of Biology, UNM, July–present

POE, S.

Associate Curator, Division of Amphibians and Reptiles, Museum of Southwestern Biology, Department of Biology, UNM.

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SHANER, M.G.

Undergraduate Academic Advising, Spring and Fall

SNELL, H.L.

Curator, Division of Amphibians and Reptiles, Museum of Southwestern Biology

Advisor, Conservation Biology Degree Concentration

SMITH, F.A.

Co-Director, Program in Integrative Biology and Biomedical Sciences (PIBBS); work closely with ~15 graduate students from various departments on campus.

Faculty mentor in the Undergraduate Nurturing Opportunities (UNO) Program.

STRICKER, S.A.

Associate Chair, Department of Biology, UNM, Spring.

Director, Microscopy Facility

TOOLSON, E.C.

Undergraduate Advisor

TURNER, T.F.

Director, Museum of Southwester Biology (MSB)

Curator, Division of Fishes, Museum of Southwestern Biology

WAIDE, R.B.

Director, Center for Research Excellence in Science and Technology (CREST), UNM.

WERNER-WASHBURNE, M.

Director, Initiatives to Maximize Student Diversity (IMSD) Program

WITT, C.C.

Curator, Division of Birds, Museum of Southwestern Biology, UNM (see MSB Annual Report)

F. **Mentoring. Please list names of undergraduates (with or without Biol. 400 or 499 credit) or non-UNM students you mentored this year. Indicate the period of mentoring, program (if any), Honor's thesis, etc.**

ADEMA, C.M.

Devaraj Aran, UNM student, volunteer lab project mitochondrial sequencing, February 17–December 31, 2009.

Hagit Salamon, UNM student, volunteer lab project mitochondrial sequencing, February 17–December 31, 2009.

Amanda Watson, UNM student, volunteer lab project mitochondrial sequencing, February 17–December 31, 2009.

BERGTHORSSON, U.

Catherine Geisik, September–December 2009
Jason Marquardt, June–December 2009

COLLINS, S.L.

The P.I. on an Research Experiences for Undergraduates (REU) Sites award that supported 11 undergraduate students conducting independent research at the Sevilleta LTER during the summer of 2009.

COOK, J.A.

Vani Aran, Honor's student, January 1–December 31, 2009

David Banks-Richardson, UnO Program, worked in molecular genetic lab and museum, January 1 –October 1, 2009

Hiyatsi Bassett, UnO Program, museum project, June 1–December 31, 2009

Eudora Claw, UnO Program, worked in molecular genetics lab, January 1–June 1, 2009

Victoria Corvino, UnO Program, worked in museum and molecular genetics lab, January 1–December 31, 2009

Randle McCain, UnO Program, worked in museum and fieldwork in Alaska, January 1–December 31, 2009

Kelly Speer, UnO Program, worked in molecular genetics lab, January 1–December 31, 2009.

CRIPPS, R.M.

Melanie Adams, MARC, August 1, 2007–August 1, 2009

Carmelita Jaramillo, MARC, May 1–December 31, 2009

Thai Lee, IMSD, August 1, 2007–May 1, 2009

Melody Martinez, IMSD, May 1–December 31, 2009

Alex Mason, February 2–December 2009

Ashley Montoya, work-study, August 1, 2008–December 31, 2009

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Faynessa Mott, student employment, January 1–December 31, 2009
Cloyce Nelson, student employment, May 1, 2008–December 31, 2009

Sandy Nguyen, work-study, August 1–December 31, 2009

CUNNINGHAM, C.

Brad Tonnessen, Biol. 400, Senior Honors Thesis, August 24–December 19, 2009

FARNSWORTH, P.A.

Mentored eight undergraduates as part of the Peer Learning Facilitator (PLF) Program.

HANSON, D.T.

Dani McCade, independent research, January 15–December 31, 2009

Nichole Neff, independent research, January 1–December 31, 2009

Dianne Pater, honors research, summer undergraduate research fellowship American Society of Plant Biologists, January 1–December 31, 2009

Rachel Powell, independent research, January 1–December 31, 2009

Nathaniel Wiest, Honors research, January 15–December 31, 2009

HOFKIN, B.V.

Jacob Greenberg, "Vector Biology of Mosquitoes Transmitting West Nile Virus," Minority Access to Research Careers (MARC) Program, January 1–December 31, 2009.

KATJU, V.

Lucille Packard, undergraduate research assistant, December 1-31, 2009.

Hallie Rane, Undergraduate Honor's Program & UnO Program; January 1–December 31, 2009.

Benjamin Stanley, undergraduate research assistant, December 1-31, 2009.

KODRIC-BROWN, A.

Audrey Wilson, behavioral studies of Pupfish mating, May 15–December 12, 2009.

LITVAK, M.E.

Maxine Paul, Columbia University, Research Experience for Undergraduates (REU) student in Sevilleta REU Program, Summer 2009.

LOKER, E.S.

Jason Leonard, Biol. 499, Undergraduate Problems, Fall

Ioan Belovarski, informal advisor

LOWREY, T.K.

Margaret Garcia, January 1–May 15, 2009.

MARSHALL, D.L.

Lindsey Boren, Fall 2009–present.

MILLER, K.B.

- William Edelman, Initiatives to Maximize Student Diversity (IMSD) undergrad, Phylogenetics of Band Wing Grasshoppers, January 1–December 31.
- Erin Fenton, Phylogenetics of Prionine Cerambycidae (Coleoptera), August 1–December 31.
- Catherine Geisik, Phylogenetics of Embioptera, August 15–December 31.
- Alicia Hodson, Phylogenetics of Haploembia Embioptera, January 1–May 31.
- Emily Hodson, Museum Curatorial Techniques, January 1–December 15.
- Elizabeth Montoya, New Species of Diving Beetle Genus Fontidessus, August 15–December 31.
- Caroline Rempe, Phylogenetics of the Diving Beetle Genus Lancetes, August 15–December 31.
- Jessica Smith, Spiders of New Mexico, August 15–December 31.
- April Tafoya, Undergraduate Nurturing Opportunities (UNO) undergrad, Subterranean Diving Beetles, January 1–December 31.
- Nicole Telles, Minority Access to Research Careers (MARC) undergrad, Phylogenetics of Hydroporinae Diving Beetles, January 1–December 31.
- Rebecca Zalar, Phylogenetics of Bidessini Diving Beetles, October 1–December 31.

MILLER, R.D.

Keith Adams and Kevin Mitchell, Research Experience for Undergraduates (REU), January 1–December 31, 2009.

NATVIG, D.O.

Miriam Hutchinson, Biol.499, Undergraduate Problems (3 cr.), January 1–December 31, 2009.

Ashley, Talbot, January 1–December 31, 2009.

POCKMAN, W.T.

Trey Cole, lab research project, September 1–December 20, 2009.

Julie Glaser, lab research work, January 20–July 20, 2009.

POE, S.

Natalie Blea, McNair Scholar, January 1–December 31, 2009.

Julian Davis, McNair Scholar, January 1–December 31, 2009.

SINSABAUGH, R.L.

Johanna Byrd and Monica Moya, Honor's thesis reader.

SMITH, F.A.

Jessica Martin, an undergraduate in biology at UNM, Spring, Summer and Fall 2009. Currently, she is working on her Honor's thesis and is a participant in the Undergraduate Nurturing Opportunities (UNO) Program.

Justin Pichardo, an undergraduate in biology at UNM, Fall 2008–Spring 2009. He is a participant in the Undergraduate Nurturing Opportunities (UNO) Program.

SNELL, H.L.

Jenny Alsup, Material Analysis Ant-Mound Structure, June 1, 2008–December 15, 2010.

Raphaelita Bishara, Herpetology Fieldwork and Museum Collections, August 1, 2008–August 30, 2010.

Jobette Chour, Herpetology Fieldwork and Museum Collections, November 10, 2009–August 30, 2010.

Cassandra Wilson, Herpetology Fieldwork and Museum Collections, August 1, 2008–August 30, 2010.

STRICKER, S.A.

Lisa Fowles, Pooneh Soltani, Biol. 499, Undergraduate Problems, September 1, 2008–May 10, 2009.

Thanh Nuygen, Lee Swiderek, Biol. 499, Undergraduate Problems, September 1, 2009–May 10, 2009.

Wai Tsui, Biol. 499, Undergraduate Problems, January 15–May 10, 2009.

Hagit Salamon, Senior Honors, September 1, 2008–May 10, 2009.

TAKACS-VESBACH, C.D.

Carmela Carrasco, Spring, Summer and Fall, 2009
Dan Coleman, Spring, Summer and Fall, 2009
Shannon FitzPatrick, Honors, all of 2009
Stephanie Moquin, Honors, all of 2009
Ashley Reid, Spring, Summer and Fall, 2009

TOOLSON, E.C.

Dan Coleman

TURNER, T.F.

Raphaelita Bishara, Undergraduate Nurturing Opportunities (UNO) student
Nathan Daves-Brody, Research Experiences for Undergraduates (REU) student
Tracy Diver, Undergraduate Research Assistant
Jane Fencl, Honor's Thesis
Erica Johnson, Research Experiences for Undergraduates (REU) Student, Summer 2009–present
Lauren Kelbe, Undergraduate Research Assistant
Jennifer Kraus, Undergraduate Research Assistant
Corey Love, Research Experiences for Undergraduates (REU) student
Nichole Neff, *Biology Honors* Research
Alana Sharp, Undergraduate Research Assistant
Monica Tellez, Undergraduate Research Assistant
Jesse Trujillo, Undergraduate Nurturing Opportunities (UNO) Student, Fall 2009

WEARING, H.J.

Sandra Baldridge, Computer modeling of genetic mutations in human respiratory syncytial virus, January 1–May 8, 2009.

Bobby Sena, Stochastic modeling of ion channels in neurons, August 25–December 31, 2009.

Alex Washburne, Mathematical modeling of lytic and lysogenic virus life cycles, January 1–December 31, 2009.

WERNER-WASHBURNE, M.

Marissa Anderson
Eric Arellano
Taylor Canady
Robert Castillo
Daniel Chee
Giuliana DiPiazza
Cassandra Garner
Antonio Gonzales
Lory Henderson
Jason Kimble
Xavier De Leon
Melody Martinez
Monica Rose Mascaranes
Dianne Pater
Rebecca Pfeiffer
LaRae Platero
Joseph Sanchez
Monica Sandoval
Anna Vestling
Eli Weber
Doug Whalen
Melissa Wilson

On the supplement:
Andrew Ah Young
Ivy Brown
Christine Chee
Pablo de la Iglesia
Anne Dodson
Billy Edelman
Margaret Garcia
Anne Hellebust
Amelia Hilgart
Thai Lee
Ari Munoz
Charles Sanchez

Benn Ediger (Univ. of Penn)
Adrienne Greene (UC–Berkeley)
Leanne Lovato (Univ. of Rochester)

WITT, C.C.

Gerald Bustos, UNM Student, DNA Sequencing of Birds of Peru, Spring.
Michael Hilchey, UNM Student, Plumage Variation in the Rosy Finch, January–December.
Matthew Jones, UNM Student, Vocalizations of Sandhill Crane Subspecies, Fall–present.
Angelica Portillo, UNM Student, Red Blood Cell Concentration in Birds, Spring.
Alessandra Quinonez, University of Peruana Cayetana-Heredia, Phylogeography of the Collared Inca Hummingbird, January–December.
C. Jonathan Schmitt, UNM Student, Phylogeography of the Tropical Andes, January–December.
Jessica Smith, UNM Student, Topics in Avian Ecotoxicology, Fall.
Sara Swiderek, UNM Student, Red Blood Cell Concentration in Birds, Summer.
Raymond Vanbuskirk, UNM Student, Plumage Variation in the Rosy Finch, January–December.
Doug Whalen, UNM Student, Avian Malaria in the Tropical Andes, January–December.
Geneva Williams, UNM Student Heart Morphology in High altitude Birds, January–December though graduated in May.

WOLF, B.O.

Diego Duran
Justin Schmidt

G. Other Teaching Activities.

LOKER, E.S.

One-hour presentation to visiting Johns Hopkins University students, August 14, 2009

Postdoc and research faculty mentoring:

- Coenraad Adema
- Sara Brant
- Ben Hanelt
- Patrick Hanington
- Michelle Steinauer
- Bo Wang
- Si-Ming Zhang

MILLER, R.D.

Ph.D. thesis external examiner for Department of Zoology, University of Melbourne: Joly Hui Leng Kwek, "Characterisation of the Tammar Wallaby (*Macropus eugenii*) Forestomach During Pouch Young Development," April 2009.

Ph.D. thesis external examiner for University of Tasmania: Alexandre Kreisse, "The Immune Responses of the Tasmania Devil (*Sarcophilus harrisii*) and the Devil Facial Tumour Disease," May 2009.

Ph.D. thesis external examiner for Department of Biological Sciences, Macquarie University, Sydney, Australia: Kim Ly Chhour, Investigations into the Microbiome of the Tammar Wallaby (*Macropus eugenii*)," November 2009.

NATVIG, D.O.

Annette Evangelisti, Biol. 699, Dissertation (9 cr), Fall
Christopher Kitchen, Biol. 551, Research Problems, Summer (6 cr.) and Fall (12 cr.)

SWAN, J.

Coordination of Biol. 237L and 238L labs and lab T.A.s.

TAKACS-VESBACH, C.D.

"Looking for Life in Extreme Environments," Short Course in the Masters of Science Science Education Program, Montana State University, July 2009.

TURNER, T.F.

Dissertation Outside Reviewer, Griffith University, Brisbane Australia (1)

WITT, C.C.

Spring: Guest Lecture, Biol. 461L/561, Introduction to Tropical Biology/Tropical Biology

Faculty mentor to UNM Birding Club

Coordinated and/or led six field expeditions in Peru during 2009, with 14 total participants, including both Peruvian and American students.

II. PUBLICATIONS.

A. Books Authored.

COOK, J.A.

MacDonald, S.O. and J.A. Cook. 2009. *Recent Mammals of Alaska*. Fairbanks, AK: University of Alaska Press.

COUNCIL-GARCIA, C.L.

Council-Garcia, C.L., N.J. Abrahamson and A.G. Ortiz. 2009. *Lab Manual For Biology 204L: Plant and Animal Form and Function*. Pearson Custom Publishing, Boston, MA.

CRIPPS, R.M.

Guest lecture in Ursula Shepherd's Honors course.

FARNSWORTH, P.A.

Laboratory Investigations in Biology, 8th Ed. 2009. Hayden McNeil, 'Labs on Line,' Macmillan Press, www.biologylab.awlonline.com.

SWAN, J.

Swan, J. 2009. *Human Anatomy and Physiology for the Health Sciences*, Vol. 1, 2nd Ed. Pearson, San Francisco, CA.

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Swan, J. 2009. *Human Anatomy and Physiology for the Health Sciences*, Vol. 2, 2nd Ed. Pearson, San Francisco, CA.

B. Books Edited.

FARNSWORTH, P.A.

Campbell, N.A. and J.B. Reese. 2009. *Biology*, 8th Ed. Benjamin Cummings.

C. Chapters in Books or Major Synthetic Reviews.

LOKER, E.S.

Stout, B.A., C.M. Adema, S.-M. Zhang and E.S. Loker. 2009. Biology of FREPs: Diversified lectins with fibrinogen-related domains from the freshwater snail *Biomphalaria glabrata*. Chapter 32, pp. 475-491 in *Animal Lectins: A Functional View*, Gerardo R. Vasta and Hafiz Ahmed, eds. Boca Raton, FL: CRC Press.

LOWREY, T.K.

Crawford, D.J., T.K. Lowrey, G.J. Anderson, G. Bernardello, A. Santos-Guerra and T.F. Stuessy. 2009. Genetic diversity in the colonizing ancestors of Asteraceae endemic to oceanic islands: Baker's Law and polyploidy. Pp. 139-151 in *Evolution and Systematics of the Compositae*, V. Funk, T. Stuesssy, A. Susanna and R. Bayer, Eds. IAPT, University of Vienna.

Brouillet, L., T.K. Lowrey, L. Urbatsch, V. Karaman, G. Sancho , S. Wagstaff and J.C. Semple. 2009. Phylogeny and evolution of the Astereae (Asteraceae). Pp. 589-630 in *Evolution and Systematics of the Compositae*, V. Funk, T. Stuesssy, A. Susanna and R. Bayer, Eds. IAPT, University of Vienna.

Funk, V.A. *et al.* (50 co-authors). 2009. Compositae metatrees: The next generation. Pp. 747-777 in *Evolution and Systematics of the Compositae*, V. Funk, T. Stuesssy, A. Susanna and R. Bayer, Eds. IAPT, University of Vienna.

MILLER, R.D.

Wong, E.S.W., A.T. Papenfuss, R.D. Miller and K. Belov. 2009. Hatching time for monotreme immunology. *Australian Journal of Zoology*. Melbourne, Australia: CSIRO.

WERNER-WASHBURNE, M.

Werner-Washburne, M., S. Roy, and G.S. Davidson. Still waters run deep: Aging and the survival of quiescent and non-quiescent cells in stationary-phase cultures. In *Aging in Yeast*, 2010, Michael Breitenbach, ed.

D. Articles in Refereed Journals.

ADEMA, C.M.

Zhang S.-M., H. Nian, B. Wang, E.S. Loker and C.M. Adema. 2009. Schistosomin from the snail *Biomphalaria glabrata*: Expression studies suggest no involvement in trematode-mediated castration. *Molecular and Biochemical Parasitology* 165:79-86. PMID: 19393164.

Adema C.M., P.C. Hanington, C.M. Lun, G.H. Rosenberg, A.D. Aragon, B.A. Stout, M.L. Lennard-Richard, P.S. Gross and E.S. Loker. 2009. Differential transcriptomic responses of *Biomphalaria glabrata* (Gastropoda, Mollusca) to bacteria and metazoan parasites, *Schistosoma mansoni* and *Echinostoma paraensei* (Digenea, Platyhelminthes) *Molecular Immunology* 47:849–860. doi:10.1016/j.molimm.2009.10.019. PMID: 19962194.

Hathaway, J.J.M., C.M. Adema, B.A. Stout, C.D. Mobarak and E.S. Loker. 2009. Identification of protein components of egg masses indicates parental investment in immunoprotection of offspring by *Biomphalaria glabrata* (Gastropoda, Mollusca). *Developmental and Comparative Immunology* in press. doi:10.1016/j.dci.2009.12.001 PMID: 19995576.

BERGTHORSSON, U.

Nekola, J.C., B.F. Coles and U. Bergthorsson. 2009. Evolutionary pattern and process within the *Vertigo gouldii* (Mollusca: Pulmonata, Pupillidae) group minute of North American land snails. *Molecular Phylogenetics and Evolution* 54:1010-1024.

Katju, V., J.C. Farslow and U. Bergthorsson. 2009. Variation in gene duplicates with low synonymous divergence in *Saccharomyces cerevisiae* and *Caenorhabditis elegans*. *Genome Biology* 10:R75.

BROWN, J.H.

Okie, J.G., and J.H. Brown. 2009. Niches, body sizes, and the disassembly of mammal communities on the Sunda Shelf islands. *Proceedings of the National Academy of Sciences* 106:19679-19684.

Davidson, A.D., M.J. Hamilton, A.G. Boyer, J.H. Brown and G. Ceballos. 2009. Multiple ecological pathways to extinction in mammals. *Proceedings of the National Academy of Sciences* 106:1702-1705.

Zuo, W., M.E. Moses, C. Hou, W.H. Woodruff, G.B. West and J.H. Brown. 2009. Response to Comments on "Energy Uptake and Allocation During Ontogeny." *Science* 325:1206-c.

Hamilton, M.J., O. Burger, J. DeLong, R.S. Walker, M.E. Moses and J.H. Brown. 2009. Population stability, cooperation and the invasibility of the human species. *Proceedings of the National Academy of Sciences, USA* 106(30):12255-12260.

Enquist., B.J., G.B. West and J.H. Brown. 2009. Extensions and evaluations of a general quantitative theory of forest structure and dynamics. *Proceedings of the National Academy of Sciences, USA* 106(17):7046-7051.

West, G.B., B.J. Enquist. and J.H. Brown. 2009. A general quantitative theory of forest structure and dynamics. *Proceedings of the National Academy of Sciences, USA* 106 (17):7040-7045.

Payne, J.L., A.G. Boyer, J.H. Brown, S. Finnegan, M. Kowalewski, R.A. Krause, Jr., S.K. Lyons, C.R. McClain, D.W. McShea, P.M. Novack-Gottshall, F.A. Smith, J.A. Stempieni and S.C. Wang. 2009. Two-phase increase in the maximum size of life over 3.5 billion years reflects biological innovation and environmental opportunity. *Proceedings of the National Academy of Sciences, USA* 106(1):24-27.

Koontz, T.L., A. Petroff, G.B. West and J.H. Brown. 2009. Scaling Relations for a Functionally Two-Dimensional Plant: *Chamaesyce Setiloba* (Euphorbiaceae). *American Journal of Botany* 96(5):877–884.

Sibly, R.M. and J.H. Brown. 2009. Mammal reproductive strategies driven by offspring mortality-size relationships. *The American Naturalist* 173(6):E185–E199.

Ernest, S.K.M., E.P. White and J.H. Brown. 2009. Changes in a tropical forest support metabolic zero-sum dynamics. *Ecology Letters* 12:507–515.

CHARNOV, E.L.

Charnov, E.L. 2009. Optimal (plastic) life histories in growing versus stable populations. *Evolutionary Ecology Research* 11:983-987.

COLLINS, S.L.

Ravi, S., P. D'Odorico, S.L. Collins and T.E. Huxman. 2009. Can biological invasions induce desertification? *New Phytologist* 181:512-515.

Ravi, S., P. D'Odorico, L. Wang, C.S. White, G.S. Okin, S.A. Macko and S.L. Collins. 2009. Can fires mitigate land degradation at the desert margins? *Ecosystems* 12:434-444.

Porter, J.H., P.C. Hanson, E.S. Nagy, T.K. Kratz, S.L. Collins and P. Arzberger. 2009. New eyes on the world: Advanced sensors for ecology. *BioScience* 59:385-397.

Burns, C.A., S.L. Collins and M.D. Smith. 2009. Plant community response to loss of large herbivores in South African and North American grasslands. *Biodiversity and Conservation* 18:2327-2342.

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Buis, G.M., J.M. Blair, D.E. Burkepile, C.E. Burns, A.J. Chamberlain, P. Chapman, S.L. Collins, R.W.S. Fynn, N. Govender, K. Kirkman, M.D. Smith and A.K. Knapp. 2009. Controls of aboveground net primary production in mesic grasslands and savannas: An inter-hemispheric comparison. *Ecosystems* 12:982–995.

Collins, S.L. 2009. Biodiversity under global change. *Science* 326:1353-1354.

Smith, M.D., A.K. Knapp and S.L. Collins. 2009. Global change and chronic resource alterations: Moving beyond disturbance as a primary driver of contemporary ecological dynamics. *Ecology* 90:3279-3289.

COOK, J.A.

Koehler A.V.A., E.P. Hoberg, F. Torres-Pérez and J.A. Cook. 2009. A molecular view of the superfamily Dioctophymatoidea (Nematoda). *Comparative Parasitology* 76:100-104.

Koehler, A.V.A., E.P. Hoberg, N.E. Dokuchaev, N.A. Tranbenkova, J.S. Whitman, D.W. Nagorsen and J.A. Cook. 2009. Phylogeography of a Holarctic nematode, *Soboliphyme baturini* among mustelids: Climate change, episodic colonization, and diversification in a complex host-parasite system. *Biological Journal of the Linnaean Society* 96:651-663.

MacDonald, S.O., E. Waltari, R. Nofchissey, Y. Sawyer, G. Ebel and J. A. Cook. 2009. First records of deermice in southcentral Alaska. *Northwestern Naturalist* 90:243-247.

Runck, A., M. Matocq and J.A. Cook. 2009. Historic hybridization and persistence of a novel mito-nuclear combination in red-backed voles (genus *Myodes*). *BMC Evolutionary Biology* 9:114

Medina, R.A., F. Torres-Perez, H. Galeno, M. Navarrete, P.A. Vial, R.E. Palma, M. Ferres, J.A. Cook and B. Hjelle. 2009. Ecology, genetic diversity and phylogeographic structure of Andes virus in humans and rodents in Chile. *Journal of Virology* 83:2446-2459.

Kang, H.J., S. Bennett, L. Sumbicay, S. Arai, A.G. Hope, G. Mocz, J.-W. Song, J.A. Cook and R. Yanagihara. 2009. Evolutionary insights from a genetically divergent hantavirus harbored by the European common mole (*Talpa europaea*). *PLOS ONE* 4(7): e6149. doi:10.1371/journal.pone.0006149.

Galindo, E., L. Broncho, E. Keeley, R. Inouye, S. Galindo, V. Winston, L. Farrell, J. Cook. 2009. Compassion: A hearts-on paradigm for transiting Native American students into a STEM university environment. *Journal of Mathematics and Culture* 4:1-22.

Kang, H.J., S. Arai, A. Hope, J.-W. Song, J.A. Cook and R. Yanagihara. 2009. Genetic diversity and phylogeography of Seewis virus in Eurasian common shrew in Finland and Hungary. *Virology Journal* 6:208.

CRIPPS, R.M.

Labeau, E.M., D.L. Trujillo and R.M. Cripps. 2009. Bithorax Complex genes control alary muscle patterning along the cardiac tube of *Drosophila*. *Mechanisms of Development* 126:478-486.

Bryantsev, A.L. and R.M. Cripps. 2009. Cardiac gene regulatory networks in *Drosophila*. *Biochimica et Biophysica Acta–Gene Regulatory Mechanisms* 1789:343-353.

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CUNNINGHAM, C.

Richard, M.L., J. Hikima, M.R. Wilson, N.W. Miller, C. Cunningham and G.W. Warr. 2009. BOB.1 of the Channel Catfish, *Ictalurus punctatus*: Not a transcriptional coactivator? *Molecular Immunology* 46:481-491.

Aragon, A.D., R.A. Imani, V.R. Blackburn, P.M. Cupit, S.D. Melman, T. Goronga, T. Webb, E.S. Loker and C. Cunningham. 2009. Towards an understanding of the mechanism of action of praziquantel. *Molecular and Biochemical Parasitology* 164:57-65.

Lang, R.P., C.J. Bayne, M.D. Camara, C. Cunningham, M.J. Jenny and C.J. Langdon. 2009. Transcriptome profiling of selectively-bred Pacific oyster *Crassostrea gigas* families that differ in tolerance of heat shock. *Marine Biotechnology* 11:650-68

HANSON, D.T.

Delong, J. P. and D. T. Hanson. 2009. Metabolic rate links density to demography in *Tetrahymena pyriforms*. *The International Society of Microbial Ecology (ISME) Journal* 1:1-6.

Bickford, C.P., N.G. McDowell, E.B. Erhardt and D. T. Hanson. 2009. High frequency field measurements of diurnal carbon isotope discrimination and internal conductance in a semi-arid species, *Juniperus monosperma*. *Plant Cell and Environment* 32(7):796-810.

DeLong, J. P. and D. T. Hanson. 2009. Density-dependent individual and population-level metabolic rates in a suite of single-celled eukaryotes. *The Open Biology Journal* 2:32-37.

Barbour, M.M. and D.T. Hanson. 2009. Commentary: Stable carbon isotopes reveal dynamics of respiratory metabolism. *New Phytologist* 181:243-245.

KATJU, V.

Katju, V., J.C. Farslow and U. Bergthorsson. 2009. Variation in gene duplicates with low synonymous divergence in *Saccharomyces cerevisiae* relative to *Caenorhabditis elegans*. *Genome Biology* 10:R75.

LOKER, E.S.

Hanelt, B., M.L. Steinauer, I.N. Mwangi, G.M. Maina, L.E. Agola, G.M. Mkoji and E.S. Loker. 2009. A new approach to characterize populations of *Schistosoma mansoni* from humans: Development and assessment of microsatellite analysis of pooled miracidia. *Tropical Medicine and International Health* 14:322-331.

Aragon, A.D., R.A. Imani, V.R. Blackburn, P.M. Cupit, S.D. Melman, T. Goronga, T. Webb, E.S. Loker and C. Cunningham. 2009. Towards an understanding of the mechanism of action of praziquantel. *Molecular and Biochemical Parasitology* 164:57-65.

Zhang, S.-M., H. Nian, B. Wang, E.S. Loker and C.M. Adema. 2009. Schistosomin from the snail *Biomphalaria glabrata*: Expression studies suggest no involvement in trematode-mediated castration. *Molecular and Biochemical Parasitology* 165:79-86.

Brant, S.V. and E.S. Loker. 2009. Schistosomes in the southwest United States and their potential for causing cercarial dermatitis or 'swimmer's itch'. *Journal of Helminthology* 83:191-198.

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Agola, E.L., M.L. Steinauer, D.N. Mburu, B.N. Mungai, I.N. Mwangi, G.N. Magoma, E.S. Loker and G.M. Mkoji. 2009. Genetic diversity and population structure of *Schistosoma mansoni* within human infra-populations in Mwea, central Kenya assessed by microsatellites markers. *Acta Tropica* 111:219-225.

Hanelt, B., S.V. Brant, M.L. Steinauer, G.M. Maina, J.M. Kinuthia, L.E. Agola, I.N. Mwangi, B.N. Mungai, M.W. Mutuku, G.M. Mkoji and E.S. Loker. 2009. *Schistosoma kisumuensis* n. sp. (Digenea: Schistosomatidae) from murid rodents in the Lake Victoria Basin, Kenya and its phylogenetic position among the *S. haematobium* group. *Parasitology* 136:987-1001.

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LOWREY, T.K.

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MARSHALL, D.L.

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MILLER, K.B.

Giorgi, J.A., N.J. Vandenberg, J.V. McHugh, J.A. Forrester, S.A. Slipinski, K.B. Miller, L.R. Shapiro and M.F. Whiting. 2009. The evolution of food preferences in Coccinellidae. *Biological Control* 51:215-231.

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POCKMAN, W.T.

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SMITH, F.A.

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None.

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I. Abstracts (Contributed) (including Research Day abstracts of your students).

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Hanington, P.C., C.M. Adema, C.M. Lun and E.S. Loker. 2009. Characterizing the transcriptional profile of *Biomphalaria glabrata* after bacterial and parasite challenge. 58th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC, November 18, 2009.

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Bergthorsson, U. 2009. Gene copy number changes in experimental *C. elegans* populations. Darwin to the Next Generation, Annual Meeting of the Society for Molecular Biology and Evolution, Iowa City IA, June 3-7, 2009.

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CUNNINGHAM, C.

Cupit, P.M., A. D. Aragon, T. Goronga, T.R. Webb and C. Cunningham. 2009. Understanding the biology of schistosomes in response to praziquantel. American Society of Tropical Medicine and Hygiene, Washington DC, November 18, 2009.

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Greenberg, J., A. Mizell, M. Dimenna and B. Hofkin. 2009. Mosquito Feeding Patterns in Bernallilo County, New Mexico and Their Implications for the Transmission of West Nile Virus. Society for the Advancement of Chicanos and Native Americans in Science, Dallas TX, October 15–18, 2009.

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LOKER, E.S.

Loker, E.S. 2009. Macroevolutionary implications of immunological phenomena: The example of trematodes and snails. 11th Congress of the International Society for Developmental and Comparative Immunology, Prague, Czech Republic, June 28–4 July 4, 2009.

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Loker, E.S. and S.V. Brant. 2009. Avian and Mammalian Schistosomes Compared. 3rd Workshop on Bird Schistosomes and Cercarial Dermatitis, Rejckov-Kouty, Czech Republic, July 6-10, 2009.

Loker, E.S. 2009. Macroevolutionary implications of immunological phenomena: The example of trematodes and snails. Presented at the Western Region COBRE-INBRE Scientific Conference, Big Sky MT, September 16-18, 2009.

Loker, E.S. Schistosomiasis in Africa. Southwest Symposium on Global Health, UNM, October 13-14, 2009.

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Brant, S.V. and E.S. Loker. 2009. Etiology and epidemiology of cercarial dermatitis in North America. 58th Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC, November 18-22, 2009.

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LOWREY, T.K.

Lowrey, T., M. Garcia and A. Porras-Alfaro. Plant–fungal symbioses in gypsophilic plants. Botany 2009, Snowbird UT, July 25-29, 2009.

MARSHALL, D.L.

Simpson, H.L. and Marshall, D.L. 2009. Comparisons of geographical distribution, phenotypic and genotypic variation of an invasive mustard *Isatis tinctoria* (Brassicaceae) in its introduced range. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

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Khidir, H., A. Porras-Alfaro, J. Herrera, D. Eudy, R. Sinsabaugh and D. Natvig. 2009. Trans-continental patterns of root-associated fungal communities colonizing a dominant grass, ***Bouteloua gracilis***. Annual Meeting of the Mycological Society of America, Snowbird UT, August.

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Yepez, E.A., J.A. Plaut, J.P. Hill, J. Johnson, A. Porras-Alfaro, M.L. Gaylord, T.E. Kolb, P.L. Ford, D.O. Natvig, W.T. Pockman and N.G. McDowell. 2009. Rapid tree mortality following experimental drought. 94th Annual Meeting of the Ecological Society of New Mexico, Albuquerque NM, August 2-7, 2009.

Jenks, A.B., P.L. Ford, W.T. Pockman, N.G. McDowell, D.O. Natvig, J.A. Plaut, E.A. Yepez, and A. Porras-Alfaro. 2009. Identification of fungal communities associated with bark beetles in *Pinus edulis*. 94th Annual Meeting of the Ecological Society of New Mexico, Albuquerque NM, August 2-7, 2009.

Ah Young, A.P., D.O. Natvig, P.L. Ford, N.G. McDowell, W.T. Pockman, J.A. Plaut, E.A. Yepez, and A. Porras-Alfaro. 2009. Xylem-associated fungal communities in Pinõn trees at the Sevilleta National Wildlife Refuge, New Mexico. 94th Annual Meeting of the Ecological Society of New Mexico, Albuquerque NM, August 2-7, 2009.

Talbot, A.H., P.L. Ford, D.O. Natvig, J.A. Plaut, E.A. Yepez, N.G. McDowell, W.T. Pockman, and A. Porras-Alfaro. 2009. Symbiotic bacteria of Ophiostomatoid fungi isolated from bark beetles and *Pinus edulis* trees in New Mexico. 94th Annual Meeting of the Ecological Society of New Mexico, Albuquerque NM, August 2-7, 2009.

POCKMAN, W.T.

Yepez, E.A., J.A. Plaut, J.P. Hill, J. Johnson, A. Porras-Alfaro, M.L. Gaylord, T.E. Kolb, P.L. Ford, D.O. Natvig, W.T. Pockman and N.G. McDowell. 2009. Rapid tree mortality following experimental drought. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Jenks, A.B., P.L. Ford, W.T. Pockman, N.G. McDowell, D.O. Natvig, J.A. Plaut, E.A. Yepez and A. Porras-Alfaro. 2009. Identification of fungal communities associated with bark beetles in *Pinus edulis*. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Ah Young, A.P., D.O. Natvig, P.L. Ford, N.G. McDowell, W.T. Pockman, J.A. Plaut, E.A. Yepez and A. Porras-Alfaro. 2009. Xylem associated fungal communities in piñon trees at the Sevilleta National Wildlife Refuge, New Mexico. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Talbot, A.H. P.L. Ford, D.O. Natvig, J.A. Plaut, E.A. Yepez, N.G. McDowell, W.T. Pockman, and A. Porras-Alfaro. 2009. Symbiotic bacteria of Ophiostomatoid fungi isolated from bark beetles and Pinus edulis trees in New Mexico. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Plaut, J.A., E.A. Yepez, J. Hill, J.E. Johnson, N.G. McDowell and W.T. Pockman. 2009. Hydraulic contributions to differential survival during drought. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Hill, J.P., J.A. Plaut, E.A. Yepez, J.R. Elliot, W.T. Pockman and N.G. McDowell. 2009. Design and performance of an experimental infrastructure for ecosystem rainfall manipulation in a semiarid piñon–juniper woodland. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Cregger, M.A., N.G. McDowell, W.T. Pockman, E.A. Yepez and A.T. Classen. 2009. Precipitation change shapes nitrogen cycling in a piñon–juniper woodland. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Gaylord, M.L., T.E. Kolb, N.G. McDowell and W.T. Pockman. 2009. Does drought predispose trees to insect attack? 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Johnson, J.E., E.A. Yepez, W.T. Pockman, J.P. Hill, J.A. Plaut, N.G. McDowell, E.E. Small and S.L. Collins. 2009. Differences in plant water potentials across four semiarid ecotones. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Collins, S.L., J. Fargione, Y. Xia and W.T. Pockman. 2009. Community and ecosystem responses to multiple environmental drivers in a Northern Chihuahuan Desert grassland. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Medeiros, J.S. and W.T. Pockman. 2009. Local adaptation and the potential for the evolution of higher freezing tolerance of *Larrea tridentata* and *L. divaricata* seedlings from three field sites differing in mean annual temperature. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

McDowell, N., W. Pockman, J. Plaut, E. Yepez, R. Pangle, S. Sevanto and J. Hill. 2009. Mechanisms of mortality and survival in piñon–juniper woodlands of southwestern USA. Annual Workshop of the DOE Program for Ecosystem Research, Washington DC, November 2009.

SINSABAUGH, R.L.

Hathaway, J.J.M., M. de Lurdes, N.E. Dapkevicius, R.L. Sinsabaugh and D.E. Northup. 2009. Investigation of novel microbial diversity and nitrogen cycling in lava tubes of Terceira, Azores, Portugal. 18th Annual Research Day, Department of Biology, UNM, April 10, 2009.

Hutchinson, M.I., J. Belnap, J. Herrera, R.L. Sinsabaugh and A. Porras-Alfaro. 2009. Root-associated fungal communities colonizing two dominant semiarid grasses: *Hilaria* sp. and *Stipa* sp. 18th Annual Research Day, Department of Biology, UNM, April 10, 2009.

Stansbury, S., K.N. Suding, R.L. Sinsabaugh and A. Porras-Alfaro. 2009. Fungal associations of two dominant plant species in alpine tundra may explain differential abundance responses to nitrogen fertilization. 18th Annual Research Day, Department of Biology, UNM, April 10, 2009.

Stansbury, S., K. Suding, R. Sinsabaugh and A. Porras-Alfaro. 2009. Effect of nitrogen fertilization on two dominant plant species in an alpine tundra in Colorado. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 5, 2009.

Hutchinson, M., J. Belnap, J. Herrera, R. Sinsabaugh and A. Porras-Alfaro. 2009. Root-associated fungal communities colonizing two dominant semiarid grasses: *Hilaria* sp. and *Stipa* sp. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 5, 2009.

SMITH, F.A.

Murray, I.W. and F.A. Smith. 2009. Life in an extreme environment: The effects of heat on foraging and survival of woodrats (Neotoma) in Death Valley, CA. Annual Meeting of the Society of Integrative and Comparative Biology (SICB), Boston MA, January 3-7, 2009.

Crawford, D. 2009. A desert runs though it: Comparative phylogeography of three rodent taxa across the highlands of Mexico and the southern United States. Fourth Biennial Conference of the International Biogeographical Society Mérida, México, January 8-12, 2009.

Harding, L.E., F.A. Smith, S.K. Lyons, K.M. Youberg, and J.H. Brown. 2009. Globetrotting: Patterns of similarity in mammalian distributions across continents. Fourth Biennial Conference of the International Biogeographical Society, Mérida, México, January 8-12, 2009.

Smith, F.A., A.G. Boyer, J.H. Brown, D.P. Costa, T. Dayan, A. Evans, S.K. M. Ernest, M. Fortelius, L.E. Harding, K. Lintulaakso, S.K. Lyons, R. Sibly, J. Saarinen, J. Theodor and M. Uhen. 2009. Size matters: Examining patterns of maximum body size of mammals over time and space. Fourth Biennial Conference of the International Biogeographical Society, Mérida, México, January 8-12, 2009.

Whiteman, S. and F.A. Smith. 2009. A tale of two continents: Body size, ecology and the Great American Biotic Interchange. Fourth Biennial Conference of the International Biogeographical Society, Mérida, México, January 8-12, 2009.

Harding, L.E., F.A. Smith, S.K. Lyons, K.M. Youberg, and J.H. Brown. 2009. Globetrotting: Patterns of similarity in mammalian distributions across continents. Annual Meeting of the American Society of Mammalogists, Fairbanks AK, June 24-28, 2009.

Martin, JT, F.A. Smith, H.M. Lease, I.W. Murray and L.E. Harding. 2009. You are what you eat: The key role of mesquite in promoting survival in an extreme environment. Annual Meeting of the American Society of Mammologists, Fairbanks AK, June 24-28, 2009.

Murray, I.W. and F.A. Smith. 2009. Life in an extreme environment: Using iButtons to explore the foraging ecology of woodrats (Neotoma) in Death Valley, CA. Annual Meeting of the American Society of Mammalogists, Fairbank AK, June 24-28, 2009.

Harding, L.E., F.A. Smith, S.K. Lyons, K.M. Youberg, and J.H. Brown. 2009. Globetrotting: Patterns of similarity in mammalian distributions across continents. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Martin, JT, F.A. Smith, H.M. Lease, I.W. Murray and L.E. Harding. 2009. You are what you eat: The key role of mesquite in promoting survival in an extreme environment. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Smith, F.A., A.G. Boyer, J.H. Brown, D.P. Costa, T. Dayan, A. Evans, S.K. M. Ernest, M. Fortelius, L.E. Harding, K. Lintulaakso, S.K. Lyons, R. Sibly, J. Saarinen, J. Theodor and M. Uhen. 2009. Size matters: Examining patterns of maximum body size of mammals over time and space. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Whiteman, S. and F.A. Smith. 2009. A tale of two continents: Body size, ecology and the Great American Biotic Interchange. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Martin, JT, F.A. Smith, H.M. Lease, I.W. Murray and L.E. Harding. 2009. You are what you eat: The key role of mesquite in promoting survival in an extreme environment. IMSD/MARC Research Symposium, Albuquerque, NM., August 13, 2009.

Smith, F.A., S.K. Lyons and S.M. Elliott. 2009. Mammoth burps: Do anthropogenic influences on the ecosystem predate the Holocene? Annual Meeting of the Geological Society of America, Portland OR, October 18-21, 2009.

Whiteman, S. and F.A. Smith. 2009. A tale of two continents: Body size, ecology and the Great American Biotic Interchange. Annual Meeting of the Geological Society of America, Portland OR, October 18-21, 2009.

SNELL, H.L.

Giermakowski, J.T. and H. L. Snell. 2009. Improving models of distribution for amphibians and reptiles of New Mexico. Annual Meeting of the New Mexico and Arizona Chapters of The Wildlife Society, Gallup NM, February 2009.

Giermakowski, J.T. and H. L. Snell. 2009. Where species could be: Statewide models of distribution for amphibians and reptiles of New Mexico. Southwestern Partners in Amphibian and Reptile Conservation, St. George UT, September 2009.

Bateman, H.L. and H. L. Snell. 2009. The mechanism of confusion: How varying goals may impact the relative merits of restoration ecology projects. 19th Conference of the Society for Ecological Restoration International, Perth, Australia, August 2009.

STRICKER, S.A.

Soltani, P., L. Fowles and S. Stricker. 2009. AMP-dependent kinase (AMPK) inhibits egg maturation in nemertean worms. 18th Annual Research Day, Department of Biology, UNM, April 10, 2009.

TURNER, T.F.

Fencl, J.S., A.S. Burdett and T.F. Turner. 2009. Comparison of invertebrate sampling methods in the Middle Rio Grande. 57th Annual Meeting of the North American Benthological Society, Grand Rapids MI, May 16-23, 2009.

Tellez, M.K., A.S. Burdett and T.F. Turner. 2009. Length–mass relationships for freshwater macroinvertebrates of the Middle Rio Grande, NM. 57th Annual Meeting of the North American Benthological Society, Grand Rapids MI, May 16-23, 2009.

Turner, T.F., D. Alò and W.J. Matthews. 2009. Phylogeography of the orangebelly darter (*Etheostoma radiosum*). Joint Meeting of the American Society of Ichthyologists and Herpetologists, Portland OR, July 22-27, 2009.

Fencl, J.S., A.S. Burdett and T.F. Turner. 2009. Comparison of invertebrate sampling methods in the Middle Rio Grande. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Tellez, M.K., A.S. Burdett and T.F. Turner. 2009. Allometric relationships between linear body dimensions and dry mass for some freshwater macroinvertebrates in the Middle Rio Grande, NM. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Bishara, R.K., C.A. Love, E.L. Johnson, A.S. Burdett and T.F. Turner. 2009. Aquatic invertebrate ecology in the Rio Grande, New Mexico: A comprehensive undergraduate training program. 41st Annual Desert Fishes Council Meeting, Death Valley CA, November 17-21, 2009.

Diver, T.A., M.J. Osborne and T.F. Turner. 2009. Patterns of genetic diversity in *Notropis girardi* in the Canadian River and Pecos River, New Mexico. 41st Annual Desert Fishes Council Meeting, Death Valley CA, November 17-21, 2009. Awarded Best Undergraduate Student Poster Presentation.

Krabbenhoft, T.J., S.P. Platania and T.F. Turner. 2009. Reproductive phenology of fishes of the middle Rio Grande, New Mexico. 41st Annual Desert Fishes Council Meeting, Death Valley CA, November 17-21, 2009.

WAIDE, R.B.

Montoya, A. and B.S. Barker. 2009. Testing biogeographic hypotheses in a Puerto Rican frog, *Eleutherodactylus antillensis*: Integrating distribution models and phylogeography. 18th Annual Research Day, Department of Biology, UNM, April 10, 2009.

WEARING, H.J.

Wearing, H.J. and P. Rohani. 2009. Estimating the duration of pertussis immunity using epidemiological signatures. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Nonaka, E. G.D. Ebel and H.J. Wearing. 2009. Vertical and cofeeding transmission pathways are both important to maintain pathogens with short infectivity in seasonally structured tick

populations. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Baldridge, S. 2009. Computer Modeling of Mutations in Human Respiratory Syncytial Virus. Annual Research Day, Department of Biology, UNM, April 10, 2009.

Washburne, A. 2009. Mathematical modeling of lytic and lysogenic virus life cycles. Annual Research Day, Department of Biology, UNM, April 10, 2009.

WERNER-WASHBURNE, M.

S. Roy, T. Lane, D. Martinez, M. Werner-Washburne. 2009. "Inference of Functional Networks of Condition-Specific Response: A Case Study of Quiescence in Yeast," Pacific Symposium on Biocomputing, Kona HI, January 2009.

"Functional Genomics: Insights into the Complexity of Yeast Stationary Phase," Duke University, Durham NC, April 1, 2009.

"What's in a Genome? What's in MY Genome?", Osher Life Long Learning Institute, Division of Continuing Education, UNM, September 28, 2009.

"From Nano to Terra: the Biological Revolution Rumbles in Yeast, a Well-behaved Organism," Integrating Nanotechnology with Cell Biology and Neuroscience (INCBN) Integrative Graduate Education and Research Traineeship (IGERT), UNM, November 2, 2009.

"Holistic Mentoring: What I Learned From My Grandmother," Mentoring Institute, UNM, November 18, 2009.

WITT, C.C.

Johnson, A.B., C.J. Schmitt and C.C. Witt. 2009. Preparation and Use of Bird Specimens. New Mexico Ornithological Society Meeting, Los Alamos NM, April 2009.

Evolution of Genome Size in Hummingbirds, American Ornithologists' Union Meeting, Philadelphia PA, August 2009.

Whalen, D., M. Lucero and C.C. Witt. 2009. Avian Malaria in the Tropical Andes. Poster, 18th Annual Research Day, Department of Biology, UNM, April 10, 2009.

WOLF, B.O.

Engel, S., T. Hyde and B.O. Wolf. 2009. Is avian migration in the American Southwest timed to the bloom of columnar cacti? Annual Meeting of the Society of Integrative and Comparative Biology, Boston MA, January 3-7, 2009.

Murray, I.W. and B.O. Wolf. 2009. Exploring the nutritional ecology of the ornate box turtle in New Mexico via stable isotope analyses. Annual Meeting of the Society of Integrative and Comparative Biology, Boston MA, January 3-7, 2009.

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Wolf, B.O. and A.E. Mckechnie. 2009. Avian mortality during heat waves and drought: The role of climate change and extreme events. 79th Annual Meeting of the Cooper Ornithological Society, Tucson AZ, April 16-18, 2009.

Wolf, B.O. and A.E. Mckechnie. 2009. Avian mortality during heat waves and drought: The role of climate change and extreme events. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

J. Other.

WITT, C.C.

Web publications:

Dubay, S.G. and C.C. Witt. 2009. Pied-crested Tit-Tyrant (*Anairetes reguloides*). In *Neotropical Birds Online*, T.S. Schulenberg, Ed. Ithaca: Cornell Lab of Ornithology; http://neotropical.birds.cornell.edu/portal/species/overview?p_p_spp=422121.

Capparella, A.P. and C.C. Witt. 2009. Pardusco (*Nephelornis oneilli*). In *Neotropical Birds Online*, T.S. Schulenberg, Ed. Ithaca: Cornell Lab of Ornithology; http://neotropical.birds.cornell.edu/portal/species/overview?p_p_spp=34094.

III. RESEARCH PROJECTS OR OTHER CREATIVE WORK IN PROGRESS OR COMPLETED DURING PERIOD.

A. Grants and Contracts, Extramural and Intramural.

1. Submitted to all agencies in 2009.

ADEMA, C.M.

"Anti-pathogen-responses in *Biomphalaria glabrata*"; C.M. Adema; National Institutes of Health; $500,000; June 16, 2009–May 31, 2011, $250,000/year.

BERGTHORSSON, U.

"The Spontaneous Rate of Gene Duplication and Deletion in *Caenorhabditis elegans*"; U. Bergthorsson, PI, V. Katju, co-PI; National Science Foundation; $504,865, January 1, 2010–December 31, 2012.

"Genomic Determinants Influencing the Evolutionary Fate of Young Gene Duplicates In *Caenorhabditis elegans*"; V. Katju, PI, U. Bergthorsson, co-PI; National Science Foundation; $672,677, January 1, 2010–December 31, 2012.

CRIPPS, R.M.

"A *Drosophila* Model for Mammalian Muscular Dystrophy"; R.M. Cripps, PI; Muscular Dystrophy Association; $300,000, July 1, 2009–June 30, 2012, $100,000/year.

"A *Drosophila* Model for Mammalian Muscular Dystrophy", R.M. Cripps, PI; Muscular Dystrophy Association; $300,000, January 1, 2010–December 31, 2012, $100,000/year.

"A *Drosophila* Model for Mammalian Muscular Dystrophy"; R.M. Cripps, PI; National Institutes of Health; $275,000, July 1, 2009–June 30, 2011.

"The jumop Muscle as a Model for Skeletal Muscle Specification"; R.M. Cripps, PI; National Institutes of Health; $1,250,000, May 1, 2010–May 30, 2015, $250,000/year.

"Genetic Regulation of Muscle Fiber Diversity"; R.M. Cripps, PI; National Institutes of Health; $1,250,000, May 1, 2010–May 30, 2015, $250,000/year.

CUNNINGHAM, C.

"Oysters as Environmental Biosensors"; C. Cunningham, PI; National Science Foundation; $650,000, July 1, 2009–June 30, 2012, $215,000/year.

"Oysters as Environmental Biosensors"; C. Cunningham, PI; National Science Foundation; $650,560, January 1, 2010–December 31, 2012, $215,000.

"Understanding the Biology of Schistosomes in Response to Praziquantel"; C. Cunningham, PI; National Institutes of Health; $1,412,461, January 1, 2010–January 1, 2014, $470,000/year.

"*Schistosoma mansoni* Defense Genes"; E.S. Loker, PI, C. Cunningham, co-PI; National Institutes of Health; $400,000, October 1, 2009–September 30, 2011, $200,000.

"Understanding the Biology of Schistosomes in Response to Praziquantel"; C. Cunningham, PI; UNM-RAC; $4,000, April 1–June 30, 2009.

HANSON, D.T.

"Collaborative Research: Physiological and Molecular Characteristics of Bryophyte Traits Related to Global Carbon and Nitrogen Cycling"; L.K. Graham, E. Waters and D.T. Hanson, PIs; Integrative Organismal Systems, Physiological and Structural Systems, Organism–Environment Interactions, National Science Foundation; $195,072, January 1, 2010–January 1, 2013.

"Collaborative Research: Fungal nitrogen dissimilation: A hole in the Global N Cycle"; R.L. Sinsabaugh, D.T. Hanson, A. Porras-Alfaro and J. Herrera, PIs; Division of Environmental Biology Ecosystem Science Cluster, National Science Foundation; $254,551, January 1, 2010–January 1, 2012.

"Oxygen Analyzer Request"; D.T. Hanson, PI; McCune Foundation; $17,040, March 1, 2010–February 28, 2011.

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HOFKIN, B.V.

"Bosque Restoration: Implications for the Transmission of Mosquito-borne Disease"; B. Hofkin and.M. Dimenna, PIs; U.S. Fish and Wildlife; $10,545, May 01, 2010–March 31, 2011.

"Bosque Restoration: Implicatons for the Transmission of Mosquito-borne Disease"; B. Hofkin and M. Dimenna, PIs; T & E Inc.; $2,210, May 1, 2010–June 1, 2011.

KATJU, V.

"The Spontaneous Rate of Gene Duplication and Deletion in *Caenorhabditis elegans*"; U. Bergthorsson and V. Katju, co-PIs; National Science Foundation; $504,865, January 1, 2010–December 31, 2012, $173,662/year.

"Genomic Determinants Influencing the Evolutionary Fate of Young Gene Duplicates in *Caenorhabditis elegans*"; V. Katju and U. Bergthorsson, co-PIs; National Science Foundation; $672,677, January 1, 2010–December 31, 2012, $231,615/year.

"Genomic Determinants Influencing the Evolutionary Fate of Young Gene Duplicates in *Caenorhabditis elegans*"; V. Katju, PI; Research Allocation Committee (RAC) Individual Discipline-Specific Grant, UNM; $4,000, March 1, 2009.

LOKER, E.S.

"Experimental Epidemiology of *Schistosoma mansoni* in western Kenya"; E.S. Loker, PI; National Institutes of Health; $1,250,000, April 1, 2009–March 31, 2014.

LOWREY, T.K.

"Integrative Graduate Education and Research Traineeship (IGERT): The Museum of Southwestern Biology as a Nexus for Interdisciplinary Graduate Research, Education and Training (MSB-IGERT)"; T.F. Turner, PI; National Science Foundation; $2,808032, June 1, 2009–May 31, 2010.

MILLER, K.B.

"Revisionary Syntheses in Systematics (REVSYS): Multilevel Revision within the Praying Mantises (Insecta, Dictyoptera, Mantodea)"; G.J. Svenson, PI, K.B. Miller, co-PI; Division of Biological Infrastructure Grant, National Science Foundation; $641,724.

"Dissertation Research: Phylogeny of Prionine and Parandrine Longhorned Beetles (Coleoptera: Cerambycidae)"; K.B. Miller, PI, G. Nearns, co-PI; Division of Biological Infrastructure Grant, National Science Foundation; $14,612.

"Joint Research on Endemism at White Sands National Monument and the Cuatrociénegas Protected Area"; K.B. Miller, PI, D. Lightfoot, co-PI; U.S. National Park Service; $120,000.

"Identification Resource for the Ironclad and Cylindrical Bark Beetles and the Longhorned Wood Boring Beetle Tribe Onciderini"; K.B. Miller, PI; Animal and Plant Health Inspection Service (APHIS), U.S. Department of Agriculture; $85,000.

MILLER, R.D.

"Evolution of a Novel T Cell Receptor"; R.D. Miller, PI; National Science Foundation; $700,000, May 1, 2010–April 30, 2014, $150,000/year.

NATVIG, D.O.

"Development of the Spatially-integrated Fungal Carbon Cycle of Aridland Ecosystems"; R.L. Sinsabaugh, S.L. Collins and D.O. Natvig, PIs; U.S. Department of Energy.

"Roots with a View: The Eukaryotic Microbial Metatranscriptome of Blue Grama Grass Rhizosphere Soils Shows the Way to Transformational Lignocellulose Degrading Technologies and Elucidates Carbon Flux Through Aridland Ecosystems"; A. Powell et al., Co-PIs; Joint Genome Institute.

"Student Research and Teaching Improvements at the Sevilleta Field Station"; D.O. Natvig and S.L. Collins, co-PIs; National Science Foundation; $95,200, January 1– December 31, 2010.

SINSABAUGH, R.L.

"Collaborative Proposal: Dynamics of Plant–Soil Interactions in a Changing Environment"; K. Suding (UC–Berkeley), A. Porras-Alfaro and R.L Sinsabaugh, co-PIs; Population and Community Ecology Program, National Science Foundation; $258,507, October 1, 2009–October 1, 2012.

"Chemical and Microbial Mechanisms Linking Litter Quality and Decomposition Rate"; K. Treseder (UC–Irvine), R.L. Sinsabaugh and D.L Moorhead (University of Toledo), co-PIs; EArly-concept Grants for Exploratory Research (EaGER) Program, National Science Foundation; $300,000, October 1, 2009–October 1, 2011.

"Collaborative Proposal: Fungal Nitrogen Dissimilation: A Hole in the Global N Cycle"; R.L. Sinsabaugh, A. Porras-Alfaro, D.T. Hanson and J. Herrera, co-PIs; Ecosystem Science, National Science Foundation; $290,445, July 1, 2009–July 1, 2011.

"Development of the Spatially-integrated Fungal Carbon Cycle of Aridland Ecosystems"; R.L Sinsabaugh, S.L. Collins, D.O. Natvig, J. Belnap, A.J. Powell and A. Porras-Alfaro, co-PIs; GTL Program, DOE; $1,220,710, July 1, 2010–July 1, 2013.

SMITH, F.A.

Participating faculty in two different Integrative Graduate Education and Research Traineeship (IGERT) grants submitted to the National Science Foundation, one from the Museum of Southwestern Biology (T.F. Turner, lead PI), and one from the UNM's Department of Computer Science (S. Forest, lead PI); neither was funded, although they received great reviews.

TAKACS-VESBACH, C.D.

"Investigation of the Ecology and Evolution of a Hydrothermal Spring Community Using Environmental Metagenomics"; C.D. Takacs-Vesbach, PI; Molecular Population Studies,

Division of Environmental Biology, National Science Foundation; $408,998 (indirect), February 2009–January 2012, $128,192/year.

THORNHILL, R.

" Infectious Diseases in Relation to Cooperation, Conflict and Cultural Diversity"; R. Thornhill and C. Fincher, co-PIs; National Science Foundation; $369,000, June 1, 2010–May 31, 2012. Pending.

TOOLSON, E.C.

"Physiological Measures as Predictors of Treatment Response to Acupuncture in PTSD"; E. Perry, M. Hollifield, E.C. Toolson, PIs; re-submission, National Institutes of Health; $400,000, September 1, 2009–August 31, 2012.

TURNER, T.F.

"Genetic and Demographic Studies to Guide Conservation Management of Bonytail Chub and Razorback Sucker in Off-Channel Habitats"; T.F. Turner, PI; Arizona State University; declined, revision in progress.

"Genetic Monitoring of Rio Grande Silvery Minnow in Big Bend National Park"; M.J. Osborne, PI, T.F. Turner, co-PI; U.S. Fish and Wildlife Service/Department of the Interior; pending.

"Collaborative Research: Metacommunity Dynamics and Persistence of a Highly Endangered Fish Fauna"; T.F. Turner, PI; National Science Foundation; declined, revision in progress, submission planned for July 2010.

"Preproposal: IGERT: The Museum of Southwestern Biology as a Nexus for Interdisciplinary Graduate Education and Research Training (MSB-IGERT)"; T.F. Turner, PI, J.A. Cook, G. Ebel, J. Coonrod, Z. Sharp, co-PIs; National Science Foundation; not invited, revision in progress, submission planned for March 29, 2010.

"Dissertation Research: Reproductive Phenology and Assembly of the Rio Grande Fish Community"; T.F. Turner, PI, T. Krabbenhoft, co-PI; National Science Foundation; $15,000, June 1, 2010–May 31, 2011; pending.

"Baseline Genetic Studies of the Chihuahua Chub (*Gila nigrescens*)"; M. Osborne, PI, T.F. Turner, co-PI; N.M. Department of Game and Fish; August 30, 2009–June 30, 2010, award delayed to 2010 by contract negotiations.

"Curation of U.S.F.W.S. N.M. Fish and Wildlife Conservation Office Reference Collections of Fishes"; A. Snyder, PI, T.F. Turner, co-PI; U.S. Fish and Wildlife Service/Department of the Interior;$130,000, January 9, 2009–October 1, 2013, $26,000/year.

"Genetic Status of Arkansas River Shiner and Evaluation of Hybridization among Cyprinids"; M. Osborne, PI, T.F. Turner, co-PI; N.M. Department of Game and Fish; $14,000, August 30, 2009–June 30, 2010, award delayed to 2010 by contract negotiations.

WAIDE, R.B.

"Support and Cyberinfrastructure Development for Integrated Network Science in LTER"; R.B. Waide, J.W. Brunt, co-PIs; National Science Foundation; $6,736,743, September 1, 2009–August 31, 2014.

"Long Term Ecological Research Office"; R.B. Waide, J.W. Brunt, J.R. Vande Castle, co-PIs; National Science Foundation; $100,000; August 4, 2009–April 30, 2015, $20,000/year.

WERNER-WASHBURNE, M.

"FLOseq: A Novel Approach for Sensitive, High-throughput, Cost-effective Proteomics"; M. Werner-Washburne, PI; Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA), National Institute of General Medical Sciences; $800,000, four years.

"VectorBase: NIAID Resource Center"; W. Gelbart and European Bioinformatics Institute, Imperial College (London), PI, M. Werner-Washburne, co-PI; NAIAD; ??, September 1, 2009–August 31, 2014, ~$150,000/year estimated (pending).

"Flybase: A *Drosophila* Genomic and Genetic Database"; W. Gelbart (Harvard), M. Werner-Washburne, co-PI; National Human Genome Research Institute; $2,000,000, January 1, 2010–December 31, 2013,~$460,000/year (pending).

WITT, C.C.

"The Time-course of Adaptation to High-altitude Hypoxia: A Comparative Study of Andean Birds"; C.C. Witt, PI; National Science Foundation; $634,000; declined.

"The Time-course of Adaptation to High-altitude Hypoxia: A Comparative Study of Andean Birds"; C.C. Witt, PI; National Science Foundation; $634,000; second submission, declined

"The Time-course of Adaptation to High-altitude Hypoxia: A Comparative Study of Andean Birds"; C.C. Witt, PI; RAC Large Research Grant, UNM, $8,000, November 1, 2009, declined.

"The Avian Transcriptome in High-altitude Hypoxia"; C.C. Witt, PI; Center for Evolutionary and Theoretical Immunology (CETI) seed grant proposal, October 31, 2009; declined.

"Bird Surveys on the Rio Grande for the Sunzia Transmission Line Project"; C.C. Witt, PI; Environmental Planning Group, Phoenix AZ; $170,000.

WOLF, B.O.

"Use of Wildlife Water Developments by the Bird and Bat Community on the Kofa National Wildlife Refuge, Arizona"; Arizona Game and Fish Department; $65,000, April 1, 2009–February 1, 2010.

2. **Awarded with 2009 initial start date.**

ADEMA, C.M.

"Anti-pathogen-responses in *Biomphalaria glabrata*"; C.M. Adema; National Institutes of Health; $500,000; June 16, 2009–May 31, 2011, $250,000/year.

"CETI, Schistosomiasis in Snails: Understanding the immunological Basis of Long-Term Production of Human-Infective Cercariae"; E.S. Loker, R.D. Miller, C.M. Adema (project leader); National Institutes of Health; $370,000; August 18, 2009–May 31, 2011, $170,000/year.

BROWN, J.H.

"National Institute of Biomedical Imaging and Bioengineering (NIBIB) Interfaces Initiative for Interdisciplinary Graduate Research Training"; J.H. Brown and F.A. Smith, co-PIs; National Institute of Biomedical Imaging and Bioengineering (NIBIB), T-32, National Institutes of Health; $1,736,990, April 1, 2009–March 30, 2012.

COLLINS, S.L.

"Convergence and Contingencies in Savanna Grasslands"; M. Smith, A. Knapp, S.L. Collins, J. Blair, PIs; renewal, Collaborative Research (Yale, Colorado State University, UNM, Kansas State University), National Science Foundation; $807,000 (UNM $155,038), February 1, 2009–January 31, 2012.

"Dissertation Research: Effects of Global Climate Change, Loss of Mega-herbivore Biodiversity, and Altered Fire Regimes on Savanna Grassland Ecosystems"; S. Koerner, PI, S.L. Collins, co-PI; National Science Foundation; $14,860, May 1, 2009–April 30, 2011.

"Roots with a View: The Eukaryotic Microbial Metatranscriptome of Blue Grama Grass Rhizosphere Soils Shows the Way to Transformational Lignocellulose Degrading Technologies and Elucidates Carbon Flux Through Aridland Ecosystems"; A.J. Powell, PI, B. Simmons, D.O. Natvig, S.L. Collins, R.L. Sinsabaugh; A. Porras-Alfaro, D. Martinez, C. Detter, R.A. Dean, J. Magnuson and R. Berka, co-PIs; Community Sequencing Program, 600 MB of sequencing (January 1, 2009–January 1, 2010), Joint Genome Institute, U.S. Department of Energy; ??, January 2010–January 2011.

Long Term Ecological Research (LTER) Supplement; National Science Foundation; $145,862.

COOK, J.A.

"ISLES—Island Survey to Locate Endemics, Amendment 1"; J.A. Cook, PI; USDA Forest Service; $100,000, September 1, 2009–September 1, 2012.

CUNNINGHAM, C.

"*Schistosoma mansoni* Defense Genes"; E.S. Loker, PI, C. Cunningham, co-PI; National Institutes of Health; $400,000, October 1, 2009–September 30, 2011, $200,000.

"Understanding the Biology of Schistosomes in Response to Praziquantel"; C. Cunningham, PI; UNM-RAC; $4,000, April 1–June 30, 2009.

HANSON, D.T.

"Isotopic Signature of Photorespiration"; D. Pater and D.T. Hanson, PIs; Summer Undergraduate Research Fellowship, American Society of Plant Biologists; $4,000, May 1–August 30, 2009.

KATJU, V.

"Genomic Determinants Influencing the Evolutionary Fate of Young Gene Duplicates in *Caenorhabditis elegans*"; V. Katju, PI; Research Allocation Committee (RAC) Individual Discipline-Specific Grant, UNM; $4,000, March 1, 2009.

KODRIC-BROWN, A.

"Behavioral and Ecological Factors Mediating the Co-occurrence of Two Gambusia Species"; A. Kodric-Brown, PI, D. Swenton-Olson, co-PI; Doctoral Dissertation Improvement Grants (DDIG), National Science Foundation; $11,830, June 2008–July 2009.

LOKER, E.S.

"COBRE: Center for Evolutionary and Theoretical Immunology"; E.S. Loker, PI; National Center for Research Resources, P20 RR018754, National Institutes of Health; $10.7M, July 1, 2009–June 30, 2014.

MILLER, K.B.

"Improvements to the Division of Arthropods Collection, Museum of Southwestern Biology," K.B. Miller, PI, D. Lightfoot and S. Brantley, co-PIs; Division of Biological Infrastructure grant #DBI-0847847, Division of Biological Infrastructure, National Science Foundation; $453,444, 2009-2012.

"Phylogenetic Revisions of South American Water Beetles (Coleoptera: Adephaga: Hydradephaga): A Model for Teaching Systematic Biology"; K.B. Miller, PI; The Faculty Early Career Development (CAREER) grant #DEB–0845984, Division of Environmental Biology, National Science Foundation; $675,000, 2009–2014.

NATVIG, D.O.

"Roots with a View: The Eukaryotic Microbial Metatranscriptome of Blue Grama Grass Rhizosphere Soils Shows the Way to Transformational Lignocellulose Degrading Technologies and Elucidates Carbon Flux Through Aridland Ecosystems"; A. Powell et al., Co-PIs; Joint Genome Institute.

POCKMAN, W.T.

"Hydraulic Mechanisms of Survival and Mortality During Drought in Piñon–Juniper Woodlands of Southwestern USA"; W.T. Pockman, PI; U.S. Department of Energy; $2,319,408, March 15, 2009–March 14, 2014, $500,000.

POE, S.

"Adaptation, Exaptation, and Colonization in Solitary *Anolis* Lizards"; S. Poe, PI; Division of Environmental Biology-0844624, National Science Foundation; $350,277, June 1, 2009–May 31, 2012, $12,000/year.

SINSABAUGH, R.L.

"Roots with a View: The Eukaryotic Microbial Metatranscriptome of Blue Grama Grass Rhizosphere Soils Shows the Way to Transformational Lignocellulose Degrading Technologies and Elucidates Carbon Flux Through Aridland Ecosystems"; A.J. Powell, PI, B. Simmons, D.O. Natvig, S.L. Collins, R.L. Sinsabaugh, A. Porras-Alfaro, D. Martinez, C. Detter, R.A. Dean, J. Magnuson, and R. Berka, co-PIs; Joint Genome Institute, DOE; January 1, 2010–January 1, 2011.

"Collaborative Proposal: Dynamics of Plant–Soil Interactions in a Changing Environment"; K. Suding (UC–Berkeley), A. Porras-Alfaro and R.L Sinsabaugh, co-PIs; Population and Community Ecology Program, National Science Foundation; $258,507, October 1, 2009–October 1, 2012.

"Chemical and Microbial Mechanisms Linking Litter Quality and Decomposition Rate"; K. Treseder (UC–Irvine), R.L. Sinsabaugh and D.L Moorhead (University of Toledo), co-PIs; EArly-concept Grants for Exploratory Research (EaGER) Program, National Science Foundation; $300,000, October 1, 2009–October 1, 2011.

SMITH, F.A.

"Program in Interdisciplinary Biological and Biomedical Sciences (PiBBs)"; J.H. Brown, PI, F.A. Smith, co-PI; National Institute of Biomedical Imaging and Bioengineering (NIBIB) Interfaces Initiative for Interdisciplinary Graduate Research Training (T32) 1T32EB009414-01, National Institutes of Health; $963,225 (direct costs), March 1, 2009–February 2014.

TAKACS-VESBACH, C.D.

"'Continental Smokers': Evaluating Mantle Degassing, CO_2 Flux, Geomicrobiology, and Water Quality in Extensional Continental Regimes"; L. Crossey, PI, C.D. Takac-Vesbach, co-PI;, Hydrological Sciences, Earth Sciences, National Science Foundation; $294,562, July 2009–June 2011, $54,551/year. NSF has indicated they wish to fund this project, but we have not received official notification.

"Collaborative Research: The Role of Snow Patches on the Spatial Distribution of Soil Microbial Communities and Biogeochemical Cycling in the Antarctic Dry Valleys"; J. Barrett, PI, M. Gooseff and C.D. Takacs-Vesbach, co-PIs; Office of Polar Programs, National Science Foundation; $306,050 (UNM), July 2009–June 2012, $63,154/year.

TURNER, T.F.

"Curation of U.S.F.W.S. N.M. Fish and Wildlife Conservation Office Reference Collections of Fishes"; A. Snyder, PI, T.F. Turner, co-PI; U.S. Fish and Wildlife Service/Department of the Interior;$130,000, January 9, 2009–October 1, 2013, $26,000/year.

"Genetic Status of Arkansas River Shiner and Evaluation of Hybridization among Cyprinids"; M. Osborne, PI, T.F. Turner, co-PI; N.M. Department of Game and Fish; $14,000, August 30, 2009–June 30, 2010, award delayed to 2010 by contract negotiations.

"Baseline Genetic Studies of the Chihuahua Chub (*Gila nigrescens*)"; M. Osborne, PI, T.F. Turner, co-PI; N.M. Department of Game and Fish; August 30, 2009–June 30, 2010, award delayed to 2010 by contract negotiations.

WAIDE, R.B.

"Support and Cyberinfrastructure Development for Integrated Network Science in LTER"; R.B. Waide, J.W. Brunt, co-PIs; National Science Foundation; $6,736,743, September 1, 2009–August 31, 2014.

"Long Term Ecological Research Office"; R.B. Waide, J.W. Brunt, J.R. Vande Castle, co-PIs; National Science Foundation; $100,000; August 4, 2009–April 30, 2015, $20,000/year.

"Long Term Ecological Research Network Office"; R.B. Waide, J.R. Vande Castle and J.W. Brunt, co-PIs; National Science Foundation; $8,989,493, May 1, 2009–April 30, 2015, $1,487,500/year.

WERNER-WASHBURNE, M.

"Flybase: A *Drosophila* Genomic and Genetic Database"; W. Gelbart (Harvard), PI, M. Werner-Washburne, co-PI; National Human Genome Research Institute; $2,000,000, March 1, 2009–December 31, 2009, ~$250,000/year.

"Environnmental Sensing Using Genome-scale Proteomics"; M. Werner-Washburne, PI; Sandia National Laboratories; $25,000, April 1, 2009–March 31, 2010.

Chemical Screen of TOR Pathway GFP-fusion Proteins in *S. cerevisiae*"; M. Werner-Washburne, PI; National Institutes of Health R03 MH086450-01; $25,000, April 1, 2009–March 31, 2010.

"UNM–IMSD (Initiatives to Maximize Student Diversity)"; M. Werner-Washburne, PI; The Minority Opportunities in Research (MORE), National Institutes of Health 5R25-GM060201; $2,400,000 (direct), March 1, 2009–February 28, 2013,~$600,000/year (direct).

WITT, C.C.

"Bird Surveys on the Rio Grande for the Sunzia Transmission Line Project"; C.C. Witt, PI; Environmental Planning Group, Phoenix AZ; $170,000.

3. In force from previous years.

ADEMA, C.M.

"Anti-pathogen-responses in *Biomphalaria glabrata*"; C.M. Adema; National Institutes of Health, $225,000, June 1, 2008–June 18, 2009.

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BROWN, J.H.

"Long-term Manipulation and Monitoring of a Desert Ecosystem"; J.H. Brown and T.J. Valone, co-PIs; NSF Grant DEB-0348896; $187,497, March 1, 2004–February 28, 2009.

"Program in Interdisciplinary Biological and Biomedical Sciences (PIBBS)"; J.H. Brown, PI, F.A. Smith, co-PI; Howard Hughes Medical Institute 56005678; $1,000,000, January 1, 2006–December 31, 2009.

COLLINS, S.L.

"Global Change Effects on Grass–Shrub Interactions in an Arid Ecosystem"; J. Fargione, PI, S.L. Collins and W.T. Pockman, co-PIs; National Science Foundation; $297,494, July 15, 2005–June 30, 2009.

"Track 1, GK–12: E-MRGE: Ecohydrogeology in the Middle Rio Grande Environment"; S.L. Collins, PI, L. Crossey, D. Earick, co-PIs; National Science Foundation; $1,663,165, May 1, 2006–April 30, 2009.

"Long Term Research in Environmental Biology (LTREB): Long-term Ecosystem Responses to More Extreme Precipitation Patterns and Warming"; J. Blair, PI, A. Knapp, P. Fay, S.L. Collins and M. Smith, co-PIs; National Science Foundation; $300,000, May 1, 2005–April 30, 2010.

"Sevilleta LTER IV: Abiotic Pulses and Constraints: Effects on Dynamics and Stability in an Aridland Ecosystem"; S.L. Collins, PI, C.N. Dahm, M.E. Litvak, W.T. Pockman, K. Vanderbilt, co-PIs; National Science Foundation; $4,920,000 plus two supplements ($101,163, 2008; $145,862, 2009), November 1, 2006–October 31, 2012.

"Renovations to Increase Residence Capacity at the UNM Sevilleta Field Research Station"; S.L. Collins, PI, D.O. Natvig, W.T. Pockman, T.K. Lowery, M. Friggens, co-PIs; National Science Foundation; $250,000, October 15, 2007–October 14, 2010.

"Do Vegetation–Microclimate Feedbacks Promote Shrub Encroachment in the Southwestern United States?"; M.E. Litvak, UNM PI, W.T. Pockman, S.L. Collins UNM co-PIs, UVa PI P. D'Odorico, UVa PI, J. Fuentes, S. De Wekker, UVa co-PIs; Collaborative Research (UNM and University of Virgina), National Science Foundation; $553,989 (UNM $289,008), February 1, 2008–January 31, 2011.

"Sevilleta Long Term Ecological Research (LTER) Research Experiences for Undergraduates (REU) Sites Program"; S.L. Collins, PI, L. McFadden, co-PI; National Science Foundation; $246,705, March 1, 2008–February 28, 2011.

"Ecosystem Consequences of Precipitation Extremes in Semiarid Grassland and Shrubland"; W.T. Pockman, PI, S.L. Collins, E. Small-Tilden, co-PIs; The National Institute of Climate Change Research (NICCR), U.S. Department of Energy (DOE);$374,829, April 1, 2008–March 31, 2011.

COOK, J.A.

"Training in Hantavirus Ecology, Virology and Clinical Investigation in the Americas"; G. Mertz, (UNM SOM), PI, J.A. Cook, co-PI; Fogarty International Training Grant 2 D43 TW001133-06A1, National Institutes of Health; $510,000, July 1, 1999–March 31, 2011, $132,133/year.

"Mammal Inventory of Tongass"; J.A. Cook, PI; USDA Forest Service Pacific Northwest Lab; $49,983, May 2005–July 2010, $24,000/year.

"ICIDR, Hantavirus Ecology and Disease in Chile and Panama" (2nd year); G. Mertz (School of Medicine, UNM), PI; National Institutes of Health 2 U19 AI045452-06; $800,000, August 31, 2005–April 30, 2010.

"URM: Undergraduate Nurturing Opportunities (UNO)"; JA Cook, PI; Division of Environmental Biology (DEB) 0731350, National Science Foundation; $1,010,000, August 1, 2007–August 1, 2012, $116,155/year (OH $15,000).

"ISLES—Island Survey to Locate Endemics"; J.A. Cook, PI; USDA Forest Service; $100,000, September 1, 2008–September 1, 2012, $50,000/year.

"Mongolia Vertebrate Parasite Project"; S. Gardner, PI, J.A. Cook, co-PI; Division of Environmental Biology (DEB) 0717214, National Science Foundation; $466,000, September 11, 2007–September 1, 2009, $ 210,000/year (grant and OH to University of Nebraska).

"Curation, Databasing, and Integration of the Orphaned Illinois Mammal Collection"; J.A. Cook, PI; DEB 0744025, National Science Foundation; $259,285, February 1, 2008–February 1, 2010.

CRIPPS, R.M.

"Genetic Regulation of Cell Fate in the *Drosophila* Heart"; R.M. Cripps, PI; National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health; $1,240,140, April 1, 2005–March 31, 2010, $248,000/year.

"Genetic Regulation of Muscle Fiber Diversity"; R.M. Cripps, PI; National Institute of General Medical Sciences (NIGMS), National Institutes of Health; $1,054,680, May 1, 2006–April 30, 2011, $264,000/year.

"Remodeling of the *Drosophila* Heart"; R.M. Cripps, PI; American Heart Association; $198,000; January 1, 2008–December 31, 2010, $66,000/year.

"Specification and Function of the *Drosophila* Cardiac Pacemaker"; R.M. Cripps, PI; March of Dimes Birth Defects Foundation; $270,000, May 1, 2008–April 30, 2011, $90,000/year.

HANSON, D.T.

"Light Enhanced ^{13}C Enrichment of Dark Respired CO_2: Implications for Leaf Internal CO_2 Conductance and Leaf Respiration in the Light"; D.T. Hanson, N.G. McDowell, and T.

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Rosenstiel (Portland State University), co-PIs; Integrative Organismal Biology Environmental and Structural Systems Cluster, National Science Foundation; $480,000 ($360,000 to UNM), August 15, 2007–June 30, 2010.

KODRIC-BROWN, A.

"Evolution of Reproductive Isolation in *Cyprinodon*"; A. Kodric-Brown, PI; NSF; $300,000, June 1, 2004–June 30, 2007, $88,725; no-cost extension, July 2008–June 2009.

LITVAK, M.E.

"Quantifying the Role of Summer Vs. Winter Precipitation on Carbon Uptake of Montane Forests"; M.E. Litvak, PI; Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA), National Science Foundation; $170,000, June 2006–December 2009.

"Carbon and Water Fluxes in Burned and Unburned Piñon–Juniper Woodland"; M.E. Litvak, W.T. Pockman, S.L. Collins, R. Pendleton and B. Pendleton, co-PIs; U.S. Forest Service; $67,000, July 2006–September 2009.

"Sevilleta Long Term Ecological Research IV: Long Term Ecological Research in a Biome Transition Zone"; S.L. Collins, PI, C.N. Dahm, W.T. Pockman, K. Vanderbilt and M.E. Litvak, co-PIs (+ 17 non-signatory co-PIs); Long Term Ecological Research (LTER) Program, Division of Environmental Biology, National Science Foundation; $5,040,000, October 1, 2006–September 30, 2011.

"Woody Plant Encroachment into Karst Terrain: Implications for Regional Cycles of Carbon, Water and Energy"; M.E. Litvak, PI, J. Heilman, K. McInnes and K. Owens, co-PIs; National Institute for Climate Change Research, U.S. Dept. of Energy; $395,000, August 2007–July 2010.

Do Vegetation–Microclimate Feedbacks Promote Shrub Encroachment in the Southwestern United States?"; M. Litvak, PI, S.L. Collins and W.T. Pockman, co-PIs; Ecosystems, National Science Foundation; $289,008, March 1, 2008–February 31, 2011.

"Linking Ecosystem Scale Vegetation Change to Shifts in Carbon and Water Cycling: The Consequences of Piñon Mortality in the Southwest"; M.E. Litvak, PI, R.L. Sinsabaugh, N. McDowell, T. Rahn and M. Ryan, co-PIs; Experimental Program to Stimulate Competitive Research (EPSCoR), U.S. Department of Energy; $495,000, June 1, 2008–May 31, 2011.

LOKER, E.S.

"Evo-epidemiology of *Schistosoma mansoni* in children in Kenya"; Fogarty International Center, RTW008127A, National Institutes of Health; $110,000, July 1, 2008–June 30, 2011.

"Evo-epidemiology of *Schistosoma mansoni* in Western Kenya"; E.S. Loker, PI; National Institutes of Health; $1,497,748, April 1, 2004–March 31, 2009.

"Biology of Trematode–Snail Associations"; E.S. Loker, PI; National Institutes of Health; $1,125,000, March 1, 2006–February 28, 2011.

LOWREY, T.K.

"New Mexico Biodiversity Collections Consortium"; T.K. Lowrey, PI; N.M. Minerals, Energy and Natural Resources Department; $125,000, July 15, 2008–June 30, 2009.

"Development of a Wildlife Conservation Plan for Albuquerque"; H.L. Snell and T.K. Lowrey, co-PIs; $55,000, May 1, 2008–June 30, 2009.

MARSHALL, D.L.

"Improved Mentoring, Professional Development, and Recruitment of Secondary Science and Math Instructors in New Mexico"; D.L. Marshall, PI, D.L. Earick, K. Watkins and M. Ondrias, co-PIs; National Science Foundation; $500,000, January 1, 2005–December 31, 2009.

MILLER, K.B.

"Survey of the Aquatic Insects of Northern Venezuela with an emphasis on Coleoptera"; A.E.Z. Short, PI, K.B. Miller, co-PI; Systematic Biology and Biodiversity Inventories grant #DEB–0816904, Division of Environmental Biology, National Science Foundation; $550,000, 2008–2011.

"Collaborative Research: Phylogeny, Behavior, and Silk Evolution of Webspinners (Embioptera), A Little–known Insect Order"; K.B. Miller, PI, C. Hayashi, J. Edgerly and M.F. Whiting, co-PIs; Systematic Biology and Biodiversity Inventories grant #DEB–0515924, Division of Environmental Biology, National Science Foundation; $481,537, (+ $5,600 Research Experiences for Undergraduates (REU) supplement, June 1, 2006; + $14,800 REU supplement, June 1, 2008), 2005–2009.

"Building Taxonomic Expertise in Cucujoidea: Monographic and Phylogenetic Studies of the Cerylonid Beetles"; J. McHugh, PI, K.B. Miller and M.F. Whiting, co-PIs; Partnerships for Enhancing Expertise in Taxonomy (PEET) grant #DEB–0329115, Division of Environmental Biology, National Science Foundation; $749,388, 2003–2009.

MILLER, R.D.

"Marsupial Immunobiology"; R.D. Miller, PI; National Science Foundation; $605,000; May 1, 2007–April 30, 2011, $150,000/year.

NATVIG, D.O.

"Does Drought Exacerbate Damage Caused by Bark-beetle-associated Fungi in Piñon–Juniper Woodland Ecosystems?"; D.O Natvig, PI; U.S. Forest Service; $62,000, April 1, 2007–May 30, 2010.

"Renovations to Increase Residence Capacity at the UNM Sevilleta Field Station"; S.L. Collins, PI, M. Friggens, W.T. Pockman, T.K. Lowrey and D.O. Natvig, co-PIs; National Science Foundation; $250,000, October 15, 2007–October 14, 2010.

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POCKMAN, W.T.

"Global Change Effects on Grass–Shrub Interaction in an Arid Ecosystem"; J.E. Fargione, S.L. Collins and W.T. Pockman, co-PIs; NSF DEB–Ecology; $297,494, July 15, 2005–July 14, 2009, $100,000/year.

"Sevilleta Long Term Ecological Research IV: Long Term Ecological Research in a Biome Transition Zone"; S.L. Collins, PI, C.N. Dahm, M.E. Litvak, W.T. Pockman and K. Vanderbilt, co-PIs (+ 17 non-signatory co-PIs); NSF-DEB, LTER Program; $5,040,000, October 1, 2006–September 30, 2012, $740,000/year.

"Hydraulic Mechanisms of Survival and Mortality During Drought in Piñon–Juniper Woodlands of Southwestern USA"; W.T. Pockman, PI; Program of Ecosystem Research (PER), DOE; $713,183; March 15, 2007–March 14, 2009, $360,000/year.

"Renovations to Increase Residence Capacity at the UNM Sevilleta Field Station"; S.L. Collins PI, M. Friggens, D.O. Natvig, T.K. Lowrey and W.T. Pockman, co-PIs; Division of Biological Infrastructure (DBI) Field Stations and Marine Labs, National Science Foundation; $250,000; September 1, 2007–August 31, 2010.

"Collaborative Research: Do Vegetation–Microclimate Feedbacks Promote Shrub Encroachment in the Southwestern United States?"; M. Litvak, S.L. Collins and W.T. Pockman, PIs (with P. D'Odorico, J. Fuentes and S. de Wekker, University of Virginia); Div. of Environ. Biol. (DEB), National Science Foundation; $289,008; March 1, 2008–February 28, 2011, $96,336/year.

"Ecosystem Consequences of Precipitation Variability and Extremes in Semiarid Grassland and Shrubland"; W.T. Pockman, PI, S.L. Collins and E.E. Small, co-PIs; National Institute for Climate Change Research (NICCR), DOE, via Northern Arizona University; $374,829; April 1, 2008–March 31, 2011, $125,000/year.

SINSABAUGH, R.L.

"Photodegradation of Plant Litter in Grassland Ecosystems: A Mechanism for Uncoupling C and N Biogeochemistry"; J.Y. King, S.E, Hobbie, D. Milchunas, W. Parton and R.L. Sinsabaugh, PIs; Ecosystem Science, National Science Foundation; $570,359, July 2006–July 2009.

"Linking Ecosystem Scale Vegetation Change to Shifts in Carbon and Water Cycling: The Consequences of Widespread Piñon Mortality in the Southwest"; M.E. Litvak (UNM PI), R.L. Sinsabaugh (UNM co-PI), N.G. McDowell (LANL PI), T. Rahn (LANL co-PI) and M. Ryan (USFS); U.S. Department of Energy Experimental Program to Stimulate Competitive Research (EPSCoR) Program; July 2008–July 2011, $450,000.

SMITH, F.A.

"Integrating Macroecological Pattern and Processes Across Scales"; F.A. Smith, PI, S.K.M. Ernest and S.K. Lyons, co-PIs; Research Coordination Network, National Science Foundation; $490,000, July 2006–June 2011.

"Applications of Mathematics, Physics and Computer Science for Investigating the Structure and Dynamics of Complex Biological Systems"; J.H. Brown, PI, F.A. Smith, S. Forrest, V.M. Kenkre, co-PIs; Interdisciplinary Biomedical Sciences PiBs, Howard Hughes Medical Institute; $1,000,000, January 2006–December 2008, one-year, no-cost extension to December 2009.

SNELL, H.L.

"Development of a Wildlife Conservation Plan for the City of Albuquerque"; H.L. Snell and T.K. Lowrey, co-PIs; City of Albuquerque, NM; $55,000, August 2007–June 30, 2010, $15,000/year.

TAKACS-VESBACH, C.D.

"RCN: Geothermal Biology and Geochemistry in Yellowstone National Park"; W. Inskeep (Montana State University), PI, C. Takacs-Vesbach, co-PI; Research Coordination Networks, National Science Foundation; $0 (no funds for UNM), September 2004–September 2009.

TURNER, T.F.

"New Mexico Share-with-Wildlife Program: Baseline Genetic Data for the Threatened Pecos Bluntnose Shiner (*Notropis simus pecosensis*)"; T.F. Turner, PI, M. Osborne, co-PI; N.M. Department of Game and Fish, $24,000, January 1, 2006–June 30, 2009, $8,000/year.

"Assessment of Diversity at the Major Histocompatability Complex in the Rio Grande Silvery Minnow (*Hybognathus amarus*)"; M.J. Osborne, PI, T.F. Turner, co-PI; U.S. Fish and Wildlife Service, Department of the Interior; $96,000, September 21, 2006–August 30, 2009, $48,000/year.

"Community Responses to River Drying in an Arid-land Ecosystem: a Field and Experimental Study"; T.F. Turner, PI; National Science Foundation; Total Award: $345,000 ($115,000 F&A), August 15, 2007–July 31, 2010.

"Conservation Genetics of Zuni Bluehead Sucker"; T.F. Turner, PI; N.M. Department of Game and Fish; $15,340 ($2,557 F&A), August 1, 2008–June 30, 2009.

"Survey of Aquatic Community Structure and Food Web Constituents at the Bosque del Apache National Wildlife Refuge"; T.F. Turner, PI; Tetra Tech, Inc.; $53,000 ($10,937 F&A), August 1, 2008–December 30, 2009.

"Undergraduate Research Mentoring (URM): Undergraduate Nurturing Opportunities (UNO)"; J.A. Cook, PI, T.F. Turner and five others, co-PIs; National Science Foundation; $1,010,000 ($276,384 F&A), August 1, 2007–August 1, 2012.

"Assessment and Monitoring of Rio Grande Silvery Minnow Genetics"; T.F. Turner, PI, M. Osborne, co-PI; U.S. Bureau of Reclamation/Middle Rio Grande Endangered Species Act (ESA) Collaborative Program; $772,000 (contingent on annual renewals) ($114,978 F&A), October 1, 2007–September 30, 2012.

WAIDE, R.B.

"Promoting Synthesis in the LTER Network," supplement to the Long Term Ecological Research (LTER) Network Cooperative Agreement; R.B. Waide, PI; National Science Foundation; $150,000, October 1, 2006–February 29, 2009.

"A Proposal for Travel Support to the 2006 LTER All Scientists Meeting," supplement to the Long Term Ecological Research (LTER) Network Cooperative Agreement; R.B. Waide, PI; National Science Foundation; $293,755, May 1, 2006–February 29, 2009.

"Long Term Ecological Research in the Luquillo Experimental Forest IV"; R.B. Waide, PI; sub-award from the University of Puerto Rico–Rio Piedras, National Science Foundation; $150,000, December 1, 2006–November 30, 2012; $25,000/year.

"Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, PIs; National Science Foundation; $8,100,000, March 1, 2003–February 28, 2010 (no-cost extension), $1,398,721/year.

"Amendment 1 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation;$317,600, June 3, 2003–February 28, 2010; varies.

"Amendment 2 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation;$52,200, August 14, 2003–February 28, 2010; varies.

"Amendment 4 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $100,000, July 28, 2005–February 28, 2010; varies.

"Amendment 5 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $1,436, July 28, 2005–February 28, 2010; varies.

"Amendment 7 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $175,000, September 9, 2005–February 28, 2010; varies.

"Amendment 9 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $265,000, August 3, 2006–February 28, 2010; varies.

"Amendment 10 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $150,000, August 30, 2006–February 28, 2010; varies.

"Amendment 12 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $100,000, April 20, 2007–February 28, 2010; varies.

"Amendment 13 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $200,000, April 20, 2007–February 28, 2010; varies.

"Amendment 15 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $99,380, September 25, 2007–February 28, 2010; varies.

"Amendment 18 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $100,000, May 2, 2008–February 28, 2010; varies.

"Amendment 19 to the Cooperative Agreement for the Network Office of the Long Term Ecological Research Network"; R.B. Waide, J. Brunt, W.K. Michener and J. Vande Castle, co-PIs; National Science Foundation; $540,000, March 1, 2003–February 28, 2010; varies.

WERNER-WASHBURNE, M.

"UNM–Initiatives to Maximize Student Diversity (IMSD)"; M. Werner-Washburne, Co-PI; National Institute of General Medical Sciences (NIGMS), National Institutes of Health; $2,000,000, February 1, 2005–January 31, 2009, $535,000/year (direct + indirect costs).

"The Biogenesis and Survival of Vegetative, Quiescent Yeast Cells"; M. Werner-Washburne, PI; Division of Molecular and Cellular Biosciences (MCB) 0645854, National Science Foundation; $660,000, March 1, 2007–February 28, 2011.

WITT, C.C.

"The Phylogenetic and Biogeographic History of High Altitude Adaptation in Hummingbirds: Selection on Hemoglobin Proteins as a Function of Oxygen Supply and Demand"; J.A. McGuire, PI, written and carried out by C.C. Witt, co-PI; DEB-0543556, National Science Foundation; $100,340 awarded in 2007 to University of California–Berkeley, no-cost extension awarded in 2009 (~$100,000 remaining).

WOLF, B.O.

"Desert Tortoises as Walking Tree Rings: Evaluating the Effects of Climate and Resource Variability on Tortoise Growth and Survival Using Stable Isotopes"; I. Murray and B.O. Wolf, co-PIs; Arizona Game and Fish Department; $59,5439, 2008-09, 2010.

"Use of Wildlife Water Developments by the Bird and Bat Community on the Kofa National Wildlife Refuge, Arizona"; B.O. Wolf, PI; Arizona Game and Fish Department, $74,9994, January 30, 2008–February 1, 2009.

"Linking Nutrient Flux in a Desert Food Web to the Allocation Dynamics in Lizards: Combining Stable Isotopes and Ecological Stoichiometry"; R. Warne and B.O. Wolf, co-PIs; Doctoral Dissertation Improvement Grant, Division of Environmental Biology 0710128, National Science Foundation; $11,987, June 15, 2007–May 31, 2009.

B. Other.

KODRIC-BROWN, A.

Submitted an Institutional Animal Care and Use Committee (IACUC) proposal.

NATVIG, D.O.

Joint Genome Institute sequencing of *Neurospora discreta* and *Neurospora tetrasperma*, J.W. Taylor and N.L. Glass (University of California–Berkeley), D.J. Jacobson (Stanford University), and D.O. Natvig (UNM), PIs.

TURNER, T.F.

Travel Award to a national workshop, "Transforming Undergraduate Education in Biology: Mobilizing the Community for Change," sponsored jointly by the American Association for Advancement of Science and the National Science Foundation, Washington DC, July, 15-17, 2009. Participation was by invitation only.

IV. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES.

A. Invited or Plenary Talks at Professional Meetings, Workshops, Etc.

ADEMA, C.M.

Adema, C.M. and E.S. Loker. 2009. *Biomphalária glabrata* (Gastropoda, Mollusca) responses to immune challenges, a genomics perspective. 26th ESCPBnew Congress, New European Society for Comparative Physiology and Biochemistry, Symposium: Environmental Stimuli and Their Impact on Homeostasis and Gene Regulation. Innsbruck, Austria, September 6, 2009.

BROWN, J.H.

Invited Plenary Lecture, National Academy of Sciences, New York NY, February 2009.

"Metabolism Is to Ecology As Genetics Is to Evolution," Linnaeus Lecture, University of Uppsala, Sweden, February 2009.

Invited Seminar Lecture, University of Oslo, Norway, February 2009.

Graduate Student Invited Talk, University of Michigan, MI, March 2009.

Alumni Distinguished Lecture, University of Kansas, KS, April 2009.

Featured session: "Metabolic Ecology," British Ecological Society, University of Hertfordshire, UK, September 2009.

COOK, J.A.

Invited Talk, "Island Life: Coming to Grips with the Insular Nature of Southeast Alaska," Dahlem Conference on Resource Management of Tongass National Forest, Juneau AK, February 2009.

"A Variable Demographic History of the Holarctic Tundra Shrew (*Sorex tundrensis*)," 10th International Mammal Congress, Mendoza, Argentina, August 2009.

"Distribution Modeling and Statistical Phylogeography of the Western Jumping Mouse (*Zapus princeps*): Admixture vs. Vicariance," 10th International Mammal Congress, Mendoza, Argentina, August 2009.

"An Overview of Mammalian Phylogeography in North America," 10th International Mammal Congress, Mendoza, Argentina, August 2009.

"Evolutionary Epidemiology of Andes Virus: Bayesian Analyses Reveal Increase in the Number of Infections in Rodents and Humans Congruent with Increase in HCPS Cases," Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC, November 2009.

LITVAK, M.E.

"Large-scale Processes," Sevilleta Long Term Ecological Research (LTER) National Science Foundation site review, Sevilleta LTER, Socorro NM, August 14, 200.

Litvak, M.E. and A.M. Fox 2009. Determining the sensitivity of New Mexico biomes to predicted climate change scenarios of the Southwest. Invited talk, AmeriFlux Annual Meeting, Washington DC, September 21-23, 2009.

"Quantifying the Sensitivity of Vegetation to Climate Change Across a New Mexico Elevation Gradient," Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA) Annual Meeting, National Science Foundation, Tuscon AZ, Sept. 24, 2009.

Guenther, A.B., A. Turnipseed, T. Duhl, S. Shertz, T. Karl, R. Monson, M.E. Litvak, K.J. Jardine, L. Abrell, C. Geron and R. Seco. 2009. An above-canopy flux network for improving and evaluating biogenic VOC emission models: GLOBal Organic Emissions NETwork (GLOBOENET). Invited talk, Annual Meeting of the American Geophysical Union (AGU), San Francisco CA, December 7-11, 2009.

NATVIG, D.O.

"Ecology and Evolution of Thermophilic Fungi," Thermophilic Fungal Annotation Jamboree, Joint Genome Institute, U.S. Department of Energy, Walnut Creek CA, November 2009.

SINSABAUGH, R.L.

Photooxidation vs. Enzymatic oxidation: The Fate of Organic Matter in Arid Soils. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 7, 2009.

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SMITH, F.A.

Lyons, S.K. and F.A. Smith. 2009 Where did all the mastodons go? Global patterns of late Pleistocene megafaunal extinction. Symposium on "Extinction", International Biogeography Society, Mérida, México, January 8-12, 2009. (Presenter: S.K. Lyons; co-chair and organizer of symposium with S. Jackson and J. Williams.)

Boyer, A.G., S. Finnegan, JM. Kowalewski, R.A. Krause, Jr., S.K. Lyons, C.R. McClain, D.W. McShea, P.M. Novack-Gottshall, J.L. Payne, F.A. Smith, J.A. Stempien and S.C. Wang. 2009. An upper limit to maximum animal body size through the Phanerozoic. NESCent Working Group on Body Size, Symposium on "Size matters: Pursuing General Laws in Body-size Evolution and Ecology", 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009. (Presenter: A.G. Boyer; chaired by S. Finnegan, R.A. Krause and P.M. Novack-Gottshall.)

Finnegan, S., A.G. Boyer, JM. Kowalewski, R.A. Krause, Jr., S.K. Lyons, C.R. McClain, D.W. McShea, P.M. Novack-Gottshall, J.L. Payne, F.A. Smith, J.A. Stempien and S.C. Wang. 2009. Size invariant extinction risk in the marine fossil record. NESCent Working Group on Body Size, Symposium on "Size matters: Pursuing General Laws in Body-size Evolution and Ecology", 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009. (Presenter: S. Finnegan; chaired by S. Finnegan, R.A. Krause and P.M. Novack-Gottshall.)

Lyons, S.K. A.G. Boyer, J.H. Brown, D.P. Costa, T. Dyan, S.K.M. Ernest, A.R. Evans, M. Fortelius, M.J. Hamilton, L.E. Harding, K. Lintulaakso, J.J. Saarinen, R. Sibly, F.A. Smith, J. Theodor and M. Uhen. 2009. Community body size distributions of mammals differ among trophic groups, but not across time. NESCent Working Group on Body Size, Symposium on "Size matters: Pursuing General Laws in Body-size Evolution and Ecology", 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009. (Presenter: S.K. Lyons; chaired by S. Finnegan, R.A. Krause and P.M. Novack-Gottshall.)

Novack-Gottshall, P.M., A.G. Boyer, S. Finnegan, JM. Kowalewski, R.A. Krause, Jr., S.K. Lyons, C.R. McClain, D.W. McShea, J.L. Payne, F.A. Smith, J.A. Stempien and S.C. Wang. 2009. Variation in local body size distributions of fossil and modern taxonomic groups may reflect habitat and life-history differences. NESCent Working Group on Body Size, Symposium on "Size matters: Pursuing General Laws in Body-size Evolution and Ecology", 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009. (Presenter: P.M. Novack-Gottshall; chaired by S. Finnegan, R.A. Krause and P.M. Novack-Gottshall.)

Smith, F.A., L. Harding and I.W. Murray. 2009. Of mice and men: What long-dead rats reveal about biotic responses to past environmental change. Plenary Session on "Evolution and Society", 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009. (Chaired by L. Park, C. Badley and J. Trapani.)

Smith, F.A., L.E. Harding and I.W. Murray. 2009. What's hidden in a midden? Packrats provide an archive of late Quaternary environments. Symposium on "The Past as the Key to the Future: Palaeo Perspectives on Climate Change," 10th International Congress of Ecology (INTECOL), Brisbane, Australia, August 16-21, 2009. (Chaired by A.C. Carnaval, S. Cameron, C. Moritz and R. Bowie.)

TURNER, T.F.

Turner, T.F., T.J. Krabbenhoft, M.L. Collyer and M.S. Edwards. 2009. Effects of river regulation on Rio Grande fish communities revealed by stable isotope analysis of historical and contemporary samples. Toward a Sustainable Future for the Middle Rio Grande Ecosystem, 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Brunner, S., J.A. Cook, T.F. Turner and W. Gannon. 2009. URM–UnO–UNM: That spells student success! Transforming Undergraduate Education in Biology: Mobilizing the Community for Change, American Association for Advancement of Science and National Science Foundation, Washington DC, July, 15-17, 2009.

Burdett, A.S. and T.F. Turner. 2009. A study of temporal dynamics in a dryland river: The middle Rio Grande, New Mexico. First Annual Meeting of the International Society for River Science, St. Petersburg FL, July 12-17, 2009.

WAIDE, R.B.

Waide, R.B. 2009. In it for the long haul: Results from the first 30 years of the LTER Network. Keynote speech, Regional Meeting of the National Council of University Research Administrators (NCURA), Santa Fe NM, April 6, 2009.

WERNER-WASHBURNE, M.

"Holistic Mentoring: What I Learned From My Grandmother," Mentoring Institute, UNM, November 18, 2009.

WOLF, B.O.

"Avian Mortality During Heat Waves and Drought: the Role of Climate Change and Extreme Events," Desert Dynamics Conference, Arizona State University, Tempe AZ, February 26–March 1, 2009.

B. Contributed Talks at Professional Meetings, Workshops, Etc.

ADEMA, C.M.

Adema C.M., P.C. Hanington, C.M. Lun, J. Gauntt, S.-M. Zhang and E.S. Loker. 2009. Genome level diversification of FREPs in hemocytes of the gastropod mollusc *Biomphalaria glabrata*. 11th ISDCI International Congress of International Society of Development and Comparative Immunology, Prague, Czech Republic, July 4, 2009.

Hanington, P.C., C.M. Lun, C.M. Adema and E.S. Loker. 2009. Characterization of acquired resistance to parasite infection in the snail *Biomphalaria glabrata*. 11th International Congress of International Society of Development and Comparative Immunology, Prague, Czech Republic, July 4, 2009.

Lun, C.M., P.C. Hanington. C.M. Adema and E.S. Loker. 2009. Differential transcriptomic responses of the snail *Biomphalaria glabrata* to two trematode parasites, *Schistosoma mansoni* and *Echinostoma paraensei*. 11th International Congress of International Society of Development and Comparative Immunology, Prague, Czech Republic, July 4, 2009.

Lun, C.M., P.C. Hanington, C.M. Adema and E.S. Loker. 2009. Characterizing the transcriptional profile of *Biomphalaria glabrata* after immunological challenge. 84th Annual Meeting of the American Society of Parasitologists, Knoxville TN, August 14, 2009.

Hanington, P.C., C.M. Adema, C.M. Lun and E.S. Loker. 2009. Characterizing the transcriptional profile of *Biomphalaria glabrata* after bacterial and parasite challenge. 58th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC, November 18, 2009.

BROWN, J.H.

Davidson, A.D., M.J. Hamilton, A.G. Boyer, J.H. Brown and G. Ceballos. 2009. Multiple ecological pathways to extinction in mammals. Invited presentation, Biogeography of Extinction Symposium, Fourth Biannual Meeting of the International Biogeography Society, Mérida, Yucatán, México, January 8-12, 2009.

Okie, J.G., W. Zuo and J.H. Brown. 2009. From islands to continents: Species body size distributions and macroecological scaling theory. Fourth Biannual Meeting of the International Biogeography Society, Mérida, Yucatán, México, January 8-12, 2009 (poster).

Davidson, A.D., E. Ponce, S.L. Brantley, J. Cruzado, E.L. Fredrickson, R. Sierra, R. List, D.C. Lightfoot, D. Toledo, J.H. Brown and G. Ceballos. 2009. Interactive effects of native and exotic herbivores: Prairie dogs and cattle cause rapid changes to a grassland community. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

DeLong, J.P., J.G. Okie, M.E. Moses, R.M. Sibly and J.H. Brown. 2009. Scaling of metabolic rate across the evolutionary transitions from prokaryotes, to unicellular eukaryotes, to multicellular organisms. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009 (poster).

Okie, J.G. and J.H. Brown. 2009. Niches, body sizes, and the disassembly of mammal communities on the Sunda Shelf islands. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009 (poster).

Davidson, A.D., M.J. Hamilton, A.G. Boyer, J.H. Brown and G. Ceballos. 2009. Multiple ecological pathways to extinction in mammals. Global Patterns of Mammal Species Distribution: Implications for Macroecology and Conservation Symposium, International Mammalogical Congress, Mendoza, Argentina, August 9-14, 2009(invited presentation).

Davidson, A.D., S.L. Brantley, J.H. Brown, J. Cruzado, E.L. Fredrickson, D.C. Lightfoot, R. List, P. Manzano-Fischer, E. Ponce, J. Pacheco, G. Santos, R. Sierra and G. Ceballos. 2009. The Janos grassland ecosystem: Twenty years of synthesis and experimental research revealing new insights for conservation and management. Ecology and Conservation of the U.S.-Mexico Borderlands Region Symposium, U.S.G.S. and the Society for Conservation Biology's 10th Biennial Conference of Research on the Colorado Plateau, Flagstaff AZ, October 5-8, 2009 (invited presentation).

Featured session, "Metabolic Ecology," British Ecological Society University of Hertfordshire, Hertfordshire, U.K., September 2009.

COLLINS, S.L.

94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009. (co-author on six other presentations)

52nd International Association for Vegetation Science (IAVS) Symposium, Chania, Island of Crete, Greece, June 2009.

Israel–Jordan Long Term Ecological Research (LTER) planning meeting, Israel and Jordan, June 2009.

Fall Meeting of the American Geophysical Union (AGU), San Francisco CA, December 14-18, 2009.

2009 Long Term Ecological Research (LTER) All Scientists Meeting, Estes Park CO, September 13-17, 2009.

COOK, J.A.

"Biogeography of the Mammals of the North Pacific Coast," International Biogeography Society, Mérida, Yucután, México, January 2009.

"Spatiotemporal Demography of the Holarctic Tundra Shrew (*Sorex tundrensis*)," American Society of Mammalogists, Fairbanks AK, June 2009.

CUNNINGHAM, C.

Cupit, P.M., A. D. Aragon, T. Goronga, T.R. Webb and C. Cunningham. 2009. Understanding the biology of schistosomes in response to praziquantel. American Society of Tropical Medicine and Hygiene, Washington DC, November 18, 2009.

HANSON, D.T.

Graham, L.E., M.E. Cook and D.T., Hanson. 2009. Evidence that the enigmatic Paleozoic macrofossil Prototaxites formed from wind-rolled liverwort mats. Botanical Society of America, Snowbird UT, July 25-29, 2009.

HOFKIN, B.V.

Greenberg, J., A. Mizell, M. Dimenna and B. Hofkin. 2009. Mosquito Feeding Patterns in Bernallilo County, New Mexico and Their Implications for the Transmission of West Nile Virus. Annual Meeting of the Society for the Advancement of Chicanos and Native Americans in Science, Dallas TX, October 15–18, 2009.

Greenberg, J., A. Mizell, M. Dimenna and B. Hofkin. 2009. Mosquito Feeding Patterns in Bernallilo County, New Mexico and Their Implications for the Transmission of West Nile Virus. Annual Symposium of Initiatives to Maximize Student Diversity (IMDA)/Minority Access to Research Careers (MARC) Research Symposium, Albuquerque NM, August 13, 2009.

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KATJU, V.

"Variation in the Patterns and Features of Young Gene Duplicates in Yeast Relative to Worm: Diversity of the Duplication Process or Differing Selective Regimes or Both?", "Darwin to the Next Generation," Annual Meeting of the Society for Molecular Biology and Evolution, Iowa City IA, June 3-7, 2009.

LITVAK, M.E.

Moore, G.W., J.L. Heilman, K.T. Rebel, M.K. Owens, M.E. Litvak and B.F. Nero. 2009. Soil depth constrains whether evapotranspiration contrasts between vegetation types. 2009 European Geosciences Union (EGU) General Assembly (Vienna, Austria, April 19-24, 2009) *Geophysical Research Abstracts* 11:EGU2009-0.

Brooks, P.D., J. Gustafson, K. Heuer, M. Litvak, N. Molotch, K. Musselman and W. Veatch. 2009. Snow, soil and vegetation interactions in montane ecosystems: Evaluating biotic and abiotic factors controlling water, carbon and nitrogen cycles. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Litvak, M.E., K. A. Teixera, A.M. Fox and J. DeLong. 2009. Determining the sensitivity of New Mexico biomes to predicated climate change scenarios of the Southwest. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Litvak, M.E., K. Anderson-Teixera and A.M Fox. 2009. The sensitivity of New Mexico biomes to predicted climate change scenarios. Fall Meeting of the American Geophysical Union Annual Meeting, San Francisco CA, December 7-11, 2009.

LOKER, E.S.

Loker, E.S. 2009. Macroevolutionary implications of immunological phenomena: The example of trematodes and snails. 11th Congress of the International Society for Developmental and Comparative Immunology, Prague, Czech Republic, June 28–4 July 4, 2009.

Hanington P.C., C.M. Lun, C.M. Adema and E.S. Loker. 2009. Characterization of acquired resistance to parasite infection in the snail *Biomphalaria glabrata*. 11th Congress of the International Society for Developmental and Comparative Immunology, Prague, Czech Republic, June 28–4 July 4, 2009.

Adema C.M., C.M. Lun, J. Gauntt, S.-M. Zhang and E.S. Loker. 2009. Genome level diversification of freps in hemocytes of the gastropod mollusc *Biomphalaria glabrata*. 11th Congress of the International Society for Developmental and Comparative Immunology, Prague, Czech Republic, June 28–4 July 4, 2009.

Lun C.M., P.C. Hanington, C.M. Adema and E.S. Loker. 2009. Characterization of the transcriptional profile of *Biomphalaria glabrata* after bacterial and parasite challenge. 11th Congress of

the International Society for Developmental and Comparative Immunology, Prague, Czech Republic, June 28–4 July 4, 2009.

Loker, E.S. and S.V. Brant. 2009. Avian and Mammalian Schistosomes Compared. 3rd Workshop on Bird Schistosomes and Cercarial Dermatitis, Rejckov-Kouty, Czech Republic, July 6-10, 2009.

Loker, E.S. 2009. Macroevolutionary implications of immunological phenomena: The example of trematodes and snails. Western Region COBRE-INBRE Scientific Conference, Big Sky MT, September 16-18, 2009.

Loker, E.S. Schistosomiasis in Africa. Southwest Symposium on Global Health, UNM, October 13-14, 2009.

Hanington, P.C., C.M. Adema, C.M. Lun and E.S. Loker. 2009. Characterization of the transcriptional profile of *Biomphalaria glabrata* after bacterial and parasite challenge. 58th Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC, November 18-22, 2009.

Brant, S.V. and E.S. Loker. 2009. Etiology and epidemiology of cercarial dermatitis in North America. 58th Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC, November 18-22, 2009.

Hanelt, B., S.V. Brant, M.L. Steinauer, G.M. Maina, J.M. Kinuthia, E.L. Agola, I.N. Mwangi, B.N. Mungai, M.W. Mutuku, E.S. Loker and G.M. Mkoji. 2009. A survey of rodents for schistosomes from the Lake Victoria basin, Kenya, the discovery of a new schistosome species, and the implications for schistosomiasis control strategies. 58th Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC, November 18-22, 2009.

LOWREY, T.K.

Lowrey, T., M. Garcia and A. Porras-Alfaro. Plant–fungal symbioses in gypsophilic plants. Botany 2009, Snowbird UT, July 25-29, 2009.

MARSHALL, D.L.

Simpson, H.L. and Marshall, D.L. 2009. Comparisons of geographical distribution, phenotypic and genotypic variation of an invasive mustard *Isatis tinctoria* (Brassicaceae) in its introduced range. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Barnes, M.G. and Marshall, D.L. 2009. The effect of plant source location on revegetation success: a reciprocal transplant experiment with the native shrub winterfat (*Krascheninnikovia lanata*). 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Abrahamson, N.J. and Marshall, D.L. 2009. The role of seismonasty in reducing *Eurema lisa* (Lepidoptera: Pieridae) oviposition on *Mimosa pudica*. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Marshall, D.L. 2009. Functional relationships between levels of sorting among mates in wild radish: Effects on patterns of seed paternity. Annual Meeting of the Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Boulder CO, September 15-17, 2009.

MILLER, K.B.

"Sex, Genitalia, and Sperm in the Diving Beetles," 57th Annual Meeting of the Entomological Society of America, Indianapolis IN, December 13-16, 2009.

MILLER, R.D.

"Non-conventional T Cell Receptors in Marsupials and Monotremes," 12th Congress of the International Society for Developmental and Comparative Immunology, Prague, Czech Republic, June 28–July 4, 2009.

"Content, Organization and Expression of Immunoglobulin Genes in the Opossum *Monodelphis domestica*," 12th Congress of the International Society for Developmental and Comparative Immunology, Prague, Czech Republic, June 28–July 4, 2009.

POE, S.

Anoils Lizards as Model Colonizers, Society for the Study of Amphibians and Reptiles, Portland OR, June 1, 2009.

"*Anolis* Lizards as Model Colonizers, Harvard University, Cambridge, MA, September 1, 2009.

SINSABAUGH, R.L.

Sinsabaugh, R.L. and J.J. Follstad Shah. 2009. Integrating resource utilization and temperature in metabolic scaling of riverine bacterial production. Annual Meeting of the North American Benthological Society, Lansing MI, May 18, 2009.

Herrera, J. A. Porras-Alfaro, H. Khidir, D. Eudy, R. Sinsabaugh and D. Natvig. 2009. Trans-continental patterns of root-associated fungal communities colonizing a dominant grass, *Bouteloua gracilis*. Annual Meeting of the Mycological Society of America, Snowbird UT, July 25-29.

Brandt, L.A., J.Y. King, S.E. Hobbie, D.G. Milchunas and R.L. Sinsabaugh. 2009. The role of photodegradation in litter decomposition patterns in grassland ecosystems: Results from a two-year multi-site field experiment. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 4, 2009.

Porras-Alfaro, A., J. Herrera, H. Khidir, D. Eudy, R. Sinsabaugh and D.O. Natvig. 2009. Fungal symbionts in dominant grasses: A comprehensive view of plant-fungal systems at different scales. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 5, 2009.

Follstad Shah, J.J., M.J. Harner, T.M. Tibbets, C.N. Dahm and R. Sinsabaugh. 2009. Flood regime versus plant species effects on soil N cycling in semiarid riparian forests. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 6, 2009.

Stansbury, S., K. Suding, R. Sinsabaugh and A. Porras-Alfaro. 2009. Effect of nitrogen fertilization on two dominant plant species in an alpine tundra in Colorado. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 5, 2009.

Hutchinson, M., J. Belnap, J. Herrera, R. Sinsabaugh and A. Porras-Alfaro. 2009. Root-associated fungal communities colonizing two dominant semiarid grasses: *Hilaria* sp. and *Stipa* sp. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 5, 2009.

SMITH, F.A.

Murray, I.W. and F.A. Smith. 2009. Life in an extreme environment: The effects of heat on foraging and survival of woodrats (Neotoma) in Death Valley, CA. Annual Meeting of the Society of Integrative and Comparative Biology (SICB), Boston MA, January 3-7, 2009.

Crawford, D. 2009. A desert runs though it: Comparative phylogeography of three rodent taxa across the highlands of Mexico and the southern United States. Fourth Biennial Conference of the International Biogeographical Society Mérida, México, January 8-12, 2009.

Harding, L.E., F.A. Smith, S.K. Lyons, K.M. Youberg, and J.H. Brown. 2009. Globetrotting: Patterns of similarity in mammalian distributions across continents. Fourth Biennial Conference of the International Biogeographical Society, Mérida, México, January 8-12, 2009.

Lyons, S.K. and F.A. Smith. 2009 Where did all the mastodons go? Global patterns of late Pleistocene megafaunal extinction. International Biogeography Society, Mérida, México, January 8-12, 2009.

Smith, F.A., A.G. Boyer, J.H. Brown, D.P. Costa, T. Dayan, A. Evans, S.K. M. Ernest, M. Fortelius, L.E. Harding, K. Lintulaakso, S.K. Lyons, R. Sibly, J. Saarinen, J. Theodor and M. Uhen. 2009. Size matters: Examining patterns of maximum body size of mammals over time and space. Fourth Biennial Conference of the International Biogeographical Society, Mérida, México, January 8-12, 2009.

Whiteman, S. and F.A. Smith. 2009. A tale of two continents: Body size, ecology and the Great American Biotic Interchange. Fourth Biennial Conference of the International Biogeographical Society, Mérida, México, January 8-12, 2009.

Boyer, A.G., S. Finnegan, JM. Kowalewski, R.A. Krause, Jr., S.K. Lyons, C.R. McClain, D.W. McShea, P.M. Novack-Gottshall, J.L. Payne, F.A. Smith, J.A. Stempien and S.C. Wang. 2009. An upper limit to maximum animal body size through the Phanerozoic. 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009.

Finnegan, S., A.G. Boyer, JM. Kowalewski, R.A. Krause, Jr., S.K. Lyons, C.R. McClain, D.W. McShea, P.M. Novack-Gottshall, J.L. Payne, F.A. Smith, J.A. Stempien and S.C. Wang. 2009. Size invariant extinction risk in the marine fossil record. 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009.

Lyons, S.K. A.G. Boyer, J.H. Brown, D.P. Costa, T. Dyan, S.K.M. Ernest, A.R. Evans, M. Fortelius, M.J. Hamilton, L.E. Harding, K. Lintulaakso, J.J. Saarinen, R. Sibly, F.A. Smith, J. Theodor and M. Uhen. 2009. Community body size distributions of mammals differ among trophic groups, but not across time. 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009.

Novack-Gottshall, P.M., A.G. Boyer, S. Finnegan, JM. Kowalewski, R.A. Krause, Jr., S.K. Lyons, C.R. McClain, D.W. McShea, J.L. Payne, F.A. Smith, J.A. Stempien and S.C. Wang. 2009. Variation in local body size distributions of fossil and modern taxonomic groups may reflect habitat and life-history differences. 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009.

Smith, F.A., L. Harding and I.W. Murray. 2009. Of mice and men: What long-dead rats reveal about biotic responses to past environmental change. 9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009.

Harding, L.E., F.A. Smith, S.K. Lyons, K.M. Youberg, and J.H. Brown. 2009. Globetrotting: Patterns of similarity in mammalian distributions across continents. Annual Meeting of the American Society of Mammalogists, Fairbanks AK, June 24-28, 2009.

Martin, JT, F.A. Smith, H.M. Lease, I.W. Murray and L.E. Harding. 2009. You are what you eat: The key role of mesquite in promoting survival in an extreme environment. Annual Meeting of the American Society of Mammologists, Fairbanks AK, June 24-28, 2009.

Murray, I.W. and F.A. Smith. 2009. Life in an extreme environment: Using iButtons to explore the foraging ecology of woodrats (Neotoma) in Death Valley, CA. Annual Meeting of the American Society of Mammalogists, Fairbank AK, June 24-28, 2009.

Harding, L.E., F.A. Smith, S.K. Lyons, K.M. Youberg, and J.H. Brown. 2009. Globetrotting: Patterns of similarity in mammalian distributions across continents. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Martin, JT, F.A. Smith, H.M. Lease, I.W. Murray and L.E. Harding. 2009. You are what you eat: The key role of mesquite in promoting survival in an extreme environment. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Smith, F.A., A.G. Boyer, J.H. Brown, D.P. Costa, T. Dayan, A. Evans, S.K. M. Ernest, M. Fortelius, L.E. Harding, K. Lintulaakso, S.K. Lyons, R. Sibly, J. Saarinen, J. Theodor and M. Uhen. 2009. Size matters: Examining patterns of maximum body size of mammals over time and space. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Whiteman, S. and F.A. Smith. 2009. A tale of two continents: Body size, ecology and the Great American Biotic Interchange. Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Martin, JT, F.A. Smith, H.M. Lease, I.W. Murray and L.E. Harding. 2009. You are what you eat: The key role of mesquite in promoting survival in an extreme environment. IMSD/MARC Research Symposium, Albuquerque, NM., August 13, 2009.

Smith, F.A., L.E. Harding and I.W. Murray. 2009. What's hidden in a midden? Packrats provide an archive of late Quaternary environments. 10th International Congress of Ecology (INTECOL), Brisbane, Australia, August 16-21, 2009.

Smith, F.A., S.K. Lyons and S.M. Elliott. 2009. Mammoth burps: Do anthropogenic influences on the ecosystem predate the Holocene? Annual Meeting of the Geological Society of America, Portland OR, October 18-21, 2009.

Whiteman, S. and F.A. Smith. 2009. A tale of two continents: Body size, ecology and the Great American Biotic Interchange. Annual Meeting of the Geological Society of America, Portland OR, October 18-21, 2009.

SNELL, H.L.

Giermakowski, J.T. and H. L. Snell. 2009. Improving models of distribution for amphibians and reptiles of New Mexico. Annual Meeting of the New Mexico and Arizona Chapters of The Wildlife Society, Gallup NM, February 2009.

Giermakowski, J.T. and H. L. Snell. 2009. Where species could be: Statewide models of distribution for amphibians and reptiles of New Mexico. Southwestern Partners in Amphibian and Reptile Conservation, St. George UT, September 2009.

TURNER, T.F.

Fencl, J.S., A.S. Burdett and T.F. Turner. 2009. Comparison of invertebrate sampling methods in the Middle Rio Grande. 57th Annual Meeting of the North American Benthological Society, Grand Rapids MI, May 16-23, 2009.

Tellez, M.K., A.S. Burdett and T.F. Turner. 2009. Length–mass relationships for freshwater macroinvertebrates of the Middle Rio Grande, NM. 57th Annual Meeting of the North American Benthological Society, Grand Rapids MI, May 16-23, 2009.

Turner, T.F., D. Alò and W.J. Matthews. 2009. Phylogeography of the orangebelly darter (*Etheostoma radiosum*). Joint Meeting of the American Society of Ichthyologists and Herpetologists, Portland OR, July 22-27, 2009.

Fencl, J.S., A.S. Burdett and T.F. Turner. 2009. Comparison of invertebrate sampling methods in the Middle Rio Grande. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Tellez, M.K., A.S. Burdett and T.F. Turner. 2009. Allometric relationships between linear body dimensions and dry mass for some freshwater macroinvertebrates in the Middle Rio Grande, NM. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

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Bishara, R.K., C.A. Love, E.L. Johnson, A.S. Burdett and T.F. Turner. 2009. Aquatic invertebrate ecology in the Rio Grande, New Mexico: A comprehensive undergraduate training program. 41st Annual Desert Fishes Council Meeting, Death Valley CA, November 17-21, 2009.

Diver, T.A., M.J. Osborne and T.F. Turner. 2009. Patterns of genetic diversity in *Notropis girardi* in the Canadian River and Pecos River, New Mexico. 41st Annual Desert Fishes Council Meeting, Death Valley CA, November 17-21, 2009. Awarded Best Undergraduate Student Poster Presentation.

Krabbenhoft, T.J., S.P. Platania and T.F. Turner. 2009. Reproductive phenology of fishes of the middle Rio Grande, New Mexico. 41st Annual Desert Fishes Council Meeting, Death Valley CA, November 17-21, 2009.

WAIDE, R.B.

Christian, R.R., J.C. Johnson, C.R. Hickman, J.W. Brunt and R.B. Waide. 2009. Evolution of site collaboration within the U.S. LTER network. Triennial Long Term Ecological Research (LTER) All Scientists Meeting, Estes Park CO, September 13-16, 2009.

WEARING, H.J.

Estimating the duration of pertussis immunity using epidemiological signatures. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

WITT, C.C.

Johnson, A.B., C.J. Schmitt and C.C. Witt. 2009. Preparation and Use of Bird Specimens. New Mexico Ornithological Society Meeting, Los Alamos NM, April 2009.

Evolution of Genome Size in Hummingbirds, American Ornithologists' Union Meeting, Philadelphia PA, August 2009.

WOLF, B.O.

Engel, S., T. Hyde and B.O. Wolf. 2009. Is avian migration in the American Southwest timed to the bloom of columnar cacti? Annual Meeting of the Society of Integrative and Comparative Biology, Boston MA, January 3-7, 2009.

Murray, I.W. and B.O. Wolf. 2009. Exploring the nutritional ecology of the ornate box turtle in New Mexico via stable isotope analyses. Annual Meeting of the Society of Integrative and Comparative Biology, Boston MA, January 3-7, 2009.

Wolf, B.O. and A.E. Mckechnie. 2009. Avian mortality during heat waves and drought: The role of climate change and extreme events. 79th Annual Meeting of the Cooper Ornithological Society, Tucson AZ, April 16-18, 2009.

Wolf, B.O. and A.E. Mckechnie. 2009. Avian mortality during heat waves and drought: The role of climate change and extreme events. 94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

C. Attendance at Professional Meetings, Workshops, Etc.

ADEMA, C.M.

11th ISDCI International Congress of International Society of Development and Comparative Immunology, Prague, Czech Republic, July 4, 2009.

Third Workshop on Bird Schistosomes and Cercarial Dermatitis, International Workshop on Bird Schistosomes, Rejckov-Kouty, Czech Republic, July 6, 2009.

The Schistosome Molecular Toolbox Workshop 2009, Sandler Foundation, Burroughs Wellcome Fund, San Francisco CA, September 16, 2009.

58th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC, November 18, 2009.

BERGTHORSSON, U.

Darwin to the Next Generation, Annual Meeting of the Society for Molecular Biology and Evolution, Iowa City IA, June 3-7, 2009.

BROWN, J.H.

Integrating Macroecological Pattern and Processes across Scales (IMPPS), Santa Fe NM, April 2009.

American Society of Mammalogy, Fairbanks AK, June 2009.

Program Director's Meeting, the Howard Hughes Medical Institute/National Institute of Biomedical Imaging and Bioengineering (HHMI/NIBIB), October 2009.

COLLINS, S.L.

94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

52nd International Association for Vegetation Science (IAVS) Symposium, Chania, Island of Crete, Greece, June 2009.

Israel–Jordan Long Term Ecological Research (LTER) planning meeting, Israel and Jordan, June 2009.

Fall Meeting of the American Geophysical Union (AGU), San Francisco CA, December 14-18, 2009.

2009 Long Term Ecological Research (LTER) All Scientists Meeting, Estes Park CO, September 13-17, 2009.

COOK, J.A.

American Society of Mammalogists, Fairbanks AK, June 10-14, 2009.

International Mammal Congress, Mendoza, Argentina, August 2009.

CRIPPS, R.M.

50th Annual *Drosophila* Conference, Genetics Society of America, Chicago IL, March 1, 2009.

Annual Meeting of the Society for Developmental Biology, San Francisco CA, August 1, 2009.

CUNNINGHAM, C.

American Society of Tropical Medicine and Hygiene, Washington DC, November 18, 2009.

Triennial Meeting of the International Congress of Developmental and Comparative Immunology, Prague, Czech Republic, June 30, 2009.

Workshop, "Schistosome Toolbox," San Francisco CA, August 16, 2009.

FARNSWORTH, P.A.

Learning Outcomes Workshop, UNM, February 2009

Scholarly Teaching Workshop, UNM, February 2009

Freshman Learning Community Faculty Institute, The Freshman Learning Community Office, University College, UNM, May 2009

Peer Review Workshop, UNM, September 2009

Teaching across Differences Workshop, UNM, September 2009

HANSON, D.T.

Annual Meeting of the American Society of Plant Biologists, Honolulu HI, July 18-22, 2009.

HOFKIN, B.V.

Greenberg, J., A. Mizell, M. Dimenna and B. Hofkin. 2009. Mosquito Feeding Patterns in Bernallilo County, New Mexico and Their Implications for the Transmission of West Nile Virus. Annual Symposium of Initiatives to Maximize Student Diversity (IMDA)/Minority Access to Research Careers (MARC) Research Symposium, Albuquerque NM, August 13, 2009.

KATJU, V.

Annual Meeting of the Society for Molecular Biology and Evolution, Iowa City IA, June 3-7, 2009.

Department of Biological Sciences, Wright State University, Dayton OH, September 28, 2009.

LITVAK, M.E.

94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

"VAL Workshop II: Evaluation of a Variable Atmosphere Laboratory as a Potential National Tool for Experimental Study of Climate Change," National Science Foundation, Washington DC, August 27-29, 2009.

Long Term Ecological Research (LTER) All Scientists Meeting, Estes Park CO, September 13-16, 2009.

Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA) Annual Meeting, National Science Foundation, Tuscon AZ, September 24, 2009.

American Geophysical Union Chapman Conference on Examining Ecohydrological Feedbacks of Landscape Change along Elevation Gradients in Semiarid Regions, Boise and Sun Valley ID, October 4-8, 2009.

Fall Meeting of the American Geophysical Union Annual Meeting, San Francisco CA, December 7-11, 2009.

LOKER, E.S.

11th Congress of the International Society for Developmental and Comparative Immunology, Prague, Czech Republic, June 28–4 July 4, 2009.

3rd Workshop on Bird Schistosomes and Cercarial Dermatitis, Rejckov-Kouty, Czech Republic, July 6-10, 2009.

Western Region COBRE-INBRE Scientific Conference, Big Sky MT, September 16-18, 2009.

Southwest Symposium on Global Health, UNM, October 13-14, 2009.

58th Meeting of the American Society of Tropical Medicine and Hygiene, Washington DC, November 18-22, 2009.

LOWREY, T.K.

Botany 2009, Snowbird UT, July 25-29, 2009.

MARSHALL, D.L.

94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

Annual Meeting of the Guild of Rocky Mountain Ecologists and Evolutionary Biologists, Boulder CO, September 15-17, 2009.

MILLER, K.B.

57th Annual Meeting of the Entomological Society of America, Indianapolis IN, December 13-16, 2009.

SINSABAUGH, R.L.

94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

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SMITH, F.A.

Fourth Biennial Conference of the International Biogeographical Society, Mérida, México, January 8-12, 2009.

9th North American Paleontological Convention (NAPC), Cincinnati OH, June 21-26, 2009.

Annual Meeting of the American Society of Mammalogists, Fairbanks AK, June 24-28, 2009.

Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

10th International Congress of Ecology (INTECOL), Brisbane, Australia, August 16-21, 2009.

Science Advisory Board Meeting, National Center for Ecological Analysis and Synthesis (NCEAS), Santa Barbara CA, September 2009.

Howard Hughes Directors Meeting, Washington DC, September 2009.

Annual Meeting of the Paleontological Society, held in conjunction with Geological Society of America Annual Meeting, Portland OR, October 2009.

National Evolutionary Synthesis Center (NESCent), Raleigh NC, January and October, 2009. Participant, Working Group on Phanerozoic Body Size Trends in Time and Space: Macro-evolution and Macroecology, J. Payne, J. Stempien, and M. Kowalewski, group leaders.

Research Coordination Network, Integrating Macroecological Pattern and Process Across Scales (IMPPS), Santa Fe NM, April and November, 2009. Organizer and participant.

SNELL, H.L.

Annual Meeting of the New Mexico and Arizona Chapters of The Wildlife Society, Gallup NM, February 2009.

Southwestern Partners in Amphibian and Reptile Conservation, St. George UT, September 2009.

TAKACS-VESBACH, C.D.

Long Term Ecological Research (LTER) All Scientists Meeting, Estes Park CO, September 14-16, 2009.

Fourth Annual Joint Genome Institute Annual Meeting, U.S. Department of Energy, Walnut Creek CA, March 25-27, 2009.

Sequencing, Finish, Analysis in the Future, Los Alamos National Laboratory, Santa Fe NM, May 27-29, 2009.

THORNHILL, R.

Annual Meeting of the American Medical Association, Aesthetic Surgery, Phoenix AZ, January 25, 2009.

Annual Meeting of the Society for the Study of Social Psychology, Tampa FL, February 15-18, 2009.

Annual Meeting of the Human Behavior and Evolution Society, Fullerton CA, May27-31, 2009.

TURNER, T.F.

American Fisheries Society (Western Chapter), Albuquerque NM

Joint Meeting of the American Society of Ichthyologists and Herpetologists, Portland OR, July 22-27, 2009.

Workshop: Transforming Undergraduate Education in Biology: Mobilizing the Community for Change, Washington DC, July 15-17, 2009.

Ecological Society of America, Albuquerque NM, August 2 -7, 2009.

Desert Fishes Council, Death Valley CA, November 17-21, 2009.

WAIDE, R.B.

94th Annual Meeting of the Ecological Society of America (ESA), Albuquerque NM, August 2-7, 2009.

WEARING, H.J.

7th Annual Conference of Ecology and Evolution of Infectious Diseases, Athens GA, May 20-23, 2009.

Inference For Mechanistic Models Working Group (invited), National Center for Ecological Analysis and Synthesis (NCEAS), Santa Barbara CA, January 12-16, 2009.

WITT, C.C.

American Ornithologists' Union Meeting, Philadelphia PA, August 2009.

WOLF, B.O.

Annual Meeting of the Society of Integrative and Comparative Biology, Boston MA, January 3-7, 2009.

79th Annual Meeting of the Cooper Ornithological Society, Tucson AZ, April 16-18, 2009.

94th Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

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D. Service as Editor of Scholarly Journal.

LOWREY, T.K.

Co-editor, *Madrono*, California Botanical Society, November 2008–present.

MILLER, K.B.

Coleoptera subject editor, *Proceedings of the Entomological Society of Washington*

Embioptera subject editor, *Zookeys*.

SINSABAUGH, R.L.

Ecological Applications, September 1, 2009–present.

Soil Biology and Biochemistry, July 1, 2004–present.

SMITH, F.A.

A subject editor, *Ecology* (Ecological Society of America)

An associate editor, *Paleobiology* (Palenotological Society)

SNELL, H.L.

Museum of Southwestern Biology Publication Series, August 1, 2007–present.

STRICKER, S.A.

Associate Editor, *Molecular Reproduction and Development*, August 2009–present (appointed).

E. Service on Editorial Board of Scholarly Journal.

BROWN, J.H.

Evolutionary Ecology Research

Proceedings of National Academy of Sciences

COLLINS, S.L.

BioScience

EcoTrends (an LTER/USFS/USDA effort to publish and provide access to long-term ecological data sets)

Oecologia

COOK, J.A.

Zoologia, September 1, 2008–September 1, 2012.

CUNNINGHAM, C.

Developmental and Comparative Immunology

HANSON, D.T.

Vice-Chair/Chair, Gordon Research Conference on CO_2 Assimilation in Plants, August 30, 2008–August 30, 2014 (elected).

Secretary, UNM Chapter of Sigma Xi, August 1, 2008–August 1, 2011 (appointed).

LOKER, E.S.

Journal of Helminthology

MILLER, R.D.

Developmental and Comparative Immunology, January 1, 2003–December 31, 2050.

Immunogenetics, January 1, 2003–December 31, 2050.

SMITH, F.A.

A subject editor, *Ecology* (Ecological Society of America)

An associate editor, *Paleobiology* (Palenotological Society)

SNELL, H.L.

Museum of Southwestern Biology Publication Series, August 1, 2007–present.

TURNER, T.F.

Contributing Editor, *Aquatic Biology*, Springer Scientific Publishers, 2008–2011.

WOLF, B.O.

Associate Editor, *Oecologia*

F. Service as Officer of Professional Organization (indicate whether Elected or Appointed).

ADEMA, C.M.

Representative of the U.S. scientific community, International Society of Developmental and Comparative Immunology, July 1, 2006–July 4, 2009 (appointed).

BROWN, J.H.

Member, Board of Trustees, The Nature Conservancy Group

COLLINS, S.L.

Chair, Publications Committee, Ecological Society of America (ESA) (appointed)

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COOK, J.A.

Board of Directors, American Society of Mammalogists, June 1, 2007–June 1, 2010 (elected).

LOWREY, T.K.

Member, Collections Committee, American Society of Plant Taxonomists (appointed).

Member, Board of Directors, Flora North America (elected).

POCKMAN, W.T.

Co-chair, Network Information Systems Advisory Committee, U.S. Long Term Ecological Research (LTER) Network, May 1, 2008–May 1, 2010 (elected).

SINSABAUGH, R.L.

Advisory Board, Enzyme Research Coordination Network, July 1, 2009–present (appointed).

SMITH, F.A.

Fourth term as member, Board of Directors, American Society of Mammalogists, 1999–present (elected).

Chair, Alfred Russel Wallace Award Committee, International Biogeography Society, 2006–present (appointed by last three presidents).

Ombudsperson, American Society of Mammalogists, 2002–present (appointed by last five presidents).

THORNHILL, R.

President, Human Behavior and Evolution Society, May 1, 2009–present (elected).

TURNER, T.F.

Education and Human Resources Committee, American Society of Ichthyologists and Herpetologists, 2009–2012 (appointed).

V. OTHER PROFESSIONAL ACTIVITIES.

A. Seminar Presentations, UNM and Elsewhere.

BERGTHORSSON, U.

"Gene Duplications and Deletions in Experimental Populations of *C. elegans*," Department of Molecular Biology, University of Wyoming, Laramie WY.

BROWN, J.H.

Cancer Research and Treatment Center, UNM

COLLINS, S.L.

University of Arizona
University of Idaho
Washington University

HOFKIN, B.V.

"Parasitology for the New Mexico Clinician," UNM Student Health Center, UNM, February 24, 2009.

KATJU, V.

"Determinants of Gene Duplicate Evolution in Two Eukaryotes," Invited Seminar Series, Department of Biological Sciences, Wright State University, Dayton OH, September 28, 2009.

"Population and Genomic Determinants of Gene Duplicate Evolution," UNM, November 2009.

LITVAK, M.E.

Third-year review talk, Department of Biology, UNM, January 22, 2009.

Hydrology Seminar, New Mexico Tech University, Socorro NM, March 2, 2009.

LOKER, E.S.

New Mexico State University, March, 2009

Johns Hopkins University, April, 2009

MILLER, R.D.

"Atypical T-cell Receptors: What Humans and Mice Couldn't Tell Us, But the Platypus and Possum Knew All Along," Veterinary Science Faculty, University of Sydney, Sydney, Australia, March 2, 2009.

SINSABAUGH, R.L.

SEEDS Panel Discussion on Ecological Careers, Strategies for Ecology Education, Diversity and Sustainability (SEEDS), Ecological Society of America, Albuquerque NM, February 27, 2009.

Biogeochemistry of Aridland Ecosystems, National Science Foundation Long Term Ecological Research (LTER) Site Review, Albuquerque NM, August 13, 2009.

SMITH, F.A.

Presentation on the Program in Interdisciplinary Biological and Biomedical Science (PiBBs), Howard Hughes Medical Institute, Chevy Chase MD, September 2009.

STRICKER, S.A.

"Red Wine, Green Tea, Tofu, and Spices: Plant Compounds That Activate AMP Kinase and Block Seawater-induced Egg Maturation in a Marine Worm," University of Washington, Friday Harbor WA, June, 2009.

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"Stopping and Starting Egg Maturation in a Marine Worm," Center for High Technology Materials, UNM, November 2009.

TOOLSON, E.C.

"A Mathematical Algorithm for Prediction of Treatment Outcome in Posttraumatic Stress Disorder (PTSD) Patients," The MIND Institute, Health Sciences Center, UNM, May 18, 2009.

TURNER, T.F.

"Conservation and Management of Genetic Resources in the Federally Endangered Rio Grande Silvery Minnow," Department of Marine Science, University Southern California, January 13, 2009 (host: Prof. Dennis Hedgecock).

"Lessons from Long-term Demographic and Genetic Monitoring of an Endangered Species," Department of Biological Sciences, University of Alabama, Tuscaloosa AL, March 5, 2009 (host: Dr. Arthur Benke).

"The Intersection of Population Ecology and Genetics in Rio Grande Silvery Minnow Conservation and Management," Sevilleta Long Term Ecological Research (LTER), Socorro NM, June 18, 2009 (host: Dr. Scott L. Collins).

WERNER-WASHBURNE, M.

"Functional Genomics: Insights into the Complexity of Yeast Stationary Phase," Duke University, Durham NC, April 1, 2009.

"What's in a Genome? What's in MY Genome?", Osher Life Long Learning Institute, Division of Continuing Education, UNM, September 28, 2009.

"From Nano to Terra: the Biological Revolution Rumbles in Yeast, a Well-behaved Organism," Integrating Nanotechnology with Cell Biology and Neuroscience (INCBN) Integrative Graduate Education and Research Traineeship (IGERT), UNM, November 2, 2009.

WITT, C.C.

"Hummingbird Evolution into the Andes," New Mexico State University, Las Cruces NM, February 2009.

"Darwin's Hummingbirds," Darwin Day Symposium, UNM, February 2009.

"How Small Birds Adapt to Extreme Environments," Sigma Xi UNM Chapter, UNM, October 2009.

"High-altitude Adaptation in Andean Birds," Department of Biology, UNM, November 2009.

B. Testimony in a Scholarly Capacity at Hearings of Commissions, Legislative Committees, Etc.

COLLINS, S.L.

Participated in the Ecological Society of America (ESA) Congressional Outreach Day: met with the staff of Congressman Heinrich and Senators Bingaman and Udall.

Also met with the staff from the Colorado delegation, Spring 2009.

C. Presentation to General Audience in a Scholarly Capacity.

COLLINS, S.L.

A seminar on climate change to members of the Contemporary Center for the Arts, Santa Fe NM, Fall 2009.

KATJU, V.

"What Darwin Didn't Know—The Origin of New Genes," "Darwin's Legacy" Symposium, Department of Biology, UNM, February 12, 2009.

SNELL, H.L.

"Evolution and Conservation in the Galápagos: A Window to Worldwide Patterns?", Earth Day Celebration, General Public and Members, Pajarito Environmental Education, Los Alamos NM, April 22, 2009.

WERNER-WASHBURNE, M.

Osher Lifelong Learning Institute presentation, Continuing Education, UNM, September 28, 2009.

Presentation to Engaging Latino Communities for Education (ENLACE) students, October 5, 2009.

D. Service in a Scholarly Capacity as Member of Local, State or National Panel, Committee, or Commission, for Purpose of Reviews of Public Policy Issues, Scientific Evaluations, Awards of Grants or Fellowships or Prizes, Etc.

ADEMA, C.M.

Student scholarship proposal review, Department of Biology, UNM, May 7, 2009.

Seed grant review, Center for Evolutionary and Theoretical Immunology (CETI), Department of Biology, UNM, December 1, 2009.

COLLINS, S.L.

Served on an National Science Foundation panel, May and December, 2009.

COOK, J.A.

Grant Review Panel, National Science Foundation, March 28–April 2, 2009.

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USFWS Species Review, USFWS, May 2009.

External Faculty Review, Kansas State University, July 2009.

External Faculty Review, Cornell University, November 2009.

CUNNINGHAM, C.

Panel member, USDA Animal protection Panel A, May 2009.

Ad Hoc reviewer for NSF (6 reviews)

The French National Research Agency (2 reviews)

HANSON, D.T.

Grant Reviewer, National Science Foundation, February, March and July, 2009.

Grant Reviewer, U.S.–Israel Binational Agricultural Research and Development Fund, March 2009.

LITVAK, M.E.

Panel peer reviewer, "Enhancing Ecosystem Services from Agricultural Lands," EPA STAR Grants, Washington DC, August 25-27, 2009.

Ecosystems, National Science Foundation (1)

Major Research Instrumentation (MRI), National Science Foundation (1)

LOKER, E.S.

Gates-funded Schistosomiasis Consortium for Operational Research and Evaluation (SCORE) Meeting, Athens GA, April 15-17, 2009.

LOWREY, T.K.

Member, New Mexico Rare Plant Technical Council

Member, Systematic Biology Panel, National Science Foundation, October 2009.

POCKMAN, W.T.

Pre-Proposal Review, Cyber Enabled Discovery and Innovation Program, National Science Foundation, February 24-26, 2009.

Full Proposal Review, Cyber Enabled Discovery and Innovation, National Science Foundation, June 22-23, 2009.

Proposal Reviews (39), National Institute of Climate Change Research, September 1-15, 2009.

SMITH, F.A.

Reviewed numerous grants (12-20) for the National Science Foundation.

Panel Member, Research Coordination Network Panel Joint Advisory Panel (joint panel from Population and Community Ecology/Ecosystems 2009) Division of Environmental Biology (DEB) Faculty Early Career Development (CAREER) Program, National Science Foundation.

Member, Science Advisory Board, National Center for Ecological Analysis and Synthesis (NCEAS). Meet twice a year to review proposals and administration of Center.

SNELL, H.L.

Member, N.M. Department of Game and Fish Species Recovery Team for Boreal Toads.

Member, N.M. Department of Game and Fish Species Recovery Team for Grey-banded Kingsnakes.

Conservation Fellow of the Saint Louis Zoo, St Louis Zoological Society.

Member of the General Assembly, Charles Darwin Foundation, Galápagos, Ecuador.

STRICKER, S.A.

Reviewed grant proposal, Dutch National Foundation for Sciences, February 2009.

Reviewed grant proposal, Wellcome Trust, UK, May 2009.
Outside reviewer for tenure decision, Virginia Commonwealth University, August 2009.

TAKACS-VESBACH, C.D.

Division of Environmental Biology panel, National Science Foundation, Fall 2009.

Committee on the Origin and Evolution of Life, National Research Council panel, National Aeronautics and Space Administration (appointed).

TURNER, T.F.

National Science Foundation proposal (1)

Gila Trout Recovery Team Member, U.S. Fish and Wildlife Service, 2009.

Rio Grande Silvery Minnow Genetics and Propagation Workgroup Member, Middle Rio Grande Endangered Species Collaborative Program, 2009.

Stoye Award Committee (Best Student Paper Competition); Chair, Genetics, Development, and Morphology, 2009 Annual Meeting of the American Society of Ichthyologists and Herpetologists, Portland OR, July 22-27, 2009.

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WAIDE, R.B.

Editorial Committee for the EcoTrends volume examining long-term ecological patterns at Long Term Ecological Research (LTER), U.S.D.A., and A.R.S. sites in the United States, 2006–present.

Long Term Ecological Research (LTER) Executive Board, 2006–present.

Steering Committee, Research Coordination Network for the National Phenological Network, 2007–12.

International committee of the LTER Network, 2003–present.

Executive Advisory Board, Earth and Sky radio and online, 2006–present.

Member, Public Policy Committee of the American Institute of Biological Sciences (AIBS). The Long Term Ecological Research (LTER) Network has a seat on this committee as a member of AIBS.

Chair, the evaluation panel for projects in "Long Term Ecological Research–LTER Network Portugal," Portuguese Foundation for Science and Technology.

WITT, C.C.

Reviewer for Guidelines for the Use of Wild Birds in Research, Ornithological Council, The Washington DC Principles for Free Access to Science, 2009.

WOLF, B.O.

Tenure Review Committee for Faculty at Arizona State University and N.M. State University.

E. List Journals and the Number of Papers You Refereed for Each in 2009.

ADEMA, C.M.

Advances in Parasitology (1)
Animal Biology (1)
Developmental and Comparative Immunology (1)
Fish and Shell Fish Immunology (3)
Journal for International Parasitology (1)
Journal of Parasitology (1)
Molecular and Biochemical Parasitology (1)
Parasitology Research (5)

BERGTHORSSON, U.

BMC Evolutionary Biology (4)
Proceedings of the National Academy of Sciences USA (1)
Trends in Evolutionary Biology (1)

BROWN, J.H.

Proceedings of National Academy of Sciences (200)

COLLINS, S.L.

Canadian Journal of Botany (1)
Ecological Monographs (1)
Ecology (1)
Global Change Biology (1)
Journal of Applied Ecology (1)
Journal of Arid Environments (1)
Journal of Ecology (3)
Plant Ecology (1)
PLoSOne (1)
Proceedings of the National Academy of Sciences (PNAS) (1)
Quarterly Review of Biology (1)
Science (4)
Sensors (1)

COOK, J.A.

Emerging and Infectious Disease (1)
Journal of Biogeography (1)
Mammalian Species (1)

CRIPPS, R.M.

Development (1)
Developmental Dynamics (1)
PLoS Biology (1)

CUNNINGHAM, C.

Annals of Tropical Medicine and Parasitology (1)
Developmental and Comparative Immunology (8)
Federation of American Societies for Experimental Biology Journal (1)
Fish and Shellfish Immunology (2)
PLoS Neglected Tropical Diseases (1)

HANSON, D.T.

Acta Oecologia (1)
Plant, Cell, and Environment (3)
Talanta (1)

KATJU, V.

Genetics (1)
Genome Biology and Evolution (1)
Genome Research (1)
Molecular Biology and Evolution (1)

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KODRIC-BROWN, A.

American Naturalist (2)
Animal Behavior (2)
Behavioral Ecology and Sociobilogy (3)
Copeia (1)
Evolution (1)

LITVAK, M.E.

Ecohydrology (1)
Global Change Biology (3)
Journal of Arid Environments (1)
Journal of Geophysical Research–Biogeosciences (2)

LOWREY, T.K.

American Journal of Botany (1)
Australian Systematic Botany (1)
Molecular Phylogenetics and Evolution (1)

MARSHALL, D.L.

American Journal of Botany (1)
American Naturalist (1)
Annals of Botany (1)
Sexual Plant Reproduction (2)
Trees (1)

MILLER, K.B.

Aquatic Insects (1)
Cladistics (2)
Zootaxa (3)

MILLER, R.D.

BMC Biology (1)
Developmental and Comparative Immunology (1)
Immunogenetics (7)
Journal of Immunology (8)
Nature Mucosal Immunology (1)

POCKMAN, W.T.

Functional Ecology (1)
Journal of Arid Environments (1)
Journal of Vegetation Research (1)
Oecologia (2)
Proceedings of the National Academy of Sciences (1)
Tree Physiology (1)

POE, S.

Journal of Herpetology (1)
Phyllomedusa (1)

SINSABAUGH, R.L.

Biogeochemistry (2)
Ecological Applications (2)
Freshwater Biology (2)
Pedobiologia (1)
Plant and Soil (3)
Soil Biology and Biochemistry (3)
Soil Science Society of America Journal (1)
Water Research (2)

SMITH, F.A.

Ecology
Paleobiology
Public Library of Science (PLoS)
Science

I have been declining review requests since becoming the editor for two different journals.

SNELL, H.L.

Frontiers in Ecology and the Environment (1)
Journal of Heredity (1)

STRICKER, S.A.

Biology of the Cell (1)
Canadian Journal of Zoology (1)
Molecular Reproduction and Development (1)
Systems Biology in Reproductive Medicine (1)

TAKACS-VESBACH, C.D.

Applied and Environmental Microbiology (4)
Botanical Studies (1)
Molecular Ecology Resources (1)

TURNER, T.F.

Aquatic Biology (3)
Limnology and Oceanography (1)
Transactions of the American Fisheries Society (1)

WEARING, H.J.

Ecohealth (1)
Journal of the Royal Society Interface (1)

PLoS Medicine (1)
Proceedings of the Royal Society of London B (1)
SIAM Journal on Applied Mathematics (1)

WERNER-WASHBURNE, M.

Aging Cell (1)
Genome Biology (1)

WITT, C.C.

The Auk (2)
Cotinga (2)
Genome Research (2)
Ornitologia Colombiana (1)
Ornitologia Neotropical (2)

WOLF, B.O.

Auk (2)
Bioscience (1)
Comparative Biochemistry and Physiology (1)
Ecology (1)
Journal of Morphology (1)
Oecologia (2)

VI. NON-TEACHING UNIVERSITY, COLLEGE AND DEPARTMENT SERVICE.

A. Symposia, Workshops, Conferences, Etc., Sponsored, Hosted, Organized.

BROWN, J.H.

Co-organizer of "Human Macroecology" Symposium, Ecological Society of America, Albuquerque NM, August 2-7, 2009.

POCKMAN, W.T.

Field trip leader for Strategies for Ecology, Education, Development and Sustainability (SEEDS) leadership workshop, Ecological Society of America, Sevilleta Long Term Ecological Research (LTER), Socorro NM, February 26 and 28, 2009.

Local Host Chair, Annual Meeting of the Ecological Society of America, Albuquerque NM, August 2-7, 2009.

SMITH, F.A.

Co-organizer, "Darwin's Legacy: a Symposium Celebrating Charles Darwin's 200th Birthday," UNM, February 11-12, 2009.

Organized and conducted two meetings of the Research Coordination Network IMPPS: Integrating Macroecological Patterns and Processes. This is a group of ~15 paleontologists and

ecologists from around the world, who meet in Santa Fe, NM twice a year to work on common research projects, an edited volume to be published by the University of Chicago Press, and the development of a virtual course in Macroecology to be taught with UNM as the lead institution.

Co-organized a symposium on Extinction for the Fourth Biennial Conference of the International Biogeographical Society, Mérida, México, January 8-12, 2009.

STRICKER, S.A.

Started co-organizing international symposium for 2010, University of Washington, March 2009–present.

TURNER, T.F.

Organizer and Presenter, Workshop, "Genetic Analysis for Fisheries Management," Western Chapter of the American Fisheries Society, Albuquerque NM, May 2-7, 2009.

WERNER-WASHBURNE, M.

All-program Picnic for Clif Poodry, June 2009

Summer Research Symposium, August 2009

Biol. 502, Topic: Frontiers in Genomics (hosted speakers; see B. below).

B. Distinguished Departmental Visitors You Hosted.

ADEMA, C.M.

Hosted Dr. C.J. Bayne (CETI EAC, Professor Emeritus, Oregon State University), for joint probing BAC library (10 days in March).

BROWN, J.H.

Richard Sibly, Professor, University of Reading, Reading, U.K.

COOK, J.A.

Elena Buzan, University Primorski, Slovenia, May 17–28, 2009

CUNNINGHAM, C.

Dr. Robert Greenberg, University of Pennsylvania, Philadelphia PA, November 5, 2009

HANSON, D.T.

Nathan English, Los Alamos National Lab, Los Alamos NM, September 17, 2009

Ranjith Jaayasekera, University of Kelaniya, Dalugama, Kelaniya, Sri Lanka, August 2009

KATJU, V.

Dr. John Jaenike, University of Rochester, Rochester NY, October 28-30, 2009

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KODRIC-BROWN, A.

Susan Foster, Clark University, Worcester MA, April 28–May 1, 2009

LOKER, E.S.

Maria Costillo, New Mexico State University, November 12, 2009

Miriam Barlow, University of California–Merced, March 5, 2009

MARSHALL, D.L.

Kevin Rice, University of California–Davis, October 2009

MILLER, R.D.

Professor Max Cooper, Emory University, Atlanta GA, February 2009

Dr. Tony Papenfuss, Walter and Eliza Hall Institute, Melbourne, Australia, September 2009

Professor Jonathan Rast, University of Toronto, Toronto, Canada, December 2009

NATVIG, D.O.

Lee Taylor, Associate Professor, University of Alaska, Fairbanks AK, on his sabbatical leave, Fall 2009.

SMITH, F.A.

Dr. Maryrose Franko, Office of Grants and Special Programs, Howard Hughes Medical Institute

Dr. Richard A. Baird, Director, Division of Interdisciplinary Training, National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health

Dr. Geerat Vermeji, Distinguished Professor, University of California, Davis CA

Through the Program in Integrative Biological and Biomedical Science (PIBBS), we hosted ~15 distinguished visitors through 2009.

TAKACS-VESBACH, C.D.

Dr. Suzette A. Priola, Chief, TSE/Prion Molecular Biology Section, Senior Investigator, National Institute of Allergy and Infectious Diseases, National Institutes of Health (for 18th Annual Research Day, Department of Biology, UNM, April 10, 2009).

TURNER, T.F.

Professor Chris Taylor, Texas Tech University, departmental seminar, September 24, 2009

WERNER-WASHBURNE, M.

For Biol. 502, Topic: Frontiers in Genomics: George Weinstock (Washington University sequencing center), Bruce Birren (Broad Institute) and Bill Gelbart (Harvard).

WITT, C.C.

Philip Stouffer, Associate Professor, Conservation Biology Louisiana State University, March 18, 2009 (special seminar during spring break).

Dr. William Clark, independent raptor biologist, August 2009 (special seminar).

C. Committee Service.

1. Departmental committees served on in 2009 (indicate chair with asterisk).

ADEMA, C.M.

Annual Research Day Committee

BERGTHORSSON, U.

Graduate Students Selection Committee

BROWN, J.H.

Graduate Scholarship Committee
Graduate Student Selection Committee

CHARNOV, E.L.

Graduate Student Advisor
*New Department Chair Committee

COLLINS, S.L.

Faculty Advisor, Biology Graduate Student Association (BGSA), 2008–09

Chapter Faculty Advisor, SEEDS (Strategies for Ecology Education, Development and Sustainability (SEEDS, Ecological Society of America)

Tenure and Promotions Committee

*Tenure and Promotions Committee, Fall 2009

COOK, J.A.

Faculty Merit Evaluation Committee

COUCH, L.

Publicity Committee

CUNNINGHAM, C.

Biology/Chemistry Departments Synergistic Hiring Committee
*Undergraduate Policy Committee

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FARNSWORTH, P.A.

*Graduation Committee (co-chair)
Graduate Scholarship Award Review Committee

FRIDRICK, C.O.

*Graduation Committee (co-chair)

HANSON, D.T.

Greenhouse Committee
*Scholarship Committee
Seminars Committee

HOFKIN, B.V.

Annual Research Day Committee
Undergraduate Pre-veterinary Advisement

HOWE, K.A.

*Annual Research Day Committee
Graduation Committee

KATJU, V.

Graduate Selection Committee, Spring
Judge, Departmental Graduate Fellowship Awards, Spring
Coordinator for New Graduate Student Orientation, Fall
Graduate Policy Committee, Fall

KODRIC-BROWN, A.

Graduate Policy Committee

LOKER, E.S.

Space Committee
Promotion and Tenure Committee

LOWREY, T.K.

Space Committee
Tenure and Promotion Committee

MARSHALL, D.L.

Annual Research Day (assisted with coordination of the silent auction)
Departmental Promotion and Tenure Committee
*Greenhouse Committee (this has been a very big service over the last year due to issues surrounding construction of the new greenhouse)

MILLER, K.B.

Annual Research Day Committee
Undergraduate Advising Committee

MILLER, R.D.

*Salary Committee

MILNE, B.T.

Graduate Student Selection Committee
Consortium of the Americas

POE, S.

Graduate Student Selection Committee

SHANER, M.G.

Undergraduate Academic Advising, Spring and Fall

SINSABAUGH, R.L.

Department Vehicle Committee
Biology Department representative to the Museum of Southwestern Biology Executive Board.

SMITH, F.A.

Graduate Student Selection Committee

SNELL, H.L.

Tenure and Promotion Committee
Publications Committee, Museum of Southwestern Biology
Executive Board, Museum of Southwestern Biology

STRICKER, S.A.

Executive Committee, Museum of Southwestern Biology, Spring
*Scholarships Committee, Spring
*Space/Buildings Committee, Spring
Undergraduate Policy Committee, Spring and *Fall

SWAN, J.

Graduation Committee
Undergraduate Policy Committee

TAKACS-VESBACH, C.D.

Annual Research Day Committee
Seminar Committee, August–December

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THORNHILL, R.

Graduate Policy Committee, Spring and Fall

TOOLSON, E.C.

*Computer Committee (co-chair with Nancy Davis)
Website Redesign Committee

TURNER, T.F.

*Executive Committee, Museum of Southwestern Biology
Space Committee
Judge, Oral Presentations, Annual Research Day

WEARING, H.J.

Biology Graduate Student Orientation Committee

WERNER-WASHBURNE, M.

Library Liaison

WITT, C.C.

Department Publicity Committee
Graduate Policy Committee

WOLF, B.O.

Graduate Policy Committee

2. **College/University committees served on in 2009 (indicate chair with asterisk).**

ADEMA, C.M.

Institutional Biosafety Committee (IBC)

BERGTHORSSON, U.

Radiation Control Committee

COLLINS, S.L.

Executive Research Advisory Committee (ERAC), 2008–10

CRIPPS, R.M.

College Assessment Committee

CUNNINGHAM, C.

A&S Junior Tenure and Promotion Committee
*A&S Junior Tenure and Promotion Committee
Academic Freedom and Tenure
Secretary, Faculty Senate Ethics and Advisory

FARNSWORTH, P.A.

Faculty Senate Curriculum Committee

HOFKIN, B.V.

*University Lecturers Task Force (to develop a UNM-wide plan offering a career path for University lecturers)

KODRIC-BROWN, A.

Research Allocations Committee

LOKER, E.S.

Co-chair, Institutional Biosafety Committee, UNM

LOWREY, T.K.

Academic Freedom and Tenure Committee
Committee on Governance
Library Committee, UNM Faculty Senate
Policy Committee, UNM Faculty Senate

NATVIG, D.O.

UNM Sevilleta Field Station Renovation: (designed, organized and supervised the construction of two new residences and the renovation of the old laboratory building at the Long Term Ecological Research [LTER] Sevilleta Field Station.

POE, S.

Latin American and Iberian Institute Grants-

SHANER, M.G.

Lecturer Promotion Task Force, Spring and Fall

SMITH, F.A.

Served on *ad hoc* Darwin/Lincoln Celebration Task Force, UNM, October 2008–February 2009.

SNELL, H.L.

President, UNM Faculty Senate, 2008–2009
Past-President, UNM Faculty Senate, July 1, 2009–July 1, 2010
Faculty Senate Operations Committee
Provost Budget Task Force 2009
Scholarship Committee
Student Fee Review Board

TURNER, T.F.

College of Arts & Sciences (A&S) Council of Chairs and Directors

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College of A&S Ad-Hoc Communications Committee
College of A&S Student Access Committee
*UNM Science Museum Collection Management Subcommittee
UNM Museum Studies Committee
UNM Representative to the Colorado Plateau Cooperative Ecosystems Study Unit

WAIDE, R.B.

Member, Research Allocation Committee (RAC), UNM, 2000–present.

WEARING, H.J.

B.A./M.D. Curriculum Committee

WERNER-WASHBURNE, M.

Advisory Board, UNM ASSERT Post Doctoral Training Program
Chemistry Department Professor Search Committee, UNM
College of Engineering Center of Biomedical Engineering Director Search, UNM

WOLF, B.O.

Animal Care and Use Committee

D. Other.

CRIPPS, R.M.

Member, Skeletal Muscle Biology and Exercise Physiology Study Section, National Institutes of Health

Member, Basic Cell and Molecular Biology Study Section, American Heart Association Western States Affiliates.

FARNSWORTH, P.A.

Director of the campus-wide "Small Group Instructional Diagnosis (SGID) Program," an interactive tool for assessing students' learning. Interactive peer-consensus-weighted surveys are conducted just before the mid-point of the semester, allowing the instructor to respond and improve upon his/her instruction in the same term. A SGID evaluates how well the students are learning and if there might be better ways to help them learn during the remainder of the semester. Doing an SGID early in the semester gives sufficient time for the instructor to implement meaningful improvements to the course and his/her instruction based upon the students' feedback. In addition, students are often impressed that their instructor is making a genuine effort to listen to their views and is seeking to make meaningful changes to improve the course and their learning. This, in turn, gives students a greater sense of participation in their own learning, a sense of contribution that often leads to added trust in the professor and a willingness to engage in the learning process. I supervise a team of Program Assistants who conduct these surveys and I write individual reports and meet with faculty to help interpret the survey results and help implement changes. Currently, I do this for all 36 of the Freshman Learning Community classes and have just helped implement this program in the Electrical and Computer Engineering Department.

LOKER, E.S.

Miscellaneous duties as department chair:

- February 5, attend Regents' finance meeting for approval of Phase II construction
- February 9, meet with Provost to consider future of Sevilleta LTER Field Station
- February 13, Science/Math building review
- March 11, presentation to UNM Foundation and development officers group
- Early April, commence meetings associated with construction of Main Campus Animal Care Facility as part of stimulus funding proposal
- April 10, preside over Annual Research Day

MARSHALL, D.L.

Director, Departmental Outcomes Assessment

Did an item analysis of grading rubrics for four papers in Biol. 204 (Animal and Plant Form and Function) and prepared reports each semester.

Took Opinio training and prepared online exit surveys for graduate students.

Analyzed previous year's exit surveys for graduate students.

NATVIG, D.O.

Candidate for Department of Biology Chair.

POE, S.

Hundreds of reptile and amphibian specimens deposited to Museum of Southwestern Biology.

WERNER-WASHBURNE, M.

Assisted with National Institutes of Health faculty visits for UNM Darwin Celebration at local high schools, February 2009.

WITT, C.C.

Maintained MSB's responsibilities under a five-year Convenio that I established in 2007 between the Museum of Southwestern Biology and the Centro de Ornitología y Biodiversidad, Lima, Peru: "Convenio de Cooperacion Inter-institucional entre "El Centro De Ornitología y Biodiversidad" (Corbidi) Lima, Peru, y "The Museum of Southwestern Biology, University of New Mexico," Albuquerque, Nuevo Mexico, E.E.U.U., Para Desarrollar la Investigación en las Adaptaciones de las Aves Silvestres a las Condiciones de los Altos Andes."

VII. ADVANCED STUDY AND NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

CHARNOV, E.L.

Elected Fellow, American Academy of Arts and Sciences

HOFKIN, B.V.

Voted "Third Best Professor at UNM" in the *Daily Lobo*'s annual "Lo Mejor Awards," November 2009.

MILLER, R.D.

Nominated for and awarded the Miegunyah Distinguished Visiting Fellowship, University of Melbourne, Australia, for the 2010 academic year.

SNELL, H.L.

President, UNM Faculty Senate

WERNER-WASHBURNE, M.

Regents' Professor, 2009–2012.

"Twenty Women Making a Difference," *Albuquerque Journal*, November 1, 2009.

VIII. SABBATICALS, LEAVES OF ABSENCE, SUMMER TEACHING ELSEWHERE, TRAVEL, ETC., DURING THE PERIOD.

ADEMA, C.M.

For seven days in April, visited the Department of Health in Brazil for field collection of *Biomphalaria*.

HANSON, D.T.

Sabbatical, Spring 2009

LOKER, E.S.

Field work, Kenya, two weeks, January 2009

Collecting trip with Steve Stricker, state of Washington, August 3-7, 2009

LOWREY, T.K.

Field Botany Course for K–12 Teachers, Science Education Institute of the Southwest, Sevilleta Long Term Ecological Research (LTER) Field Station, June 2009.

POE, S.

Sabbatical, Spring 2009

SINSABAUGH, R.L.

Sabbatical Leave, Spring 2009

SNELL, H.L.

Research Semester, Fall 2009

Fieldwork in Arizona and Utah, Fall 2009

TAKACS-VESBACH, C.D.

Sabbatical (at UNM), Fall 2009.

Summer Teaching, "Looking for Life in Extreme Environments," Short Course in the Masters of Science Science Education Program, Montana State University, July 2009.

IX. PUBLIC SERVICE.

COLLINS, S.L.

Member, Rapid Response Team–Grassland Ecosystems, Ecological Society of America, 2004–present.

COOK, J.A.

Panelist, Carnivore Conservation in the Southwest, sponsored by Wildearth Guardians, Santa Fe NM, September 16, 2009.

COUCH, L.

Treasurer—Placitas Homesteads Homeowners Association, Placitas NM.

First Responder/Volunteer Firefighter, Placitas Volunteer Fire Brigade, Placitas NM.

HOFKIN, B.V.

Writer, producer and host of "Today's BioCast" on KANW, 89.1 FM, underwritten by the Department of Biology, UNM, Albuquerque, NM, January 1–December 31, 2009.

LOKER, E.S.

Contact with "Water for People," an organization devoted to the provision of sanitation and clean water for peoples in developing countries.

LOWREY, T.K.

Plant Identification for the general public in the UNM Herbarium, Museum of Southwestern Biology.

SMITH, F.A.

Served on *ad hoc* Darwin/Lincoln Celebration Task Force, UNM, October 2008–February 2009.

SNELL, H.L.

Work with Environmental Health Division on Urban Bio-diversity, Albuquerque NM.

Work with Whitfield Wildlife Conservation Area, Belen NM.

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Mapping Trails and Natural Resource Distributions, Manzaño Mountains, Mountainair Ranger District, Cibola National Forest, Valencia and Torrence Counties.

Member, N.M. Department of Game and Fish Species Recovery Board, Santa Fe and Albuquerque NM.

THORNHILL, R.

Advisor, New Mexicans for Science and Reason, Albuquerque NM, 2002–present.

TURNER, T.F.

Organizer and Presenter, Workshop, "Genetic Analysis for Fisheries Management," Western Chapter of the American Fisheries Society, Albuquerque NM, May 2-7, 2009.

Co-Organizer, Museum of Southwestern Biology Open House, Darwin Day Celebration, UNM, February 12, 2009.

Gila Trout Recovery Team Member, U.S. Fish and Wildlife Service, 2009.

Rio Grande silvery minnow Genetics and Propagation Workgroup Member, Middle Rio Grande Endangered Species Collaborative Program, 2009.

WITT, C.C.

Mentor for Albuquerque Academy Intern, Nicole Gatewood, April–May 2009.

Two articles in *The Albuquerque Journal*, one on the front page, one on the front of the Metro Section. One on the MSB Bird collection in connection to Aldo Leopold, one featuring my research on hummingbird genome size evolution (focusing on the smallest endotherm genome ever measured that came from a Black-chinned Hummingbird in my backyard in Albuquerque!).

WERNER-WASHBURNE, M.

Involvement Cuba, NM and elsewhere, connecting with students either via UNM or Initiatives to Maximize Student Diversity (IMSD); provide outreach talks, mentoring, and other advice for students in the community.

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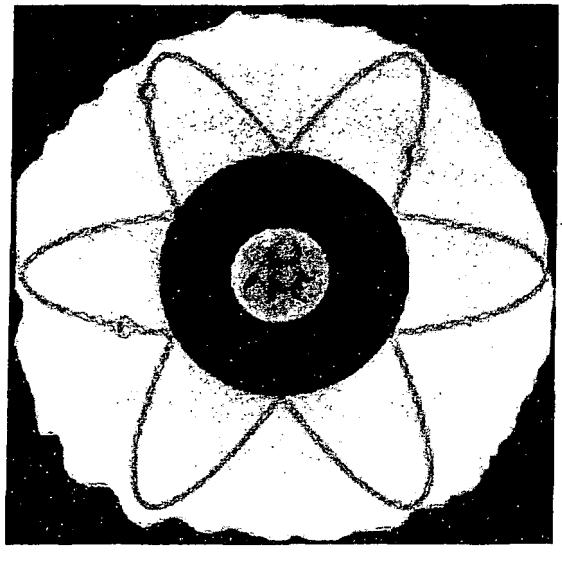
ANNUAL REPORT

DEPARTMENT OF CHEMISTRY AND CHEMICAL BIOLOGY

July 1, 2009 - June 30, 2010

David G. Bear, PhD

Professor and Interim Chair



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Summary

The Department of Chemistry and Chemical Biology faced significant challenges during the 2009-2010 academic year. The continued deterioration of the research and teaching facilities compromised the ability to safely house faculty, staff and students. Despite, these challenges, all research-active tenured and tenure-track faculty (9.5 FTEs) were highly productive, with considerable publication records and excellent levels of external research grant support. Several of the faculty members received significant external recognition for their research accomplishments. The department also attracted two new tenure-track assistant professors and a new instructor, which were expected to help relieve some of the pressure from the loss of more than 10 faculty members over the past five years to other institutions, retirements and to administrative positions within the university. The department served over 7,000 undergraduate and graduate students, and generated over 16,000 student credit hours. Faculty morale was quite low with several productive members actively searching for positions at other institutions. If the needs of the Department of Chemistry and Chemical Biology are not addressed in the near future, it is quite likely that the Department will lose its capacity to function as an academic unit.

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I. Significant Developments in 2009-2010

There was a Moratorium on the Search for a Permanent Department Chair

After two failed chair searches, and a year under the direction of Interim Chair Professor Martin Kirk, on August 1, 2009 Dr. David Bear, Professor of Cell Biology and Physiology, who is also the Assistant Dean for Admissions in the School of Medicine, was selected to be the Interim Chair for the next two years at a 50% FTE. Dr. Bear had previously served as Director of Graduate Studies for the School of Medicine (1989-1994) and Chair of the Department of Cell Biology and Physiology (1997-2004). The goal of the interim Chair position was to stabilize the teaching and undergraduate and graduate education programs, and to focus on upgrading the research and teaching facilities to make the position more attractive for future permanent chair search. Professor Kirk served as Associate Chair during this period.

Departmental Research and Teaching Facilities Continued to be in Severe Disrepair

The two buildings that comprise "Clark Hall," where the Department of Chemistry and Chemical Biology are located, were declared unsafe in 1988 by an external review committee, and have continued to deteriorate to the point where parts of both building are presently non-functional and uninhabitable. Abandoned research laboratories are presently being used as storerooms and makeshift work areas for administrative personnel. The restrooms are not ventilated properly and odors from the restrooms permeate the building. The completion of the remodeling of Mitchell Hall in Spring 2010 and the completion of the first phase of the Science and Math Learning Center (SMLC) in Fall 2010 are expected to bring some relief for the lower-division undergraduate courses. However, the organic chemistry instructional laboratory, which could not be accommodated in the first phase of the SMLC, has long suffered from degraded plumbing and ventilation capabilities and lack of appropriate laboratory equipment, making the facility educationally ineffective and unsafe. The research laboratories have serious electrical, plumbing and ventilation issues, and the roof above the top floor of the Riebsomer wing is in serious disrepair. Thousands of dollars of rain damage to instrumentation and walls occurred over the past summer.

Administrative Appointments Reduced the Faculty Teaching Effectiveness

Professor Stephen Cabiness was reassigned to the Water Resources program. Dr. Cabiness taught only two courses in the department, although he also maintained a small research effort. The college of Arts and Sciences provided a Visiting Assistant Professor to take on Dr. Cabiness' teaching duties in the department, Dr. John McBride. Dr. McBride taught three courses during the Spring 2010 semester. Professor Mark Ondrias continued to be assigned to the College of Arts and Sciences as Assistant Dean, and taught only two courses in the department during the year. Associate Professor Deborah Evans was assigned to the College of Engineering as a co-director of educational efforts in the Program in Nanoscience and Microsystems (NSMS). She taught only one course for the department, which was an elective course not assigned by the Chair. Professor Richard Holder continued to serve as the Deputy Provost, and taught only two courses for the department during FY2010. Based on little or no research productivity, Drs. Ondrias and Evans should have each been teaching three 3-unit courses per semester. They continued to hold department faculty lines with no relief from the College of Arts and Sciences.

Despite the Significant Challenges Faced by the Department, There were Several Successful Faculty Searches

The Department of Chemistry and Chemical Biology had 21 tenured and tenure-track faculty members in FY2005. By Fall 2009, this number had shrunk to 13.5. Four of the 13.5 were on administrative assignments outside of the department. In Fall 2008, the College of Arts and Sciences authorized the department to carry out three faculty searches during FY2010. Dr. John McBride was recruited to the faculty in January as Visiting Assistant Professor to teach the analytical chemistry courses that were formerly taught by Professor Stephen Cabiness (see Loss of Faculty Below). Two searches for tenure-track assistant professors were also successfully completed. Dr. Charles Melancon, a post-doctoral fellow at Scripps Research Institute, and Dr. Yang Qin, a post-doctoral fellow at Brookhaven National Laboratory, were selected as the top finalists, and both accepted our letters of offer. The joined the faculty on August 1, 2010.

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Restructuring of the Undergraduate Program Continued

Efforts to restructure the undergraduate program, which had been initiated in the 2007-2008 academic year, continued. But it became apparent that the plan as originally conceived at a time when more faculty were available, was no longer viable with the diminished faculty numbers. The number of students enrolled as chemistry majors rose significantly in 2008-2009 and again in 2009-2010. The number of students enrolled in a Chemistry major or minor in each semester of the 2007-2010 academic years is summarized in the following table:

Semester	Major 07-08	Minor 07-08	Major 08-09	Minor 08-09	Major 09-10	Minor 09-10
Summer 2007	213	229	311	389	313	356
Fall 2007	219	593	326	367	311	374
Spring 2008	229	661	332	394	343	392

The number of students choosing to major and minor in chemistry steadily increased over the past three years.

More importantly, the Department continued to serve a vast population of undergraduate students from outside the department. The number of students who completed the service courses in the Department of Chemistry and Chemical Biology was estimated to be more than 7,000 students.

Course	# of Students Completing Course (Summer 2008, Fall 2008, Spring 2009)	# of Students Completing Course (Summer 2008, Fall 2008, Spring 2009)
Chem 111 Intro Chem for Health Sciences	441	484
Chem 212 Organic & Biochem for Health Sciences	105	104
Chem 121/122 Freshman Chem	1748	1988
Chem 123/124 Freshman Chem Lab	1748	1889
Chem 301/302 Organic Chem	1269	1405
Chem 303/304 Organic Chem Lab	802	819
Chem 253 Quantitative Analysis	151	135
Chem 315 Physical Chem	144	179
Total Number of Students Completing Courses	6,408	7,003

Mounting a Successful Graduate Program Continued to be a Big Challenge

The number of students enrolled in the MS and Ph.D. programs in each semester of the for the past two academic years is summarized in the following table:

Semester	MS	PhD
Summer 2008	4	50
Fall 2008	5	48
Spring 2009	2	44
Summer 2009	3	44
Fall 2009	4	43
Spring 2010	4	47

The number of graduate students in the department remained fairly stable for the past two years, but was only two-thirds the size of the program a decade ago, even though the undergraduate student enrollment over that time doubled. Recruiting of high quality graduate students remains a considerable challenge for the Department of Chemistry and Chemical Biology with some significant obstacles to overcome. With the faculty number below critical mass, the number of graduate courses that can be successfully mounted is small. In addition, the graduate student stipend levels are well below the national average for Tier 2 institutions (approximately $2,000 to $4,000 per year lower). The teaching assistantship stipends were increased for the autumn of 2009 by approximately $2,000 to be more competitive, but at $21,000 per year plus tuition are still well below the average of $25,000.

In the last two decades many of the top chemistry department graduate programs in the US have fiercely recruited domestic students. Thus, UNM has had to accept an ever-increasing number of foreign applicants in order to keep the level of graduate students in the department at critical mass. The entering graduate student classes in the Department of Chemistry and Chemical Biology at UNM have been comprised of more than 50% foreign students for more than a decade. This presents an especially important challenge because first-year graduate students are expected to function as teaching assistants in freshman and organic chemistry laboratory courses. The head instructors have had to take significant measures to ensure the safety and educational quality of the undergraduate laboratory student population by recording laboratory demonstrations and lectures using native speakers.

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Despite the competition for high quality graduate students, the Department has continued to put a significant effort into graduate recruitment under the leadership of Graduate Recruitment Committee Co-chairs, Professors Hua Guo, and Wei Wang. A number of other faculty members worked hard on this effort. It is hoped that the planned increases in faculty numbers and increasing external grant support over the next few years will provide a greater attraction for high-quality domestic and foreign students.

Faculty Awards and Recognition and Highly Significant Professional Activities

Hua Guo: Xth Workshop on Quantum Reactive Scattering, Dalian, China, 2009, invited talk; XXIInd Conference on Dynamics of Molecular Collisions, 2009, Snowbird, Utah, invited talk; Telluride Workshop on New Challenges for Theory in Chemical Dynamics, 2010, invited talk; Telluride Workshop on Toward Meaningful Analysis of Phosphoryl Transfers and RNA Catalysis: Experiments and Computations, 2010, invited talk; C-PCS, Los Alamos National Laboratory, 2009, invited talk; Department of Chemistry, University of Houston, 2009, invited talk; Department of Chemistry, North Texas University, 2010, invited talk; Department of Chemistry, New York University, 2010, invited talk

Lorraine Deck: 7 patents, one patent pending

Debra Dunaway-Mariano: American Chemical Society National Meeting (Washington DC), Repligen Symposium, "Competition Between Enzyme Superfamilies" August 2009; Enzyme Mechanism Conference (Taiwan) "The HAD Enzyme Superfamily" December 2009; Gordon Research Conference Enzymes, Coenzymes & Metabolic Pathways entitled "Hotdog-fold Thioesterases: Divergence of Structure, Mechanism, and Function". July 2010; American Chemical Society Ian Scott Medalist Symposium. "Enzyme Evolution: Where Darwin Encounters Ohno" October 2010; *Session Chair* "Isotopic Probes in Genomic Enzymology" at the Gordon Research Conference Isotopic Probes for Mechanisms in the Chemical and Life Sciences Galveston, Texas February 14-19, 2010; *Organizing Committee,* "22nd Enzyme Mechanism Conference" St Petersburg, Florida January 2, 2011.

Martin Kirk: *External PhD Review Member,* University of Calgary, 2010
College and University Service; UNM NSMS IGERT Management Team Member
Service to the profession (officer in professional society, meeting organizer, etc.)
Chair, Molybdenum and Tungsten Enzyme Gordon Conference, Tuscany, ITALY.

Wei Wang: Selected as the President of the Chinese-American Chemistry & Chemical Biology Professors Association, June 2010 to present; Board Member, *Current Organic Synthesis,* September 2009 to present; *Tetrahedron Letters* Most Cited Paper 2006-2009 Award

Several New Staff Members were Hired to Replace Retirements

No faculty separations occurred this year. Katherine Grey (Fiscal Services Tech), Barbara Wright (Accountant III) and Faye Whittington (Administrative Assistant II), all retired from the department. Penn Rabb (Accountant III) and Fernando Santillanes (Fiscal Services Tech) were hired as replacements. An Administrative Assistant was set to be hired in August 2010.

II. Sponsored Projects

Despite the significant challenges to the Department that have been outlined above, all of the tenured and tenure-track members of the faculty of the Department of Chemistry and Chemical Biology (with the exception of Professors Mark Ondrias and Richard Holder, who were full-time administrators), maintained active research programs. The complete set of external research grants awarded during the FY2010 is contained in the **Appendix 10**.

III. Plans and Recommendations

As of Fall 2010, the morale in the Department of Chemistry and Chemical Biology was somewhat higher than last year due to three successful faculty searches as well as the renovation of the a small area of Clark Hall, and the impending General Obligation Bond election to provide $10 million in desperately needed renovation funds. The UNM Provost's office provided funds for the renovation of the Departmental Offices for the Chair, Accounting Group, the Director of Chemical Education, and the Departmental Administrator. Renovation of a laboratory and adjacent research facilities (coldroom, cell culture room, and instrument room) were also accomplished. However, several faculty research laboratories in Clark Hall remain in such disrepair that they have become uninhabitable, and now serve as temporary storage rooms. If these issues are not addressed, in less than five years the undergraduate major and the graduate program will no longer be viable. If the most productive members of the faculty in the Department were to leave the institution over the next few years, it is estimated that it would take more than $20,000,000 in equipment, salary increases, and research start-up costs to rebuild the department.

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The other critical issue is the safety and quality of the undergraduate student laboratories. The organic chemistry instructional laboratory has several non-repairable plumbing and ventilation problems. **The physical environment and lack of proper equipment make the undergraduate organic chemistry laboratory unsafe, and if left unaddressed this situation could result in student and instructor injuries.**

The department continued discussions on plans for several aspects of the academic mission.

1. ***Reassessment of the Undergraduate Curriculum:*** The Undergraduate Curriculum Committee (UCC) and the Graduate Program Steering Committee (GPSC) focused on several key issues. The UCC focused its attention on devising a strategy to offer the complete set of courses that are currently listed in the catalog. It also addressed the very high drop/withdrawal/failure (DWF) rate among freshman and organic chemistry students. The DWF rate for introductory chemistry (Chem 121/122) has averaged over 40% for the past several years. For organic chemistry, the DWF rate has been 25-30%. This attrition significantly decreases graduation rates and severely impacts those academic programs that rely on chemistry courses as prerequisites and co-requisites for their course offerings. A "parachute" course was designed for Fall 2010 that would allow students failing Chem 121 to transfer seamlessly at the beginning or the fourth week of the semester to a 12-week course designed to provide a foundation for a more successful reattempt at Chem 121 the following semester. The course was to be taught by a part-time instructor, Dr. Shelly James, who is a postdoctoral fellow in the UNM College of Pharmacy. Three undergraduate teaching assistants were assigned to the course.
2. ***Graduate Student Recruitment.*** The GPSC will attempt to address problems with graduate student recruitment and in the difficulties in early student assessment that leads to the failure to detect student academic difficulties in a timely and effective manner.
3. ***High School Chemistry Education Initiatives.*** The Department entered into a partnership with the College of Education to develop a Masters Program in Chemical Education that focuses on improving the quality of high school chemistry education. Included in this initiative was a one-week, summer workshop led by Dr. Joe Ho,

Director of Chemical Education called UChemTeach. 16 high school chemistry teachers from around the state and outside the state attended UChemTeach. Discussions focused on the challenges and approaches to teaching chemistry in high school and some hands-on teaching in the summer school freshman chemistry laboratory course.

4. **Share Facilities.** Department continued to reassess its management practices for shared facilities and develop a strategy for increasing their effectiveness for the New Mexico scientific community. In particular, it was recommended that the Mass Spectrometry/Proteomics facility undergo a significant reorganization. This facility, which only opened a few years ago to significant publicity, lost two of the three faculty members associated with the laboratory to retirement and other institutions. As of July 2010, the facility was operating at a considerable loss, and was the focus of considerable discussion by the faculty.

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IV. Department of Chemistry and Chemical Biology 2009-2010 Faculty Publications

The faculty of the Department of Chemistry and Chemical Biology FY 2010 publication record continued to be among the most prolific on campus.

Stephen Cabaniss

Luilo GB, Cabaniss SE Quantitative Structure-Property Relationship for Predicting Chlorine Demand by Organic Molecules, 2010, *Environ. Sci. Technol.* 44, 7, 2503-2508.

Lorraine Deck

Le, Anne; Cooper, Charles R.; Gouw, Arvin M.; Danavahi, Ramani; Maitra, Anirban; Deck, Lorraine M.; Royer, Robert E.; Vander Jagt, David L.; Semenza, Gregg L.; Dang, Chi V. Inhibition of lactate dehydrogenase A induces oxidative stress and inhibits tumor progression. *Proc. Natl. Acad. Sci. U. S. A., 107,* 2010, 2037-2042.

V.O. Shah, J.E. Ferguson, L.A. Hunsaker, L.M. Deck, D.L. Vander Jagt. Natural Products Inhibit LPS-induced Activation of Pro-inflammatory Cytokines in Peripheral Blood Mononuclear Cells. *Natural Prod. Res.* Accepted.

P.F. Gomez, L.M. Deck, D.L. Vander Jagt, S.R. Kimball, C.C. Norbury, S.F. Abcouwer. Effects of Natural Polyphenolic Phytochemicals and synthetic Curcuminoids on Oxidative Stress and the Production of Inflammatory Mediators by Lipopolysaccharide-activated BV-2 Microglia. *J. Neurosci. Res.* submitted.

J. Wei, D.L. VanderJagt, R.E. Royer, L.M. Deck, Syntheisis of Hemigossypol and its Derivatives, *Tetrahedron Lett.* 2010, *51* 5757-5760.

V.O. Shah, J.E. Ferguson, L.A. Hunsaker, L.M. Deck, D.L. Vander Jagt, Cardiac Glycosides inhibit LPS-induced Activation of Proinflammatory Cytokines in Whole Blood through an NF-kB-dependent Mechanism, *Biochem Pharmacology*, submitted

Deborah Evans

Protocells . A Universal Nanocarrier for Targeted Delivery of Multicomponent Cargos to Cancer, Carlee E. Ashley, Eric C. Carnes, Genevieve K. Phillips, David Padilla, Page A. Brown, Tracey N. Hanna, Juewen Liu, Brandy Comyford, Nichlaus Carroll,Xingmao Jiang, Ingrid Spielman, Cheryl L.Willman, Dimiter N. Petsev, Deborah G. Evans, Bryce Chackerian, Walker Wharton, David S. Peabody, Jeffrey Brinker1, *Nature*, May 2010

John Grey

Observation of the Missing Mode Effect in Poly-Phenylenevinylene Derivative: Effect of Solvent, Conformation and Packing" A.J. Wise, T.P. Martin, J. Gao, K. VanDer Geest, J.K. Grey. *Journal of Chemical Physics*. Accepted for Publication.

"Understanding Morphology-Dependent Polymer Aggregation Properties and Photocurrent Generation in Polythiophene/Fullerene Solar Cells of Variable Compositions" Y. Gao, T.P. Martin, E.T Niles, A.K. Thomas, A.J. Wise, J.K. Grey. *Journal of Physical Chemistry C* (2010) *114,* 15121-15128.

"Resonance Raman Spectroscopic- and Photocurrent Imaging of Polythiophene/Fullerene Solar Cells" Y. Gao, T.P. Martin, A.K. Thomas, J.K. Grey. *Journal of Physical Chemistry Letters* (2010) *1*, 178–182.

Hua Guo

D. Xu and H. Guo, J. Am. Chem. Soc., 131, 9780 (2009), Quantum mechanical/molecular mechanical and density functional theory studies of a prototypical zinc peptidase (carboxypeptidase A) suggest a general acid-general base mechanism.

S. C. Farantos, R. Schinke, H. Guo, and M. Joyeux, Chem. Rev., 109, 4248 (2009), Energy localization in molecules, bifurcation phenomena and their spectroscopic signatures: The global view.

Z. Li, D. Xie, Z. Sun, D. H. Zhang, S. Y. Lin and H. Guo, J. Chem. Phys., 131, 124313 (2009), NH($X^3\Sigma$) + H/D(^2S) → H(^2S) + NH/ND($X^3\Sigma$) exchange reactions: State-to-state quantum scattering and applicability of statistical model.

G. K. Smith, Z. Ke, A. C. Hengge, D. Xu, D. Xie, and H. Guo, J. Phys. Chem. B., 113, 15327 (2009), Active-site dynamics of SpvC virulence factor from *Salmonella Typhimurium* and density functional theory study of phosphothreonine lyase catalysis. (Cover article)

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Z. Sun, L. Liu, S. Y. Lin, R. Schinke, H. Guo and D. H. Zhang, Proc. Natl. Acad. Sci. USA, 107, 555 (2010), State-to-state quantum dynamics of O + O_2 isotope exchange reactions reveals non-statistical behavior at atmospheric conditions.

Z. Sun, H. Guo and D. H. Zhang, J. Chem. Phys., 132, 084112 (2010), Extraction of state-to-state reactive scattering attributes from wave packet in reactant Jacobi coordinates.

W. Lai, S. Y. Lin, D. Xie and H. Guo, J. Phys. Chem. A (invited article in the Soep Festschrift), 114, 3121 (2010), Non-adiabatic dynamics of $\tilde{A}$-state photodissociation of

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ammonia: a four-dimensional wave packet study.

S. Wang, C. Zhang, D. Xu and H. Guo, J. Phys. Chem. B., 114, 9259 (2010), Catalysis of carboxypeptidase A: Promoted water vs. nucleophilic pathways.

J. Ma, S. Y. Lin, H. Guo, Z. Sun, D. H. Zhang, D. Xie, J. Chem. Phys., 133, 054302 (2010), State-to-state quantum dynamics of the $O(^3P) + OH(^2P) \rightarrow H(^2S) + O_2(^3S^-_g)$ reaction. (*Cover article*)

S. Y. Lin, H. Guo, B. Jiang, S. Zhou, and D. Xie, J. Phys. Chem. A (invited article in the Schinke Festschrift), 114, 9655 (2010), Non-Born-Oppenheimer state-to-state dynamics of the $N(^2D) + H_2 \rightarrow NH(\tilde{X}^3\Sigma^-) + H$ reaction: Influence of the Renner-Teller coupling.

Richard Kemp

B.J. Boro, E.N. Duesler, K.I. Goldberg, and R.A. Kemp, "Synthesis, Characterization, and Reactivity of Nickel Hydride Complexes Containing PCP Pincer Ligands", *Inorg. Chem.*, 48, 5081 (2009).

G.R. Fulmer, R.P. Muller, R.A. Kemp, and K.I. Goldberg, "The Hydrogenolysis of Palladium(II) Hydroxide and Methoxide Pincer Complexes", *J. Amer. Chem. Soc.*, 131, 1346 (2009)
G. Page, A.M. Felix, D.A. Dickie, L. Chen, and R.A. Kemp, "Yellow and Blue Make Green: The Importance of Stoichiometry in the Reaction of 1,4-bis(2,6-diisopropylphenyl)-1,4,-diazabutadiene with Dimethylgallium Chloride", *Main Group Chem.*, accepted (2010)

C.A. Stewart, D.A. Dickie, and R.A. Kemp, "1,3-Bis(phenylthiomethyl)benzene", *Acta Cryst.*, accepted (2010)

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C.A. Stewart, D.A. Dickie, M.V. Parkes, J.A. Saria, and R.A. Kemp, "Reactivity of Bis(2,2,5,5-tetramethyl-2,5-disila-1-aza-cyclopent-1-yl)tin with CO_2, OCS and CS_2 and Comparison to that of Bis[bis(trimethylsilyl)amido]tin", Inorg. Chem., in press (2010)

Martin Kirk

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R. P. Mtei, G. Lyashenko, B. Stein, N. Rubie, R. Hille, and M. L. Kirk. Spectroscopic and Electronic Structure Studies of a DMSO Reductase Caltalytic Intermediate: Implications for Electron and Atom Transfer Reactivity, *submitted, J. Am. Chem. Soc.* 2010.

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A. Williams, J. Yang, M. L. Kirk. "Oxomolybdenum Diselenolene Chemistry Related to Pyranopterin Molybdenum Enzymes: Synthesis, Structure and Spectroscopic Properties of $[HB(Me_2C_3N_2H)_3]MoO(Se_2C_6H_4)$ *submitted, Inorg. Chem.* 2010.

Hideki Sugimoto, Susumu Tatemoto, Koichiro Suyama, Hiroyuki Miyake, Regina P. Mtei, Shinobu Itoh, and Martin L. Kirk. Monooxo Molybdenum(VI) Complexes Possessing Olefinic Dithiolene Ligands: Probing Mo-S Covalency Contributions to Electron Transfer in DMSO Reductase Family Molybdoenzymes. *Inorg. Chem.* 2010, *49*, 5368-5370.

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H. Sugimoto, K. Suyama, S. Tatemoto, H. Miyake, S. Itoh, J. Yang, C. Dong, M. L. Kirk. Dioxo–Molybdenum(VI) Complexes with Ene–1,2– dithiolate Ligand: Synthesis, Characterization, Reactivity in Oxygen Atom Transfer to AsO_2^-, and Electronic Structure Description. *Inorg. Chem.,* 2009, *48.* 10581-10590.

M. L. Kirk, D. A. Shultz, R. D. Schmidt, D. Habel-Rodriguez, H. Lee, J. Lee. Ferromagnetic Nanoscale Electron Correlation Promoted by Organic Spin-Dependent Delocalization, *J. Am. Chem. Soc.* 2009, *131*, 18304-18313.

J. Yang, R. Rothery, J. Sempombe, J. H. Weiner, M. L. Kirk. Spectroscopic Characterization of YedY: The Role of Sulfur Coordination in a Mo(V) Sulfite Oxidase Family Enzyme Form, *J. Am. Chem. Soc.,* 2009, *131*, 15612-15614.

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Patrick Mariano

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V. Appendices

Appendix 1 – Major Equipment Purchases

Asset Status Desc	Model	Manufacturer	Sum Of Asset Amount
HPLC System	N/A	Shimadzu	31,665
Chromatograph System	6850 Series	Agilent	47,339
FT-IR Spectrometers	1220007069 – Alpha	Bruker Optics	55,890

Appendix 2 – Number of Students Enrolled in Degree Plans – By Semester

Semester	Minor	BA	BS	MS	PhD
SU 09	356	139	174	3	44
FA 09	374	143	168	4	43
SP 10	392	156	187	4	47

Appendix 3 – Teaching Schedules by Semester

Summer 2009 Teaching Schedule

COURSE	TITLE	DAYS	TIMES	ROOM	INSTRUCTOR
CHEM 121 001	General Chem with Lab	MTWRF	1030-1130	DSH 123	Depperman, E.
CHEM 122 001	General Chem with Lab	MTWRF	0920-1020	CLARK-101	Depperman, E.
CHEM 253 001	Quant Analysis with Lab	MTWR	1250-1350	CLARK-101	Ho, K.
CHEM 301 001	Organic Chemistry	MTWRF	1030-1130	CLARK 101	Deck, L.
CHEM 302 001	Organic Chemistry	MTWRF	1140-1240	CLARK-101	Deck, L.

Fall 2009 Teaching Schedule

COURSE	TITLE	DAYS	TIMES	ROOM	INSTRUCTOR
CHEM 111 001	Elem of Gen Chem with Lab	M W F	1000-1050	CLARK-101	Paine, R
CHEM 111 002	Elem of Gen Chem with Lab	M W F	1300-1350	CLARK-101	Ray, A
CHEM 121 001	General Chem with Lab ***Offered with Chem 121 004***	M W F	0900-0950	WOOD-101	Bellew, D
CHEM 121 002	General Chem with Lab	M W F	1000-1050	WOOD-101	Bellew, D
CHEM 121 003	General Chem with Lab	M W F	1700-1750	NTHRP -122	Rubie, N.
CHEM 121 004	General Chem with Lab ***Offered with Chem 121 001***	M W F	0900-0950	WOOD-101	Bellew, D
CHEM 122 001	General Chem with Lab	M W F	1100-1150	NTHRP-122	Knottenbelt, S.
CHEM 122 002	General Chem with Lab	T R	1830-1945	EDUC 104	Yang, J.
CHEM 131 001	Prin of Chemistry	M W F	0900-0950	DSH 328	Ondrias, M.
CHEM 212 001	Integ Org Chem+Bioch	MW F	1600-1715 1600-1650	CLARK 101 DSH 120	Ray, A

CHEM 253 001	Quant Analysis with Lab	T R	0930-1045	CLARK-101	Cabaniss, S
CHEM 301 001	Organic Chemistry	M W F	0800-0850	CAST 100	Holder, R
CHEM 301 002	Organic Chemistry ***Offered with Chem 301 004***	M W F	1000-1050	DSH 125	Mariano, P
CHEM 301 003	Organic Chemistry	T R	1700-1815	CLARK-101	Deck, L
CHEM 301 004	Organic Chemistry ***Offered with Chem 301 002***	M W F	1000-1050	DSH 125	Mariano, P
CHEM 302 001	Organic Chemistry	M W F	0900-0950	CLARK-101	Deck, L
CHEM 302 002	Organic Chemistry	M W F	1100-1150	CLARK-101	Whalen, L.
CHEM 302 003	Organic Chemistry	M W F	1100-1150	DSH 120	Bellew, D
CHEM 311 001	Physical Chemistry	M W F M	1400-1450 1500-1550	CLARK-101	Guo, H
CHEM 315 002	Intro Physical Chem	T R F	1100-1215 1100-1150	DSH 123 MECH 218	Ho, Joe
CHEM 325 001	ST: NMR 200 ***Offered with Chem 627 001***	F	1300-1450	CLARK-166	Smith, K
CHEM 411L 001	Pchem Lab	T R	1230-1520	CLARK 171	Ho, Joe
CHEM 412 001	Advanced P-Chem ***Offered with Chem 504 001***	T R	0930-1045	HIBB 125	Keller, D
CHEM 425 001	Biological Chemistry	MWF	0900-0950	DSH 126	Whalen, L.
CHEM 431 001	Adv Inorganic Chem	T R	1100-1215	DSH 128	Kemp, R
CHEM 471 001	T. Environ Organic Chem ***Offered with Chem 545 001 & WR 595 001***	T R	1530-1645	DSH 317	Cabaniss, S
CHEM 471 010	T: Charac Meth Nanostructure ***Offered with Chem 567, CHNE 499, 512 & NSMS 512***	T R	1100-1215	MECH 214	Grey, J.
CHEM 499 001	Chem Sem Research	T R	0800-0850	DSH 132	Kemp, R
CHEM 504 001	Chemical Dynamics ***Offered with Chem 412 001***	T R	0930-1045	HIBB 125	Keller, D
CHEM 511 001	Molecular Structure Theory	M W F	0900-0950	DSH 332	Wang, W
CHEM 545 001	T. Environ Organic Chem Offered with Chem 471 001 & WR 595 001	T R	1530-1645	DSH 317	Cabaniss, S
CHEM 567 010	T: Charac of Nano Materials ***Offered with Chem 567, CHNE 499, 512 & NSMS 512***	T R	1100-1215	MECH 214	Grey, J.
CHEM 623 001	Research Colloquium	F	1500-1600	CLARK-101	Kemp, R
CHEM 625 002	Sem: Inorganic	M	1200-1250	BANDE-105	Kirk, M.
CHEM 625 003	Sem: Organic	F	1200-1250	CLARK-101	Wang, W
CHEM 625 004	Sem: Physical	W	1200-1250	CLARK-166	Keller, D
CHEM 627 001	Chem Instrument Sem ***Offered with Chem 325 001***	F	1300-1450	CLARK-166	Smith, K

Spring 2010 Teaching Schedule

COURSE	TITLE		TIMES	ROOM	INSTRUCTOR
CHEM 111 001	ELEM OF GEN CHEM	MWF	1000-1050	CLARK101	PAINE,R
CHEM 111 002	ELEM OF GEN CHEM	MWF	1300-1350	CLARK101	RAY,A
CHEM 121 001	GENERAL CHEM	MWF	1100-1150	WOOD 101	KOTTENBELT, S.
CHEM 121 002	GENERAL CHEM	MWF	1200-1250	CLARK 101	BELLEW,D

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CHEM 122 001	GENERAL CHEM ***Offered with Chem 122 004***	MWF	0900-0950	WOOD 101	BELLEW,D
CHEM 122 002	GENERAL CHEM	MWF	1000-1050	WOOD 101	BELLEW,D
CHEM 122 003	GENERAL CHEM	T R	1700-1815	DSH 127	RUBIE, N.
CHEM 122 004	GENERAL CHEM ***Offered with Chem 122 001***	MWF	0900-0950	WOOD 101	BELLEW,D
CHEM 132 001	PRINCIPLES OF CHEMISTRY II	MWF	0900-0950	MITCH 120	ONDRIAS, M.
CHEM 212 001	INTEG ORG CHEM+BIOCH	MW F	1600-1715 1600-1650	CLARK 101 CLARK 101	RAY,A
CHEM 253 001	QUANT ANALYSIS	T R	0930-1045	CLARK101	MCBRIDE, J.
CHEM 301 001	ORGANIC CHEMISTRY	MWF	0900-0950	CLARK101	WHALEN,L
CHEM 301 002	ORGANIC CHEMISTRY	MWF	1100-1150	CLARK101	DECK, L.
CHEM 301 003	ORGANIC CHEMISTRY	MWF	1100-1150	DSH 125	WHALEN,L
CHEM 302 001	ORGANIC CHEMISTRY	MWF	0800-0850	CAST 100	HOLDER,R
CHEM 302 002	ORGANIC CHEMISTRY ***Offered with Chem 302 004***	MWF	1100-1150	MITCH 101	BELLEW,D
CHEM 302 003	ORGANIC CHEMISTRY	T R	1700-1815	CLARK 101	DECK. L.
CHEM 302 004	ORGANIC CHEMISTRY ***Offered with Chem 301 002***	MWF	1100-1150	MITCH 101	BELLEW,D
CHEM 312 001	PHYSICAL CHEMISTRY	MWF M	14001450 1500-1600	CLARK101	KELLER,D
CHEM 315 001	INTRO PHYSICAL CHEMISTRY	MWF M	1300-1350 1400-1450	DSH 123	GREY,J.
Chem 326 001	T: MOLECULAR STRUCTURE ANALY ***Offered with Chem 545 001***	MW	1300-1450	CLARK 274	SMITH, K MOBARAK, C. DUESLER, E.
CHEM 351L 001	INTEG CHEM LAB I	MW	0900-0950	CLARK 274	MCBRIDE, J.
CHEM 352 001	ANALYTICAL CHEMISTRY	MW	1000-1115	CLARK 274	MCBRIDE, J.
CHEM 421 001	BIOLOGICAL CHEMISTRY ***Offered with Chem 521 001***	T R	1100-1215	CLARK101	DUNAWAY-MARIANO
CHEM 432L	ADV INORGANIC LAB	TR T	1230-1520 0700-0750	CLARK 109A	KEMP,R
CHEM 471 001	CHEM & PHYS NANOSCALE	T R	0930-1045	DSH 128	EVANS, D
CHEM 501 001	MOLECULAR STRUC THRY	T R	1400-1515	CLARK 166	GUO, H
CHEM 514 001	SYNTHESIS ORG CHEM	MWF	1100-1150	CLARK 166	WANG, W
CHEM 521 001	BIOLOGICAL CHEMISTRY ***Offered with Chem 421 001***	T R	1100-1215	CLARK 101	DUNAWAY-MARIANO
CHEM 536 002	SYN MECH INORG CHEM	T R	1230-1345	DSH 331	KIRK, M.
CHEM 545 001	T: MOLECULAR STRUCTURE ANALY ***Offered with Chem 326 001***	M W	1300-1450	MITCH	SMITH, K MOBARAK, C. DUESLER, E.
CHEM 545 002	T; CHEMISTRY TEACHING METHODS	F	1300-1350	CLARK 274	HO, K.
CHEM 567 001	T: MECHANICAL ENZYMOLOGY	TBA	TBA	CLARK 166	DUNAWAY-MARIANO
CHEM 623 001	RESEARCH COLLOQUIUM	F	1500-1600	CLARK101	KEMP,R
CHEM 625 002	SEM: INORGANIC	M	1200-1250	BANDE105	KIRK, M
CHEM 625 002	SEM: ORGANIC	F	1200-1250	DSH 324	WANG, W
CHEM 625 004	SEM: PHYSICAL	T	1200-1250	CLARK166	KELLER,D

Appendix 4 – Undergraduate and Graduate Enrollment – By Courses

	Summer 2009	Fall 2009	Spring 2010
Chem 111L	NO	241	243
121 Enrollment	54	688	496
# of Sections	1	3	2
123L	54	669	456
# Labs	3	29	22
122 Enrollment	53	254	443
# of Sections	1	2	4
124L	48	246	416
# Labs	3	15	19
Chem 131L	NO	37	NO
Chem 132L	NO	NO	30
Chem 212	NO	46	58
Chem 253	NO	77	58
Chem 311	NO	26	NO
Chem 312	NO	NO	23
Chem 315	NO	84	95
Chem 331L	NO	NO	NO
Chem 332L	NO	NO	NO
Chem 351L	NO	NO	12
Chem 352	NO	NO	8
Chem 411L	NO	5	NO
Chem 412	NO	2	NO
Chem 415	NO	NO	NO
Chem 421	NO	NO	25
Chem 425	NO	39	NO
Chem 431	NO	26	NO
Chem 432	NO	NO	9
Chem 433	NO	0	NO
Chem 454	NO	NO	NO
Chem 471 Grey	NO	5	NO
Chem 471 Evans	NO	NO	20
Chem 471 Cabaniss	NO	2	NO
Chem 471	NO	NO	NO
301 Enrollment	100	354	302
# of Sections	1	3	3
302 Enrollment	62	232	251
# of Sections	1	3	3
303L Enrollment	60	248	163
# of Sections	4	15	10

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304L Enrollment	40	125	183
# of Sections	3	8	12

Graduate Courses		**Fall**	**Spring**
		2009	**2010**
Chem 501		NO	5
Chem 504		16	No
Chem 511		20	No
Chem 514		No	7
Chem 521		No	13
Chem 536		No	
Chem 538		No	
Chem 545 Cabaniss		5	
Chem 545 KAS		No	13
Chem 545 Ho		No	33
Chem 567 Grey		15	No
Chem 567 DDM		No	11

Appendix 5 – Graduation Report by Semester

Undergraduate Graduates Fall 2009 and Spring 2010

NAME	DGR	SEM-YR
Abu Dayyeh, Omar K.	BA	FA 09
Aguilar, Denise A.	BS	FA 09
Buechele, Ryan W.	BS	FA 09
Crowell, Marylynn N.	BA	FA 09
Davidson, Nicole A.	BA	FA 09
Dunlap, Leslie	BA	FA 09
Giambra, Anna M.	BA	FA 09
Gonzales, Antonio J.	BS	FA 09
Granados, Michaela L.	BS	FA 09
Herrera, Naomi R.	BA	FA 09
Leonard, Michael J.	BA	FA 09
Lybarger, Leslie E.	BS	FA 09
Moquin, Stephanie Anne	BS	FA 09
Moya, Marcelo M.	BS	FA 09
Najjar, Jared D.	BA	FA 09
Northrup, Knute C.	BA	FA 09
Padilla, Jessica J.	BS	FA 09
Rasheed, Amira M.	BS	FA 09
Reid, Devon E.	BS	FA 09
Rudd, Meghan V.	BS	FA 09
Saiz, David F.	BS	FA 09
Sanchez, Katherine G.	BS	FA 09
Surrock, William T.	BA	FA 09
Tatari, Tamur A.	BS	FA 09
Tracy, Benjamin S.	BA	FA 09
Mitchell, Kevin R.	BS	SU 10
Padilla, David P.	BA	SU 10
Wilson, Melissa R.	BS	SU 10
Abosede, Akindele M.	BS	SP 10
Anaya, Krista A.	BA	SP 10
Byrd, Colin M.	BS	SP 10
Carrasco, Carmela M.	BA	SP 10
Chavez, Carlos A.	BS	SP 10
Chavez, Darlene D.	BA	SP 10
Cox, Clinton D.	BS	SP 10
Davis, Julian	BS	SP 10
Dodson, Anne E.	BS	SP 10
Larsen, Christopher A.	BS	SP 10
Moya, Monica	BS	SP 10
Norton, Charles E.	BS	SP 10
Olivas, Gonzalo A.	BA	SP 10
Orner, Jonathan D.	BA	SP 10
Rebarchik, Cori J.	BA	SP 10
Sandoval, Alexis Y.	BS	SP 10

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Sewell, Robin M.	BS	SP 10
Stevens, Tyler E.	BS	SP 10
Torrez, Jacqueline R.	BA	SP 10

Appendix 6 – Masters and PhD Graduates Fall 2009 and Spring 2010

LAST NAME	FIRST NAME	DRG	CHAIR	MEM 1	MEM 2	MEM 3	MEM 4	GR SM	GR YR
BERHANE	ABEBE	PhD	KIRK	PAINE	WANG	BARTON		SP	2010
CORBITT	THOMAS	PhD	WHITTEN	FULGHUM	CABANISS	KELLER		SP	2010
HUTT	KEN	MS/CW	WANG	DECK	CABANISS			SP	2010
MOUSAVI	ALIYAR	PhD	CABANISS	KEMP	TIERNEY	CROSSEY	ALI	SP	2010
SEVERNS	VIRGINIA	MS/CW	KELLER	EVANS	GREY	CABANISS		SP	2010
JIANG	WEI	PhD	WANG	MARIANO	GREY	FENG		FA	2009
OTTLEY	LEIGH ANNA	MS/TH	KEMP	KIRK	GREY	BOYLE		FA	2009

Appendix 7 – Graduate Recruitment Report Fall 2009

OFFERED ADMISSION – 34 Students

COUNTRY	OFFERS	ACCEPTED	DECLINE	NO RESP
CHINA	22	9	11	2
INDIA	1	0	1	0
USA	11	7	3	1

DENIED ADMISSION – 32 STUDENTS

COUNTRY	NUMBER OF STUDENTS
CHINA	10
GHANA	1
INDIA	6
NEPAL	4
SRI LANKA	5
TANZANIA	3
UGANDA	1
USA	2

Admission to the graduate program was only done in Fall 2009. No student were reviewed or accepted for the spring 2010 semester.

Appendix 8 – New Graduate Students Fall 2009 and Spring 2010

LAST	FIRST	DEGREE	COUNTRY
Bryan	Tyrel	PhD	USA
Gao	Jian	PhD	China
Huang	Changfeng	PhD	China
Latham	John	PhD	USA
Li	Fei	PhD	China
Li	Xichen	PhD	China
Rothrock	Jason	PhD	USA
Seal	Kenneth	PhD	USA
Song	Aiguo	PhD	China
Toews	Sarah	PhD	USA
Varoz	Valerie	PhD	USA
Wang	Lidong	PhD	China
Wang	Ting	PhD	China
Xuan	Weimin	PhD	China
Zhu	Jingshu	PhD	China
Zimney	Lucas	PhD	USA

Appendix 9 –Assistantship Report by Semester

SEMESTER	TA	RA
SU 09	10	26
FA 10	33	13
SP 10	29	15

848

Appendix 10 – Chemistry and Chemical Biology Grant Awards 2009-2010

Cabaniss, Steve
University of Florida $132,288
Novel Sensor for the In Situ Measurement of Uranium Fluxes
Deck, Lorraine
Arizona State University $756
Analogues for Cancer

Deck, Lorraine
Arizona State University $756
Synthesis of Therapeutic Analogues for Cancer

Dunaway Mariano, Debra
Los Alamos National Laboratory $99,000
LANL Standard Research Contract 70137-001-08

Dunaway Mariano, Debra
NIH $975,227
Enzymes: Structure, Mechanism, Function, Inhibition

Grey, John
National Science Foundation $245,000
CAREER: Understanding Structure-Function Relationships in Polymeric Semiconductor Materials
from Top-Down and Bottom-Up Perspective

Guo, Hua
NIH $75,000
AMERICAN RECOVERY AND REINVESTMENT ACT: Mechanism and Inhibition of Arginine Deiminase

Guo, Hua
National Science Foundation $134,426
Dynamic Effects in Hetrogeneous Catalytic Reactions

Guo, Hua
Utah State University $55,539
Wave Packet Based Statistical Approach to Complex-Forming Reactions

Kemp, Richard
Sandia National Laboratories $14,661
Materials Synthesis

Kemp, Richard
National Science Foundation $145,000
Heteroallenes as Building Block for Synthesis and Sequestration

Kemp, Richard
Department of Energy $250,000
Direct Expoxidations Using Molecular Oxygen

Kirk, Martin
National Institute of General Medical Sciences/NIH/DHHS $290,902
Spectroscopic Studies of Molybdoenzymes for Research and Training

Kirk, Martin
National Science Foundation $193,7000
Acquisition of a Low-field NMR Spectrometer for Research and Training

Mariano, Patrick
University of Maryland $24,053
Giardia Drug Targets: Structure Function and Inhibitors

Morrow, Cary
National Science Foundation $298,400
AMERICAN RECOVERY AND REINVESTMENT ACT: Acquisition and Upgrade of Two Low-field NRM
Spectrometers for Research and Teaching

Paine, Robert
Washington State University $100,000
Advanced Aqueous Separation Systems for Actinide Partitioning
Paine, Robert
Department of Energy $290,000
Preorganized and Immobilized Ligands for Metal-Ion Separations

Wang, Wei
West Virginia University HSC $75,009
Phosphodiesterase-2 and Mood Disorders: Target Validation and Drug Discovery

850

Appendix 11 – Departmental Seminar Schedules – Fall 2009 and Spring 2010

Fall 2009

August 28, 2009	Professor Frank Spano Department of Chemistry Temple University "The role of Intermolecular Coupling in the Photophysics of Disordered Organic Semiconductors" (Grey)
September 4, 2009	Professor Daniel Seidel Department of Chemistry & Chemical Biology Rutgers University "Enantioselective Organocatalysis and the Study of Redox Neutral Reaction Cascades" (Wang)
September 11, 2009	Professor Steve Koch Department of Physics & Astronomy- CHTM University of New Mexico "Biophysical studies of the molecular motor kinesin" (Grey)
September 18, 2009	Professor Don Truhlar Kahn Lecture Department of Chemistry University of Minnesota "Density functional theory: New developments" (Guo)
September 25, 2009	Professor Tehshik Yoon Department of Chemistry University of Wisconsin "New Approaches to Redox Catalysis" (Wang)
October 2, 2009	Professor Oliver Monti Department of Chemistry & Biochemistry and Molecular Biophysics University of Arizona "Interfacial structure and Dynamics: Fundamental Insights for Interfacial Charge Transfer" (Grey)
October 9, 2009	Professor Paula Diaconescu Department of Chemistry and Biochemistry University of California, Los Angeles "Reactions of hetercycles with eletrophilic ferrocene diamide complexes" (Kemp)
October 16, 2009	Fall Break – No Seminar
October 23, 2009	Professor Larry G. Sneddon Riley Schaeffer Lecture

	Department of Chemistry University of Pennsylvania "Amine Borane-based Chemical Hydrogen Storage" (Paine)
October 30, 2009	Professor Keith Lidke Department of Physics & Astronomy University of New Mexico "Single Molecule Fluorescence Techniques for Studying Membrane Protein Distributions and Dynamics" (Grey)
November 6, 2009	Professor Peng Wu Department of Biochemistry Albert Einstein College of Medicine "Chemical Tools for Glycobiology" (Whalen)
November 13, 2009	Dr. Alain Goeppert University of Southern California Loker Hydrocarbon Research Institute "Beyond Oil and Gas: A Methanol Economy?" (Bellew)
November 20, 2009	Professor Adrian Roitberg Department of Chemistry University of Florida "The role of pH in biomolecular structure and dynamics. A simulation study" (Guo)
November 27, 2009	Thanksgiving Break – No Seminar
December 4, 2009	Professor Christopher Chang Department of Chemistry University of California, Berkeley "Chemical Approaches to Understanding Copper and Peroxide Biology in the Brain" (Wang)
December 11, 2009	Professor Kazunori Koide Department of Chemistry University of Pittsburgh "Chemistry and biology of antitumor natural product FR901464 and its Analogs" (Wang)

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Spring 2010

January 22, 2010	Dr. Sergei Tretiak Los Alamos National Laboratory Center for Nonlinear Studies "Modeling of Photoinduced Dynamics at the Nanoscale" (Grey)
January 29, 2010	Professor Robert Bergman Department of Chemistry University of California, Berkeley "" (students)
February 5, 2010	Faculty Candidates
February 12, 2010	Christine Luscombe Department of Materials Science and Engineering University of Washington "" (Grey)
February 19, 2010	Professor Nicos Petasis Department of Chemistry University of Southern California "" (Bellew)
February 26, 2010	Professor Art Utz Department of Chemistry Tufts University "" (Guo)
March 5, 2010	Faculty Candidates
March 12, 2010	Professor Dong Hee Son Department of Chemistry Texas A&M University "" (Grey)
March 19, 2010	SPRING BREAK - No Seminar
March 26, 2010	Professor Michael Shi Department of Chemistry West Virginia University "" (Wang)
April 2, 2010	Professor Stephan Link Department of Chemistry Rice University "" (Grey)
April 9, 2010	Professor Tim Glass Department of Chemistry University of Missouri

	"" (Wang)
April 16, 2010	Dr. Mat Celina Sandia National Laboratory "" (Whalen)
April 23, 2010	Professor Shaomeng Wang College of Pharmacy University of Michigan "" (Wang)
April 30, 2010	Professor Jaron Hansen Department of Chemistry and Biochemistry Brigham Young University "" (Grey)
May 7, 2010	Professor John Asbury Department of Chemistry Penn State University "" (Grey)

Annual Report

Combined BA/MD Program
College of Arts and Sciences

Fall 2009 through Summer 2010.

Philip Ganderton
Director, Undergraduate BA/MD Program

Annual Report, 2010

Combined BA/MD Undergraduate Program, College of Arts and Sciences

The Combined BA/MD Program is a collaboration of the College of Arts and Sciences and School of Medicine which is intended to help address the need for physicians in rural and under-served areas of New Mexico. This current year saw the admission of the 5th cohort of students to start in August of 2010. It is funded by the New Mexico State Legislature and admits and supports students who are broadly diverse and who are committed to practicing medicine in New Mexico's medically under-served communities. The BA/MD program is an eight-year, two-stage dual degree program in which participating students first complete a Baccalaureate degree in the College of Arts and Sciences, and then complete an MD at the School of Medicine. Students admitted from high school receive a conditional admission to the School of Medicine.

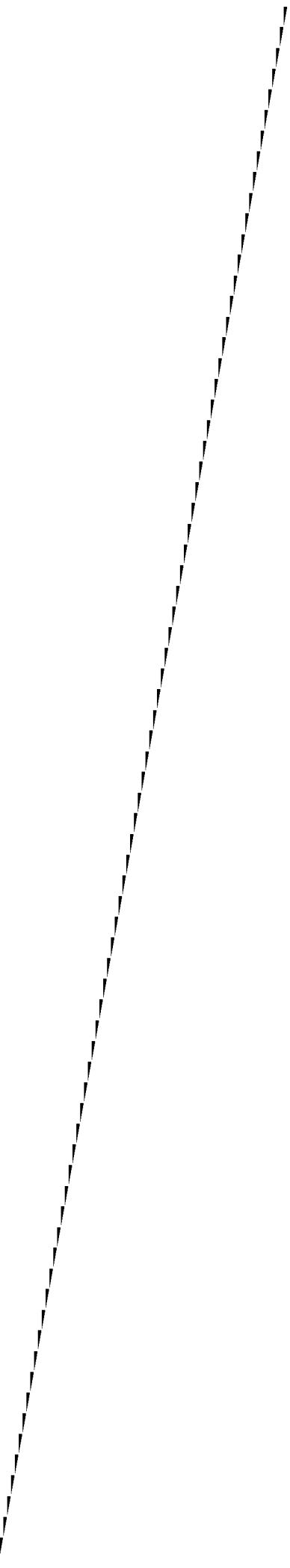
Staff and faculty in the College of Arts and Sciences teach, mentor and advise students in each of the four undergraduate years of the program. The College of Arts and Sciences has primary responsibility for the curriculum, program advisement, scholarships, and other components of the undergraduate program of the BA/MD Program. The School of Medicine has primary responsibility for the recruitment and admission of high school seniors into the BA/MD program.

Administration of the BA/MD Program is a partnership between the College of Arts and Sciences and the School of Medicine. Directorial duties are shared by directors in each respective unit. In the School of Medicine, Valerie Romero-Leggott, Associate Dean, serves as the Director of the BA/MD Program. In the College of Arts and Sciences, Professor Philip Ganderton, Professor of Economics, serves as the Director of the Undergraduate BA/MD. The BA/MD Undergraduate Program reports directly to the Dean of the College of Arts and Sciences.

Major accomplishments during the fourth academic year of the undergraduate component of the program include:

The Health, Medicine, and Human Values (HMHV) Curriculum: The curriculum is well established and all 5 seminars—Seminar in Contours of Health in New Mexico (HMHV 101) offered to first year students, Literature and Medicine (HMHV 201) offered to second year students in Fall, Health Economics, Politics, and Policy (HMHV 301) offered to third year students in the Fall, Health and Cultural Diversity (HMHV 310) offered to third year students in the Spring, and Ethics, Medicine, and Health (HMHV 401) offered to final year students in the Fall—are being offered by Arts and Sciences faculty supported in some way by the Program.

Faculty Hiring and Support in the Undergraduate Program: Although we started the academic year with a full complement of faculty in the Program, two recent hires (Rao in Communications and Journalism – HMHV 310 and Katsafanas in Philosophy – HMHV 401) resigned as of June 2010. In addition Professor Howard Waitzkin of the Sociology



Department who had taught the HMHV 101 seminar three times retired after a long and illustrious career, making significant contributions to the BA/MD Program in his later years. Other College faculty served in various capacities to the program, primarily as members of Program committees such as Curriculum, Evaluation, Continuing Eligibility and Student Support.

Program Administrative Support and Advising Support: The Program continues to offer high quality advising services to students with two advisors (Karen McGillvray and Bryn McCabe-Kelly) as well as superb administrative support from staff members Joyce Krantman and Larry Grobecker. The Program also funded a pre-health advisor in the University College advising center to provide greater advising services for all students interested in the biological and health-related sciences and post-baccalaureate programs.

The first group of students (the 2006 cohort) completed their program and graduated with Bsc and BA degrees from the College in May. Of the initial 30 students, 18 students completed the Program in four years (two students had matriculated early the previous year.) These students will begin their medical school training in summer of 2010.
All Program students successfully completed their first and second years, some with supplemental study in Summer of 2008. The third cohort of 28 students was oriented and welcomed to the program through various activities in the spring and summer and began classes in Fall of 2008. One student declined to sign the commitment form required of all students, and formally withdrew from the BA/MD in Spring semester of 2008. Although other students are on leaves of absence for personal reasons, this is the only withdrawal from the program from the first two cohorts of 58 total students.

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ANNUAL REPORT

Department of Communication & Journalism

AY 2009-2010 (July 1, 2009-June 30, 2010)

Glenda Balas, Chair

Significant Developments

Summary

This academic year has met with several significant achievements for the Communication and Journalism Department at UNM. The department has developed an innovative multi-media journalism emphasis by combining the print and broadcast journalism units and integrating new instruction and training in cross-platform journalistic practice. The C & J Department has also developed an online teaching initiative that has been thoughtfully and creatively designed to serve the needs of students who may not be able to attend face-to- face courses on the UNM campus. Finally, the department has successfully initiated and executed a hiring plan that will allow us to address some of the somewhat dire consequences caused by separation of six faculty members during this period. We acknowledge that the hiring of several talented lecturers will not meet long-term challenges caused by the departure of four tenure-track and tenured faculty members, one visiting assistant professor, and one lecturer II. At the same time, this hiring initiative, which has brought four talented new lecturers on board, will allow us to meet immediate needs, particularly for the undergraduate mission.

Multi-Media Journalism

Several years ago, members of the C & J advisory board, as well as contacts in the teaching and media fields, advised the department to consider integrating its print and broadcast journalism units into a single unit. After consideration of this suggestion—coupled with significant research of its ramifications for teachers and students—the C & J Department developed such a curriculum, with changes to go into effect in FY 11.

This is seen as a very important and progressive move for the journalism units of the department, as it mirrors trends in the industry. This change in curriculum and applied activities will allow C & J to adequately train all journalism students in storytelling and technology applications "across platform." Print and broadcast students alike will receive invaluable training in video camera and editing, still photography, and writing for a range of applications (magazine, newspapers, television, web, and radio). They will also learn to gather news and evaluate its presentation in their own publications, as well as professional venues. The C & J Department is particularly gratified to be among the first departments across the country to make this innovative shift in curriculum, as it demonstrates our commitment to the standards and uses of high quality information development. We also believe these changes in curriculum and program focus will aid the department in achieving ACEJMC accreditation renewal in two years.

Online Teaching Initiative

Although several departments on campus have been engaged over the last several years in online teaching, C & J has not aggressively pursued this kind of delivery in the past. This changed significantly in FY 10, as five C & J faculty members (John Oetzel, Pam Lutgen-Sandvik, Karma Chavez, Sara McKinnon, and Judith White) elected to design and execute online classes. Not only did these faculty members teach online courses in fall and spring, but they also participated in such curriculum delivery in summer terms. This new initiative has been an important addition to the department, as it has not only encouraged faculty to participate in a venue that serves the needs of students unable to attend on-campus classes, but has also produced new revenues. The C & J Department led the departments in the College of Arts and Sciences in growth of production of online student credit hours in the summer of 2010. This growth in credit hours led to creation of new revenues for the department, due to C & J's successful participation in the incentive plan put in place by Provost Ortega and Dean Claiborne. Importantly, C & J's increased participation in online teaching is evidence of the department's interest in producing "state-of-the art" internet courses that serve the needs of New Mexicans broadly.

Hiring Plan

Much to the dismay of members of the C & J Department, several faculty members elected to separate from the university in FY 10. These decisions by faculty members to leave the department produced a significant gap in teaching and service. Swift action by the chair, however, produced a hiring plan that brought four new lecturers on line for Fall 2010. All of these new faculty members are well-trained teachers and researchers in the communication field. Two hold a Ph.D. degree, while a third is in the final stage of completing the doctorate. Todd Winge, M.A., is broadly and usefully trained in the area of multi-media journalism. As noted above, we understand that these lecturer hires cannot and should not replace the need for tenure-track and/or tenured hires in the department. At the same time, the training, accomplishments, and energy of these four individuals have met serious needs for highly qualified teachers in the department. The department also appointed a new department chair in April 2010, as Glenda Balas agreed to take on these responsibilities, beginning August 1, 2010.

Significant Plans and Recommendations

The C & J Department plans to engage in an extended endeavor to develop and promote a re-branding of the department's image in the coming year. It is our view that although the department is a unit of great accomplishment and innovation, this achievement is not always clearly understood by other members of the national and international community of communication and journalism teachers and scholars. Our goal is to develop brainstorming sessions that help us articulate our mission our vision at the local, state, regional, national, and international levels.

The department is also interested is further developing a recruitment effort that will aid in the attraction of high ability graduate students to the department. This effort will involve an analysis of past activities and the development of activities and materials that effectively communicate the excellence, innovation, and range of offerings available through the C & J Department.

The department also plans to refine the public relations and advertising programs in ways similar to modifications made to the journalism program in FY 10. We believe that the development of a strategic communication program, achieved through blending the PR and advertising units, will serve students by training them in methods consistent with industry trends. We also anticipate cost savings to the department due to reduced numbers of courses, sections of classes, and need for part-time instruction. The department also plans to examine ways in which the media studies and public communication emphasis areas can be combined, producing a more satisfying and useful program for students and cost savings to the department.

Finally, the department plans to continue its efforts in online instruction, adding courses in CJ 130 (public speaking) next term and building on past success with other C & J courses as well. We hope to follow in the footsteps of such institutions as New York University and the University of Minnesota in offering innovative public speaking online, providing an important core course to students outside the Albuquerque area and thus allowing them to begin and sustain their undergraduate program at UNM. Fees from this online instruction will prove useful in aiding the department to maintain service in the face of an 8.2 percent budget cut in 2012.

Appointments to Faculty/Staff

Steven Littlejohn, Lecturer

Shana Heinrichy, Lecturer

Todd Winge, Lecturer

Karen Schmidt, Lecturer

Separations of Faculty/Staff

Karma Chavez, Assistant Professor

Saumya Pant, Associate Professor

Nagesh Rao, Associate Professor

Dennis Herrick, Lecturer II

Ginny McDermott, Assistant Professor

Sara McKinnon, Visiting Assistant Professor

Faculty Publications and Creative Works 2009
Communication and Journalism

Cannata-Winge, Karolyn

Front cover design, Destructive Organizational Communication: Processes, Consequences & Constructive Ways of Organizing, by Dr. Pamela Lutgen-Sandvik, Routledge Communication, 2009.

Chávez, Karma R.

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Exploring The Defeat of Arizona's Marriage Amendment and the Specter of the Immigrant as Queer. Southern Communication Journal 74.3 (2009), 314-324.

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Collier, Mary Jane

Negotiating Intercommunity and community group identity positions: Summary discourses from two Northern Ireland intercommunity groups. Negotiation and Conflict Management Research, 2 (2009), 285-306.

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Covarrubias, Patricia

Windchief, S. Silences in Stewardship: Some American Indian College Students Examples. The Howard Journal of Communications, 20, 4 (2009), 1-20.

Cramer, Janet M.

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Foss, Karen A.

(2009). Rhetorical theory. In S. W. Littlejohn & K. A. Foss (eds.) Encyclopedia of Communication Theory, vol. 2 (pp. 853-856). Thousand Oaks, CA: Sage.

Cramer, J. M. Baudrillard and our destiny with the natural world: Fatal strategies for environmental communication, Environmental Communication: A Journal of Nature and Culture, 3 (2009), 298-316.

Littlejohn, S. W. (2009). Encyclopedia of communication theory (2 volumes). Thousand Oaks, CA: Sage, 2009.

Lutgen-Sandvik, Pamela

Sypher, B. D. (eds.). (2009). Destructive organizational communication: Processes, consequences, and constructive ways of organizing. New York: Routledge/Taylor & Francis.

Namie, G., & Namie, R. (2009). Workplace bullying: Causes, consequences, and corrections. In P. Lutgen-Sandvik & B. D. Sypher (eds.), Destructive organizational communication: Processes, consequences, and constructive ways of organizing (pp. 27-52). New York: Routledge/Taylor & Francis.

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McDermott, Virginia

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Oetzel, John G.

Duran, B., Parker, T., Malcoe, L. H., Lucero, J., & Jiang, Y. Intimate partner violence and alcohol, drug, and mental disorders among American Indian women from Southwest tribes in primary care. The American Indian and Alaska Native Mental Health Research: A Journal of the National Center, 16(2) (2009), 11-27.

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Rodriguez, Ilia

Diversity writing" and the Liberal Discourse on `Multiculturalism in U.S. Mainstream Newspapers. Howard Journal of Communications 20 (2) (2009), 167-188.

Santiago-Díaz, E. (2009). Desde las fronteras de dos casas letradas: Habla Piri Thomas. Revista Iberoamericana 75 (229), 1199-1122.

Schaefer, Richard

Martinez, T. J. Trends in network news editing strategies from 1969 through 2005. Journal of Broadcasting & Electronic Media, 53:3 (2009), 347-364.

Carolyn Gonzales as guest producers with Rodrigo Gúzman Serrano, Jennifer Vieth, Leah Valencia, Paola López Menenses, Amanda Skotchdopole on Red Migrante one-hour syndicated public radio program on immigration taped on July 27, 2009 in the Canal Tres Studio in Morelos, Mexico.

(Sept. 29, 2009). Perspectives on Mexican and Central American Immigration at the Inter-university and inter-profession Washington, DC Weekly Policy Salon. Work included videos and a 90-minute presentation on immigration given to university students, faculty, journalists and political staffers.

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(2009). Political Communication Theory. In. S. Littlehohn & K. Foss (eds.), Encyclopedia of Communication Theory. Thousand Oaks, CA. Sage

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Werder, Olaf

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THE ANNUAL REPORT OF THE DEPARTMENT OF EARTH AND PLANETARY SCIENCES

July 1, 2009 to June 30, 2010

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Department of Earth and Planetary Sciences

Annual Report

July 1, 2009 – June 30, 2010

Adrian Brearley, Interim Chair

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I. GENERAL DEPARTMENTAL INFORMATION

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FACULTY AND STAFF

PROFESSORS:

Carl Agee, Ph.D., University of Columbia, 1988.
Yemane Asmerom, Ph.D., University of Arizona, 1988.
Adrian J. Brearley, Ph.D., University of Manchester, (United Kingdom), 1984.
Laura J. Crossey, Ph.D., University of Wyoming, 1985.
John W. Geissman, Ph.D., University of Michigan, 1980.
David Gutzler, Ph.D., Massachusetts Institute of Technology, 1986. (Regents Lecturer)
Karl E. Karlstrom, Ph.D., University of Wyoming, 1981.
Barry S. Kues, Ph.D., Indiana University, 1974.
Leslie D. McFadden, Ph.D., University of Arizona, 1982.
Grant Meyer, Ph.D., University of New Mexico, 1993.
Jane Selverstone, Ph.D., Massachusetts Institute of Technology, 1985. (Regents Lecturer)
Gary Smith, Ph.D., Oregon State University, 1986.
Zachary Sharp, Ph.D., University of Michigan, 1987.

ASSOCIATE PROFESSORS:

Maya Elrick, Ph.D., Virginia Tech. University, 1990.
Peter Fawcett, Ph.D., Pennsylvania State University, 1994.
Tobias Fischer, Ph.D., Arizona State University, 1999.
Rhian H. Jones, Ph.D., University of Manchester, Great Britain, 1986.
Mousumi Roy, Ph.D., Massachusetts Institute of Technology, 1997.
Louis A. Scuderi, Ph.D., University of California, Los Angeles, 1984.
Gary Weissmann, Ph.D., University of California, Davis, 1999

ASSISTANT PROFESSORS:

Joseph Galewsky, Ph.D., University of California, Santa Cruz, 1996

SENIOR RESEARCH PROFESSORS:

Roger Y. Anderson, Ph.D., Stanford University, 1960.
Cornelis ("Kase") Klein, Ph.D., Harvard University, 1965.
Wolfgang E. Elston, Ph.D., Columbia University, 1953.
Lee A. Woodward, Ph.D., University of Washington, 1962.

RESEARCH PROFESSORS:

Horton Newsom, (Institute of Meteoritics), Ph.D., University of Arizona, 1981.
Franciscus J.M. Rietmeijer, Ph.D., Rijksuniversiteit-Utrecht, Netherlands, 1979.
Charles K. Shearer, Jr., (Institute of Meteoritics), Ph.D., University of Massachusetts, 1983.
Penny King, (Institute of Meteoritics), Ph.D., Arizona State University, 1999.

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LECTURERS:

Amy Ellwein, Lecturer III (Natural Sciences Program)
Matthew Nyman, Lecturer III (Natural Sciences Program), Ph.D., Virginia Tech University
Timothy F. Wawrzyniec, Lecturer III, Ph.D., University of New Mexico
Aurora Pun, Lecturer III, Ph.D., University of New Mexico

PROFESSOR EMERITUS:

Roger Y. Anderson, Ph.D., Stanford University, 1960.
Wolfgang Elston, Ph.D., Columbia University, 1953
Rodney C. Ewing, Ph.D., Stanford University, 1974.
James J. Papike, Ph.D., University of Minnesota, 1964. (Regents Professor).
Lee A. Woodward, Ph.D., University of Washington, 1962.

RESEARCH STAFF:

Mehdi Ali, Senior Research Scientist I, Ph.D., University of Arizona, 1989.
Viorel Atudorei, Research Scientist III, Ph.D., University of Lausanne, Switzerland, 1998.
James Connolly, Research Scientist II, M.S., University of New Mexico, 1981.
Jed Frechette, Research Scientist III, M.S., University of New Mexico, 2007.
Shenghong Huang, Research Scientist I, Ph.D., University of New Mexico, 2007.
Ying-Bing Jiang, Ph.D., Sr. Research Scientist II, Ph.D., University of New Mexico, 2005.
Alexandra Kirk, Research Scientist I, B.S. University of New Mexico, 2008.
Francis McCubbin, Senior Research Scientist III, Ph.D., Stony Brook University, 2009.
Victor Polyak, Senior Research Scientist I, Ph.D., Texas Tech University, 1998.
Sedelia Rodriguez, Research Scientist I, Florida International University, 2006.
Michael N. Spilde, Research Scientist III, (Institute of Meteoritics), M.S., South Dakota School of Mines and Technology, 1987.
Ying-Bing Jiang, Ph.D. Sr. Research Scientist II, Ph.D., University of New Mexico, 2005.

POST-DOCTORAL RESEARCH SCIENTISTS:

Li Dong, Ph.D., Cornell University, 2006.
Corentin LeGuillou, Ph.D., Paris University, 2008.
Thomas Whittaker, Ph.D., University of Waikato (New Zealand), 2009.
Shaorang Yang, Ph.D., University of New Mexico, 2006.

ADJUNCT PROFESSORS:

Bruce Allen, University of New Mexico, 1993.
Warren S. Baldridge, Ph.D., Caltech University, 1978.
John D. Bloch, Ph.D., The University of Calgary, 1989.
Mark B. E. Boslough, Ph.D. Cal Tech.
Corey Fincher, M.S., University of New Mexico, 2005
Lind Gee, Ph.D., Massachusetts Institute of Technology, 1990.
Fraser E. Goff, Ph.D., University of California, Santa Cruz, 1977.
Adrian Hartley, Ph.D., University of Aston, 1987.
Grant H. Heiken, Ph.D., University of California, Santa Barbara, 1972.
Charles Hutt, Ph.D., University of New Mexico, 1985.

Francis McCubbin, Ph.D., Stony Brook University, 2009.
Sean McKenna, Ph.D., Colorado School of Mines, 1994.
Duane M. Moore, Illinois State Geological Survey.
Claudia Mora, Ph.D., University of Wisconsin.
Donald Peterson, Ph.D., Stanford University, 1961.
Walter C. Riese, Ph.D., University of New Mexico, 1980.
John Shomaker, Ph.D., University of Birmingham (United Kingdom), 1995.
Aviva Sussman, Ph.D., University of Arizona, 2002.
Gregory Valentine, Ph.D., University of California, Santa Barbara, 1988.
Erik Webb, Ph.D., University of Wisconsin, Madison.
Thomas Williamson, Ph.D., University of New Mexico, 1993.
Yifeng Wang, Ph.D., Indiana University, 1993.
Jolante van Wijk.

STAFF:

Mary Bennett, Accountant II
Holly Buehler, Research Tech
Mabel T. Chavez, Editorial Technician
Shannon Clark, Program Coordinator, Institute of Meteoritics
Eileen Embid, Editorial Specialist
Mark Fleharty, System Administrator
Gilbert E. Griego, Harding Mine Maintenance Mechanic
Kim Gugliotta, Lab Tech
Cindy Jaramillo, Administrative Assistant III
Peter Kindilien, Systems Analyst 3
LeeAnn Lloyd, Administrative Assistant II, Institute of Meteoritics
Robert Macy, Research Engineer II
Paula Pascetti, Department Administrator
Anthony Velardez, Facilities Service Technician

VISITING SCIENTISTS:

Kent Condie, New Mexico Tech
Rhawn Denniston, Cornell College
Dr Joseph Goldstein, University of Massachussetts
Dr. Jeff Grossman, USGS, Reston
Daniel Holm, Kent State University
Morgane LeBrun, Ecole Normale Superieur de Geology, Nancy, France
Paola Manzari, Universita Italy
Leslie Melim, Western Illinois University
Roberto Molina-Garza, UNAM
Michael Petronis, New Mexico Highlands University
Ulrike Werban, UFZ-Centre for Environmental Research in Leipzig, Germany
Dr. Adrian Hartley, University of Aberdeen
Dr. Stephanie Davidson, University of Aberdeen
Dr. Sophie Leleu, University of Aberdeen

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DEPARTMENTAL STANDING COMMITTEES, 2009-2010[1]

ASSOCIATE CHAIRS

A. Brearley
M. Roy

GRADUATE COMMITTEE

P. Fawcett
J. Selverstone (sabbatical, Fall, 09)
G. Meyer
L. Scuderi
T. Fischer
R. Jones

GRADUATE ADMISSIONS COMMITTEE

G. Weissmann
M. Roy
C. Agee
L.D. McFadden
M. Elrick
L.J. Crossey

UNDERGRADUATE COMMITTEE

D. Gutzler
G. Smith
M. Nyman
M. Elrick
L.J. Crossey
A. Brearley
J. Galewsky

INSTRUMENTATION AND FACILITIES

Z. Sharp
M. Ali
Y. Asmerom (sabbatical AY 09 and 10)
C. Agee
C. Shearer
A. Brearley
L. Crossey
P. King

COMPUTATIONAL FACILITIES

J. Galewsky
D. Gutzler
J. Connolly
M. Roy
P. Fawcett
T. Wawrzyniec

FACULTY PRODUCTIVITY ASSESSMENT

J.W. Geissman
A. Brearley
K.E. Karlstrom
L. Scuderi
Z. Sharp

COLLECTIONS COMMITTEE

B. Kues
G. Smith

GRADUATE ADVISOR

P. Fawcett

UNDERGRADUATE ADVISORS

J. Galewsky (Env. Sci)
M. Elrick (E&PS)
L.J. Crossey (E&PS and Env. Sci., Also Honors Advisor)
P. Fawcett (Env. Sci. Course Equivalency checks)

[1] Committee Chair underlined.

LIBRARY LIAISON

B. Kues

VEHICLES

K.E. Karlstrom
P. Pascetti
A. Velardez

SAW ROOM

T. Wawrzyniec

ALUMNI NEWSLETTER EDITOR

B. Kues

ALUMNI RELATIONS

J. Galewsky
J.W. Geissman
T. Wawrzyniec

FACULTY REPRESENTATIVE TO CASWELL SILVER BOARD

J. Galewsky

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APPOINTMENTS AND SEPARATIONS

APPOINTMENTS TO FACULTY

SEPARATIONS FROM FACULTY

Jane Selverstone, Professor
Amy Ellwein, Lecturer III (Natural Sciences Program)
Timothy F. Wawrzyniec, Lecturer III

SEPARATION FROM STAFF

Holly Buehler, Research Tech
Eileen Embid, Editorial Specialist
Kim Gugliotta, Lab Tech
Alexandra Kirk, Research Scientist I
David T. Lescinsky, Research Scientist III
Sedelia Rodriguez, Research Scientist I
Shaorang Yang, Post Doctoral

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II. ACTIVITIES, ACHIEVEMENTS, AND PLANS

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INTRODUCTION

This annual report summarizes the activities, accomplishments and plans of the Department of Earth and Planetary Sciences (E&PS), during the academic year 2009-2010. As in previous years, this also includes, when appropriate, some relevant information for the Institute of Meteoritics and Astromaterials Institute (IOM; Professor Carl Agee, Director and Full Professor in the Department), a Category II Institute in the College of Arts and Sciences that has been closely affiliated with the Department since 1967. Most details of faculty activities (Part III), including faculty, staff, and student publications, however are derived from biographical supplements for calendar year 2009. Therefore, published papers, chapters and other documents included in the report, for example, are only for that year. Because this is the only document that comprehensively summarizes the Department's history during the past year and it is used as a source of information by interested parties within and outside of the University, we continue to attempt to make it as complete as possible.

During academic year 2009-2010, the faculty of the Department of Earth and Planetary Sciences consisted of 21 regular tenured or tenure-track faculty, 4 Lecturers and 8 Senior Research Professors and/or Research and Research Associate Professors. In addition, 12 Ph.D.-level research scientists (five within IOM) and two M.S. level research staff member filled several non-faculty positions within the Department. Most of these individuals are scientific staff with specific responsibilities relating to analytical laboratories and departmental research activities. Also, the Department has five emeritus faculty members, four of them retain offices in Northrop Hall and are still actively engaged in scientific research. Finally, the Department has a large number of Adjunct Faculty, nearly all of whom have Ph.D.s and who are engaged in various collaborative research projects involving other faculty and staff members and graduate and undergraduate students. A few Adjunct Professors are retired, eminent scientists from other institutions and who spend parts of their post-retirement, productive years of their research careers at UNM. The Department reviews its Adjunct Faculty on an annual basis, and in many cases will remove Adjuncts from its list. We have also added three Adjunct Faculty over the past year. The Department faculty is thus augmented by many Earth and Planetary scientists, with Ph.D., or Master's degrees, who in some cases participate in teaching and advisement of graduate students, adding in important and beneficial ways to the research capabilities and scholarly reputation of the Department.

The permanent scientific staff in the Department and IOM also includes several technicians and Research Associates. The office administrative, clerical, and support staff also contribute vitally to the functioning of the Department and this cannot be overstated. Several other scientists affiliated with other institutions were in residence in the Department for periods ranging from weeks to the entire year, conducting research as visiting scientists and working with faculty and staff members. The names of all these departmental personnel are included in the first section of this report and in the Appendix.

FACULTY AND STAFF ACCOMPLISHMENTS

Instructional Activities

1. Student enrollments

Student enrollments in Department of Earth and Planetary Sciences courses during the 2009-2010 academic years, as indicated by total student credit hours (SCH), totaled 12,206 for regular courses, and 13,500 counting Natural Sciences Program courses (see Table below). These figures represent a continued trend of accelerated growth from the 2005/06 academic year, when we saw the first year of overall student credit hour decline after six straight years of increases in SCH associated with courses offered in Earth and Planetary Sciences. These figures include academic year courses plus our two summer courses (E&PS-319L and 420L in early summer in 2009 as well as student credit hours generated by courses that are part of the now nine-year old Department degree program in Environmental Sciences (Env. Sci.). The Department's SCH figures for the past 13 years are given below.

Year	SCH	SCH (with Natural Sciences Program)	% change from previous year regular	Inc. N.S.P.
1997-98	5882	6534	-6.7	+ 3.7
1998-99	5705	6777	-3.0	+3.7
1999-00	6464	7580	+13.3	+11.8
2000-01	6752	7812	+4.5	+3.1
2001-02	7041	8181	+4.3	+4.7
2002-03	8417	9953	+19.5	+21.7
2003-04	8705	10,061	+4.4	+2.1
2004-05	8930	10,190	+2.58	+1.28
2005-06	8653	9977	-3.10	-2.09
2006-07	8813	10,177	+1.8	+2.0
2007-08	9348	10,444	+6.07	+ 2.6
2008-09	10,654	11,870	+13.9	+13.6
2009-10	12,206	13,500	+14.6	+13.7

Over the past ten years, there has been an overall increase of some 80% (for E&PS courses only) since academic year 1999-00 and overall E&PS SCH productivity has returned to levels last observed during the late 1980s. In fact, the numbers of students in many of our core E&PS courses is at record highs, and continues to seriously tax our teaching facilities and resources. Notably, for the past several years we have increased, based on student demand, the number of lecture sections in Env.Sci. 101 (Blue Planet) and the corresponding laboratory section Env.Sc. 102L.

In the past several annual reports, we have emphasized the considerable increases in E&PS enrollments since 1999-2000. These increases have occurred in part because of overall enrollment increases at UNM during this time period, although the rate of increase has fluctuated over the past few years. The percentage increase in SCH for Earth and Planetary Sciences is larger than the overall increases in SCH for both UNM as well as many components of the College of Arts and Sciences over this time period. The increases certainly reflect the increasing popularity of the Environmental Sciences 101 (Blue Planet) sections and associated laboratory course, Env. Sci.102L. In fact, in the context of preparing our course teaching schedule for Fall, 2009, we faced the need to add yet another additional lecture section of Env. Sci. 101, and increased the number of Env. Sci. 102L sections to twelve (all of which are presently completely full). Accordingly, in the report from four years ago, we also indicated that the Department very much appreciates receiving additional TA and GA support from the College (mainly associated with the "Success funds") to aid in the Department's academic mission and in recognition of the need for additional TAs and related support associated with the increased enrollments and new laboratory sections. This past 2009-10 AY numbers are consistent with overall strong course enrollments over the past several years, and we believe that future increases in SCH in the Department of Earth and Planetary Sciences will reflect the general, national trend of greater interest in the Earth Sciences. The faculty does understand the importance of maintaining these enrollments, and when possible, attempting to increase them in measured and realistic ways.

2. Developments in Course Offerings

As always, the tenure-stream faculty continued to teach over 90 percent of the courses offered during academic year 2009-10. A small number of courses were taught by "Part-time Instructors", some of whom have or have had Adjunct Faculty status (e.g., Thomas Williamson (Dinosaurs and their World)). Lecturers, of course, have a strong affiliation with the Department, and include Dr. Aurora Pun (Physical Geology, Geologic Disasters, Coordinator for our 105L sections) and Dr. Tim Wawrzyniec (Physical Geology, Petroleum Geology, and New Mexico Field Geology). Other Lecturers (Dr. Matt Nyman and Ms. Amy Ellwein) are responsible for most of the courses taught in the Natural Science Program.

Due to the budget issues facing the university, our options for offering new classes have been quite limited. Our emphasis has been on maintaining our existing classes. However, in Spring 2010, Dr. Rhian Jones added a well-subscribed graduate level course on Igneous Processes to our graduate level offerings. After an initial complete overhaul of a critical course in the undergraduate degree program, E&PS-433 (Statistics and Data Analysis), two years

ago, Drs. Dave Gutzler and Mousumi Roy continued to develop a very well-subscribed, and completely redesigned and reorganized course. They continued to co-teach the course during the 2009-10 academic year.

The Department continues to assume responsibility for the Natural Sciences Program, which consists of a sequence of three courses integrating the Natural Sciences for College of Education students who will become K-9 teachers in New Mexico's public schools. This program provides potential public school teachers with solid training in science and in the effective teaching of science to younger students. In 2009-2010, 17 classes were offered, producing over 1294 student credit hours, a significant contribution to the total SCH produced by the Department and a further increase on AY08-09. The continuing integration of Natural Sciences Program and geoscience education into the Department is an important goal for the Department. Dr. Matthew Nyman, Lecturer III in the Department as the Natural Science Program Director, also continued to direct the operation of this program. So far, he has been successful in many respects developing additional courses in the Natural Science Program, helping develop important new contacts and collaboration at Sandia National Laboratory with key scientists, as well as helping to acquire new funding through grant proposals.

Notably, the Department looks forward with eager anticipation to the completion of the Science and Math Learning Center in late 2010. Several members of the Department, including Professor John Geissman (Chair), Professor Les McFadden (past Chair), Professor Gary Smith (past coordinator for our Physical Geology 105L labs), Professor Grant Meyer (coordinator for our Env.Sci. 102L labs), Dr. Aurora Pun (coordinator for our Physical Geology labs), and Dr. Matt Nyman and Ms. Amy Ellwein (coordinators for our Natural Science Program lab-based courses), have been involved in the planning process for the facility. The state-of-the-art teaching facilities in the new building will house all our 100 level laboratory classes (EPS 105L , EnvSci 102L) as well as the Natural Sciences program. Professor Meyer, Dr Nyman and Dr Pun have worked extensively over the year to fully equip the new classrooms for teaching which will begin in this new facility in Spring 2011. We are indeed delighted to see this project coming to completion in such a timely fashion.

3. Summer Course Offerings

During the early part of Summer, 2010, the Department conducted its 3-week Introductory Field Geology (E&PS-319), the capstone class for all Earth and Planetary Science majors, as well as E&PS 101, and E&PS 105L. Due to limitations in summer field camp funding, the Advanced Field Geology (E&PS-420) and Field Volcanology Course (E&PS-453), which, historically, has been taught every other year, were not taught this past summer. We hope that these two classes will be offered in Summer, 2011.

4 . Curriculum Changes and Outcomes Assessment

Continued plans for outcomes assessment occupied a considerable amount of time by several faculty in the Department, during the 2009-2010 academic year, in anticipation of a formal outcomes assessment program in place at UNM. The Department prepared comprehensive Goals/Objectives and corresponding Outcomes for ALL of its programs (E&PS BS, E&PS BA, Env. Sci., B.S., and Graduate Program), and has provided numerous detailed examples of specific outcome assessment plans for each of the programs. These have now been accepted with some minor revisions. The Department continues to utilize many procedures adopted during the last effort by the University to develop such programs. For example, all graduate exams are formally evaluated with specific outcomes assessment goals in mind; and we continue to offer key courses for our seniors in both the conventional Geoscience as well as the Environmental Science Programs that are designed to fulfill "capstone course" goals. The Department conducted outcomes assessment for several of its General Education (UNM core) courses during the 2009-10 academic year.

Research and Publication

The faculty, research staff and students of the Department continued their high level of productivity in research in 2009-10. Research is an essential and fundamental function of the Department of Earth and Planetary Sciences at UNM, as it should be in any academic department at a research university. As we have repeatedly noted in past annual reports, the Department's status and respect within its discipline depends primarily on the quality and quantity of its research, and its collective ability to attract external funding for research activities as well

as high-quality graduate students in its Graduate Program, just as a university's stature depends mainly on the scholarly activities of its entire faculty and associated Research Scientists and Research Professors.

In fall 2010, the long-awaited NRC report on the rankings of graduate programs in the sciences. This report was due to be released in February, 2008, but was delayed substantially. The department showed a strong performance in the NRC rankings. Based on the R-ranking method the department ranked 61st out of the 140 ranked programs and 42nd based on the S-ranking method. It should be noted that the rankings include several programs at individual institutions, such as five separate programs at Caltech which all ranked in the top 10. The strengths of the department are highlighted by several additional categories. For example, the department ranked 39th in terms of research activity with over 90% of faculty holding research grants. Our very strong support of graduate students is demonstrated by the fact that we ranked 27th in the nation for student support and outcomes with 100% of our graduate students receiving financial support. Only 20% of this support comes as teaching assistantships. The rest of the support is from RAs on research grants or fellowships of different kinds.

We continue to strive to improve our research profile in challenging economic environment. Notably, with an essentially non-changing instructional and general (I&G) budget (thus decreasing in real dollars), overhead return funds to the Department continue to be used for a wide range of purposes to augment research activities in the Department. The 2009-10 year continued to see an array of financial crises (i.e. beginning with the late August, 2007, announcement of the very large and growing debt in the Office of the Vice Provost for Research and Economic Development, OVPRED) and a complicated array of possible responses to these financial difficulties by the Central Administration. The Department of Earth and Planetary Sciences remains very concerned about a potential loss in overhead return to the Department. Part of the reason for this concern is the fact that the (partial) salaries of several key staff in the Department are paid using overhead return funds, a practice we were instructed to carry out by a previous Dean of the College of Arts and Sciences.

Our active research programs form an essential teaching tool in keeping undergraduate and graduate students up to date, in educating them not only about facts but also about how knowledge is gained, and (especially with graduate students) providing support for thesis/dissertation work and in the mentoring process of future geoscientists.

During calendar year 2009-10, members of the Department tenure-stream faculty produced over seventy publications, and these are primarily scholarly papers in refereed journals and edited volumes, but they also include geologic maps and other important publications (see section III). Most of these publications are papers published in major national and international journals (also see University of New Mexico Faculty Publications and Creative Works, 2009). Department and IOM Research Scientists, Research Professors, and graduate students collectively also published a large amount of research (see The Annual Report of the Institute of Meteoritics, 2009). Department faculty, staff and students also were included as contributing authors on over 110 abstracts of papers presented at numerous professional meetings and conferences. Although publications by Department Adjunct faculty are not formally included in this report, many Adjunct faculty are also quite active with respect to publishing results of their research. Part 4 of Section III includes additional information concerning the research activities of some of our Adjunct faculty members.

As with the past several years, graduate students and several undergraduates participated significantly in the Department's publication effort (see section IV). Many refereed papers published in 2009-10, as well as those submitted this year, had student coauthors and students also contributed to many of the published abstracts based on presentations made at professional meetings. At the Geological Society of America meeting in Portland, Oregon, over 15 students, including three undergraduates, presented their research; at the Fall American Geophysical Union meeting, in San Francisco, some 9 students, including two undergraduates, presented their research work. The Department always has a strong presence at the Fall Field Conference meeting of the New Mexico Geological Society, with several informal presentations being made by our faculty and students on the multi-day field based conference. The Department faculty continues to be strongly committed to involving students at both the graduate and undergraduate level in research (including providing financial support), to encourage them to present the results of their research through professional talks, and to publish the results of their research in appropriate venues. All of these activities will clearly play an important role in their preparation for an array of possible careers in the Earth Sciences. In a further effort to promote involvement of undergraduates in research, during AY09-10, we proposed using funds from one of

our alumni funds, the Leonard Foundation for scholarships to support undergraduates. In Fall 09, we offered five of these fellowships (Leonard Research Scholarships) worth $5000 each by application through competitive proposals. This initiative was highly successful and we were able to provide 6 scholarships (1 split between two individuals). Several of the students who received this funding were able to drop low paying jobs and carry out research which they would not have otherwise been able to do. We hope to continue this initiative for several more years.

E&PS and IOM have and continue to be very successful in acquiring substantial funding from several external agencies in support of its research and teaching mission (see section III, part 3), as our NRC ranking in this area indicates. During 2009-2010, faculty and staff were awarded 23 new contracts and grants totaling $3.8 million, to support research, equipment acquisitions and educational activities in the department and university. These new grants add to the 54 active, existing contract and grant awards totaling over $12 million. Also, research scientists and E&PS faculty in the Institute of Meteoritics were awarded over $1.5 million in funding associated with several grants, mostly associated with research supported by NASA and the NSF. During the 2009-10 year, in a combined effort with the School of Engineering, the Department was successful in obtaining funding ($550,000) from the National Science Foundation Stimulus-based Major Research Infrastructure Program for a new X-ray diffraction instrument that will be housed in the X-ray diffraction laboratory in the basement of Northrop Hall. This instrument represents a further major step forward in obtaining state-of-the-art instrumentation for nanoscience and nanotechnology research on the UNM campus and opens up substantial new research opportunities in the areas of nanocharacterization, and nanofabrication. The successful proposal with Professor Abhaya Datye, Chemical and Nuclear Engineering as Principal Investigator and coPIs Adrian Brearley (E&PS), James Connolly (E&PS) Claudia Luhrs (Mechanical Engineering) and Darren Dunphy (Center for High Technology Materials).

Professor Karl Karlstrom and Professor Laura Crossey were successful in obtaining continued NSF funding to complete the ambitious geosciences education project, 'Trail of Time' at the Grand Canyon. This project will be completed in Fall 2010 and will provide a much needed and comprehensive upgrade of the educational exhibits available to visitors at this unique geologic resource.

UNM scientists in other Departments or Colleges/Schools often are awarded research grants and contracts that involve the utilization of E&PS analytical facilities, including the TEM, stable isotope, radiogenic isotope, analytical chemistry, and paleomagnetism laboratories in support of the research activities associated with those awards. This represents another important avenue by which E&PS researchers contribute to research and acquire external funding for UNM.

In addition to publications and grant/contract-supported research, the E&PS faculty and research staff also pursued numerous research projects during 2009-10 that were not externally funded or published upon during the year (see Section 3). Several E&PS faculty obtain support from the UNM Research Allocations Committee on a regular basis, and these seed research funds are greatly appreciated and most well-utilized. Eventually many of these creative works do ultimately receive funding following second or even third time proposal submissions, reflecting both improvement in the focus and/or overall quality of the proposal, or the availability or increase in funding in associated areas of NSF and other funding organizations, or both. Finally, it is essential for UNM administrators to recognize that the quality and long-term scientific impacts of research conducted by faculty, staff and students in the Department are not at all necessarily directly correlated to the size of the contracts and grants that support such research. Historically, E&PS faculty have understand the importance of producing IDC funds to the university, the College and the Department, but we also understand the even greater importance in the long term of the importance of the knowledge and understanding of nature and the degree to which we can impart this to our students. We hope that the UNM administration understands this, and hope that UNM does not follow the "lead" of other institutions of higher learning that have opted to place a premium on specific types of research as well as specific funding levels insofar as tenure, promotion and other important measures of achievement are recognized in academia.

Other Scholarly Activities

As reported in previous Annual Reports, most of the faculty and research staff participated widely outside the University in various professional activities at the state, national and international levels during 2009-2010. These activities include service on society committees and science review panels of governmental agencies, as well

as participation in professional organizations, such as presenting talks and posters at national meetings, organizing and chairing symposia, leading field trips, and serving as officers. Such activities represent an important form of service to the profession, but also increase professional recognition, the opportunity for collaborative research, and leads to greater visibility for UNM and the creative work of its faculty. This participation is shown in sections III and IV.

Participation by the faculty and research staff as Editors, Associate Editors, and on Editorial Boards of national and international journals was substantial in 2009-10 as it has been in the past. For example, Dr. Karlstrom completed a four-year term as co-Editor of the Bulletin of the Geological Society of America, an international society of over 22,000 members. In recognition of his significant contributions Dr Karlstrom received the GSA Distinguished Service award for editorships of GSA Today and GSA Bulletin (2009). In addition, Dr. Geissman is currently the Chief Science Editor for EOS, the weekly news journal of the American Geophysical Union, an international society of over 60,000 members. Collectively, faculty in Earth and Planetary Sciences hold position on 17 different Journal Editorial Boards. Also, several faculty members participated in scholarly and professional activities in numerous foreign countries. Such activities help to advance UNM's reputation nationally and internationally.

University and Public Service

Service to the College, University and to the citizens of New Mexico is an important component of the Department's activities. E&PS Faculty members are heavily involved in different areas of service to the College, University and Community. A few selected examples of this service that illustrate the diverse and extensive nature of such service include: (1) Giving invited specialty talks to groups in the community (e.g., Rotary Club, Science Cafes, etc.) (2) Participating in radio programs broadcasting features involving diverse topics in the Earth and Environmental Sciences (e.g., KUNM and the New Mexicans for Science and Reason Talk Radio program), including global warming and the energy crisis; (3) Giving numerous geoscience education talks to students at elementary, middle and high schools in New Mexico as part of our informal outreach endeavors; (4) Acting as judges for school science fairs, and (5) Coaching youngsters in sporting activities to help promote healthy American values.

An important activity provided by the Department to the University and the public is maintenance (without direct University support) of two public museums, one devoted to geology and specifically the geology of New Mexico (minerals, rocks, fossils) (The Caswell Silver Family Museum) and the other to astromaterials (e.g., meteorites) (Institute of Meteoritics Museum). These museums are open each weekday, are free, and are visited by thousands of school children and adults each year. They are advertised in each issue of UNM Today. A free pamphlet provides information for a self-guided tour, and faculty and graduate students on occasion lead tours when arrangements have been made in advance. Thousands of recorded (group) visitors toured the Geology Museum in 2009-10; and many (unrecorded) individuals also visited the museum. These visitors include dozens of elementary, middle, and high school classes from around New Mexico, together with teachers and parents (see Appendix for a complete list). The Geology Museum and collections constantly receive donations of new materials, and donated funds are used to purchase several display-quality specimens each year. The Geology Museum was again represented by Dr. Gary Smith at the Annual Tucson Gem and Mineral Show, the nation's largest, during the academic year 2009-10.

Another important form of service the Department provides to the University is through assistance lent to the Institute for Medieval Studies. Research and other activities conducted by the Institute contribute in many important ways to the dissemination, publicizing and understanding of Earth, environmental and planetary sciences, both within the University community and the public. In 2009-10, the Department was again pleased to help support and sponsor this historically very successful and educational lecture series.

The Department also maintains the Harding Pegmatite mine in southern Taos County, donated to UNM by Dr. Arthur Montgomery, as an unusual mineral-collecting locality and outdoor geological laboratory. Mr. Gilbert Griego, a Department staff member, is the long-time caretaker of the property and continues to provide excellent oversight and maintenance of this remarkable educational resource. Over 1100 people visited the Harding property in 2009-10, and they came from all over the country (see Appendix). Among the visitors were mineralogy and field geology classes from numerous other universities (e.g. University of Colorado, Boulder, Rice University, Louisiana State University, Ohio State University, University of Missouri) in addition to students from UNM. Former UNM Professor Rod Ewing,

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now at the University of Michigan, brings his Mineralogy class to the mine every Fall. The Harding Mine is extremely very well known to geologists and amateur rock hounds and mineral collectors, and in maintaining and operating it, the University and Department perform a very significant service for the public. The Department welcomes visitors and voluntary contributions to help maintain this resource, but permission from the E&PS Department must be obtained before each visit. Working with the State of New Mexico, the Department and UNM are in the process of placing security gates on several of the mine entrances, for the sake of the safety of its visitors. The planning stage for this work is completed and funding is in place to carry out the work during Fall 2010/Spring 2011, under the close supervision of Mr Gilbert Griego.

GENERAL DEPARTMENTAL ACTIVITIES

Facilities

Capital Improvements

Over the past few years, a number of major and minor capital improvements have taken place in Northrop Hall and additional upgrades are still clearly needed. However, due to the present budget situation, during 2009-2010, we were not able to implement any significant upgrades to our facilities. Our main goal has been to prevent any significant deterioration in our existing facilities.

However, as noted earlier a major advance in the facilities that are available to us for our teaching mission will be the opening of the Science and Math Learning Center. This new building, initiated several years ago by former Provost Reed Dasenbrock, will house the Department of Mathematics, and also freshman Chemistry laboratories, some Biology laboratories, and one large lecture hall and several computer-based classrooms. The Department of Earth and Planetary Sciences will have about 5000 square feet of space designated in this new building for the Natural Sciences Program laboratory/classroom, office space for the Natural Sciences Program, a laboratory/classroom for the E&PS Physical Geology lab (105L), and as a partly shared space with Biology, a laboratory/classroom for the Environmental Science Program labs (102L). The availability of this new space will go a long way towards relieving a rapidly increasing "space problem" in Northrop Hall that has been exacerbated over the past few years with growth of E&PS faculty, staff and laboratories. A plan to reutilize the space (rooms 114, 117, and 126) that will be freed up by the relocation of our 100 level teaching labs to the SMLC was developed under previous chair, Professor John Geissman in Spring, 2009. An *ad hoc* Long Range Planning Committee for the Department, chaired by Dr. McFadden, provided a report to the chair, which was then reviewed by the faculty. As of Fall 2010, following faculty approval in Spring 2009, we plan to convert room 114 into a dedicated student computer pod, room 117 into a teaching laboratory dedicated to our Earth History and Paleontology classes, but also that can be utilized by other courses (e.g., New Mexico Field Geology, Structural Geology, etc.), and room 126 into a much-needed graduate student office space area. The Department greatly appreciates the keen interest by the College of Arts and Sciences over the past two years in fostering the development of the Science and Math Learning Center. The considerable efforts of Dean Claiborne to see the SMLC project through to completion during very difficult economic times is greatly appreciated by the department.

In 2010-09, no institutional requests for new equipment and major capital improvements were submitted, as no University-level funds were then available to support them.

Analytical Facilities

The Department and Institute of Meteoritics continue to maintain an array of outstanding and growing analytical facilities necessary to advanced research in many areas of the Earth Sciences. As mentioned above, these facilities are also utilized extensively by other departments, centers, and institutes on campus, as well as institutions outside UNM (e.g., the National Labs). They hence represent a major educational and economic resource for UNM and New Mexico. Sustaining the operation and maintenance of the Department's analytical laboratories (mainly from grants and user fees) is for the most part successfully accomplished, but in some cases rather precariously. The costs of instructing students in the utilization of analytical facilities, service contracts and technician salaries is a persistent and usually growing drain, particularly on PI budgets.

Although our ability to provide matching costs for new equipment proposals has been severely impacted by the reduction in F&A return to departments, centers and institutes on campus, limited funds were used in 2009-2010, to help support successful cost-share proposals to acquire new equipment. As noted earlier, a proposal to the NSF Major Research Infrastructure program for a new X-ray diffraction instrument was successful. Evaluation and selection of this new instrument is in progress and the instrument should be installed in Spring 2011. In the previous year, 2008-2009, cost share was also used to support the successful proposals to the Instrumentation and Facilities Program of the Earth Sciences Division of the NSF by Dr Zach Sharp and Dr Joe Galewsky for a cavity ringdown laser spectrometer and by Dr. Tobias Fischer for a highly sophisticated gas chromatograph coupled with a quadrupole mass spectrometer. Both these instruments have now been installed and are fully functioning in Northrop Hall. The cavity ringdown laser spectrometer instrument simultaneously measures the oxygen and hydrogen isotope composition of water vapor with a precision equivalent to the finest conventional mass spectrometry techniques. The gas chromatograph coupled with a quadrupole mass spectrometer in Dr Fischer's new lab allows the measurement of volatiles (CO_2, N_2, CH_4, H_2S, hydrocarbons and noble gases) at concentrations in the parts per billion level. We will be able to determine volatile concentrations in volcanic emissions, the atmosphere, water samples of natural springs and ground waters as well as magmatic and metamorphic rocks. This laboratory is unique in that all these gases can be measured simultaneously. Applications in the fields of volcanology, environmental and atmospheric chemistry and biogeochemistry will open new opportunities for future research and funding.

In addition, and very importantly, IDC return funds are also used to help support salaries of very key staff members involved in support of the laboratories, Department computer network management and essential front office operations. Without these funds, these supported individuals may not remain with E&PS.

Computing Facilities

During 2009-10, the Department also used a substantial part of its general funding from the state to support faculty, staff and student use of its computers and network. Funds are also used to support renewal of software licenses critical for both research and education (e.g., ARC-GIS) as well as new software applications. This Spring, we used funds from the College equipment allocation to purchase 12 Dell Precision T-1500 Workstations (4GB Windows 7 64bit systems with 24" monitors). These new workstations will replace the aging computers in our computer lab that is used extensively by undergraduate and graduate students and for classroom teaching. These workstations were purchased in anticipation of the transition to the Active Directory system by UNM ITS, using the Windows 7 platform. In addition, we used a modest amount of general funding to completely overhaul our Department website. The new and vastly improved website was completed and went live in October 2009, thanks to the considerable efforts of Mr. Jim Connolly, Computer specialist in the Department, Dr. Tim Wawrzyniec, Lecturer III, Professor Joe Galewsky, Chair, Department Computational Facilities Committee and an outside consultant.

4. Teaching Facilities

The opening of the Science Mathematics Learning Center, as discussed above under Capital Improvements is clearly the most significant improvement in our teaching facilities for several decades. It goes without saying that seeing the SMLC take shape extremely rapidly over the last 18 months and now nearing the final stages of completion has been a remarkable experience for the faculty who will teach in this facility. The entire Department of Earth and Planetary Sciences looks forward to the completion of the project and the teaching opportunities that this will provide. In addition, we are obviously eagerly anticipating the opportunities within Northrop Hall that the availability of three large, currently occupied spaces will provide for our educational and research mission.

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5. Departmental Seminar Series

Professional Lectures given in the Department during the 2009-2010 academic year are listed below:

Date	***Speaker***	***Title of Presentation***
8/29/09	John W. Geissman	Chair, E&PS, UNM, Introduction of New and Returning Graduate Students, Faculty and Staff.
9/4/09		Zonta Fellowship Celebration
9/11/09		No Colloquium (College of Arts and Sciences Faculty Meeting)
9/18/09	Earle Dixon	New Mexico Environment Department, "Uranium Legacy Sites and Environmental Investigations in the Grants Mineral Belt, New Mexico".
9/25/09	Brenda Buck	University of Nevada, Las Vegas, "Salt Heave: A New Formation Process for Patterned Ground and Model for Hyperarid Soil Formation, Atacama Desert, Chile"
10/02/09	Greg Tucker	University of Colorado, "Natural Experiments in Transient Landscape Evolution"
10/09/09	Alan Gillespie,	University of Washington, Caswell Silver Distinguished Speaker, "Central Asia Glaciation".
10/16/09		FALL BREAK, NO COLLOQUIUM
10/23/09	Graham Begg	SEG International Exchange Lecturer, International Exchange Lecturer, "Tectonics, Plumes, Supercontinents and Ore System".
10/27/09	Martin Perlmutter	Chevron Oil, Houston "The Influence of High Frequency Climate Variability on Paleoclimate Interpretation".
10/30/09	Rick Hervig	Arizona State University, "Fluorine in Olivines and Pyroxenes in Meteorites and the Earth".
11/06/09	Sherry Nelson	University of New Mexico, Anthropology, "Miocene: Dawn and Demise of the Apes".
11/13/09	Cathy Snelson	New Mexico Tech, "Imagining the Plumbing System of Erebus Via Controlled-Source Seismology: Initial Results.
11/20/09	Steve Cather	New Mexico Bureau of Geology and Mineral Resources, "Climate Forcing by Iron Fertilization From Repeated Ignimbrite Eruptions: The Icehouse/Slip Hypothesis.
11/27/09		THANKSGIVING HOLIDAY, NO COLLOQUIUM
12/04/09	Eric Leonard	Colorado College, "Glaciation Along The Crest of The Continent: Last Glacial Maximum (LGM) Glaciers and Climate in the Rocky Mountains".

12/11/09	Susan Hubbard	Geological Society of America Birdsall-Dreiss 2010 Distinguished Lecture, Lawrence Berkeley National Laboratory, "Toward X-Ray Vision: Geophysical Signatures of Complex Subsurface Processes".
12/18/09	AGU Week	NO COLLOQUIUM
1/29/10	David Gutzler	University of New Mexico, Earth and Planetary Sciences, "Toward Prediction of North American Droughts".
2/3/10	Bruce Hart	Conoco Phillips, Houston, Texas, American Association of Petroleum Geologist Distinguished Lecture, "Reservoir Scale Seismic Stratigraphy: A Call To Integration".
2/5/10	Kate Giles	New Mexico State University, "Tracking The Migration of Salt Diapirs Using Halokinetic Sequence Stratigraphy".
2/11/10	Rusty Riese	BP American Production Company, Houston, Texas, Special Lecture, "The Hydrocarbon System of the Fruitland Formation Coalbeds, Northern San Juan Basin, USA".
2/12/10	Mark Stone	University of New Mexico, "Civil Engineering, The Influence of Riparian Vegetation on Flood Attenuation and Risk".
2/19/10	Libby Anthony	University of Texas at El Paso, "Making a Difference One Volcano at a Time: Magma Processes and Geothermal Energy in the East Africa Rift System"
2/26/10	Andrew Gettelman	National Center for Atmospheric Research, Boulder, "Simulating Clouds In The Earth's Climate System: How a Climate Model Deals with Clouds and Why They Matter".
3/5/10	Arjun Heimsath	Arizona State University, "The Earth is Eroding: Quantifying Surface Processes and Why We Care"
3/12/10	Veronique LeRoux	Rice University, "Major and Trace Elements Heterogeneities In The Earth's Mantle Perspectives From Mantle Outcrops and Transition Metal Systematic of Basalts".
3/19/10		SPRING BREAK, NO COLLOQUIUM
3/26/10	Beckey Dorsey	MARGINS Guest Speaker, "Crustal Recycling Along An Oblique-Divergent Plate Boundary: From The Colorado Plateau To The Salton Trough and Gulf of California".
4/2/10	Paul Koch	University of California at Santa Cruz, "Conservation Paleobiology: Using The Past To Plan For The Future".
4/9/10	Ken MacLeod	University of Missouri, Ocean Leadership Distinguished Lecture Series, "Inoceramid Bivalves, Benthic Ecology, and Sources of Intermediate Waters in the Late Cretaceous North Atlantic".
4/16/10	Mickey Fulp	Consulting Geologist, Geology Careers In The Exploration and Mining Industry".

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4/23/10	Justin Wilkinson	NASA Johnson Space Center, "Mesoscale Fluvial Systems From Astronaut Imagery An Global View and An Analog For Mars".
4/30/10	Mark Stone	University of New Mexico, Civil Engineering, "The Influence Of Riparian Vegetation of Floods".

Caswell Silver Undergraduate Research Symposium

5/07/10	Undergraduates	Opening Comments – Dr. Laura J. Crossey, University of New Mexico, Earth and Planetary Sciences.
		Presentations of Completed Research Projects **Introductions by Project Advisor**
2:05 p.m.	Holly Buehler	"The Ongoing Avulsion Of The Taquari River: Applications of Satellite Imagery in Geomorphic Analyses" Advisor: Dr. Gary Weissmann.
2:20 p.m.	Maria Lohmann	"Enhanced High Altitude Tree Growth in the Western United States". Advisor: Dr. Louis Scuderi.
2:35 p.m.	April Tafoya	"Searching For Subterranean Arthropods. A Comparison Between the Edwards-Trinity Aquifer of Texas and the Karst Systems of New Mexico". Advisor: Dr. Laura J. Crossey.
2:50 p.m.	Nicolas George	"Paleomagnetic, Geochronologic, and Geochemical Data Suggest Simultaneous Emplacement of the Early Eocene Shonkin Sag and Square Butte Laccoliths, North-Central Montana". Advisor: Dr. John W. Geissman.
3:05 p.m.	Zachary LaPointe	"Uranium-Series and Strontium Isotope Geochemistry of Lava Tube Cave Speleothems from El Malpais National Monument". Advisor: Dr. Yemane Asmerom and Dr. Victor Polyak.
3:20 p.m.	James Sturgis	"Factors Influencing the North American Monsoon". Advisor: Dr. David Gutzler.
3:35 p.m.	Jessica Larsen	"Understanding Eruptive History and Dynamics From Study of Vent-Proximal Rhyolitic Pyroclastic Deposits, Jemez Mountains, New Mexico. Advisor: Dr. Gary A. Smith.
3:50 p.m.	Emanual Storey	"A Heterogeneous Aquifer Flow Model based on High Resolution Photography and LIDAR". Advisor: Dr. Gary Weissmann.
4:05 p.m.	Zachary E. Gallegos	"Using Laser Induced Breakdown Spectroscopy to Assess Geologic Samples Associated with a Complex, Terrestrial Impact Structure as an Analogue for Future Planetary Explorations". Advisor: Dr. Horton Newsom.
		Research Progress Reports **Introductions by Dr. Laura J. Crossey**
4:20 p.m.	Joshua Faulconer	Dr. Grant Meyer, Advisor.
4:25 p.m.	Nicole Thomas	Dr. Tobias Fischer, Advisor

4:30 p.m.	Stephen Brown	Dr. Karl E. Karlstrom, Advisor
		Advanced Environmental Science Class Presentation **Introductions by Dr. Laura J. Crossey**
		Intro to Posters
4:35 p.m.		
	Bobby DeFelice Emanual Storey	"Estimating Evapotranspiration at the Rio Grande Bosque".
	Katya Hafich Evan Locke Susan Kutvirt Alexandra Pickel	"Water Chemistry and Buffering Capacity: A Closer Look at the Interaction Between Sulphur Creek and Redondo Creek".
	Anna Barbie Moreland Lauren Massengil Maria Lohmann	"Water Quality of the Rio Grande: A Spatiotemporal Analysis".
	Kaitlin Hulsbos Michael Lewis Andy Jochems	"Water Quality of the Jemez River: A Salty Tale".
	Joshua Faulconer Holly Buehler Kristen Weil Nathan Curtner	"Dirty Science: Extractable Metals in Jemez River Sediments".
5:00 – 5:30 pm		**Poster Viewing**

ALUMNI INITIATIVES AND SUPPORT

The Department continues to be extremely fortunate to be financially and morally supported by a large group of active and enthusiastic alumni. A key goal of the Department continues to be to enhance our outreach to our alumni, a goal that has become of even more importance during these times of serious budget crises. Alumni support is crucial to the lifeblood of an institution and makes the difference between a fair department and one that can truly compete, at all levels, with overall far better supported institutions across the nation.

The Department continues to increase and improve contacts with alumni through gatherings at professional meetings, publication of a well-circulated Department newsletter ("News from Northrop Hall") and through many personal and professional contacts. The Department continues to work closely with College Development staff, to engage in new activities related to development, and is very pleased to have a full Development staff for the College now in place. Individually and collectively, alumni (and other supporters of the Department) provide generous financial, advisory and moral support for many departmental activities, which contribute significantly to our success in our educational and research missions. In addition, their support provides the funds associated with over 20 scholarships, funds and endowments that enable the Department to provide financial support to over fifty undergraduate and graduates each year. Financial aid provided through these resources ranges from a few hundred dollars to full three-year graduate fellowships. Many tens of thousands of dollars are provided through funds such as the Alumni Fellowship, the Albert and Mary Black Family endowments and the Ernest Rich Fund. The largest amount of funding to the Department comes from the Caswell Silver Foundation for Earth Sciences, and the Kelley, Miossec, Wanek, Rhodes, Vann and Wengerd Scholarships, discussed in more detail below.

The department has benefited in major ways over the past year from the generosity and far-sightedness of several alumni. We are particularly grateful to the Goreham Family for their very considerable support of the

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department. Frank Gorham, now deceased, was a long-time supporter of the Department. One of his sons, Tim Gorham, is also a Department alumnus, and it is in part through his recent efforts that these most recent generous gifts have been provided to the Department. During AY08-09, thanks to the initiative of Tim Gorham, the Department has prepared a proposal, agreed upon by the entire faculty, to establish the Gorham Foundation Endowment to the Department, with a goal of $1M coming from the Gorham Foundation and that amount matched by other alumni and friends of the Department. The formal agreement to establish this Foundation was completed in AY09-10. A major goal of the department is to move forward to raise the matching support for the Goreham Foundation to reach the $1M goal, which will allow us to utilize these funds to the benefit of the department. This initiative will clearly require significant help and close collaboration with the UNM Foundation.

In October, 2009, the Department was also the beneficiary of a significant bequest from the Traugher Family of $115,000 to establish the Fred D. Traugher Endowment, through the UNM Foundation. This new endowment will provide scholarship support to students majoring in the earth sciences at UNM.

The Department was deeply shocked and saddened by the untimely death of one of our undergraduate majors, Ashley Forsythe in a tragic car accident in December 2009. In memory of their daughter and her love of geology, Ashley's parents Rod and Christine Forsythe have established a fund through the UNM Foundation in her name (the Ashley Forsythe Memorial fund) to provide financial support for undergraduate students. This gesture by the Forsythe family is deeply appreciated by the department and is an apt way of remembering the significant academic achievements of their daughter. In honor of Ashley, the University Provost, Dr Suzanne Ortega and Senior Associate Dean Felipe Gonzales awarded her a Batchelor of Science degree which was presented to the Forsythe family in a ceremony in Northrop Hall on February 12th, 2010.

The endowments in the UNM Foundation associated with the Department of Earth and Planetary Sciences continue to account for a substantial percentage of all endowments in the College of Arts and Sciences. The financial aid we are able to provide our students is augmented by other scholarships and other forms of aid acquired from institutions outside the University (e.g., the Geological Society of America, the New Mexico Geological Society, American Association of Petroleum Geologists, New Mexico NASA Space Grants) and funds from the University (e.g., SRAC; tuition waivers). A full summary of scholarships and fellowships received by Earth and Planetary Sciences students is presented in Part IV of this report.

Caswell Silver Foundation

The most important source of alumni support to the Department is the Caswell Silver Foundation. Careful investments have allowed the Caswell Foundation to weather through the major downturn in the economy and stock market during the past year. Funds generated by the investments of the Foundation in 2009-10 provided full-time support, including stipend, tuition, medical insurance, and a research budget, for the Leon Silver/Vincent Kelley graduate student Amber Hawkins. The Foundation also subsidized over 70 percent of the travel expenses of faculty members participating in professional meetings. The department recognizes collectively that the Caswell Silver Graduate Fellowships as well as additional scholarship funds made possible by the Foundation (and funds from other alumni contributions) provide the opportunity to attract some of the most highly qualified, academically capable graduate students, including those from underrepresented backgrounds, to the Department.

The Caswell Silver Foundation also supports the Caswell Silver Distinguished Lecturer series, which allows the Department to bring scientists of the stature of National Academy of Sciences Members for lectures and visits with faculty and students. Visits by Distinguished Lecturers are welcomed by the Department, as they provide opportunities to interact with some of the most distinguished and influential scientists in the country as well as to inform them of our department and the research and other academic activities we are pursuing. In Spring, 2010, the Department invited Dr. Alan Gillespie, from the University of Washington, Seattle, a highly distinguished geoscientist, as its Caswell Silver Distinguished Lecturer. The faculty, staff and students of the Department are very fortunate to have the chance to hear and interact with scientists of his stature, a chance we would not have without the very generous support of the Caswell Silver Foundation.

As in previous years, the Silver Foundation made possible two $900 Meritorious Staff Awards, presented to two outstanding non-academic staff members of the Department. These awards allow the faculty to express in a tangible way their deep appreciation for the efforts of the staff in contributing to the effective operation, advancement and well being of the Department. Recipients of these awards, presented at the Department's May 2010, Commencement Ceremonies, were Mary Bennett (Departmental Accountant, Earth and Planetary Sciences) and Lee Ann Lloyd (Administrative Assistant, Institute of Meteoritics).

Another very important function supported by the Foundation is the Caswell Silver Undergraduate Research Symposium, now held during the last week of classes. The most recent, The Ninth Annual Symposium was again very well attended, attracting the participation of many undergraduate majors conducting research in diverse areas of the Earth, Environmental and Planetary sciences.

In terms of Foundation activities, the Spring meeting of the Foundation Board was held in mid-April, 2010. It comes as no surprise that last year was a difficult one for the Foundation in terms of a substantial loss of net worth and the magnitude of annual return on investments, as was the case all over the world. Mr. Alberto Gutierrez, President of Geolex, and President of the Board, as well as his colleagues on the Board have done a masterful job of avoiding the worst case situations. As a point of information, the annual budget to the Department, as a result of the financial downturn, has gone from over $125K to less than $85K. The next meeting of the Foundation Board is on March 5, 2011.

PLANS AND GOALS

The department experienced a challenging year with the announcement of four faculty retirements. Professor John Geissman announced his intention to step down as Chair on 1 August 2010. He will formally retire from UNM on 31st December 2010, to take up a position at the University of Texas, Dallas. Professor Jane Selverstone also announced her early retirement from her faculty position at the end of AY09-10. She will continue as a Research Professor in the department. In addition, two lecturers, Dr. Tim Wawrzyniec (Lecturer III) and Amy Ellwein (Lecturer III in Natural Sciences) also left the department to take up new positions in Colorado. Dr Wawrzyniec has been appointed as the Moncrief Chair of Petroleum Geology at Western State College of Colorado in Gunnison and Ms. Ellwein has taken up a position as postdoctoral fellow at the Rocky Mountain Biological Laboratory in Crested Butte. She is also a faculty lecturer at Western State College.

The departure of each of these individuals represents a very considerable loss to the department and leaves significant gaps in our ability to teach our regular course load. We are particularly concerned about the loss of Professor Jane Selverstone from our faculty, which has left a major gap in our ability to teach our undergraduate Igneous and Metamorphic Petrology class, EPS 303/304L, a required class for our EPS majors. In view of the loss of these two highly respected senior faculty (John Geissman and Jane Selverstone) as well as our departmental chair, the faculty voted in Spring 2010 to request a search for an external chair, which was approved by Provost Suzanne Ortega with the considerable support of Dean Claiborne. The department recognizes that this is a significant opportunity to maintain our key strengths and provide new leadership in the department in economic challenging times. The search is currently in progress, with the hope of appointing a new chairperson for AY11-12.

With these loses of key department personnel, the faculty are currently in the progress of evaluating the areas of most critical scientific and teaching expertise for future faculty hires. This prioritization is, of course, dependent on the outcome of the search for an external chair. However, at present our main focuses would be faculty in the fields of petrology, hydrology or geophysics. The Department hopes that at some time in the near future that it may have an opportunity to hire another faculty member in at least one of these scientific disciplines. We consider this to be of major importance to maintain our strengths in several key areas of the earth sciences.

With the increase pressures on the state budget caused by the global economic downturn, resources to improve our teaching and research have significantly diminished. A key goal for the department is therefore to develop strategies to cope with these financial stresses and prevent an erosion of the major improvements in the quality of our teaching and research programs that we have made over the last 10 years. In these challenging times, it is clear that the paradigms for funding key aspects of the operation of the department have to be reevaluated. We are currently going

through this difficult process. In addition, we are beginning to look at additional areas where we can potentially generate new revenues to support our academic mission. We have not yet taken full advantage of the possibilities of course offerings under the auspices of UNM Extended University (EU). Dr Aurora Pun is planning on offering our first departmental course for EU in Fall 2011, delayed from Spring 2011, due to other demands for teaching. There are clearly other areas where we can consider developing new classes that could be taught largely on-line.

Our major goal as we move towards the end of 2010 and into 2011 is to make the transition into our new teaching space in the Science and Math Learning Center. The vastly superior environment in the new building should have a major impact on the quality of teaching that we can offer in our EPS 105L, EnvSci 102L and Natural Sciences classes. The Natural Sciences program has always been at the core of the concept from which the SMLC developed. We anticipate that under the guidance of its director, Dr. Matt Nyman it will continue to flourish and provide absolutely essential pedagogical instruction to K-9 teachers in the sciences. The modest investment in the Natural Sciences program may prove, in the long run, to be one of the most significant academic activities through which the Department aids citizens in the State of New Mexico. It goes without saying that the loss of Ms. Amy Ellwein, as Lecturer III, to the program at the end of AY2009-2010 will have significant impact on the Natural Sciences program. However, we are pleased that despite the difficult budget situation for the College of Arts and Sciences, we are able to carry out a search for a Visiting Lecturer to replace Ms. Ellwein. The recruitment of a qualified individual for this position is of major importance for maintaining the momentum of this important program. There is no substitute for science literacy, and a nation with an increasing number of scientifically illiterate citizens is a nation that will inevitably decline. The Natural Sciences program provides a unique opportunity to mitigate this decline by focusing on science education in New Mexico.

With the movement of our 100 level and Natural Sciences classes to the SMLC at the end of 2010, we can turn our attention to renovation and utilization of the space that will be opened up in Northrop Hall. We understand that backfill funds may be available from the college to allow us to create teaching facilities in the department that utilize the space in ways that will enhance both our undergraduate and graduate teaching mission. In particular, our plans to reconfigure room 114 in Northrop Hall as a dedicated student computer pod will be the highest priority.

As noted earlier an important goal for the department, which has not yet received the attention that it deserves due to the budget crisis, is to raise the matching support for the Goreham Foundation. This will require a major initiative on the part of the department and the UNM Foundation. We hope to be able to move forward on this very important objective during Spring 2011.

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III. ACTIVITIES OF THE FACULTY AND RESEARCH SCIENTISTS

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- Activities of Full, Associate and Assistant Professors
- Activities of Research Professors
- Activities of Senior Research Scientists

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1. TEACHING ACCOMPLISHMENTS OF FACULTY AND RESEARCH STAFF

Adrian Brearley, Professor

Courses taught

Spring 2009:	Env. Sci 101 – The Blue Planet (90 enrolled) E&PS 699 – Dissertation (3 enrolled)
Fall 2009:	E&PS301 – Earth Materials (24 enrolled) E&PS302L – Mineralogy Lab (18 enrolled) E&PS 491 – Problems (1 enrolled) E&PS 493 – Independent Study (2 enrolledz0 E&PS 699 – Dissertation (3 enrolled)

Ph.D. Student Advisement

Jana Berlin (graduated Fall, 2009)
Rena Ford
Mark Tyra
Amber Hawkins (CoAdvisor with Jane Selverstone)
Jangmi Han

M.S. Student Advisement

Chelsea Brunner
Jesi Mumphrey (coadvisor with Zach Sharp and Rhian Jones)

Visiting PhD Students Advised

Paola Manzari, University of Bari, Italy (April to July, 2009)

M.S. Thesis Committee Member

Hollis Kovach
Molly Wick
Ara Kooser
Steven Elardo

Ph.D. Thesis Committee Member

Laura Burkemper
Beth Nichols
Matt Dawson (Anthropology)
Eric Petersen (Chemical and Nuclear Engineering)
Andrew DeLaRiva (Chemical and Nuclear Engineering)

Senior Thesis

Alexandra Kirk

Undergraduate Research Advisement

Courtney Martinez
Ian Moore
Jane Gallegos
Steve Candelaria

Laura J. Crossey, Professor

Courses taught

Spring 2009:	Env., Sci. 430 – Advanced Environmental Science (11 enrolled) EPS 493 – Independent Study (1 enrolled) EPS 551 – Problems (12 enrolled) EPS 599 – Masters Thesis (5 enrolled)
Summer 2009:	E&PS 420L – Advanced Field Geology, w/K. Karlstrom (3 enrolled) E&PS 520L –Advanced Field Geology, w/K. Karlstrom (5 enrolled)
Fall 2009:	E&PS 101 – How Earth Works, w/ K. Karlstrom (21 enrolled) (Freshman Learning Community) E&PS 533 – Geomicrobiology (14 enrolled) also with Bio 558 E&PS 491 – Problems (1 enrolled) E&PS 493 – Independent Study (1 enrolled) E&PS 495 – Senior Thesis (2 enrolled) E&PS 551 – Problems (12 enrolled) E&PS 599 - Masters Thesis (4 enrolled) Professional Project - MWR PP (1 enrolled)

Ph.D. Student Advisement

Alexandra Priewisch

PhD Committee Member

Sean Connell
Ann Ollila
Ryan Crow
Miguel Santisteven (Biology)
David Van Horn (Biology)

M.S. Student Advisement

Amy Williams (graduated 2009)
Eileen Embid (graduated 2009)
Elizabeth Premo
Jessica Lopez Pearce
Ara Kooser
Brandi Cron
Lauren Sherson

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MS Committees Member

Catrina Johnson
Sara Mustafa Chudnoff (MWR)
Kristen Mullen
Mousavi Aliyer (Chem)
Jake McDermott
Andy Darling
Owen Shufeldt

Undergraduate Sr. Thesis/Research Supervision

April Tafoya
Glenn Tortalita (w/G. Smith)
Katya Hafich

Undergraduate REU Mentoring Sevilleta LTER

Francisco Reyes (UTEP, summer 2009)
Samantha Adleberg (Brown, summer 2009)

Research Experience for Teachers RET Mentoring Sevilleta LTER

Theresa Apodaca (Sarracino Middle School, Socorro, NM, summer 2009)

Graduate Students supported with my extramural grants

Ara Kooser (MS: 0.25 FTE RA Spring 09 Summer, 09 Fall 09)
Ryan Crow (PhD: 0.5 FTE RA w/KEK; Spring 09, Summer 09, Fall 09)
Jessica Lopez Pearce (MS: GK-12 Grant Fellowship Spring 09, Summer 09)
Bethany Theiling (PhD: GK-12 Grant Fellowship Spring 09, Summer 09)
Owen Shufeldt (MS: GK-12 Grant Fellowship Spring 09, Summer 09, Fall 09)
Yadeeh Sawer (PhD, Biology: GK-12 Grant Fellowship Spring 09, Summer 09, Fall 09)
Stephanie Yurchzek (MS: GK-12 Grant Fellowship Spring 09, Summer 09, Fall 09)
Brandi Cron (MS EPS: AMP BD Grant Fellowship Spring 09, Summer 09, Fall 09)
Kareen Prade (MS EPS: AMP BD Grant Fellowship Spring 09, Summer 09, Fall 09)
Maria Leyva (MS Chem E: AMP BD Grant Fellowship Spring 09, Summer 09, Fall 09)
Angela Montoya (MS ME: AMP BD Grant Fellowship Spring 09, Summer 09, Fall 09)
Anthony Torres (MS ME: AMP BD Grant Fellowship Spring 09, Summer 09, Fall 09)
Manual Rivera (MS EE: AMP BD Grant Fellowship Spring 09, Summer 09, Fall 09)
Bayo Falase (PhD NSMS: AMP BD Grant Fellowship Spring 09, Summer 09, Fall 09)
Elaine Manzanilla (PhD Biology: AMP BD Grant Fellowship Summer 09, Fall 09)
Dan Colman (MS Biology: AMP BD Grant Fellowship Summer 09, Fall 09)
Juanita Trevino (PhD NSMS: AMP BD Grant Fellowship Summer 09, Fall 09)
Anjelica Sanchez (PhD NSMS: AMP BD Grant Fellowship Summer 09, Fall 09)
Adam Tsosie (MS NSMS: AMP BD Grant Fellowship Fall 09)

Undergraduate (10-15 hrs per week/research support, transfer scholarships)

A. Tafoya, G. Tortalita, K. Hafich, M. Kolomaznik.
Also 17 minority undergraduates from A&S and Engineering (STEM) with Alliance for Minority Participation funding.

Maya Elrick, Associate Professor

Courses taught

Spring 2009: E&PS 201 –Earth History (40 enrolled)
E&PS 225 – Oceanography (30 enrolled)

Fall 2009: E&PS 304 – Sedimentology-Stratigraphy (27 enrolled)

Ph.D. Student Advisement

Bethany Theiling

M.S. Student Advisement

Stephanie Yurchyk-MS
Zachary Wallace-MS (funded with RA)

Thesis committees

John Rissetto, PhD (Anthropology)

Senior thesis advisor

Levi Lemintino

Amy Ellwein, Lecturer III, Natural Science Program

- Taught 4 sections of Environmental Science (NTSC 263L); about 80 students for the academic year.
- Rated within the top 10% of instructors and courses at the University of New Mexico on IDEA forms
- One student enrolled for problems credits (EPS 491), Spring 2010.
- This one-credit problems course for an elementary education major in the Dual Licensure Program, College of Education consists of two parts. Research project 1: participate in Project BudBurst (http://www.windows.ucar.edu/citizen_science/budburst/), which recruits citizen scientists to assist a national phenology network. When this student becomes a teacher, she can use this science project in her own classrooms. Research project 2: the preservice teacher researches the use of science notebooks in elementary classrooms, uses science notebooks with students she is student teaching, and writes a report that describes the utility of science notebooks for elementary students. The objective is to give the student a tool she can use to do authentic inquiry with her future elementary students.
- Taught 400-level NTSC field course (Watersheds and Rivers) for elementary and middle school teachers, June 2009. See publications link below for more information.

Peter J. Fawcett, Associate Professor

Courses taught

Spring 2009: Env. Sci. 101– The Blue Planet (155 enrolled)
E&PS 439 – Paleoclimatology (40 enrolled)
E&PS 599 – Thesis Research (1 enrolled)

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Fall 2009: E&PS 547 Seminar – Advanced Quaternary Paleoclimatology (9 enrolled)
Env. Sci. 101 / FLC 605 – The Blue Planet (23 enrolled)
E&PS 599 – Thesis Research (1 enrolled)

Ph.D. Student Advisement

Justin Dodd (co-advisor with Zach Sharp)

M.S. Student Advisement

Christy Laudadio (co-advisor with Louis Scuderi)
Catrina Johnson

Graduate Thesis Committees:

Ph.D.: Linda Donohoo-Hurley, John Hurley, Mel Strong, Bethany Theiling, Andrew Hope (Biology)
M.S.: Zach Wallace, Andy Yuhas

External Examiner:

Ryan Crow (PhD)

Tobias Fischer, Associate Professor

Courses taught

Spring: E&PS 101- Introduction to Geology
E&PS 252 - Volcanoes

Spring 2009: E&PS 101 – How the Earth Works
E&PS 252 – Volcanoes!
E&PS 500 – level Calderas Seminar (Web broadcast with McGill, NMT)

Post-Doc supervised:

Dr. Jaime Barnes supervised with Sharp funded by L'Oreal and NSF through June 09

Ph.D. Student Advisement

J. Maarten de Moor

M.S. Student Advisement

Kareen Prade, MS funded by BRIDGE Fellowship, 2 years (funding ends Dec. 2010)
Jody Weikart, MS 1 year RA 1 year TA (left program May 2009)
Danielle Lord, MS 1year.RA, 1 year TA (funding ends May 2010)

Graduate Committees:

Kareen Prade, MS

Jody Weikart, MS
Danielle Lord, MS
J. Maarten de Moor, PhD
Euan Mitchell, PhD
Ashley Edelman, MS
Zabe Premo, MS

Exam Committees:

Euan Mitchell, PhD
Ashley Edelman, MS
Zabe Premo, MS

Joseph Galewsky, Assistant Professor

Courses taught

Spring 2009:	EPS 476/576 – Physical Hydrology (14 enrolled)
Fall 2009:	EnvSci 101 – The Blue Planet (205 enrolled)

Ph.D. Student Advisement

John Hurley
Leah Johnson (co-advised with Z. Sharp)

Ph.D. Committees

Brian Yanites (PhD student at U. Colorado)
Mel Strong
James Hulka
Adam Ringler

John W. Geissman, Chair and Professor

Courses taught

Spring:	E&PS 490 – Presentations (18 enrolled) E&PS 310L – New Mexico Field Geology, (23 enrolled) E&PS 401/501 – Coordinator, Department Seminar
Summer:	E&PS 319L – Introductory Field Geology (28 enrolled), (w/G. Meyer)
Fall:	E&PS 490 – Presentations (16 enrolled) E&PS 401/501 – Coordinator, Department Seminar

Ph.D. Student Advisement

Linda Donohoo-Hurley
Jenn Boyd, Anthropology (co-advised)

Sean Connell, (co-advised)

M.S. Student Advisement

Travis Naibert, MS
Jack Grow, MS
Stephanie Mason, MS

Exam committees

Danielle Lord, MS examination

Course Development

Continued to modify/improve undergraduate field geology course (E&PS319L), with Professor Meyer.

Undergraduate Research Advising

Nicolas George
Nicole Wilson

David Gutzler, Professor

Courses taught

Spring:	E&PS 433 – Data Analysis & Statistics (15 enrolled) E&PS/Geog 352 – Global Climate Change (28 enrolled) E&PS 495 – Senior Thesis (2 enrolled) E&PS 699 – Dissertation (1 enrolled)
Fall:	E&PS 436/536 –Climate Dynamics (24 enrolled) E&PS 599 – Masters Thesis (1 enrolled) E&PS 699 – Dissertation (1 enrolled)

Ph.D. Student Advisement

M. Strong

M.S. Student Advisement

S. Keller

Other graduate thesis committees

Laudadio, M.S.
R. Levine, M.S.
D. Lord, M.S.
J. Popp, M.A. (Education)
L. Martinez, M.W.R.
J. Dodd, Ph.D.
J. Hurley, Ph.D.
T. Kennedy, Ph.D. (Biology)

Supervision of undergraduate research

T. Robbins (Env. Sci., senior thesis, Spring/Summer 09)
L. Van Alst (E&PS senior thesis, Spring 09)
J. Sturgis (Env. Sci., Leonard Fellow, Fall 09)

Rhian H. Jones, Associate Professor

Courses taught

Spring 2009:	E&PS 101 – How the Earth Works: An Introduction to Geology (125 enrolled)
Fall 2009:	E&PS 519 – Igneous Systems (11 enrolled)

Ph.D. student advisement

Jana Berlin (co-advisor). Defended April 2009

M.S. student advisement

Molly Wick
Jessica Mumphrey (co-advisor)

Undergraduate students

Jacqueline Byrnes (research assistant)
Steven Candelaria (research assistant)
Linda Dreeland (senior thesis)

Committee member for

Rena Ford (Ph.D.)	Chelsea Brunner (M.S.)
Jang Mi Han (Ph.D.)	Megan Duncan (M.S.)
Karen Hutchins (Ph.D.)	Eric Tegtmeier (M.S.)
Mark Tyra (Ph.D.)	

Exam committees

Leah Johnson, Ph.D.
Rebekah Levine, M.S.

Karl E. Karlstrom, Professor

Courses taught:

Spring 2009:	E&PS 307L – Structural Geology (16 enrolled)
	E&PS 599 – Masters Thesis (2 enrolled)
Summer 2009:	E&PS 420L/520L – Advanced Field Geology (8 enrolled) w/L.Crossey

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Fall 2009: E&PS 310 – New Mexico Field Geology (24 enrolled)
E&PS 101/105 – Introduction to Geology (21 enrolled) taught as a Freshman Learning Communities Program, w/L. Crossey
E&PS 699 – Dissertation (2 enrolled)
E&PS 493 – Independent Study (2 enrolled)
E&PS 491 – Problems (2 enrolled)

Ph.D. student advisement

Tony Salem
Ryan Crow

M.S. student advisement

Darling, Andy (MS)
Shufeldt, Owen (MS)
McDermott, Jake (MS)

Committee member for:

Eileen Embid (M.S.)
Rob Sanders (New Mexico Tech)
Jessica Lopez-Pierce
Amy Williams (M.S.)
Brandi Cron (M.S.)
Mike Doe (Colorado School of Mines)

Undergraduate thesis advisor:

Dylan Rose-Coss
Thomas Sower
Brandon Dixon
Steve Brown

Barry S. Kues, Professor

Courses taught

Spring 2009: E&PS-101 (33 enrolled)
E&PS-411 (10 enrolled)
E&PS-491 (1 enrolled)

Fall 2009: E&PS-101 (142 enrolled)
E&PS-250 (23 enrolled)

M.S. exam committees: Owen Shufeldt

Grant A. Meyer, Professor

Courses taught

Spring:	ENVS 101 – The Blue Planet
Summer:	E&PS 319 – Introductory Field Geology (J.W. Geissman)
Fall:	E&PS 481/581L – Geomorphology and Surficial Geology and Lab E&PS 516 – Topics/Fluvial Geomorphology

Coordinator for ENVS 102L The Blue Planet Labs, Fall and Spring 2009 semesters (10 sections)

Ph.D. Student Advisement

Lyman Persico
Ben Swanson

M.S. Student Advisement

Rebekah Levine (MS)

Committee membership

Debra Bryan, Sean Connell, Amy Ellwein, Nina Lanza (PhD)
Leah Roberts, Devin Gaugler, Nick Engdahl, Ashley Edelman, Michelle Olson (MS)
Scott Worman, Anthropology (PhD)

Leslie D. McFadden, Professor

Courses Taught

Fall 2009:	E&PS 485L-585L
Spring 2009:	None (Course release associated with NSF-NM PAID Program position)

Guest Lecturer

Community and Regional Planning 470/570 - Semiarid lands Development, Planning and Restoration Community and Regional Planning (Department of Architecture and Planning) - Relevance of Soil geomorphic and ecologic studies in NE Arizona to research in landscape ecology and Holocene climate change.

Ph.D. Student Advisement

McLain, Angela (Ph.D.)
Ellwein, A. (Ph.D; co-advised with L. Scuderi)
Debra Bryan (Ph.D.)
Breecker, Dan (Ph.D., co-advised with Z. Sharp; graduated 5/ 2009)

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M.S. Student Advisement

Devin Gaugler (M.S.)
Leah Roberts (M.S., graduated 12/2009)

Ph.D. Committees

Powers, Bob (Dept of Anthropology)
Swanson, Ben
Persico, Lyman

Matthew Nyman, Assistant Professor/Lecturer

Courses taught

Summer 2009:	NTSC 400 – Earth Systems Science for Educators (taught 1 section)
Spring 2009:	E&PS 491 – Two students enrolled for problems credits Research project focused on integration of science with other disciplines in a middle school science classroom.

Taught 4 sections of NTSC 261L – Physical Science; about 80 students for the academic year.
Organized and taught 1-week long and 5 1-day geology workshops for 19 Bernalillo teachers

Aurora Pun, Lecturer III

Courses taught

Spring:	E&PS 101 – How Earth Works (94 enrolled) E&PS 105L – Physical Geology Lab (124 enrolled)
Summer:	E&PS 101 – How Earth Works (36 enrolled)
Fall:	E&PS 101 – How Earth Works (132 enrolled) E&PS 101 – How Earth Works (32 enrolled) E&PS 105L – Physical Geology Lab (175 enrolled)

Mousumi Roy, Associate Professor

Courses taught

Fall:	EnvSci 101 – Blue Planet (99 enrolled)
Spring:	E&PS 527 – Introduction to Geophysics (5 enrolled) E&PS 427 – Introduction to Geophysics (10 enrolled) PHAST 327 – Intro to Geophysics (5 enrolled) E&PS 533 – Statistics and Data Analysis in Earth Science (20 enrolled) E&PS 551 – Problems in Geophysics (1 enrolled)

Mentoring of research

Post-docs supervised

Joya Tetreault

Ph.D Student Advisement

Adam Ringler

Undergraduate Research Advisement

Nicolas George (UNM undergraduate; provided support)
Sharon Schmidt (UNM undergraduate – Senior Thesis to be completed in 2010)

Other research group members supervised

Mark Fleharty (provided partial support for scientific programming)

Thesis/Exam Committees

PhD Defense: D. Hague, S. Meidt (both at UNM Physics and Astronomy)
PhD Exam committees: L. Hurley, A. Ringler
MS Defense: M. Halick, K. Prade

M.S. Exam committees

K. Prade
S. Mason
P. Bhattacharya

Louis A. Scuderi, Associate Professor

Courses taught:

Spring 2009:	E&PS 300 – Geographic Information Systems (24 enrolled)
Fall 2009:	E&PS 300 – Geographic Information Systems (23 enrolled)

Ph.D. Student Advisement

Amy Ellwein, Co-Chair of Committee, in progress. Completion expected in 2010.
Andy Yuhas, Chair of Committee. Temporarily withdrew from program and will restart Ph.D. in 2011.

M.S. Student Advisement

Christine Laudadio (graduated 2010. Co-Chair of Committee
Andrew Yuhas, M.S., 2009. Chair of Committee
Michelle Olsen, M.S. in progress. Chair of Committee
Danielle Lord, M.S., in progress, Co-Chair of Committee

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Thesis Committees

Elizabeth Nichols (Ph.D.),
Ann Ollila (Ph.D.)
Anthony Salem (Ph.D.)
Audrey Al-Ali (Ph.D.) Anthropology.
Roberto A. Herrera (Ph.D.) Anthropology
Luke Kellett (Ph.D.) Anthropology
Devin Gaugler, M.S., Committee Member
Carolyn Domrose, M.S. Committee Member

Jane Selverstone, Professor

Courses taught:

Spring:	E&PS 303L – Igneous and Metamorphic Petrology (25 enrolled) E&PS 493 – Independent study (1 enrolled) E&PS 495 – Senior thesis (1 enrolled) E&PS 551 – Problems (fluid inclusion theory and analysis; 2 enrolled) E&PS 599 – Masters thesis (1 enrolled)
Fall:	On sabbatical E&PS 599 – Masters thesis (1 enrolled) E&PS 699 – Dissertation (2 enrolled)

Undergraduate students supervised

William Woodruff
Amanda Rice

Ph.D Student Advisement

Amber Hawkins-Whittaker, PhD (joint with A.J. Brearley)
Karen Michelsen, PhD

M.S. Student Advisement

Melissa Halick, MS

Thesis and dissertation committees (in addition to students listed above)

Jana Berlin, PhD
Rena Ford, PhD
Jack Grow, MS
Euan Mitchell, MS, PhD
Stephanie Moore, PhD (University of Texas at Austin)
Travis Naibert, MS
Molly Wick, MS
Amy Luther, PhD (New Mexico Tech)
Stacey Chambliss, PhD Anthropology
Connie Constan, PhD Anthropology

Exam committees (in addition to students listed above)

Zachary Wallace, MS

Zachary Sharp, Professor

Courses taught

Spring 2009:	E&PS 407 – (1 enrolled) E&PS 505 – (8 enrolled) Problems – (2 enrolled)
Fall 2009:	Env. Sci. 101-001 – (264 enrolled) Env. Sci. 101-002 – (215 enrolled) Problems – (2 enrolled)

Postdoctoral Fellow supervised

Jaime Barnes, 2007-2009

Ph.D Student Advisement

Mel Strong (Ph.D.) w/ Dave Gutzler, 2003- present
Justin Dodd (PhD) w/ Peter Fawcett, 2006 - present
Leah Johnson (PhD) w/ Joe Galewsky, 2007 - present
Maarten de Moore (PhD) w/ Tobias Fischer and Penny King, 2008 – present
Amber Hawkins (Ph.D.) w/ Jane Selverstone and Adrian Brearley, 2009 - present

M.S. Student Advisement

Melissa Halick (M.S.) w/ Jane Selverstone, 2007-2010
Jessica Mumphry (M.S.) w/ Rhian Jones and Adrian Brearley, 2009 - present

Exam Committee member

Kareen Prade (MS)
Rena Ford, (Ph.D.)
John Hurley, (Ph.D.)
Han, Jang Mi (Ph.D.)
Debra Bryan (Ph.D)
Brunner, Chelsea (M.S.)
Tyra, Mark (Ph.D.)

Gary A. Smith, Professor

Courses taught

Spring:	E&PS 333 – Environmental Geology (39 enrolled) E&PS 493 – Independent Study (2 enrolled) E&PS 699 – Dissertation (1 enrolled) E&PS 599 – Master's thesis (1 enrolled)
Fall:	E&PS 201L – Earth History (38 enrolled) E&PS 493 – Independent Study (1 enrolled) E&PS 699 – Dissertation (1 enrolled) E&PS 599 – Master's thesis (1 enrolled)

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Student Advisement

Ph.D. Student Advisement

Sean Connell

Ph.D. Dissertation and/or Comprehensive Examination Committee

Maarten de Moor
Julie Sanchez (Educational Psychology)
Jennifer Boyd Esche (Anthropology)

M.S. Student Advisement

Ashley Edelman

Undergraduate Honors Students Advised
Jessica Larsen
Glenn Tortalita (co-advised with L. Crossey)

Gary Weissmann, Associate Professor

Courses taught:

Spring 2009:	E&PS 443/543 – Aquifers and Reservoirs (19 enrolled in 443, 10 enrolled in 543)
Fall 2009:	Env. Sci. 330 – (32 enrolled)

Ph.D. Student Advisement

Beth Nichols
Proma Bhattacharyya

M.S. Student Advisement

Nick Engdahl
Michelle Olson

Graduate Student Committees

Stephanie Yurchyk (MS), Bethany Theiling (PhD, 2nd proposal advisor), Bekah Levine (MS), Marti Frisbee (PhD-NMT), Casey Meirovitz (MS – UC Davis)

Graduate Student Exam Committees:

Undergraduate Students Advised
Holly Buehler, Emanual Storey, Reyna Banteah, Lauren Massengill.

2. PUBLICATIONS DURING THE CALENDAR YEAR 2009-2010

(E&PS tenure-track Faculty are underlined; ** = research scientists; * = students)

Refereed Journal Papers and Chapters in Edited Volumes

Structural characterization of terrestrial microbial Mn oxides from Pina Creek, A.
Bargar, J.R., Fuller, C.C. Marcus, M.A., Brearley, A.J., Perez De la Rosa, M., Webb, S.M. and Caldwell, W.A.
Geochimica et Cosmochimica Acta 73, 889-910 (2009)

Effect of saline groundwater upwelling on iron and manganese cycling in the Rio Grande floodplain aquifer
*Kirk, M.F., Crossey, L.J., Takacs-Vesbach, C., Newell, D.L., Bowman, R.S.
Applied Geochemistry, v. 24, 426-437 (2009)

Degassing of mantle-derived CO_2 and ^3He from springs in the southern Colorado Plateau region-flux rates, neotectonic connections and implications for groundwater systems
Crossey, L.J., Karlstrom, K.E., Springer, A., *Newell, D., Hilton, D., and Fischer, T.
Geological Society of America Bulletin, v. 121, 1034-1053. DOI 10.1130/B26394 (2009)

CREST Experiment Probes the Roots and Geologic History of the Colorado Rockies
Aster, R., MacCarthy, J., Heizler, M., Kelley, S., Karlstrom, K.E., Crossey, L.J., Dueker, K., and the CREST Team
The Outcrop, v. 38, p. 6-11 (2009)

Studies of informal geologic time learning at the 'Trail of Time' in Grand Canyon National Park
Semken, S., Dodick, J., Frus, R., Wells, M., Perry, D., Bryan, J., Williams, M., *Crow, R., Crossey, L.J., and Karlstrom, K.
The Informal Learning Review, 99, p. 1-5 (2009)

C-isotope stratigraphy and paleoenvironmental changes across OAE2 (mid-Cretaceous) from shallow-water platform carbonates of southern Mexico
Elrick, M., Molina-Garza, R., Duncan, R., and Snow, L.
Earth and Planetary Science Letters, v. 277, 295-306 (2009)

The Activity Model for Inquiry: Reflective Writing Prompts, invited and peer-reviewed web contribution
*Ellwein, A.L., and Swanson, B.
http://serc.carleton.edu/sp/process_of_science/examples/ref_writ_prompt.html, (2009)

Watersheds and Rivers, peer-reviewed web contribution
*Ellwein, A.L., and Swanson, B.
http://serc.carleton.edu/sp/process_of_science/courses/watershed_river.html

Remote Sensing of Playa lakes in western North America: Monitoring lake change resulting from climate variability in semi-arid regions
Scuderi, L.A., Laudadio, C.K.*, and Fawcett, P.J.
Quaternary Research, v. 73, p. 48-58. doi:10.1016/j.yqres.2009.04.004 published online (2009)

Nitrogen sources and recycling at subduction zones: Insights from the Izu-Bonin-Mariana arc.
Mitchell, E.C.*, Fischer, T.P., Hilton, D.R., Hauri, E., Shaw, A.M., de Moor J.M*., Sharp, Z.D., and Kazahaya, K.
Geochemistry, Geophysics, Geosystems 11, Q02X11, doi:10.1029/2009GC0027832 (2010)

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An experimental determination of chlorine isotope fractionation in acid systems and applications to volcanic fumaroles
Sharp, Z.D., Barnes, J.D., Fischer, T.P., and *Halick, M.
Geochim. Cosmochim. Acta, v. 74, p. 264-273 (2010)

Variations in chlorine stable isotopes along the Central American volcanic front and backarc.
Barnes, J.D, Sharp, Z.D., Fischer, T.P., Hilton, D.R., and Carr, M.J.
G-cubed 10, 11, doi:10.1029/2009GC002587 (2009)

Assessing the effects of degassing and crustal contamination on the helium and carbon geochemistry of hydrothermal fluids: insights from the Southern Volcanic Zone of Chile
Ray, M.C., Hilton, D.R., Munoz, J., Fischer, T.P., and Shaw, A.M.
Chem. Geol. 266, 38-49 (2009)

Upper-mantle volatile chemistry at Oldoinyo Lengai volcano and the origin of carbonatites
Fischer, T.P., Burnard, P., Marty, B., Hilton, D.R., Furi, E., Palhol, F., Sharp, Z.D., and Mangasini, F.
Nature, 459, 77-80 doi:10.1038/nature07977 (2009)

A last-saturation diagnosis of subtropical water vapor response to global warming
*Hurley, J., and J. Galewsky
Geophysical Research Letters, v. 37, doi: 10.1029/2009GL042316 (2010)

A last-saturation analysis of ENSO humidity variability in the subtropical Pacific
*Hurley, J., and J. Galewsky
J. Climate, v. 23, p. 918-931 (2010)

Orographic precipitation isotope ratios in stratified atmospheric flows: Implications for paleoelevation studies,
Galewsky, J.
Geology, v. 37, pp. 791-794, doi: 10.1130/G30008A.1 (2009)

Demonstration of high precision continuous measurements of water isotopologues in laboratory and remote field deployments using WS-CRDS technology
Gupta, P., D. Noone, J. Galewsky, C. Sweeney, and B.H. Vaughn
Rapid Communications in Mass Spectrometry, 23 (16),Ê pp. 2534ÊÐÊ2542. doi:10.1002/rcm.4100 (2009)

Rain shadow development during the growth of mountain ranges: An atmospheric dynamics perspective,
Galewsky, J.
J. Geophys. Res., 114, F01018, doi:10.1029/2008JF001085 (2009)

An integrated magnetic and geological study of cataclasite dominated pseudotachylites in the Chiapas Massif, Mexico: A snap-shot of stress orientation following slip
Molina-Garza, R.S., Geissman, J.W., Wawrzyniec, T.F., Weber, B., Lopez Martinez, M., and Aranda-Gomez, J.,
Geophysical Journal International, v. doi: 10.1111/j.1365-246X.2009.04046.x (2009)

Geochemical identification of impactor for Lonar crater, India
Misra, S., Newsom, H.E., Prasad, M.S., Geissman, J.W., Dube, A., and Sengupta, D.
Meteoritics and Planetary Sciences, v. 44, no. 7, p. 1001-1018 (2009)

GSA Geologic Time Scale: Commentary
Walker, J.D., and Geissman, J.W.
GSA Today, v. 19, no. 4, p. 60-61 (2009)

Paleomagnetism of Tertiary intrusive and volcaniclastic rocks of the Cerillos Hills and Surrounding region, Espanola basin, New Mexico, U.S.A.: Implications for vertical axis rotations associate with extension of the Rio Grande rift
Harlan, S.S., and Geissman, J. W.
Lithosphere, v. 1, p. doi:10.1130/L53.1 (2009)

Predicting future threats to the long-term survival of Gila Trout using a high-resolution simulation of climate change
T. Kennedy*, D.S. Gutzler and R.L. Leung
Climatic Change, v. 94, p. 503-515.

A US CLIVAR project to assess and compare the responses of global climate models to drought-related SST forcing patterns: Overview and results
S. Schubert, D. Gutzler, H. Wang, A, Dai, T. Delworth, C. Deser, K. Findell, R. Fu, W. Higgins, M. Hoerling, B. Kirtman, R. Koster, A. Kumar, D. Legler, D. Lettenmaier, B. Lyon, V. Magana, K. Mo, S. Nigam, P. Pegion, A. Phillips, R. Pulwarty, D. Rind, A. Ruiz-Barradas, J. Schemm, R. Seager, R. Stewart, M. Suarez, J. Syktus, M. Ting, C. Wang, S. Weaver and N. Zeng
J. Climate, v. 22, p. 5251-5272.

Simulations of the 2004 North American Monsoon: NAMAP2
D.S. Gutzler, L.N., Long, J., Schemm, S.B., Roy, M., Bosilovich, J.C., Collier, M., Kanamitsu, P., Kelly, D., Lawrence, M.I., Lee, R., Lobato S., B., Mapes, K., Mo, A., Nunes, E.A., Ritchie, J., Roads, S., Schubert, H., Wei and G.J. Zhang
J. Climate, v. 22, p. 6716-6740

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Karlstrom, K.E., Love, A., Crossey, L.J., Priestley, S., Asmerom, Y., and *Embid, E.
Geological Society of America Abstracts with Programs, v. 41, no.7, p. 447 (2009)

Transcontinental Geologic Cross Section of the North American Plate Near 36° Latitude, Part I: Western U.S., From The Pacific Oceanic Crust to the Mid-Continent
Muelberger, W.R., Karlstrom, K.E., Saleeby, J., Saleeby, Z., Denison, R.E., Martinez, C., and Hatcher, R.D., Jr.,
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 131 (2009)

Transcontinental Geologic Cross Section of the North American Plate Near 36° Latitude, Part Iii: Atlantic Ocean Crust to the Mid-Continent
Hatcher, R.D., Jr., Muehlberger, W.R., Denison, R., Keller, G.R., Martinez, C.M., Karlstrom, K.E., Saleeby, J., and Saleeby, Z.,
Geological Society of America Abstracts with Programs, v. 41, no.7, p. 132 (2009)

A Salinization Study within the San Acacia Region, Svilleta National Wildlife Refuge, New Mexico
*Reyes, F., Crossey, L.J., and Karlstrom, K.E.,
Geological Society of America Abstracts with Programs (2009)

U-Series Dating, Geochemistry, and Geomorphic Studies of Travertines and Springs of the Springerville Area, East-Central Arizona, and Tectonic Implications
*Embid, E., Crossey, L.J., Karlstrom, K.E., Polyak, V.J., and Asmerom, Y.,
Geological Society of America Abstracts with Programs (2009)

The Origin of Dunite and Harzburgite Enclaves in Layered Cumulates of the Nintyone Mile Creek Canyon Peridotite, Grand Canyon, U.S.A
Low, P.C., Seaman, S.J., Williams, M.L., and Karlstrom, K.E.,
Geological Society of America Abstracts with Programs (2009)

Dynamic Uplift of the Colorado Plateau- Rocky Mountain Region Driven By Asthenosphere-Lithosphere Interactions
Karlstrom, K.E., Van Wijk, J., Coblentz, D., and Crest, Working Group
Geological Society of America Abstracts with Programs (2009)

Geo and Thermochronological Evidence for the Emplacement And Exhumational History of the Twin Lakes Batholith: Implications for the Laramide Orogeny
Feldman, J., Heizler, M., Kelley, S., and Karlstrom, K.E.,
Geological Society of America Abstracts with Programs (2009)

Surprising Predominance of 1.84 Ga and 2.5 Ga Detrital Zircons in the 1.75 Ga Vishnu Schist, Upper Granite Gorge, Grand Canyon, Arizona
*Shoufeldt, O.P., Karlstrom, K.E., and Gehrels, G.E.,
Geological Society of America Abstracts with Programs (2009)

U-Pb Detrital Zircon Geochronology of Paleoproterozoic Orthoquartzites in the Southwestern United States: An Essential Tool for Regional Correlation, Tectonic Studies and More
Jones, J.V. I, Karlstrom, K.E., and Williams, M.L.,
Geological Society of America Abstracts with Programs (2010)

Toward A New Paradigm for the Great Artesian Basin: Hydrologic Mixing, Partitioned Sub-Basins, and Mantle Influences on Groundwater Quality
Love, A., Crossey, L.J., Karlstrom, K.E., Hilton, D.R., Wolaver, B.D., and Rousseau-Gueutin, P.,
Geological Society of America Abstracts with Programs (2009)

Travertine- Depositing Mound Springs of South Australia: Key for Characterizing Groundwater Mixing and Paleohydrology in the Great Artesian Basin
Crossey, L.J., Love, A., Karlstrom, K.E., Hilton, D.R., and Keppel, M.,
Geological Society of America Abstracts with Programs, v. 41, no.7, p. 28 (2009)

An Integrated Geochemical and Structural Study of the Sevilleta National Wildlife Refuge: Geochemistry and Salinity Sources of Waters Spanning the Rio Grande Rift, New Mexico
*Williams, A., Crossey, L.J., and Karlstrom, K.E.,
Geological Society of America Abstracts with Programs (2009)

Incision History of the Colorado River System over the last several Ma from Cosmogenic burial dating of high terrace gravels
*Darling, A.L., Karlstrom, K.E., Kirby, E., Ouimet, W.B., Aslan, A., and Granger, D.E.,
AGU Fall Meeting, T43d-2154 (2009)

Joint Inversion of Teleseismic Body Wave Residuals and Joint Inversion of Teleseismic Body Wave Residuals and Bouguer Gravity Data to Constrain the Origin of the Colorado Rockies
Maccarthy, J.K., Aster, R.C., Hansen, S.M., Stachnik, J.C., Dueker, K.G., and Karlstrom, K.E.,
AGU Fall Meeting, S13b-1745 (2009)

Tectonic, Lithologic and Climatic Controls on Stream Gradients Across the Colorado Plateau and Rocky Mountains
Ouimet, W.B., Kirby, E., and Karlstrom, K.E.,
AGU Fall Meeting, Ep41b-0607 (2009)

Biogeomorphology and soil geomorphology of small, semi-arid basins, northeastern Arizona: Influences of topoclimate and climate variation
*Roberts, L., McFadden, L.D., McAuliffe, J., Meyer, G., Scuderi, L.,
Geological Society of America Abstracts with Programs, v. 41 (7) p. 35 (2009)

Black Mesa revisited: New OSL ageas provide evidence of MIS3 and MIS2 eolian activity on Black Mesa, northeastern Arizona
*Ellwein, A., Mahan, S., and McFadden, L.D.,
Geological Society of America Abstracts with Programs, v. 41 (7) p. 258 (2010)

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Geoscience field courses for in-service teachers: reflecting on place and process
*Ellwein, A.L., and Nyman, M.W.,
Geological Society of America Abstracts with Programs, v. 41, n. 7, p. 488 (2009)

Promoting earth system science literacy through pre- and in-service teacher education at the University of New Mexico
Nyman, M.W., and *Ellwein, A.L.,
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 713 (2009)

Preliminary evidence for a debris flow gully slope-area relationship on Mars and implications for a source liquid
*Lanza, N.L., G.A. Meyer, C., Okubo, H.E., Newsom, and R.C., Wiens
40th Lunar and Planetary Science Conference, Abstract 2225 (2009)

Controls on the geomorphic signature of Holocene climate on rivers in northern Yellowstone National Park
Meyer, G.A., and Persico, *L.P.
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 40 (2009)

Climate change and local geomorphic controls on fluvial processes on small streams in northern Yellowstone
*Persico, L.P., and Meyer, G.A.,
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 40 (2009)

How does Holocene climate change drive wildfires, sediment delivery from hillslopes, and main channel response?
Pierce, J.L., Meyer, G.A., Nelson, N.A., Svenson, L., and Riley, K.,
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 40 (2009)

Terrace records of Holocene incision, aggradation, and relationships between hillslope erosion and main channel processes in central Idaho
Pierce, J.L., Meyer, G.A., and Rittenour, T.M.,
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 227 (2009)

Teaching Physical Geology with a Learning Activity Sequence Motivates Student Interest, Learning, and Success
Pun, A., and Smith, G.A.,
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 94 (2009)

Corrected chemical signatures in Stardust glass reveal Wild 2 particles that resemble matrix grains of aggregate IDPs
F.J.M. Rietmeijer
Lunar and Planetary Science, 40, #1189, Lunar and Planetary Institute, Houston

Light scattering by fluffy low-silica Al-Fe-SiO and Ca-SiO smokes obtained by non-equilibrium vapor phase condensation
F.J.M. Rietmeijer, E., Hadamcik, A., Pun, J.-B., Renard, J.A., Nuth III and A.C., Levasseur-Regourd
Lunar and Planetary Science, 40, #1742, Lunar and Planetary Institute, Houston

Ideas on the Cenozoic evolution of the Colorado Plateau, NSF-Computational Infrastructure for Geodynamics
Roy, M.
GLADE Meeting, 2010

Explore New Mexico with EarthScope
Roy, M.
NSF Earthscope Workshop, Sept, 2009

Rio Grande Rift GPS measurements 2006-2009
H. Berglund, A. Sheehan, R. Steven Nerem, J. Choe, A.R. Lowry, M. Roy, F. Blume, M. Murray
American Geophysical Union Meeting, 2009.

Rio Grande Rift GPS measurements 2006-2008
H. Berglund, A. Sheehan, A.R. Lowry, R. S. Nerem, J. Choe, M. Roy, F. Blume
Earthscope National Meeting, 2009.

Rio Grande Rift GPS measurements 2006-2008
H.T. Berglund, A.F. Sheehan, W.M. Szeliga, M. Roy, R.S. Nerem, A.R. Lowry, and F. Blume
(In SSA 2009; abstracts of the annual meeting, Rowe,) Seismological Research Letters, 79 (2):274

Evidence for stress rotation near the West Salton detachment fault (WSDF), Salton Trough, California
Axen G.J., *Luther A.*, Selverstone J., and Khalsa N,**
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 50 (2009)

HP/UHP fluids preserved in Mn-rich garnets from Lago di Cignana, Italy
*Hawkins A.T., Selverstone, J., King P.L., and Frezzotti M.L.,
Geological Society of America Abstracts with Programs, v. 41, no. 7, 41 (7), p. 328 (2009)

Chlorine Isotopic Heterogeneity in Mantle Peridotites from the Ivrea Zone
*Halick M.A., Selverstone J., Sharp Z., and Barnes J.D.,
EOS Trans. AGU, 90(52), Fall Meet. Suppl., Abstract V31F-03 (2009)

Is low-angle normal fault slip aided by local stress rotations?
*Luther, A., Axen, G.J., Selverstone, J., and Khalsa, N.**
EOS Trans. AGU, 90(52), Fall Meet. Suppl., Abstract T41A-1993 (2009)

A review of chlorine stable isotopes as a fluid tracer in subduction zones (invited)
*Barnes, J D., Sharp, Z D., and Fischer, T P.,
19th annual V.M. Goldschmidt conference, Geochim. Cosmochim. Acta. 73, A91 (2009)

Chlorine Stable Isotope Gas and Ash Geochemistry from the Central American Subduction System
*Barnes, J.D., Sharp, Z.D., and Fischer, T.P.,
Margins Meeting (2009)

Revised Phanerozoic atmospheric CO_2 concentrations from paleosol carbonate (invited Keynote)
*Breecker, D.O., Sharp, Z.D., McFadden, L.D., and Quade, J.
19th annual V.M. Goldschmidt conference, Geochim. Cosmochim. Acta. 73, A158 (2009)

Seasonal bias in the formation and stable isotopic composition of pedogenic carbonate in modern soils from central New Mexico, USA.
*Breecker, D.O., Sharp, Z.D., and McFadden, L.D.,
(2009)

Photosynthetic discrimination drives seasonal variations in the $\delta^{13}C$ value of soil-respired CO_2 in mixed C3-C4 ecosystems from central New Mexico
*Breecker, D.O., Sharp, Z.D., McFadden, L.D., and Litvak, M.E.
EOS Trans. AGU, 90(52), Fall Meet. Suppl., Abstract: B53C-0419 (2009)

The role of dehydrogenation on the hydrogen contents and □D values of kaersutites
King, P.I., Guan, Y., Vennemann, T.W., Leshin, L.A. and Sharp, Z.D.,
Lunar Planet. Sci. Conf. 40, 2322 (2009)

Stable water isotopologues applied to detection of biospheric influences on CO_2 and other gases at Mauna Loa.
Noone, D.C., Galewsky, J., Sharp, Z.D., Barnes, J.E., and Worden, J.,
AGU, 90(52), Fall Meet. Suppl., Abstract: B52B-02 (2009)

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Rate and $\delta^{13}C$ values of CO_2 produced during short-term online incubation experiments indicate two different processes with distinct carbon sources
Osuna, R., *Breecker, D.O., and Sharp, Z.D.,
EOS Trans. AGU, 90(52), Fall Meet. Suppl., Abstract: B53C-0410 (2009)

Nitrogen isotope geochemistry as a volatile tracer of the deep mantle: insights from Iceland
*Prade, K.C., Fischer, T.P., Sharp, Z.D., Hilton, D.R., Gronvold, K., Fueri, E., Halldorsson, S., and Barry, P.H.
AGU, 90(52), Fall Meet. Suppl., Abstract: D141A-1773 (2009)

The Chlorine Abundance of Earth: Evidence for Early Atmospheric Loss and Creation of a Life-Supporting Planet.
Sharp, Z.D., and Draper, D.S.
EOS Trans. AGU, 90(52), Fall Meet. Suppl., AbstractV13H-05 (2009)

Core/Mantle Partitioning of Chlorine and a New Estimate for the Hydrogen Abundance of Earth
Sharp Z.D., Draper D.S., and Agee C.B.,
Lunar Planet. Sci. Conf. 40, 1209 (2009)

The Chlorine Isotope Composition of the Moon
Sharp Z.D., Shearer C.K. Jr., and *Barnes J.D.,
Lunar Planet. Sci. Conf. 40, 2351 (2009)

Using knowledge surveys to assess student learning gains and instruction
G.A. Smith
Program, Success in the Classroom: Sharing Practices that Work, p. 13

Characterization of a volcanically impacted, overfilled continental rift basin within the southeastern Jemez Mountains, New Mexico
*A.E. Edelman and G.A. Smith
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 644

Simultaneous magmatic/hydromagmatic eruptions reveal magma interaction with heterogeneous aquifers
G.A. Smith
Geological Society of America Abstracts with Programs, v. 41, no. 7, p. 646

Using What You Already Do to Do Assessment
G.A. Smith and T. Root
Program, New Mexico Higher Education Assessment and Retention Conference, p. 4 (2009)

Distributive fluvial systems of the Chaco Plain – satellite image assessment of fluvial form and facies distributions
Weissmann, G.S., Hartley, A.J., Scuderi, L.A., Bhattacharyya, P., Buehler, H., Leleu, S., and Mather, A.E.,
AGU Fall Meeting, San Francisco (2009)

Representations of aquifer analog heterogeneity for groundwater modeling from lidar imaging of outcrops
*Nichols, E.M., Weissmann, G.S., and Wawrzyniec, T.F.,
AGU Fall Meeting, San Francisco (2009)

The ongoing avulsion of the Taquari River, Geomorphic and vegetative change
*Buehler, H., Scuderi, L.A., Weissmann, G.S., and Hartley, A.J.,
AGU Fall Meeting, San Francisco (2009)

Geochemistry and the understanding of groundwater systems
Glynn, P., Plummer, N., Weissmann, G.S., and Stute, M.,
AGU Fall Meeting, San Francisco (2009)

Non-stationary hydrostratigraphic model of cross-cutting alluvial fans
Meirovitz, C., Fogg, G.E., Weissmann, G.S., LaBolle, E., Sagar, J., and Roll, L.,
AGU Fall Meeting, San Francisco (2009)

Fluvial-eolian interaction in modern continental sedimentary basins
Weissmann, G.S., and Hartley, A.J.,
GSA Annual Meeting, Portland (2009)

Channel bifurcation and slope on braided distributive fluvial systems
Olson, M.E., Weissmann, G.S., Hartley, A.J., and Scuderi, L.A.,
GSA Annual Meeting, Portland (2009)

The ongoing avulsion of the Taquari River and example of nodal avulsion on a distributive fluvial system
Buehler, H., Weissmann, G.S., Hartley, A.J., and Scuderi, L.A.,
GSA Annual Meeting, Portland (2009)

Building a 3D representation of outcrop heterogeneity from lidar imagery
Nichols, E.M., Weissmann, G.S., Wawrzyniec, T.F., and Frechette, J.,
GSA Annual Meeting, Portland (2009)

Non-stationary hydrostratigraphic model of cross-cutting alluvial fans
Meirovitz, C., Fogg, G.E., Weissmann, G.S., Sager, J., Roll, L., and LaBolle, E.,
GSA Annual Meeting, Portland (2009)

Glacially-driven stratigraphic sequence development in the San Joaquin Valley fluvial fans and potential implications for artificial recharge projects
Weissmann, G.S.,
27th Biennial Groundwater conference and 18th Annual Meeting of the Groundwater Resources Association of California (invited presentation) (2009)

Causal factors of non-Fickian dispersion explored through measures of aquifer connectivity
McKenna, S.A., Klise, K.A., Tidwell, V.C., Lane, J.W., Weissmann, G.S., Wawrzyniec, T.F., and Nichols, E.M.,
IAMG 09 (International Association for Mathematical Geology) Conference, Stanford, CA. (2009)

A new view of aggradational fluvial systems – the distributary fluvial system (DFS) paradigm
Weissmann, G.S., Hartley, A.J., Nichols, G.J., Scuderi, L.A., Olson, M., Buehler, H., and Banteah, R.,
AAPG Annual Convention and Exhibition, Denver, Colorado (2009)

The influence of heterogeneity at multiple scales on groundwater flow and contaminant transport
Weissmann, G.S.,
7th Washington Hydrogeology Symposium, invited keynote address (2009)

The distributary fluvial systems (DFS) paradigm: re-evaluating fluvial facies models based on observations from modern continental sedimentary basins, Rivers to Rock Record
Weissmann, G.S., Hartley, A.J., Nichols, G.J., Scuderi, L.A., Olson, M., Buehler, H., and Banteah, R.,
Aberdeen Scotland (invited keynote address) (2009)

Sandstone body architecture in ancient distributary fluvial systems, Rivers to Rock Record
Nichols, G., Fisher, J., Hartley, A., Kape, S., and Weissmann, G.S.,
Aberdeen Scotland (2009)

Distributary fluvial systems: characteristics, distribution, and controls on development, Rivers to Rock Record
Hartley, A.J., Weissmann, G.S., Nichols, G.J., and Warwick, G.L.,
Aberdeen Scotland (2009)

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Where do meanderbelts form in modern continental sedimentary basins, Rivers to Rock Record
Weissmann, G.S., Hartley, A.J., Nichols, G.J., Scuderi, L.A., Olson, M., Buehler, H., and Banteah, R.,
Aberdeen Scotland (2009)

Distributary fluvial system terminations in drylands: facies characterization in cratonic and foreland basins, Rivers to Rock Record
Davidson, S.K., Hartley, A., and Weissmann, G.S.,
Aberdeen Scotland (2009)

3. EXTERNALLY FUNDED RESEARCH GRANTS AND CONTRACTS

Awarded in January 1, 2009 – June 30, 2010

New Grants in 2009

Alliance for Minority Programs: Undergraduate Research Support at the University of New Mexico
L.J. Crossey, P.I.,
New Mexico State University/NSF
08/1/09-07/31/10: $55,000

Continental Smokers: evaluating mantle degassing, CO2 flux, geomicrobiology, and water quality in extensional continental regimes
L.J. Crossey, PI., and K.E. Karlstrom, P.C. Takacs-Vesbach (Biology)
NSF Hydrologic Sciences, $294,561 (8/1/2009-7/31/2011)

Testing for high-frequency (10^4-10^5 yr) glacio- and thermo-eustasy in greenhouse and transitional climates using oxygen isotopes of conodont apatite
M. Elrick and Z. Sharp, PIs
National Science Foundation, $298,500, 6/09-6/12

Pathways II: Earth Science as a Pathway to Inquiry to the New Mexico Public Education Department (MNPED)
A. Ellwein and M. Nyman
$100K, July 2009

Sandia National Laboratories Cyber Grant Program
A. Ellwein and M. Nyman
$40K April 2010

A high-resolution middle Pleistocene paleoclimate record from the Valles Caldera, New Mexico
P.J. Fawcett, PI, Co-I. Z.S. Sharp, J.W. Geissman, R. Scott Anderson (Northern Arizona University), E. Brown and J. Werne (University of Minnesota Duluth)
National Science Foundation, P2C2 Program, Sept 1, 2009 to August 31, 2011, $651,581 total; $215,925 to UNM

Acquisition of a tunable diode laser absorption spectroscopic isotope analyzer and peripheral induction furnace
Z. Sharp, PI and J. Galewsky
NSF EAR Instrumentation and Facilities, 9/2009-10/2009 $61,115

Cyberinfrastructure development for the western consortium of Idaho, Nevada, and New Mexico
W. Michener, PI and J. Galewsky
National Science Foundation, EPSCoR, 2009-2012; $200,000

Support for the Fifth Southwest Hydrometeorological Symposium
D. Gutzler, PI
University Corporation for Atmospheric Research / COMET National Weather Service Partners Program
12 months, Jul 09-Jun 10 ($12K)

Early solar system materials: Chemical, petrologic and isotopic investigations
R.H. Jones, PI
NASA/Cosmochemistry
$484,000; 4/01/2009 to 3/31/2012
R. Jones salary support: 5 months / year

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Electron Microbeam Instrumentation: Development of Interpretive Material for Outreach Opportunities
R.H. Jones, PI
NASA / Education and Public Outreach
$28,970; 4/01/2009 to 3/31/2012
R. Jones salary support: 0 months

Supplement to: The Trail of Time: A Geoscience Exhibition at Grand Canyon National Park
K.E. Karlstrom and L.J. Crossey
National Science foundation Informal Science Education Program, (06/01/2006 to 05/31/2010), $200,000 to UNM

Workshop grant for the opening of the Trail of Time: A Geoscience Exhibition at Grand Canyon National Park
K.E. Karlstrom and L.J. Crossey
National Science Foundation GeoScience Education Program $50,000 to UNM (2010)

Predicting the impacts of future greenhouse warming and associated climate changes on hill slopes of drylands of the American southwest
L.D. McFadden, PI
UNM Research Allocation Grant, $4000, 5/1/09-9/30/09

Studies of the nucleation, growth, and metamorphism of refractory materials: Simple analogs of complex natural samples
F.J.M. Rietmeijer (Co-Investigator)
$477,900; April 1, 2007 to May 31, 2011

HRTEM Petrology of comet Wild 2 dust captured in STARDUST silica aerogel
F.J.M. Rietmeijer (Principal Investigator)
National Aeronautics and Space Administration
$290,450; July 1, 2007 to June 30, 2010

Collaborative Research: Evaluating the roles of melt migration and mantle flow in lithospheric evolution: the Colorado Plateau as a geodynamic laboratory for EarthScope
PIs: M. Roy, B. Holtzmann, J. Gaherty
NSF-Earthscope; $221507 to M. Roy

DTRA JUP 2010: Geographic Information Systems Mapping and Analysis of Infectious Disease Outbreaks in East Africa (Kenya, Uganda, Tanzania)
L. Scuderi, Co. Investigator
US Defense Threat Reduction Agency
~$600,000 to CREATE (exact amount may increase depending on final tasking) 2010-2013

FSRG Consortium: Fluvial Systems Research Group
L. Scuderi, Co.PI., with G.S. Weissmann, (A. Hartley and G. Nichols in England) Conoco/Phillips, British Gas, Total (France), Chevron
$600,000 ($200,000 yr for a three year initial period with follow ups) 2009-2012

UNM LRAC 2010. Evaluating links between climate change and recent enhanced tree growth at upper altitude sites in the western United States
L. Scuderi, PI
University of New Mexico, Research Allocation Committee, $4,000, 2010-2011

Linked isotopic (Cl, O, H) and petrologic studies of fluid-rock interaction during the subduction cycle
J. Selverstone and Z. Sharp
National Science Foundation, $270,001; 6/1/09-5/31/12

Developing Collaborative Learning Communities in Large-Enrollment Courses to Promote the Success of First-Generation Students
G.A. Smith
Walmart Minority Student Success Initiative, Institute for Higher Education Policy
March 2010 – September 2011, $105,600

Fluvial Systems Research Group (FSRG): The Characterisation of distributive fluvial systems for hydrocarbon exploration and production – a consortium funded by BG, ConocoPhillips, and Total
A. Hartley (University of Aberdeen) G. Nichols (Royal Holloway, University of London) and L. Scuderi (UNM)
$214,270 for 3 years (2009-2012)

Grants and Awards current in the period January 1, 2009 – June 30, 2010
(continued from previous years)

Partial support for the acquisition of a Focused Ion Beam/FEGSEM for integrated mineralogical and isotopic analyses of extraterrestrial materials
A.J. Brearley (PI)
NASA Planetary Major Equipment Program
$350,000 (1 May, 2008 – 30 April 2009)

Upgrade of analytical transmission electron microscope facilities: Acquisition of an energy dispersive X-ray analysis system
A.J. Brearley (PI)
NASA Cosmochemistry Program
$20,000 (1 May 2008-30 April 2009)

Formation and alteration histories of chondritic materials
A.J. Brearley (PI) Program
NASA Cosmochemistry
$850,000 (1 April, 2006-31st March 2011).

Integrated mineralogical and isotopic studies of STARDUST cometary samples
A.J. Brearley (P.I.) – NASA Stardust Data Analysis Program
$199,000 (1 May 2007-30 April 2010)

Major Research Infrastructure – MRI: Focused Ion Beam System for Nano Fabrication and Nano Machining of Materials
A. Datye (PI), A.J. Brearley and Z. Leseman (coPIs) – NSF Major Research Infrastructure Program
$762,140 (June 2007-May 2009)

Mechanisms and kinetics of aqueous alteration reactions in chondritic meteorites
A.J. Brearley (PI)
NASA Origins of Solar Systems program
$140,025 (15 March, 2005 – 15 March 2009)

Alliance for Minority Programs: Undergraduate Research Support at the University of New Mexico
L.J. Crossey, P.I.,
New Mexico State University/NSF, 11/1/08-10/31/09
$55,000

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Track 1, GK-12: Ecohydrogeology in the Middle Rio Grande Environment
L.J. Crossey, Co-I; with S. Collins (UNM, Bio)
National Science Foundation/HER (0538396)
$1,664,336; 04/01/06-03/31/10

The Trail of Time: Informal Science Education initiative at Grand Canyon
L.J. Crossey, Co-I., K.E. Karlstrom, and S. Semken (ASU)
National Science Foundation Informal Science Education Program
$1,829,450; 7/31/06 to 8/1/10

Collaborative Research: Biogenic cave carbonates: Identifying surface carbon input to subsurface ecosystems
L.J. Crossey, PI., Co-I., D. Northup (Biology), M. Spilde (IOM)
National Science Foundation Low-temperature Geochemistry and Geobiology Program
$112,982; 09-1-07 to 08-31-10

Louis Stokes Alliance for Minority Participation - Bridge to the Doctorate VI
L.J. Crossey, PI
National Science Foundation Human Resources Division
$949,716; 9/1/2008-8/31/2010

Sevilleta Springs
L.J. Crossey, PI., and A. Williams
Water Resources Research Institute
$5,000; 9/1/2008-8/30/2009

Middle Paleozoic climatic and sea-level changes and their influence on marine community evolution: a comparison of models from Perunica microcontinent and Laurussian continent
M. Elrick, PI., and co-PI Jiri Fryda, Czech Geological Survey
AMVIS (American Science Information Center-joint cooperative U.S.-Czech Republic)
$150,000; 2008-2012

Using oxygen isotopes from apatitic conodonts to understand the origins of Paleozoic-Triassic 3rd-order (My-scale) sea-level changes
M. Elrick and Z. Sharp, PIs
National Science Foundation
$205,183; 2005-2009

Acquisition of instrumentation for volatile analyses in Earth Sciences
T. Fischer, PI, L.J. Crossey, co-PI
National Science Foundation EAR IF
$183,318; 08/20/08 – 08/19/10

Constraining the process of volatile transfer from the subducted slab to the surface using phenocrysts of recently erupted tephras from the Izu-Bonin-Marianas arc
T. Fischer
National Science Foundation OCE MARGINS
$75,095.00; 03/28/07 – 03/27/09, extended for one year

Chlorine Isotope Geochemistry of Volcanic Systems
J. Barnes, Z. Sharp and T. Fischer
National Science Foundation EAR
$138,924.00l; 05/29/07 – 05/28/09

Climate change impacts on New MexicoÕs mountain sources of water
W. Michener, PI and J. Galewsky
National Science Foundation EPSCoR
$600K; 2008-2013

Collaborative research: Identification of the plate boundary between India and Indochina through integrated petrologic, structural, and paleomagnetic analyses
J.W. Geissman
National Science Foundation, Tectonics
$104,473 (request, UNM component, two years)

Integrated Stratigraphic, Geomorphic, Sedimentologic, Numeric, and Experimental Study of Hanging Wall Ramp Architecture in Continental Half Grabens
G. Smith and J.W. Geissman
National Science Foundation, EAR, Geology and Paleontology
$147,210 (three years)

Collaborative Research: Integrated Tectonic and Paleomagnetic Study of the Early Cenozoic Rotation and Extrusion of Asian Crust Around the Eastern Himalayan Syntaxis
J.W. Geissman
National Science Foundation, EAR, Tectonics
$181,000 (three years)

A collaborative paleomagnetic, remote sensing, and field investigation of the Neogene fragmentation of the Maya Block, with implications for the Jurassic opening of the Gulf of Mexico
T. Wawrzyniec and J.W. Geissman
American Chemical Society, Petroleum Research Fund
$80,000, August 1, 2006, through August, 2008 (with one year no-cost extension)

Collaborative Research: Magma dynamics in sill and dike systems: Constraints from magnetic fabrics and paleomagnetism in the Karoo large igneous province
J.W. Geissman, and E. Ferre, Southern Illinois University
National Science Foundation, EAR, Tectonics
$77,256, January, 2008, through December, 2009

ICDP Workshop on the Colorado Plateau Coring Project: 100 Million Years of Climatic, Tectonic, and Biotic Evolution in Continental Cores
J.W. Geissman, G.H. Bachmann, Martin-Luther-Universität Halle-Wittenberg, R.C. Blakey, Northern Arizona University, D.V. Kent, Rutgers University, W.M. Kürschner, Universiteit Utrecht, P.E. Olsen, Columbia University, J. Sha, Nanjing Institute of Geology and Paleontology, Nanjing, International Continental Drilling Program
$35,000, May 1, 2009, through December 1, 2009

Collaborative Research: Terrestrial Paleoenvironmental record through the Permian-Triassic transition of Texas and New Mexico
J.W. Geissman and P. Renne (University of California, Berkeley)
National Science Foundation, EAR, Sedimentary Geology and Paleobiology
$136967, February 1, 2008 through January 31, 2010

Collaborative Research: A high-resolution middle Pleistocene paleoclimate record from the Valles Caldera, New Mexico
P.J. Fawcett, Z. Sharp, and J.W. Geissman
National Science Foundation Paleo Perspectives on Climate change (P2C2)
$215,925, June 1, 2009 through May 31, 2011

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The North American Monsoon System Climate Process Team
J. Schemm, PI., NOAA; UNM co-PI., D. Gutzler
NOAA Climate Program Office/Climate Prediction Program for the Americas
36 months, June 05-June 08 + no-cost extensions, $230K/yr ($33K/yr to UNM).

The Seasonal Cycle of Drought
D. Gutzler, PI
NOAA Climate Program Office/Climate Prediction Program for the Americas
$65K; 7/07-05/09 + no-cost extension

Petrologic, Chemical and Experimental Investigations of Early Solar System Materials
R.H. Jones, PI
NASA/Cosmochemistry
$351,000; 4/01/2006 to 3/31/2010
R. Jones salary support: 4 months / year (to 3/31/2009)

Chlorine isotope distribution in chondritic meteorites: Search for multiple nebular reservoirs
Z. D. Sharp, PI, Co-Investigators, R.H. Jones and A.J. Brearley
NASA/Origins of Solar Systems
$148,061; 5/01/2008 to 4/30/2011
R. Jones salary support: 0.5 months/year

Collaborative Research: CREST: Colorado Rockies Experiment and Seismic Transects
K.E. Karlstrom, Co-PIs., K. Dueker, R. Aster, E. Kirby, L.J. Crossey and others
National Science Foundation Continental Dynamics Program
$299,457 to UNM; 01/01/2007-12/31/2011

Collaborative Research: Testing models for incision and neotectonics of the Grand Canyon region: field studies, Ar-Ar dating of Neogene basalts, and detrital zircon and monazite analysis of quartzite cobbles
K.E. Karlstrom and Co- PI., L.J. Crossey
National Science Foundation Tectonics Program
$159,964 to UNM; 7/15/07 to 6/30/10

Research Experience for Undergraduates (REU) Site: New Mexico Sevilleta LTER REU Site Program
Collins, S., P.I., McFadden, L.D., Co-P.I.,
National Science Foundation
$267,465; 4/1/08–3/30/11

Stable Isotope Profiles in Modern Desert Soils
Z. Sharp, PI., L.D. McFadden, Co- PI.
National Science Foundation
$95,007; 7/1/2007–6/30/2009

New Mexico Alliance for Faculty Diversity, Partnerships for Adaptation, Implementation and Dissemination (PAID)
T. Stirling, PI., L.D. McFadden, one of several co-P.I.s at 4 institutions
National Science Foundation
$655,400; UNM share, $77,700, 1/1 2007 – 12/31/ 2009

Phase II, Geomorphic influence of beaver on fluvial systems in northern Yellowstone
G. Meyer, PI
U.S. National Park Service – Colorado Plateau Cooperative Ecosystem Studies Unit
$4150; 9/1/2009-8/31/2010

Geomorphic influence of beaver on fluvial systems in the greater Yellowstone ecosystem
G. Meyer, PI
NSF Geomorphology and Land Use Dynamics Program, EAR 0844293
$184,986; 1/31/2009-12/31/2011

Geomorphic influence of beaver on fluvial systems in northern Yellowstone
G. Meyer, PI
U.S. National Park Service – Colorado Plateau Cooperative Ecosystem Studies Unit
$11,995; 09/1/2008-8/31/2009

Coupling of hydrologic-hydraulic models and aerial photos through time
G. Meyer, PI; and J. Coonrod, co-PI
U.S. Army Corps of Engineers – Urban Flood Demonstration Program
$100,633; 7/2006-7/2009

Studies of the nucleation, growth, and metamorphism of refractory materials: Simple analogs of complex natural samples Remove from new grants
F.J.M. Rietmeijer (Co-Investigator)
$477,900; 04/1/7 to 5/31/11

HRTEM Petrology of comet Wild 2 dust captured in STARDUST silica aerogel
F.J.M. Rietmeijer, PI Remove from new grants
National Aeronautics and Space Administration
$290,450; 07/1/07 to 6/30/10

Collaborative Research: Interpretations of seismic anisotropy in terms of the long-term tectonic history of the Western US
PIs: J. Gaherty, M. Roy, A. Lerner-Lam
National Science Foundation, Earthscope; ($118K to MR; 2006-08)

Collaborative Research: Crustal deformation measurements and a multidisciplinary geophysical investigation of the Rio Grande Rift
PIs: A. Sheehan, S. Nerem, A. Lowry, and M. Roy
National Science Foundation, EAR-Earthscope Program ($124K to MR, $605K total, July 2005-July 2011)

NSF CI 0753336: CI-TEAM Implementation Project: Advancing Cyberinfrastructure-based Science through Education, Training, and Mentoring of Science Communities
L. Scuderi, Co-I., and PI. D. Pennington
National Science Foundation
$916,000; for consortium (UNM, UA, ASU, NAU) ($249,668 at UNM) 2006-2010

Collaborative research: What is the strength of low-angle normal faults?
G.J. Axen (New Mexico Tech) and J. Selverstone
National Science Foundation
$148,564; UNM component; 6/1/08-5/31/11

Integrated stratigraphic, geomorphic, sedimentologic, numeric, and experimental study of hangingwall ramp architecture in continental half grabens
G.A. Smith and J.W. Geissman
National Science Foundation
$151,966; 3/04-2/09

Collaborative Research: Intercomparison of Atmospheric Water Vapor Isotope Measurements from Mauna Loa, Hawaii and Implications for Characterizing Subtropical Humidity
Z. Sharp, PI., Co-I., J.Galewsky and D. Noone (Univ., of Colorado)
$67,413; ATM, 09/15/08, 12 months

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Breath Test Surrogate for TB Drug Trials
Z. Sharp, Co-I and G. Timmins
NIH
4/09, 24 months

SGER: Chlorine Isotopes as Tracers of Subduction Zone Fluids
Z. Sharp, PI
EAR
06/01/06, 24 months, $82,163

Collaborative Research: The Nitrogen Isotope Systematics of the Icelandic Mantle
Z. Sharp, PI, Co-I., T. Fischer and Hilton.
EAR
$239,340; 02/01/06, 36 months

Chlorine isotope distribution of chondritic meteorites: Search for multiple nebular reservoirs
Z. Sharp, PI., Co-I., A.J. Brearley and R. Jones
NASA
$156,128; 05/01/08, 24 months

The Department of Energy (DOE-BES): Investigation into the relationship between heterogeneity and heavy-tailed solute transport
(Principal Investigators: G.S. Weissmann, S. McKenna and V. Tidwell, Sandia National Laboratory, D. Benson, Colorado School of Mines).
$30,000; $15,000 for 2007

The Department of Energy (DOE-ESMP): Geochemical and Physical Aquifer Property Heterogeneity: A multi-scale sedimentologic approach to reactive solute transport.
(Principal Investigators: G.S. Weissmann, R. Allen-King, University of Buffalo, C. Murray, Pacific Northwest National Laboratory).
$296,895; 5/2006

4. RESEARCH PROJECTS IN PROGRESS

Adrian Brearley, Professor

Manuscripts in press or submitted

Early solar system processes recorded in the matrices of two highly pristine CR3 carbonaceous chondrites, MET00426 and QUE99177.
Abreu, N.M. and Brearley, A.J. (2010)
Geochimica et Cosmochimica Acta 74, 1146-1171.

Dust particle size evolution. In 'Protoplanetary Dust' Edited by Daniel Apai and Dante Lauretta,
Pontoppidan, K. M. and Brearley, A.J. (2010)
Cambridge University Press, Cambridge pp. 191-229.

Fe/Mn Systematics of Chondrule Olivine: Fe-Mn systematics of type IIA chondrules in ordinary and carbonaceous chondrites.
Berlin, J., Jones, R.H. and Brearley, A.J. (2010)
Meteoritics and Planetary Science (in review).

Deciphering the Nebular And Asteroidal Record of Silicates and Organic Material in the Matrix of the Reduced CV3 Chondrite Vigarano.
Abreu, N.M. and Brearley, A.J. (2010)
Meteoritics and Planetary Science (in review)

Fluid Control on microcracking in eclogites and implications for subduction-zone seismicity.
Selverstone, J. and Brearley, A.J. (2010)
Nature Geosciences (in review).

Manuscripts in preparation

Metasomatism and metamorphism in chondritic meteorites: A review (with Sasha Krot).

A comparison of fine-grained rim compositions in the CM chondrites, Y791198 and ALH 81002 (with Lysa Chizmadia).

Chrysotile nanotubes as hosts for chlorine in serpentinites (with Jaime Barnes and Zach Sharp).

Zoning and Mn-Cr isotope systematics of carbonates in the ALH84034 CM carbonaceous chondrites: Evidence for prolonged aqueous activity on the CM2 chondrite parent body (with Ian Hutcheon).

Hydrous phases of martian origin in ALH84001.

Ubiquitous nanophase carbides in CM2 chondrites: Evidence for widespread Fischer-Tropsch catalysis reactions in the early solar system

Iron carbides in the Vigarano CV3 chondrite; Constraints on the conditions of asteroidal aqueous alteration (with Neyda Abreu).

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Unfunded proposals

Experimental Constraints on the Origin of Sulfide Minerals in Chondritic Meteorites
A.J. Brearley (PI)
NASA Origins of Solar Systems Program
$495,501

Laura J. Crossey, Professor

Manuscripts accepted in press

Travertines and travertine springs in eastern Grand Canyon: What they tell us about groundwater, paleoclimate, and incision of Grand Canyon, in Timmons, J.M., and Karlstrom, K.E., eds., Crossey, L.J., and Karlstrom, K.E.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press.

Travertines and travertine springs in eastern Grand Canyon: What they tell us about groundwater, paleoclimate, and incision of Grand Canyon, in Timmons, J.M., and Karlstrom, K.E., eds., Crossey, L.J., and Karlstrom, K.E.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press.

Introduction to the Monograph and Geologic Overview of Eastern Grand Canyon, in Timmons, J.M., and Karlstrom, K.E., eds.,
Karlstrom, K.E., Timmons, J.M., and Crossey, L.J.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press.

The Grand Canyon Unkar Group and Nankoweap Formation: Mesoproterozoic basin formation in the continental interior during supercontinent assembly, in Timmons, J.M., and Karlstrom, K.E., eds.,
Timmons, J.M., Bloch, J., Fletcher, K., Karlstrom, K., Heizler, M. and Crossey, L.J.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press.

Submitted pending 2008

New, GK-12: ENvironmental CHAnge for New Mexico Teaching (ENCHANT)
PI: w/ S. Collins (Biology), R. Kitchen (Math)
NSF Education/Human Resources, $2,975,222 (8/1/2008-7/31/2013).

Louis Stokes Alliance for Minority Participation - Bridge to the Doctorate VIII
PI
NSF Human Resources Division; 9/1/2010-8/31/2013; $949,716. [Funded]

Supplement to: The Trail of Time: A Geoscience Exhibition at Grand Canyon National Park: $200,000 (06/01/2006 to 05/31/2010); NSF Informal Science Education Program: PI Karl Karlstrom, Co-I Laura Crossey [Funded]

Workshop grant for the opening of the Trail of Time: A Geoscience Exhibition at Grand Canyon National Park: $50,000; NSF GeoScience Education Program: PI Karl Karlstrom, Co-I Laura Crossey [Funded]

Maya Elrick, Associate Professor

Manuscripts in preparation

Oxygen isotope trends and interpreted paleoclimate changes across the Late Cambrian positive carbon isotope excursion (SPICE event),
Elrick, M., Rieboldt, S., McKay, R., Runkel, A., Saltzman, M.,
Geology.

Manuscrips in press or sumitted

Stratigraphic and oxygen isotope evidence for My-scale glaciation driving eustasy in the Early–Middle Devonian greenhouse world
Elrick, M., S. Berkyová, G. Klapper, Z. Sharp, M. Joachimski, J. Fryda
Palaeogeography, Palaeoclimatology, Palaeoecology, v. 276, 170-181 (2009)

Carbon and oxygen isotope evidence for high-frequency (104-105 yr) and My-scale glacio-eustasy in Middle Pennsylvanian cyclic carbonates (Gray Mesa Formation), central New Mexico,
Elrick, M. and Scott, L.A.,
Palaeogeography, Palaeoclimatology, Palaeoecology (submitted).

In review

New OSL ages provide evidence of MIS3 and MIS2 eolian activity on Black Mesa, northeastern Arizona, USA
Ellwein, A.L., Mahan, S., and McFadden, L.D.,
Quaternary Research, accepted with revisions

Sources of sediment in the current arroyo cycle using a sediment budget for two subbasins of the Rio Puerco, New Mexico.
Gellis, A.C., Pavich M.J., Ellwein, A.L., Wieczorek, M.E., and Viger, R.J.,

Amy Ellwein, Lecturer III, Natural Science Program

Research Projects in Progress

Co-PI with Matt Nyman on an in-service K-5 teacher professional development project funded by the New Mexico Public Education Department with Bernalillo Public Schools, Pathways II: Earth Science as a Pathway to Inquiry. This highly successful one-year project is in its final stages.

Ongoing dissertation research in soil geomorphology - plan to defend in Fall 2010.

Submitted proposal

Completed pre-proposal submitted to NSF Discovery Research K12 Program; did not submit full proposal.

Unsuccessful proposal

Collaborated on proposal to NSF Research Experiences for Teachers program with Nanoscience and Microsystems (NSMS) faculty in Engineering (Dr. Abhaya Datye), Chemistry (Dr. Deborah Evans), and with Dr. Nyman; not funded.

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Peter J. Fawcett, Associate Professor

Manuscripts in preparation

A reevaluation of the timing and extent of middle and late-Holocene glaciations and climatic conditions in the Sierra Nevada
Scuderi, L.A. and Fawcett, P.J.,
To be submitted Quaternary Research

Paleolimnological record of late Quaternary climate change from Laguna El Fresnal, northern Mexico
Fawcett P.J. and Castiglia, P.J.*,
To be submitted to Paleolimnology.

Lacustrine and alluvial stratigraphy of Holocene pluvial Lake Palomas shorelines, El Fresnal Basin, Chihuahua, Mexico
Fawcett, P.J., and Parker, J.*,
To be submitted to Quaternary Research

Journal Articles Submitted:

Coupled Warming and Aridity in the American Southwest During mid-Pleistocene Interglacials, Fawcett, P.J., Werne, J., Anderson, R.S., Heikoop, J., Brown, E., Berke, M.A., Smith, S., Goff, F., Hurley, L., Cisneros-Dozal, M., Schouten, S., Sinninghe Damsté, J.S., Huang, Y., Toney, J.L., Fessenden, J.E., WoldeGabriel, G.W., Geissman, J.W., and Allen, C.,
Submitted to Science.

Tobias Fischer, Associate Professor

In press

Quantifying Inorganic Sources of geochemical energy in hydrothermal ecosystems, Yellowstone National Park, USA.
Shock, E.L., Holland, M., Meyer-Dombart, D., Amend, J.P., Osburn, G.R., Fischer, T.P.
Geochim. Cosmochim. Acta (in press)

Decoupling of the He and Ne isotope systematics of the Icelandic mantle: the role of He depletion, magma mixing and degassing fractionation.
Fueri, E., Hilton, D.R., Halldorson, S.A., Barry, P.H., Hahm, D., Fischer, T.P., Gronvold, K.
Geochim. Cosmochim, Acta. (in press)

Monitoring of temporal and spatial variations in fumarole helium and carbon dioxide characteristics at Poás and Turrialba volcanoes, Costa Rica (2001-2009)
Hilton, D.R., Ramirez, C., Mora Amador, R.A., Fischer, T.P., Furi, E., Barry, P.H., Shaw, A.M.
Chemical Geol. (in press)

Work in progess

The 2005 and 2006 Eruptions of Ol Doinyo Lengai Volcano, East African Rift, Tanzania. Collaborators are Bernard Marty and Pete Bernard CNRS, Nancy, France. Research part of Maarten DeMoor's PhD. thesis

Development of mass spectrometer based instrumentation for continuous monitoring of volcanic gas emissions. Collaborator is McMurtry (U of Hawaii). Applied for new funding from Sloan Foundation.

Volatiles in the Central American subduction zone. Collaborator is Hilton (Scripps). Funded by NSF but grant has expired. We are still working there. In progress

Volatiles in the Izu-Bonin-Marianas subduction zone. Collaborators are Hilton (Scripps) Hauri (DTM, Carnegie) and Shaw (WHOI) supported by NSF OCE work in progress but grant finished. In progress.

SO_2 flux from Anatahan Volcano, Mariana Islands as measured by MODIS (satellite based) and comparisons to ground-based measurements (with Dr. Scouderi). Supported by UNM CREATE 01/01/03 – present Manuscript in progress with student Vanessa Maier. Slow progress on manuscript because of lame co-author out in CA

SGER: Chlorine Isotopes as Tracers of Subduction Zone Fluids (Sharp, PI; Fischer, co-PI) NSF EAR 82,163.00 06/01/06-05/31/07. Grant has expired but we are writing up papers.

Collaborative Research: The Nitrogen Isotope Systematics of the Icelandic Mantle (Fischer, PI; Sharp, Hilton co-PIs) NSF EAR-0537618 01/01/06 – 12/31/08 $239,340.00.

Joseph Galewsky, Assistant Professor

In press

An advection-condensation model for subtropical water vapor isotopic ratios
Galewsky, J. and Hurley, J.,
Journal of Geophysical Research, in press.

Works in progress

Static stability of the Last Glacial Maximum
Dong, L. and J. Galewsky
To be submitted to GRL during Summer 2010

A comparison of water vapor stable isotope sampling and measurement techniques
Johnson, L. Z. Sharp, J. Galewsky, D. Noone, P. Gupta,
To be submitted to RCM during Spring 2010

Pending proposals

Measurement of the oxygen and hydrogen isotope composition of evaporating water using a novel cavity ring-down technique
PI: Z. Sharp and J. Galewsky
NSF Atmospheric Chemistry
2010-2012; $132,700

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John W. Geissman, Chair and Professor

Papers in press

Paleomagnetism and Stratigraphic Correlations of Quaternary Bandelier Tuff Cooling Units, Jemez Mountains: Implications for the Tectonic Evolution of the Rio Grande Rift, *in* Hudson, M. R., and Grauch, T., eds., New Perspectives on the Rio Grande Rift: From Tectonics to Groundwater: Boulder, Colorado
Sussman, A.J., Lewis, C.J., Mason, S.N., Geissman, J.W., Oliva-Urchia, B., Schultz-Fellenz, E., and Gardner, J.,
Geological Society of America Special Paper (2010)

Tectonic and climatic controls on Upper Cenozoic nonmarine depositional sequences, Albuquerque Basin, Rio Grande rift, north-central New Mexico, *in* Hudson, M.R., and Grauch, T., ed., New Perspectives on the Rio Grande Rift: From Tectonics to Groundwater: Boulder,
Connell, S.D., Smith, G.A., Geissman, J.W., and McIntosh, W.,
Geological Society of America Special Paper (2010)

Paleomagnetic evidence for rapid, high temperature formation of large-scale rheomorphic structures in the upper Pliocene Huckleberry Ridge Tuff, east-central Idaho
Geissman, J.W., Holm, D.K., Harlan, S.S., and Embree, G.,
Geology, v. 38, p. 263-266 (2010)

Magnetic fabric, paleomagnetic, and 40Ar/39Ar geochronologic data bearing on the emplacement of the Philipsburg Batholith, southwest Montana fold/thrust belt
Naibert, T.J., Geissman, J.W., and Heizler, M.,
Lithosphere, in press

Magnetostratigraphy of the uppermost Triassic/lowest Jurassic Moenave Formation western USA, and Correlations with strata from the eastern USA, Morocco, and United Kingdom
Donohoo- Hurley, L.L., Geissman, J.W., and Lucas, S.G.,
Bulletin of the Geological Society of America, in press

Paleomagnetism of the Todos Santos and La Silla Formations, Chiapas: Implications for the Opening of the Gulf of Mexico, *in* Lawton, T.F., ed., Geosphere Special Issue: Boulder,
Godinez-Urban, A., Molina-Garza, R.S., Geissman, J.W., and Wawrzyniec, T.F.,
Geological Society of America, in press.

Proposals in review

Major Research Instrumentation: Acquisition of a Magnetic Properties Measurement System (MPMS)
M. Kirk, UNM, Chemistry; J.W. Geissman, K. Malloy, UNM, Engineering; R. Duncan, UNM, Physics
National Science Foundation, Major Research Instrumentation
$315,319. September 1, 2009, through August 30, 2011

Collaborative Research: Timing, Extent, and Spatial Progression of Neogene Displacement Transfer, Southern Walker Lane, Western Nevada
J.W. Geissman, J. Oldow (University of Texas at Dallas, Danny Stockli (University of Kansas)
National Science Foundation, EAR Tectonics
$145,926, July 1, 2010 through 30 June, 2012

Collaborative Research: Geometry, kinematics, and dynamics of relay zones in extensional/transtensional settings
J.W. Geissman and A. Sussman
National Science Foundation, EAR, Tectonics
$178,000, August 1, 2009 through July 31, 2012

Track 2: Southwest Opportunities for Diversity in the Geosciences (SODiG)
J.W. Geissman and NUMEROUS additional UNM colleagues
National Science Foundation EAR-Opportunities of Enhancing Diversity
$1,993,586, September 1, 2009 through August 30, 2014

Collaborative Proposal: Evolutionary Origins of Hominidae
J.W. Geissman, N. Boaz, P. Mozley (NM Tech)
National Science Foundation, Division of Behavioral and Cognitive Sciences Human Origins
$255,036, October 1, 2009, through September 30, 2014

Manuscripts in Review

Complexities in the early Cenozoic extrusion of crustal fragments around the eastern Himalayan syntaxis
Geissman, J.W., Burchfiel, B.C., Studnicki-Gizbert, C., Akciz, S., Lianzhong, C., and Brocklehurst, S.,
Geosphere, Electronic Journal of the Geological Society of America.

Magnetostratigraphy of the Upper Triassic Chinle Group of New Mexico: Implications for regional and global correlations among Upper Triassic sequences
Zeigler, K.E., and Geissman, J.W.,
Geosphere , in review.

New paleomagnetic data bearing on the Neogene evolution of the Walker Lane belt transfer zone, Grow, J.S., Geissman, J.W., and Oldow, J.S.,
West-central Nevada,

Timing of the end-Triassic extinctions on land
Lucas, S.G., Kozur, H., Donohoo-Hurley, L., Geissman, J.W., Weems, R.E.,
The Moenave Formation on the southern Colorado Plateau, USA, (2010)

Manuscripts in preparation

Paleomagnetism of the Spanish Peaks igneous complex, south-central Colorado: Implications for the North American mid-Cenozoic reference paleomagnetic pole
Muggleton, S. R., and Geissman, J.W.,
Journal of Geophysical Research.

Magnetic property evidence for local heterogeneity in mantle oxidation state, mantle xenoliths from the Rio Puerco volcanic necks, central New Mexico
Callahan, C.N., Geissman, J.W., Selverstone, J., and Brearley, A.J.,
Geophysical Research Letters (2009)

"Lathrop Wells volcanic center: geology, geomorphology, and paleomagnetism" (title approximate)
DePaolo, D.J., Geissman, J.W., Perry, F. V., McFadden, L.D., Wells, S.G., Crowe, B.M., and others?
Geological Society of America Bulletin

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Age and paleomagnetism of contractile structures in the Cottonwood Mountains, Death Valley area, southeast California
Snow, J.K., J.W. Geissman, and B.P. Wernicke
Elsevier, Earth Science Reviews, Wright/Troxel volume

Paleomagnetism of the Mesoproterozoic Pikes Peak batholith, southern Front Range, Colorado
Geissman, J.W., Harlan, S.S., Feig, A.D.,
Precambrian Research

On the paleomagnetic signature of crystalline crust in extensional terranes
J.W. Geissman
Intended for Tectonics

Paleomagnetic data from the Hoover Dam area document approximately 45 degrees of counterclockwise rotation related to slip along the Lake Mead Fault System
J.W. Geissman
Intended for Tectonics

Applications of Paleomagnetism in the Basin and Range province, western U.S.A., and relevance to models for crustal extension
J.W. Geissman
Intended for Reviews of Geophysics (invited)

Paleomagnetism and rock magnetism of late Miocene intrusions, Paiute Ridge, Nevada
C.D. Ratcliff, J.W. Geissman, F.V. Perry, B.M. Crowe, and P. Zeitler
Intended for Journal of Geophysical Research

Partial late Paleozoic remagnetization of the Cambro-Ordovician Ignacio Formation, southwest San Juan Mountains, Colorado
J.W. Geissman
Intneded for Geophysical Research Letters

Paleomagnetism of mafic dikes in the Roberts Mountains and Cortez Range, Nevada: Implications for structural history of the northern Nevada rift
J.W. Geissman, G.A. Acton, and M. Schneider*
Intended for Tectonics.

The rock magnetic record of silicic magma emplacement, Obidian Domes, California
J.W. Geissman, J.C., Eichelberger, S.S. Harlan, and C. McCabe
Intended for Journal of Geophysical Research

Paleomagnetic and thermochronologic evidence for footwall tilt during extensional core complex development, Mineral Mountains, central Utah
D.S. Coleman, J.W. Geissman, J. D.Walker, J.M. Bartley, and K.V. Hodges
Intended for Geological Society of America Special Paper, invited

Paleomagnetic results from Cenozoic volcanic rocks in the Walker Lane area, west-central Nevada, and their bearing on mechanics of Basin and Range extension
J.T. Callian*, J.W. Geissman, J.S. Oldow, and R.F. Hardyman

Further paleomagnetic results from Mesozoic plutons of the Walker Lane area, west-central Nevada, and tectonic implications.
J.W. Geissman, J.T. Callian* and J.S. Oldow
Tectonophysics.

Paleomagnetism of the Jurassic Humboldt Lopolith, west-central Nevada: Results from extrusive equivalent metavolcanic rocks.
M.R. Hudson and J.W. Geissman
Geol. Soc. Amer. Bull.

Unsuccessful proposals for grants:

Collaborative Research: A high-resolution middle Pleistocene paleoclimate record (MIS 14 to 10) from the Valles Caldera, New Mexico
Peter Fawcett, John Geissman, and colleagues from Northern Arizona University and University of Minnesota, Duluth
National Science Foundation, Sedimentary Geology and Paleobiology
$170,000, August 1, 2007, through July, 2009

Collaborative Research: Paleoclimatic Reconstruction of Early Permian-Early Triassic Terrestrial Records – Implications on the Cause and Rate of the End-Permian Terrestrial Mass Extinction, Bogda Mountains, NW China
John Geissman and numerous colleagues from other institutions
National Science Foundation, EAR, Sedimentary Geology and Paleobiology
$158,530, January 1, 2009, through December 31, 2011

Collaborative Research: Walker Lane Integrated Geological and Geophysical Lithosperic Experiment (WIGGLE)
National Science Foundation, EAR, Earthscope Science Program
Danny Stockli (University of Kansas), Randy Keller (University of Oklahoma), Hersch Gilbert (Purdue University), John Geissman, John Oldow (University of Idaho)
178,000 (UNM component), January 1, 2008, through December, 2011

Non-sponsored Research:

"Generic" paleomagnetic and rock magnetic investigations of: Cenozoic volcanic rocks (Arizona, Nevada, California, New Mexico)
Lower Paleozoic plutons (New Mexico, Colorado)
Mesozoic sedimentary rocks (New Mexico, Colorado, West Texas, Nevada)
Paleozoic sedimentary rocks (Nevada, New Mexico, Colorado, Utah)
Cenozoic intrusions (Utah, Nevada, New Mexico)
Mesozoic intrusions and fault-generated pseudotachylites (Nevada, Colorado, California, Mexico)

David Gutzler, Professor

Manuscripts in progress/in press [*student co-authors]

Climate and drought in New Mexico
D.S. Gutzler
Chapter 4 of New Mexico Water Policy and Management Issues, Brookshire et al. (eds.), in review.

Effects of climate change on mountain hydrology and water management in the upper Rio Grande watershed: Assessment methods and strategies
A. Rango, B. Hurd, D.S. Gutzler and E.R. Vivoni
Climate Research, in review.

The complex seasonal cycle of ecohydrology in the Southwest United States
M. Notaro, Z. Liu, R. Gallimore, J. Williams, D.S. Gutzler and S. Collins
J. Geophysical Research (Biogeosciences), in review.

Other scientific manuscripts

Regional hydroclimatic projections for the Southwest: A State-of-the-Art Summary
Climatic change in the Southwest: Frequently Asked Questions
D.S. Gutzler
Prepared for the Office of the State Engineer for the Gila River Forum, May 2009.

Rhian H. Jones, Associate Professor

Manuscripts in press and in review

Feldspar in type 4-6 ordinary chondrites: A record of metamorphic processing on the H and LL chondrite parent bodies.
*Kovach H. A. and Jones R. H.
Meteoritics and Planetary Science, in press.

Fe-Mn systematics of type IIA chondrules in ordinary and carbonaceous chondrites.
Berlin J., Jones R. H. and Brearley A. J.
Meteoritics and Planetary Science, in review.

Karl E. Karlstrom, Professor

Articles published and in press for 2010:

1 first-authored paper, 1 with an MS student as first author, and 8 chapters in a monograph that is in press for 2010. There are numerous additional articles in various stages of preparation.

Structure and 40Ar/39Ar K-feldspar thermal history of the Gold Butte block: Reevaluation of the tilted crustal section model, *in* Umhoefer, P.J., Beard, L.S., and Lamb, M.A., eds., Miocene Tectonics of the Lake Mead Region, Central Basin and Range
Karlstrom, K.E., Heizler, M., and Quigley, M.C.,
Geological Society of America Special Paper 463, p. 331–352, doi: 10.1130/2010.2463(15) 2010.

Timing and mechanisms of basement uplift and exhumation in the Colorado Plateau–Basin and Range transition zone, Virgin Mountain anticline, Nevada-Arizona, *in* Umhoefer, P.J., Beard, L.S., and Lamb, M.A., eds., Miocene Tectonics of the Lake Mead Region, Central Basin and Range
Quigley, M.C., Karlstrom, K.E., Kelley, S., and Heizler, M.,
Geological Society of America Special Paper 463, p. 311–329, doi: 10.1130/2010.2463(14) 2010.

A Geologic Overview of Eastern Grand Canyon
Timmons, J.M., and Karlstrom, K.E., eds.,
Grand Canyon Association Monograph, in press, 2010.

Vishnu basement rocks of the upper Granite Gorge: continent formation 1.8 to 1.6 billion years ago, *in* Timmons, J.M., and Karlstrom, K.E., eds., Karlstrom, K.E., and Williams, M.L.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press, 2010.

Faulting and Uplift in the Grand Canyon Region, *in* Timmons, J.M., and Karlstrom, K.E., eds., Karlstrom, K.E., and Timmons, J.M.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press, 2010.

The Laramide and Post-Laramide Uplift and Erosional History of the Eastern Grand Canyon: Evidence from apatite fission-track thermochronology, *in* Timmons, J.M., and Karlstrom, K.E., eds., Kelley, S. A., and Karlstrom, K.E.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press, 2010.

Travertines and travertine springs in eastern Grand Canyon: What they tell us about groundwater, paleoclimate, and incision of Grand Canyon, *in* Timmons, J.M., and Karlstrom, K.E., eds., A Crossey, L.J., and Karlstrom, K.E.,
Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press, 2010.

Unconformities of Grand Canyon and analysis of the Great Unconformity, *in* Timmons, J.M., and Karlstrom, K.E., eds.,
Karlstrom, K.E., and Timmons, J.M.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press, 2010.

Introduction to the Monograph and Geologic Overview of Eastern Grand Canyon, *in* Timmons, J.M., and Karlstrom, K.E., eds.,
Karlstrom, K.E., Timmons, J.M., and Crossey, L.J.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press, 2010.

The Grand Canyon Unkar Group and Nankoweap Formation: Mesoproterozoic basin formation in the continental interior during supercontinent assembly, *in* Timmons, J.M., and Karlstrom, K.E., eds.,
Timmons, J.M., Bloch, J., Fletcher, K., Karlstrom, K.E., Heizler, M., and Crossey, L.,
A Geologic Overview of Eastern Grand Canyon: Grand Canyon Association Monograph, in press, 2010.

Barry S. Kues, Professor

Manuscripts in preparation

One hundred years ago: What we knew about the geology of New Mexico in 1912
B. S. Kues
For New Mexico Geological Society

A detailed study of a late Atokan (Middle Pennsylvanian) marine fauna from near Holman Hill, Mora County, New Mexico
B.S. Kues
For New Mexico Geology

A bellerophontoid-dominated gastropod assemblage from the Laborcita Formation, Sacramento Mountains, New Mexico
B.S. Kues
For New Mexico Geology

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Early Pennsylvanian (Morrowan) faunas from the Osha Canyon Formation, Nacimiento Mountains, New Mexico
B.S. Kues
For New Mexico Geology

Micromolluscs from the Madera Group (Upper Pennsylvanian), Jemez Springs area, New Mexico
B. S. Kues and T. Yancey
For Journal of Paleontology

Middle Pennsylvanian bivalves from the Flechado Formation, north-central New Mexico
B. S. Kues
For Journal of Paleontology

Papers in revision

Upper Cretaceous (Turonian) decapod crustaceans from central New Mexico
E. K. Toolson and B.S. Kues
Journal of Paleontology

Other research

Continuing studies of Pennsylvanian-Permian strata and paleontology in NM; studies of Mississippian and Lower Permian brittle stars from south-central New Mexico; study of Atokan (Middle Pennsylvanian) invertebrate assemblages from the Sandia Formation in Jemez Mountains.

McFadden, Leslie D., Professor

Manuscripts in press or accepted for publication in refereed publications

Atmospheric CO2 concentrations during ancient greenhouse climates were similar to those predicted for A.D. 2100
Breecker, D., Sharp,Z., and McFadden, L.,
Proceedings of the National Academy of Sciences: doi:10.1073/pnas.0902323106

Geomorphology of the Pena Blanca Project
McFadden, L.D.
Chapter 6, in the Pena Blanca Archeology Project, New Mexico.

Cracks in desert pavement rocks: further insights into mechanical weathering by directional insolation
Eppes, M., McFadden L., Wegmann , K., and Scuderi, L.
Geomorphology.

New OSL ages provide evidence of MIS3 and MIS2 eolian activity on Black Mesa, northeastern Arizona, USA
Amy L. Ellwein' A,. Mahan' S., McFaddenL
Quaternary Research

Manuscripts submitted or in review

Rock type and dust influx produce nonsteady-state hillslope soils in the Sandia Mountains, New Mexico
Persico, L.P., McFadden, L.D., Frechette, J.D., Meyer, G.A.
Submitted to Geology.

Seasonal variations in the δ13C value of soil respired CO2 in mixed C3-C4 ecosystems from central New Mexico
Breecker, D. Litvak, M., Sharp, Z. and McFadden, L.,
Submitted to JGR- Biogeosciences.

Manuscripts in preparation

Cosmogenic nuclide dating of hoodoos and the determination of climatically-sensitive erosion of bedrock slopes
McFadden, L.D., Gosse, J., Meyer, G., McAuliffe, J., Burnett, B., Scuderi, L, Tillery, A., and Fawcett, P.
In progress, for Geology.

Unsuccessful Proposals

Development of a LIBS + Raman Instrument for Field-Based Geochemical Analyses
L.D., McFadden
National Science Foundation, $ 653,565

Currently active, unfunded research projects

Collaborative Research: The Role of Insolation in the Breakdown of Rock, National Science Foundation, M. Eppes, P.I., L. McFadden, one of several unfunded significant collaborators, 5/1/2009 – 4/33/ 2012.

Studies of the soils, geomorphology and Quaternary stratigraphy and ecology of the Blue Gap area and adjacent regions, Colorado Plateau, NW Arizona (with UNM colleagues G. Meyer, J. Galewsky, L. Scuderi, Tim Wawryzniec, E&PS graduate students, and J. McAuliffe, Desert Botanical Garden, Arizona).

Studies of soil geomorphic evolution of the landscapes of selected areas of the West Mesa in the Albuquerque area and central New Mexico in association with analysis of Paleoindian and later period archeological sites (with Dr. Bruce Huckell, UNM Anthropology Department.

Studies of the soils and geomorphic evolution of hillslopes of the western side of the Sandia Mountains and the Sevilleta Wildlife Refuge Area, central New Mexico (with G. Meyer, Scott Collins, Z. Sharp and E&PS graduate students).

Grant A. Meyer, Professor

Manuscript peer review (with completion da tes)

Geological Society of America Bulletin (2/2009)
The Holocene (11/2009)
Quaternary Research (12/2009)

New textbook in geomorphology by Paul Bierman and David Montgomery, WH Freeman 2010-2011

Papers in progress

The relation of Holocene fluvial terraces to changes in climate and sediment supply, South Fork Payette River, Idaho
Pierce, J.L., Meyer, G.A., and Rittenour, T.,
Quaternary Science Reviews, in review

Rock type and dust influx produce nonsteady-state hillslope soils in the Sandia Mountains, Geology,
Persico, L.P., McFadden, L.D., Frechette, J.D., and Meyer, G.A.,
In review

Hydraulic, geomorphic, and geochemical processes in floodplain contamination from a mine tailings dam failure
Meyer, G.A. and Watt, P.M.,
In preparation for Environmental and Engineering Geoscience

Unsuccessful proposal

Engineered Systems and Ecosystem Response in the Middle Rio Grande
J. Coonrod, PI; G. Meyer, co-PI
NSF Coupled Natural and Human Systems, ATM 0909506, 8/15/2009-8/15/2012 ($1,477,482)

Matthew Nyman, Assistant Professor/Lecturer

Research prjects in progress

Co-PI With Amy Ellwein on an in-service K-5 teacher professional development project funded by the New Mexico Public Education Department with Bernalillo Public Schools, Pathways II: Earth Science as a Pathway to Inquiry. This highly successful one-year project is in its final stages.

Submitted proposals

Pathways II: Earth Science as a Pathway to Inquiry
New Mexico Public Education Department (MNPED)
Status - awarded $100K, July 2009.

Unsuccessful proposals

Completed pre-proposal with Amy Ellwein submitted to NSF Discovery Research K12 Program, did not submit full proposal.

Collaborated with Dr Rouzbeh Allahverdi (Physics and Astronomy) on NSF career grant (unknonwn)

Collaborated on STAR NSF Grant with Dr. John T. McGraw (Physcis and Astronomy), unfunded.

Collaborated on NSF Research Experience for Teachers grant with Amy Ellwein, Dr. Abaye Daute (School of Engineering) and Dr. Deborah Evans (Chemistry), unfunded.

Aurora Pun, Lecturer III

Peer- Reviewed

Dust formation and evolution in a Ca-Fe-SiO-H2-O2 vapour phase condensation experiments and astronomical implications
Rietmeijer F.J.M., Pun A. and Nuth III J.A. (2009)
Monthly Notices Royal Astronomical Society, 396, Issue 1, 402-408.

Frans Rietmeijer, Research Professor

Manuscripts submitted

Pre-accretionary and parent body histories of a cometary aggregate particle
F.J.M. Rietmeijer
Icarus

Manuscript in preparation

Metastable equilibrium in the in the MgO-Al_2O_3-SiO_2 system.
F.J.M. Rietmeijer, and J.A. Nuth III

Detection of hematite and the presence of Fe-metal spheres in an interplanetary dust particle
G.M. Muñoz Caro, V. Souza-Egipsy, M.P. Valles-González and
F.J.M. Rietmeijer

Unsupported Research

DUSTER: The collection and analyses of solid aerosols in the stratosphere, Prof. A. Rotundi, University of Naples "Parthenope" (Italy)

Mousumi Roy, Associate Professor

Publications in preparation/revisions

Strafication of mantle fabric and anisotropy beneath strike slip plate boundaries
*Tetreault, J., M. Roy, J. Gaherty, A. *Ringler, *M. Fleharty, and L. Zhao,
In revision, Geochemistry Geophysics Geosystems, 2010.

The role of melting and melt segregation in the Cenozoic evolution of the Colorado Plateau
Roy, M. and B. Holtzman,
To be submitted to Geology in 2010

Post-Eocene erosion on the Colorado Plateau and implications for rock and surface uplift
Pederson, J., Roy, M., Kelley, S., and others
To be submitted to Tectonics in 2010

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Unsuccessful proposals

Collaborative Research: Rio Grande Rift II Integrated EarthScope Experiment, EAR-Earthscope Program

Other research projects in progess

Seismic anisotropy and its relation to crust-mantle coupling in the western US (with J. Gaherty and A. Lerner-Lam, Columbia University); (NSF-Earthscope; PIs: J. Gaherty, M. Roy, A. Lerner-Lam; ($118K to MR; 2006-08)

Melting and deformation surrounding continental keels (with A. Ringler, UNM, and B. Holtzman, Columbia University); NSF proposal funded, July 2010.

3D models of strike-slip fault systems using the code GALE (with L. Moresi, S. Quennette); in progress, 2010.

Crustal deformation measurements and a multidisciplinary geophysical investigation of the Rio Grande Rift (with A. Sheehan and S. Nerem, CU Boulder; A. Lowry, Utah State); *EAR*-Earthscope Program PIs: A. Sheehan, S. Nerem, A. Lowry, and M. Roy ($124K to MR, $605K total, July 2005-July 2010

Exhumation and surface uplift of the Colorado Plateau based on rock cooling and erosion (with J. Pederson)

Louis A. Scuderi, Associate Professor

In press

Tree Image Growth Analysis Using Instantaneous Phase Modulation. Pattern Recognition
Ramachandran, J., Pattichis, M.S., Scuderi, L.A., Baba, J.S.,
In revision, publication expected December, 2010.

Alluvial facies distributions in continental sedimentary basins- Distributive fluvial systems.
Weissmann, G.S., Hartley, A.J., Nichols, G.J. Scuderi, L.A., Olson, M., Buehler, H., Massengill, L.,
SEPM Special Paper, From Rivers to Rock Record, in press.

Fluvial form in modern continental sedimentary basins: Distributive fluvial systems
Hartley, A.J., Weissmann, G.S., Nichols, G.J., Scuderi, L.A.,
REPLY. Geology, in press.

In preparation

Comparison of MODIS and COSPEC based estimates of SO2 plumes: Anatahan, Marianas Islands.
Meier, V.L., Realmuto, V., Scuderi, L.A. and Fischer, T.
To be submitted to Journal of Volcanology and Geothermal Research.

Climatology of Forest Boundaries at an Inverted Tree line: JB Plain, Victoria, Australia.
Scuderi, L.A.
To be submitted to Arctic, Antarctic and Alpine Research.

Recent change in water use efficiency and enhanced tree growth at upper altitude sites in the western United States.
Scuderi, L.A., Lohmann, M.
To be submitted to Science.

Manuscripts in Review

Field evidence for multiple factors forming the highest sand dunes on Earth.
Yang, X., Scuderi, L., Liu, T., Paillou, P., Li, H., Dong, J., Zhu, B., Jiang, W., Jochems, A., Weissmann, G.,
In review, Nature Geoscience, 2010.

Spatial and Temporal evolution of a large-scale avulsion on the Taquari River Distributive Fluvial System.
Buehler, H., Weissmann, G.S., Scuderi, L.A., Hartley, A.,
In revision, Journal of Sedimentary Research, 2010.

Jane Selverstone, Professor

Manuscripts in review/revision/near submission

Fluid compositional control on pre-seismic microcracking in subducting slabs,
Selverstone, J. and Brearley, AJ,
Nature Geoscience, in review.

Fault localization controlled by fluid infiltration into mylonites: Implications for the initiation and strength of low-angle normal faults.
Selverstone, J, Axen, GJ, Woodruff, W, Michelsen, K, and Luther, A,
In preparation.

Zachary Sharp, Professor

Manuscripts submitted or in press

Hanley, J.J., Ames, D.E., Barnes, J.D., Sharp, Z.D. and Guillong, M. Interaction of magmatic fluids and silicate residues with saline groundwater in the footwall of the Sudbury Igneous Complex, Ontario, Canada: new evidence from bulk rock geochemistry, fluid inclusions and stable isotopes. Chem. Geol. (in press).

deMoor, J.M., Fischer, T.P., Sharp, Z.D., Hauri, E., Hilton, D.R. and Atudorei, V. Sulfur isotope fractionation during the May 2003 eruption of Anatahan volcano, Mariana Islands: Implications for sulfur sources and plume processes. Bull. Volcan. (submitted).

Pending proposals

EAGER: Measurement of theOxygen and Hydrogen Isotope Composition of Evaporating Water Using a Novel Cavity Ring-Down Technique
03/15/10; $132,700.00

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Gary A. Smith, Professor

Manuscripts in preparation

Experimental study of interacting drainages in a sedimentary basin: surface morphology
Sean D. Connell*, Wonsuck Kim, Chris Paola, and Gary A. Smith
To be submitted to Journal of Sedimentary Research

Experimental study of interacting drainages in a sedimentary basin: stratigraphic architecture and sediment transport
Sean D. Connell*, Wonsuck Kim, Gary A. Smith, and Chris Paola
To be submitted to Journal of Sedimentary Research

Sequential downstream integration of the Rio Grande through adjacent rift basins
Sean Connell* and Gary A. Smith
To be submitted to Geology

Characterization of a volcanism-impacted, overfilled continental rift basin within the southeastern Jemez Mountains, New Mexico
Ashley E. Edelman* and Gary A. Smith
To be submitted to Basin Research

Publications in press

Climatic controls on nonmarine depositional sequences in the Albuquerque basin, Rio Grande rift, north-central New Mexico
Sean Connell*, Gary A. Smith, John W. Geissman, and William C. McIntosh
New Perspectives on the Rio Grande rift: From tectonics to groundwater, edited by Mark R. Hudson, and V.J. S. Grauch
Geological Society of America Special Paper

Syndepositional deformation and provenance of Oligocene to Early Miocene sedimentary rocks along the western margin of the Rio Grande rift, Jemez Mountains, New Mexico
Shari A. Kelley, Kirt A. Kempter, William C. McIntosh, Florian Maldonado, Gary A. Smith, Sean D. Connell*, Daniel J. Koning, Jennifer Whiteis
New Perspectives on the Rio Grande rift: From tectonics to groundwater, edited by Mark R. Hudson, and V.J. S. Grauch
Geological Society of America Special Paper

Other publications (not peer reviewed)

Investigating How Earth Works, Physical Geology Lab Manual
G. A. Smith and A. Pun
159 p., 2009

Unsuccessful proposal

Teacher Development for Student Success in Gateway Mathematics
G.A. Smith
National Insitutes of Health
October 2009-September 2010
$179,433

Gary Weissmann, Associate Professor

Perr-reviewed articles in press

Anisotropic transport rates in heterogeneous porous media
Engdahl, N.B., and Weissmann, G.S.,
Water Resources Research, in press.

Distributive fluvial systems: characteristics, distribution, and controls on development
Hartley, A.J., Weissmann, G.S., Nichols, G.J., and Warwick, G.L.,
Journal of Sedimentary Research, in press

Heterogeneity effects on river loss within a transition robability framework
Engdahl, N.B., Vogler, E.T., and Weissmann, G.S.,
Water Resources Research, in press.

Fuvial form in modern continental sedimentary basins: the distributive fluvial system (DFS) paradigm
Weissmann, G.S., Hartley, A.J., Nichols, G.J., Scuderi, L.A., Olson, M., Buehler, H., and Banteah, R.,
Geology, in press.

Stratigraphic record of drainage basin stream capture and piracy in fluvial fan deposits at the Lawrence Livermore National Laboratory, in the Livermore Basin, California, USA.
Mikesell, L.R., Weissmann, G.S., and Karachewski, J.A.,
Geomorphology, in press.

On-going research projects

Detailed aquifer characterization using lidar and high-resolution sedimentologic description. Funded through SURP and DOE-BES grants listed above. Collaboration with Tim Wawrzyniec. Several presentations completed during 2009 and revisions of Nichols et al. and Klise et al. based on these results.

Geochemical and physical aquifer property heterogeneity: a mult-scale sedimentologic approach to reactive solute transport. Funded by DOE (listed above). We are collaborating with Richelle Allen-King (University of Buffalo) and several scientists at the Pacific Northwest National Laboratory to evaluate the influence of physical and geochemical heterogeneity on movement of a carbon tetrachloride plume at the Hanford Site, Washington.

Fluvial depositional models in active continental sedimentary basins. This research is working to change the current paradigm for fluvial facies models, proposing that the current models are flawed since they were not developed in active sedimentary basins. Collaboration with A. Hartley (University of Aberdeen), G. Nichols (Royal-Holloway, London), and L. Scuderi (UNM). We expect to submit additional proposals for this work.

Manuscripts submitted or in preparation

Alluvial facies distributions in continental sedimentary basins – distributive fluvial systems,
Weissmann, G.S., Hartley, A.J., Nichols, G.J., Scuderi, L.A., Olson, M., Buehler, H., and Massengill, L.,
Submitted to SEPM Special Publication on Rivers to Rock Record, 2009, in review.

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Processing of outcrop-based lidar imagery to characterize heterogeneity for groundwater models, Nichols, E.M., Weissmann, G.S., Wawrzyniec, T.F., Frechette, J.D., and Klise, K.A., Submitted to SEPM Special Publication on Outcrop Analogs, 2008, in revision.

Outcrop-based GPR tomography through braided stream deposits
Rust, G.L., Weissmann, G.S., Werban, U., Frechette, J.D., and Wawrzyniec, T.F., Submitted to SEPM Special Publication on Outcrop Analogs, 2008, in revision.

5. ACTIVITIES IN PROFESSIONAL SOCIETIES

Adrian Brearley, Professor

Professional meetings attended

40th Lunar and Planetary Science Conference, March 23-27, 2009. The Woodlands, Texas. Presented talk, coauthored 2 talks, chaired session.

72nd Annual Meeting of the Meteoritical Society, July 13-18, 2009 in Nancy, France.

Presentations at professional meetings.

40th Lunar and Planetary Science Conference, March 23-27, 2009.

Presented talk 'Matrix Olivines in the Metamorphosed CK Chondrite NWA 1628: Possible Affinities to Olivines in the Matrices of Oxidized CV3 Chondrites and Dark Inclusions'.

Coauthored talk with Jana Berlin 'Identification of FeO-rich Relict Olivines in Type IIA Chondrules Using Fe-Mn Systematics'

Coauthored talk with Mark Tyra, 'Carbonate Formation Timescales Vary Between CM1 Chondrites ALH84051 and ALH84034.'.

72nd Annual Meeting of the Meteoritical Society, July 13-18, 2009 in Nancy, France.

Presented talk 'Mechanisms of Aqueous Alteration of Type IIA Chondrule Glass in the CR Chondrite EET 92105: Insights from FIB/TEM Analysis'.

Presented poster 'Evaluation of Progressive Alteration Models for CM Chondrites: Insights from Quantitative Modal Analysis by QEMSCAN'.

Other activities

Associate Editor, Meteoritics and Planetary Science
Chair, Meteoritical Society Nominations Committee (2009)

Laura J. Crossey, Professor

Presentations at professional meetings.

Invited departmental seminar (with K. Karlstrom) at University of Montana, February 22-24.
Gave Invited Keynote Address 'Making a World of Difference' at NM State AMP Meeting, Las Cruces, NM, February 25.
Filming at Grand Canyon for NPS movie about Grand Canyon, February 28-March 1.
Talk at Ernie Pyle middle school to student assembly (~250 students), March 9.
NMGS meeting, April 24.
FLC institute, May 19-20.
Hydrologic Sciences Review Panel, Washington, D.C., March 27-30.

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Joint Annual Meeting with LSAMP BD Fellows, Washington, D.C., June 6-10.
Attended EarthScope science planning wortkshop- Salt Lake City, October 6-8.
Presenter at EarthScope Education and Outreach workshop in Albuquerque, October 25-28.
Invited talk at University of Oklahoma (with K. Karlstrom) and water/gas sampling, October 28-30.
December 13-18- AGU meeting, San Francisco, CA.

Society Committeees

Association for Women Geoscientists (lecturer (since 1989))

Maya Elrick, Associate Professor

Editorial board

Journal Sedimentary Research (2005-2009)
GSA Bulletin (2009-2011)
Geology (2006-2009)

Invited talks

Rutgers University Fall, 2009
UNM Gallup Spring Fall, 2009

Amy Ellwein, Lecturer III, Natural Science Program

Membership

Geological Society of America, the American Geophysical Union, The Society for College Science Teachers, The National Science Teachers Association, the National Association of Geoscience Teachers, the New Mexico Geological Society, and the Association for Women Geologists.

Peter J. Fawcett, Associate Professor

Professional meeting attended

American Geophysical Union, Fall Meeting, San Francisco, CA., December.

Tobias Fischer, Associate Professor

Professional societies

Associate editor of GSA Bulletin
Member of editorial board for Journal of Volcanology and Geothermal Research
Member of editorial board for Colombian Journal of Geology
Guest editor (2009/2010): Bulletin of Volcanology Special issue in honor of Yuri Taran

Joseph Galewsky, Assistant Professor

Meetings attended

European Geosciences Union Meeting, Vienna, April 2009
Tri-State EPSCoR Meeting, Boise, Idaho, April 2009
Fall American Geophysical Union Meeting, December 2009
Fifth Symposium on Southwest Hydrometeorology, Albuquerque, September, 2009

Special sessions convened

Burbank, D., J. Galewsky, and G. Roe, Orographic Rainfall: Observations, Models, and Implications for Landscape Evolution, Fall AGU Conference, San Francisco, 2009.

Invited presentations at professional meetings

Galewsky, J. Feedbacks between climate change, surface processes, and extreme convective precipitation events, AGU Fall meeting, San Francisco, December 2009.

Galewsky, J. Integrating atmospheric and surface process models, AGU Fall meeting, San Francisco, December 2009.

Galewsky, J. Orographic clouds in terrain-blocked flows: An idealized modeling study, Fifth Symposium on Southwest Hydrometeorology, Albuquerque, September, 2009.

John W. Geissman, Chair and Professor

Professional societies

Member, Advisory Board, Building Stronger Geoscience Departments
Member, Council of the Geological Society of America
Chair, Publications Committee, Geological Society of America
Associate Editor, Tectonics, 2004 to present
Science Editor, Eos, American Geophysical Union, 2000 to present-
Member, American Geophysical Union "Committee of 50"
University of New Mexico representative, DOSECC, Inc.
Geoscience "consultant", Albuquerque Petroglyphs, U.S. Park Service
Member, New Mexicans for Science and Reason, and Technical Consultant
Member, Coalition for Excellence in Science Education
Consultant, National Center for Science Education
Member, Earthscope Education and Outreach Committee

David Gutzler, Professor

Session Co-chair

American Geophysical Union Fall Meeting, San Francisco CA, Dec.

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Rhian H. Jones, Associate Professor

Talks presented

"Plagioclase in Type 4–6 ordinary chondrites: An indicator of metamorphic processes. 72nd Meteoritical Society Conference, Nancy, France. July 2009.

Council Member, Meteoritical Society. 2007 – present. Attended council meetings in Houston, TX, March 2009 and Nancy, France, July 2009.

Professional societies

Associate Editor, "American Mineralogist", 2005 – present.

Karl E. Karlstrom, Professor

Professional societies

Geological Society of America:
Bulletin senior science editor until June, 2009 and member of the Publications Committee, fieldtrip leader, topical session convener, and invited speaker

Barry S. Kues, Professor

Professional societies

New Mexico Geological Society:
Vice President (attended four Executive Committee meetings); Publications Committee; Scholarship Committee.
Member, NMGS Foundation Board.
Attended annual Fall Field Conference, spoke at one stop during conference.

Leslie D. McFadden, Professor

Professional meetings attended

Geological Society of America Annual Fall Meetings (October, 2009)

Grant A. Meyer, Professor

Invited talks

"Hard-Rock Mining and Streams in Northeastern Yellowstone": The Nature Conservancy Seminar Series, Flat Ranch Visitor Center, Idaho, August 12, 2009.

Grant proposal review

NSF Geomorphology and Land-Use Dynamics Program, Panel Member, November 4-6, 2009
Also, reviewed 3 proposals for NSF Geomorphology and Land-Use Dynamics Program, Fall 2009

Meetings attended

Geological Society of America Annual Meeting, Portland, OR., Oct. 18-20, 2009.

Matthew Nyman, Assistant Professor/Lecturer

Membership

Geological Society of America
American Geophysical Union
Society for College Science Teachers
The National Science Teachers Association
National Association of Geoscience Teachers

Frans Rietmeijer, Research Professor

Professional papers read

"The inheritance of non-equilibrium mineral formation", The 2nd International Symposium "Interface Mineralogy" in conjunction with the 2nd International workshop "Crystallization in the early solar nebula 4.6 billion years ago (INVITED)

Professional meetings attended

The 2nd International Symposium "Interface Mineralogy" in conjunction with the 2nd International workshop "Crystallization in the early solar nebula 4.6 billion years ago"

Mousumi Roy, Associate Professor

Professional meetings attended

CIG Workshop on Mantle convection and long-term tectonic modeling (Roy, Fleharty) – July 2009
AGU Fall Meeting (Roy) – Dec., 2009
CIG GLADE Meeting, La Jolla, 2010
Explore New Mexico with EarthScope, NSF Earthscope Workshop, Sept, 2009

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Louis A. Scuderi, Associate Professor

Presentations at professional meetings

Scuderi, L.A. and M. Lohmann, 2010. "Evaluating links between climate change and recent enhanced tree growth at upper altitude sites in the western United States". Global Change and the World's Mountains, Perth, Scotland, UK, 26-30 September 2010.

Scuderi, L.A., and M. Lohmann, 2010, Recent Enhanced Tree Growth at Upper altitude Sites in the Western United States: Links to Water Use Efficiency". MTNCLIM 2010- Mountain Climate Research Conference, Blue River, Oregon, June 7-10, 2010.

Scuderi, L.A., Yuhas, A., Litvak, M., 2009. "Geomorphologic impacts of vegetation stress and dieoff: Evaluation of vulnerable ecosystems in Southwestern North America" 7th International Congress on Geomorphology, Ancient Landscapes – Modern Perspectives, Melbourne, Australia, July 6-11, 2009

Scuderi, L.A., Yuhas, A., McFadden, L., McAuliffe, J., 2009. "Quantifying the impacts of climatic variability on small catchments: Colorado Plateau, southwestern United States". 7th International Congress on Geomorphology, Ancient Landscapes – Modern Perspectives, Melbourne, Australia, July 6-11, 2009

Weissmann, G.S., Hartley, A.J., Nichols, G., Scuderi, L.A., Olson, M., Buehler, H., Banteah, R. , 2009. The Distributary Fluvial System (DFS) Paradigm: Re-evaluating Fluvial Facies Models Based on Observations From Modern Continental Sedimentary Basins. From River to Rock Record Conference, University of Aberdeen, 12-14 January 2009, Aberdeen, Scotland UK.

Buhler, H., Weissmann, G., Scuderi, L., 2009. The ongoing avulsion of the Taquari River – An example of nodal avulsion on a distributive fluvial system. Geologic Society of America, Annual Meeting, Portland, Oregon, October 2009.

Olson, M.E., Weissmann, G.S., Hartley, A.J., Scuderi, L.A., 2009. "Channel Bifurcation and Slope on Braided Distributive Fluvial Systems". Geologic Society of America, Annual Meeting, Portland, Oregon, October 2009.

Roberts, L., McFadden, L.D., McAuliffe, J.R., Meyer, G., Scuderi, L., and Wawrzyniec, T., 2009. "Biogeomorphology and Soil Geomorphology of Small Semi-Arid Basins, Northeastern Arizona: Influences of Topoclimate and Climate Variation". Geologic Society of America, Annual Meeting, Portland, Oregon, October 2009.

Journal Editor

Guest Editor Quaternary Research
Special Issue: Inner Mongolia

Jane Selverstone, Professor

Professional societies

Member, Editorial Board for Geology, Geological Society of America
Member, Committee on the Young Scientist Award, Geological Society of America 2009-2012
Member, selection committee for Dana Medal, Mineralogical Society of America

Zachary Sharp, Professor

Editorship

American Journal of Science

Boards/committees

MSA award committee

Gary A. Smith, Professor

Invited presentations

Understanding Science 101
KNME Science Café
Albuquerque, New Mexico, August 29, 2009

Strategies for Connecting Learning with Students' Motivation
Mountain States Conference on the Teaching of Psychology
Colorado Springs, Colorado, September 26, 2009

See Saws and Ruptured Hinges: The Sedimentologic and Hydrogeologic Significance of the Ups, Downs, and Tilts of Northern Rio Grande Rift Basins
New Mexico State University, Department of Geological Sciences
Las Cruces, New Mexico, November 11, 2009

Gary Weissmann, Associate Professor

Meetings attended

Rivers to Rock Record – Aberdeen, Scotland, January, 2009, invited keynote speaker.
7th Washington Hydrogeology Symposium, Tacoma, WA – April 2009, invited keynote speaker and workshop instructor.
American Association of Petroleum Geologists Annual Meeting, Denver, CO – June, 2009.
27th Biennial Groundwater conference and 18th Annual Meeting of the Groundwater Resources Association of California – Sacramento, CA, October 2009, invited speaker.
Geological Society of America National Meeting – Portland, OR, October, 2009.
American Geophysical Union, Fall Meeting – San Francisco, CA, December 2009.

Manuscript reviews conducted for

Ground Water
Vadose Journal

Proposal reviews

National Science Foundation – Hydrology division.

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Associate Editor

Associate Editor – Journal of Sedimentary Research
Associate Editor – Groundwater.
Associate Editor – Environmental Geosciences
Sedimentary Geology
Water Resources Research
Journal of Sedimentary Research

Other

GSA Hydrogeology Division liaison to SEPM.

6. OTHER PROFESSIONAL ACTIVITIES

Adrian Brearley, Professor

Reviews

Reviewed scientific papers submitted to Meteoritics and Planetary Science (4), Geology (1), American Mineralogist (2)
Reviewed 4 proposals submitted to NASA Cosmochemistry Program.
Reviewed 1 proposals submitted to NASA NAI DDF Program
Reviewed 1 proposal submitted to NASA Planetary Geology and Geophysics Program
Reviewed 2 proposals submitted to the NASA Laser program

Other professional activities.

Member, NASA Stardust Curation Review Committee (2009-2010)

Laura J. Crossey, Professor

Manuscripts/Reviews

Geology (1)
GSA Bulletin (4)

Proposals

National Science Foundation (5): Hydrologic Sciences, Inst. & Facilities, Low-T Geochemistry
NSF Review Panel: Hydrologic Sciences
NASA Astrobiology Panel: 2009-2010.

Other professional activities

National Science Foundation, Hydrologic Sciences Panel, 2006-2009.
NM Math & Science Advisory Council, 2007-2010.
New Mexico Geological Society Foundation Board, Treasurer, 2007-2010
External Review Board, Montana State University Geomicrobiology IGERT, 2009-2010.
President-elect, New Mexico Academy of Sciences, 2009.

Maya Elrick, Associate Professor

Journal and grant reviews

(outside of Editorial board duties):
Palaeogeography, Palaeoclimatology, Palaeoecology
GSA Bulletin
NSF (2)

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Amy Ellwein, Lecturer III, Natural Science Program

Reviews

Reviewed several NSF proposals submitted to the GeoEd Program
Reviewed inquiry-based web curriculum developed by US Satellite Laboratory, Inc. for high school students
Reviewed a section on soils for the textbook Earth Materials for Dr. Cornelius Klein

Other professional activities

SEIS: Founding board member of the Science Education Institute of the Southwest (SEIS). SEIS is a science education collaborative that includes personnel from UNM, Sandia National Laboratories, the New Mexico Museum of Natural History and Science, the Albuquerque BioPark, and local school districts.

Program Development:
Developed several science education professional development projects for teachers including
Summer 2009 and 2010 SEIS classes
Summer 2009 and 2010 SEIS Museum Teaching Fellowships
Summer 2009 and 2010 SEIS Science Research Fellowships

Peter J. Fawcett, Associate Professor

Reviews

Reviewed several NSF proposals submitted to the GeoEd Program
Reviewed inquiry-based web curriculum developed by US Satellite Laboratory, Inc. for high school students
Reviewed a section on soils for the textbook Earth Materials for Dr. Cornelis Klein

Tobias Fischer, Associate Professor

Reviews

5 NSF proposals and 6 scientific manuscripts for JVGR, Bull. Volc. Geochim. Comsochim Acta

Meeting organization/session chair

Session chair ('Volcanism in the East African Rift') at AGU Fall Meeting 2009

Off campus talks

Key note: East African Rift conference, Trieste Italy August 2009
Seminar speaker: New Mexico Tech Nov. 2009; Cascades Volcano Observatory March 2010

Mainz, Germany: public lecture on CO_2, Volcanoes and climate as part of lecture series on Earth's climate change through time sponsored by U of Mainz and Max Planck Institute. Sept. 2009.

Joseph Galewsky, Assistant Professor

Reviews

Reviewed 2 proposals for National Science Foundation.
Reviewed papers for Geophysical Research Letters, 2 papers for Journal of Geophysical Research.

Off-campus talks

Invited seminar at the University of Colorado, Boulder, October 2009.

Other professional activities

Member of the Terrestrial and Cyberinfrastructure Working Groups for Community Surface Dynamics Modeling System (CSDMS), 2007-present.
Panel member, NRC Research Associateship Program, 2008-present.
2009 American Meteorological Society Summer Policy Colloquium, fully-funded participant representing minority-serving institution

John W. Geissman, Chair and Professor

Reviews of manuscripts and proposals

Reviewed proposals for National Science Foundation (14), American Chemical Society (1), The Third World Academy of Sciences (2).

Reviewed manuscripts for Journal of Geophysical Research (2), Earth and Planetary Science Letters (3), Tectonics (1), Canadian Journal of Earth Science (2), Geophysical International (2), Geology (1), Geoarcheology (1), New Mexico Geological Society (1), American Mineralogist (1).

Professional talks:

Earthscope Science Café, September 23rd, Deming, NM

Other professional activities

Adjunct or associate-type positions at other institutions: Adjunct Full Professor, University of Michigan, Ann Arbor
Technician (half-time), UNM Paleomagnetism and Rock Magnetism Laboratory

David Gutzler, Professor

Manuscript reviews

J. Climate (2), J. Geophysical Research (1), J. Hydrometeorology (1), Intl. J. Climatology (1), EOS (1), Climate Dynamics (1), World Meteorological Organization (1), Springer Publishing (textbook review, 1).

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Grant proposal reviews (other than review panel assignments)

Grant proposal reviews (other than review panel assignments): National Science Foundation (1), NOAA (2).

Proposal review panel

Los Alamos National Lab. Institute for Geophysics & Planetary Physics Program, June.

Other professional activities (Invited presentations to professional audiences)

Climate change and Albuquerque's future: Potential effects on natural resources and urban growth, New Mexico Decision Makers Conference, Albuquerque, May 21.

Climate change and New Mexico agriculture, Middle Rio Grande Council of Governments, Albuquerque, Jul 8.

Planning for climate change, American Planning Association conference, Albuquerque, Nov 5.
World Meteorological Organization: Monsoons Panel (member).

NOAA Climate Prediction Program for the Americas: Scientific Steering Committee (member).
Tenure and Promotion review letter, University of Utah, Sep 4.

Meeting Organizer, Fifth Symposium on Southwest Hydrometeorology, Albuquerque, Sept. 30-Oct 1.

Rhian J. Jones, Associate Professor

Reviews

Manuscript for Meteoritics and Planetary Science (1)
Manuscript for Earth and Planetary Science Letters (1)
Proposals for NASA / Cosmochemistry Program (4)
Proposal for Science and Technology Facilities Council (STFC), U.K. (1)
Proposal for Leverhulme Trust, U.K. (1)

Karl E. Karlstrom, Professor

Other professional activities

Editorial Board for Precambrian Research, 1990 to present.
New Mexico Geologic Mapping Advisory Board, 1999 to present.
Science editor for Geological Society of America Bulletin – 4th year of 4-year term. This job required about 10-12 hours per week for the first half of 2009.
Aspen Anomaly workshop convener (CREST and LANL as sponsors)
Convener for Trail of Time weekly conference calls and occasional workshops
Invited speaker for several topical sessions at GSA National Meeting, Denver, Colorado and AGU meeting
Received the GSA Distinguished Service award for editorships of GSA Today and GSA Bulletin (2009)
Fellow of the Geological Society of America, 2010- present

Member of Nominating Committee for EarthScope Science Committee (2010-present)
Member of USArray Advisory Committee (USAAC) (2010- present)
October 6-8 Attended EarthScope science planning wortkshop- Salt Lake City
October 25-28- co-led EarthScope Education and Outreach workshop in Albuquerque
October 28-30- Invited talk at U Oklahoma (with LJC) and water/gas sampling

Review activities

NSF proposals
Geology
GSA Bulletin
Precambrian Research

Barry S. Kues, Professor

Editorial duties

Editorial Board, New Mexico Geology.

Reviews

Reviewed: part of Master's thesis, Ana Escalante, Autonomous University of Mexico

Other professional societies

Associate Curator, N.M. Museum of Natural History.
Research Associate, N.M. Bureau of Geology and Mineral Resources.
Hosted visits by Professors Thomas Kammer (University of West Virginia), William Ausich (Ohio State University), and doctoral student Beth Rehnburg (UWV) for Mississippian crinoid field studies (March 14-18).
Presented "Voices in Science" lecture "The top 10 most important fossil deposits in New Mexico", N.M. Museum of Natural History and Science, July 21.

Leslie D. McFadden, Professor

Peer reviews of articles and proposals

Reviewed 1 paper for EOS
Reviewed 1 paper for Quaternary Research
Reviewed 1 paper for Geology
Reviewed 1 proposal for the Kearney Foundation

Editorial activity and other service to the profession

Reviewed Candidate in Department of Earth Sciences at the University of Nevada, Las Vegas, for promotion to full Professor.

Served as reviewer for a chapter in NSF-supported development of a new textbook in surficial processes and geomorphology.

Provided letter of support for successful candidate for the Farouk el-Baz Award for Desert Research, given by the Quaternary Geology and Geomorphology Division of the Geological Society of America.

On-campus professional activity

Served at Co-PI of the NSF – supported New Mexico PAID Program, UNM is part of the PAID Alliance, which includes NMSU, NMT and LANL.

Participant, Mentoring Conference, sponsored by the UNM Mentoring Institute, October, 2009

Helped in development and review of large ADVANCE IT proposal ($4.3 million) to address issues related to STEM diversity in academia at UNM, submitted to NSF in 11/2009.

Off-campus professional activity

Presented lecture to the Ghost Ranch Summer Program Archeology Class.

Grant A. Meyer, Professor

Undergraduate student mentoring

Joshua Faulconer, research on geologic and geomorphic controls on tributary fans, Rio Chama, NM.

Matthew Nyman, Assistant Professor/Lecturer

Reviews

Served on review panel for NSF Noyce Fellowship Proposals
Reviewed two papers for EOS
Reviewed Earth Materials textbooks for Dr. Kase Klein
Reviewed Earth Science textbook for Ms Cynthia Brown

Advisory Panels

Served on NSF-fund GARNET advisory panel responsible for reviewing results and documents.
Served on advisory panel for Bernalillo County Open Space Master Naturalist program
Served on advisory panel for NCATF project in 3 high school in Albuquerque Public School district

Program Development

Developed several science education professional development projects for teachers including
Summer 2009 anad 2010 SEIS classes
Summer 2009 and 2010 SEIS Museum Teaching Fellowships
Summer 2009 and 2010 SEIS Science Research Fellowships

Website development

Developed website for Science Education Institute of the Southwest

Curriculum Development

Developed climate change curriculum for Earth System Science Education Alliance

Other professional activities

C0-Director of Science Education Institute of the Southwest (SEIS):
SEIS is a science education collaborative that includes personnel from UNM, Sandia National Laboratories, the New Mexico Museum of Natural History and Science, the Albuquerque BioPark, and local school districts.

Frans Rietmeijer, Research Professor

Peer review of scientific papers

Nature (1)
Meteoritics and Planetary Science (2)

Proposal reviews

NASA Laboratory Analyses of Returned Samples Astrobiology (LARS) Program (1)

Professional Services

Volunteer Foreign Language Editor for American Geophysical Union

Other professional activities

Member of the NASA Astrobiology Science and Technology
instrument Development and Mission Concept Studies Program
Panel Review (ASTID), Washington (DC)

Mousumi Roy, Associate Professor

Invited talks

Invited talk at the CIG Workshop, La Jolla, CA, July 2010.
University of Texas at El Paso, Geoscience colloquium, Dec 2009
Explore New Mexico with EarthScope, NSF Earthscope Workshop, Sept, 2009

Other professional service

Reviewed 7 proposals for NSF
Nominated to the Executive Committee for the NSF Center for Computational Geodynamics (will stand for election, Fall 2010)
Co-Chair, Long-term tectonics working group, Computational Infrastructure for Geodynamics (CIG rotated off in Jan 2009)
CIG-*NSF* Committee for Future of Geodynamics, Fall 2009

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Louis A. Scuderi, Associate Professor

Journal Review

Quaternary Research
Canadian Journal of Forestry
Geophysical Research Letters
Geofiska Annaler
International Journal of Remote Sensing
Remote Sensing of Environment,
Natural Hazards and Earth System Science
Earth Interactions
Swiss Journal of Geosciences
Quaternary International

Review for National Funding Organizations

National Science Foundation
Cyberinfrastructure
Earth Sciences
Environmental Biology

National Geographic Society
Grants in Research

Jane Selverstone, Professor

Manuscripts reviewed

Manuscripts reviewed (9 total): Science, Mineralogy and Petrology, Tectonics, Eos, Contributions to Mineralogy and Petrology, Geology Journal of Mineralogical and Petrological Sciences.

Proposals reviewed

Proposals reviewed (4 total): NSF Geophysics Program, NSF Geochemistry & Petrology Program, NSF Tectonics Program, Austrian Science Fund.

Reviewer

Member of External Review Panel, HRXCT laboratory, University of Texas, Austin.
Textbook reviewer for Oxford University Press.
External Reviewer for tenure case, New Mexico Tech.

Other professional activities

Member of Editorial Board for Geology, Journal of Metamorphic Geology.

Zachary Sharp, Professor

Reviewed papers for international refereed journals

Review approximately 1 paper per month.

Reviewed proposals

NSF (review NSF proposals for I&F and EAPSI panel. These total well over 100/year)
NASA, 3.

Invited lectures

Darwin Days Lecture, UNM
University of Alberta
Arizona State University

Conference

AGU Annual Fall Meeting
LPSC meeting
GSA Annual Meeting Portland

Gary A. Smith, Professor

Reviews

Reviewed manuscripts for: Geological Society of America Bulletin, Journal of Sedimentary Research, EOS (2).

Other professional activities

Research Associate, New Mexico Bureau of Geology and Mineral Resources.

Gary Weissmann, Associate Professor

Invited presentations

Keynote address: The distributary fluvial systems (DFS) paradigm: re-evaluating fluvial facies models based on observations from modern continental sedimentary basins: Rivers to Rock Record meeting, Aberdeen Scotland, January 12-14, 2009.

Keynote address: The influence of heterogeneity at multiple scales on groundwater flow and contaminant transport: 7th Washington Hydrogeology Symposium, April 28-30.

Workshop: Subsurface Heterogeneity: Why it's important, why we usually ignore it, and what to do about it: 7th Washington Hydrogeology Symposium, 4 hour workshop, April 30.

Glacially-driven stratigraphic sequence development in the San Joaquin Valley fluvial fans and potential implications for artificial recharge projects: 27th Biennial Groundwater conference and 18th Annual Meeting of the Groundwater Resources Association of California, October 7.

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7. NON-TEACHING UNIVERSITY SERVICE

Adrian Brearley, Professor

Departmental service

Member, Faculty Senate

University service

Director, Earth and Planetary Sciences Transmission Electron Microscope, Focused Ion Beam and X-ray Diffraction Laboratories
Trained numerous users in the use the new Quanta 3D FEGESEM/FIB. Developed all procedures for use of instrument. Wrote training manuals for SEM use and TEM sample preparation.
Co-Associate Chair, Department of Earth and Planetary Sciences.
Member, Departmental Undergraduate Committee
Member – Departmental Facilities Committee

Laura J. Crossey, Professor

Department committee

Undergraduate Advisor: E&PS BS/BA, Environmental Science BS
Undergraduate Honors Advisor
Undergraduate Committee
Facilities Committee

College of Arts and Sciences

A&S Committee on Math and Science Education for Teachers

Maya Elrick, Associate Professor

Departmental committees

Undergraduate Committee
Undergraduate Scholarship Committee Chair (for D. Gutlzer)
Graduate Admissions Committee

University service

STEM junior faculty mentoring (UNM PAID program)
STEM female faculty meetings/mentoring (UNM PAID program)

Amy Ellwein, Lecturer III, Natural Science Program

University service

Designed and planned the Natural Science Program classroom and offices for the Science and Math Learning Center with M. Nyman.

Wrote decadal report for Natural Science Program for Earth and Planetary Science faculty and Dean of College of Arts and Sciences with M. Nyman.

Department

Wrote 10 letters of recommendation for students as they've applied to the College of Education or applied for scholarships.

Peter J. Fawcett, Associate Professor

Department

Graduate Advisor
Chair (Fall 09), Member (Spring 09) Graduate Committee
Chair (Spring 09), Member (Fall 09) Faculty Awards Committee
Member, Computer Committee
Member, Faculty Productivity Assessment Committee
Member, Ad Hoc Committee on Lecturer Voting Rights
Environmental Science Course Equivalency Checks

Tobias Fischer, Associate Professor

Departmental

Member: Graduate committee, Awards committee, Instrumentation committee
Coordinator, UNM-LANL Volcanology Program

University

Member: Research Allocations Committee (RAC)
Member: Academic Freedom and Tenure Committee

Joseph Galewsky, Assistant Professor

Departmental

E&PS Computer Committee (Chair)
E&PS Undergraduate Committee
UNM Environmental Sciences Undergraduate Adviser
Faculty representative to Caswell Silver Foundation Board

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John W. Geissman, Chair and Professor

University service

Chair, UNM Honorary Degree Committee, 2008-09

Departmental

Department Faculty Productivity Assessment Committee

Special projects

Administrative Positions; Chair, Department of Earth and Planetary Science, July, 2007-

Other Service

Secretary, Caswell Silver Foundation Board

David Gutzler, Professor

Department service

Computer committee: Spring, Fall
Undergraduate committee: Spring, Fall (Chair)

University service

UNM Water Resources Program: Program committee, Spring, Fall.
A&S Outstanding Teaching Award selection committee, Spring.
UNMLIVE YouTube interview on climate research, Jul 17.
UNM Physics and Astronomy Dept. colloquium speaker, "The physical basis for climate change science", Aug 28.
UNM Law School Water Law Seminar speaker: "Climate change: Local impacts and forecast for New Mexico", Nov 6.

Rhian H. Jones, Associate Professor

Departmental service

Member of Graduate Committee (Spring, Fall 2009)

Karl E. Karlstrom, Professor

Departmental

E&PS vehicle coordinator
Faculty Senate Graduate Committee
Arts and Sciences Senior Promotion and Tenure Committee

Barry Kues, Professor

Department service

Chair, Research Professor evaluation committee
Long-range planning committee
Faculty awards committee
Library Liaison
Curator of departmental fossil, mineral, rock, and thesis collections

Leslie D. McFadden, Professor

Department Service

Member, Department Graduate Applications Committee

Hosted three visiting research scientist and/or faculty members who were presenting papers or delivering lectures for classes in E&PS Department.

Hosted Dr. Evylyn Posey, who was at UNM as formal evaluator for the NSF NM PAID program

College of Arts and Sciences service

Member, Advisory Council of the Albuquerque Teachers Institute
Member, Board of Associated Scholars, Center for the Southwest

Grant A. Meyer, Professor

Departmental service

Departmental Graduate Admissions Committee Chair, Spring 2009; Graduate Committee, Fall 2009.

Matthew Nyman, Assistant Professor/Lecturer

Departmental Service

Wrote 5 letters of recommendation for students as they've applied to the College of Education or applied for scholarships.

Wrote professional letters of recommendation for 3 colleagues.

Nyman and Ellwein: helped design and plan the Natural Science Program classroom and offices for the Science and Math Learning Center

Wrote Decadal report for Natural Science Program for Earth and Planetary Science faculty and Dean of College of Arts and Sciences

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Aurora Pun, Lecturer III

Departmental service

Presented for KNME Science Café "Understanding Science 101" August 2009.
Participated as a Facilitator in "Technology in the Classroom" and "Teaching with Clickers" workshops organized by the Office of Support for Effective Teaching (OSET).
Geology Museum exhibit, Tucson Gem and Mineral Show, Tucson, Arizona, February 10-14, 2009. Acquisition of specimens for the Geology Museum.

Mousumi Roy, Associate Professor

Department service

E&PS Search Committee for a Chair (Summer 2010)
E&PS Graduate Admissions committee (S09)
E&PS Computer Committee (all of AY 2009-2010)
E&PS Associate Chair (All AY 2009-2010)
Unix/Linux system administration – provided supervision of some system administration duties of Mark Fleharty (Fall 2009), who was hired for system administration and scientific programming by J. Galewsky since January 2010.

Louis A. Scuderi, Associate Professor

Departmental service

Director, Center for Rapid Environmental Assessment and Terrain Evaluation (CREATE), 2003-present.
Computer Committee, Current Chair, 2010- ongoing.
Field Computing Committee, Current Chair, 2009- ongoing.
Faculty Assessment Committee, Member, 2006-2009.

University committee

2009-2010: Dean's Ad Hoc Committee on Computer Infrastructure, Committee Member.

Jane Selverstone, Professor

Departmental committees and service

Graduate advisor and chair of Graduate Committee through 6/30/09.

University committees

Arts and Sciences Tenure and Promotion Committee.

Zachary Sharp, Professor

University

Stewart Udall Scholarship
Academic Freedom and Tenure Committee

Departmental Committees

Instrumentation and Facilities (chair) (extensive work on XRF repairs)
Graduate Admissions Committee
Long Range Strategic Planning Committee

National/International

National Resource Council Postdoctoral Fellowship Committee (4 times/yr, once w/travel to Washington DC)
NSF panelist – EAR Instrumentation and Facilities (2 times/year)
Outside reviewer for promotion to Reader (England)
Tenure promotion review (Michigan)
"Canadian Foundation for Innovation" review
LANL Scientific Review Team
Introduction of Jaime Barnes for "Subaru Outstanding Women in Geoscience" Award, GSA Annual Meeting, Portland.

Gary A. Smith, Professor

Department service

Faculty Senate Teaching Enhancement Committee
Provost Committee on Learning Environments, Chair
Title V Faculty Committee, Co-chair
Mentoring Institute Advisory Committee
Office of Equity and Inclusion Advisory Committee
Undergraduate Committee, Dept. of Earth and Planetary Sciences
Collections Committee, Dept. of Earth and Planetary Sciences
UNM Geology Museum exhibit, Tucson Gem and Mineral Show, Tucson, Arizona, February 11-15, 2009. Acquisition of specimens for the Geology Museum.
Marshal, UNM General Commencement (May and December 2009)

Gary Weissmann, Associate Professor

Department committee

Hydrology Search Committee, Chair
Graduate Admissions Committee, Chair
Lecturer voting rights ad-hoc committee

University committee

Research Allocation Committee (RAC) – Fall 2006-present.

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8. SCHOLASTIC HONORS AND FELLOWSHIPS

Amy Ellwein, Lecturer III, Natural Science Program

Nominated for UNM's Outstanding Lecturer of the Year, 2010
Awarded AWG Outstanding Student Award, 2010

Karl E. Karlstrom, Professor

Received the GSA Distinguished Service award for editorships of GSA Today and GSA Bulletin
Invited to Australia in July of 2009 for research on the springs and travertines of the Great Artesian Basin as part of an Australian government grant on groundwater reserves and paleohydrology (PI Andy Love at Flinders University).

Grant A. Meyer, Professor

Promotion to Full Professor, July 2009.

Second Place, Iconic Landscapes Division, for photo of Bullfrog Creek Badlands: Geological Society of America Inaugural Photo Contest, 2009: Visions of the Dynamic Landscape: How Geology Tells the Stories of Planetary Change, http://www.geosociety.org/graphics/09portland/PhotoExhibit/index.html.

Matthew Nyman, Assistant Professor/Lecturer

Awarded College of Arts and Science Leonard Award for Outstanding Science Teaching, 2010

Aurora Pun, Lecturer III

Awarded outstanding Faculty Lecturer award for UNM.

Zachary Sharp, Associate Professor

Promoted to Regents Professor (2009)
Nominated for "Outstanding Teacher of the Year Award"

9. SABBATICALS AND TRAVEL

Adrian Brearley, Professor

Travel

- 40th Lunar and Planetary Science Conference, March 23-27, 2009.
- 72nd Annual Meeting of the Meteoritical Society, July 13-18, 2009 in Nancy, France.

Laura J. Crossey, Professor

Travel

- Grapevine Wash- Hualapai Limestone research, January 1- 4.
- Trail of Time marker installation – Deep Time trail, March 14-22.
- Rock collecting Colorado River research trip for Trail of Time, April 3-13.
- Trail of Time onsite evaluation, May 21-25.
- EPS 420/520 Advanced Fieldcamp, June 12-28.
- Filming for History Channel program on Rockies, July 4.
- Filming for GC National Park visitor center movie, July 5-9.
- Research in Great Artesian Basin of Australia, July 13-August 8.
- Cave research at Carlsbad, August 9-11.
- FLC institute, August 13.
- FLC fieldtrip to Sandia crest, September 1.
- FLC cave field trip, September 12.
- FLC Grand canyon fieldtrip, September 25-27.
- Helicopter rock collection at Grand Canyon for Trail of Time, October 9-11.
- GSA meeting in Portland, October 17-22.
- FLC Rio Grande field trip, November 24.
- Heavy lift helicopter rock collection, November 28-30.
- Water/Gas sampling in Death Valley, December 29-31.

Amy Ellwein, Lecturer III, Natural Science Program

Travel

- Invited speaker for an NSF-funded On the Cutting Edge workshop on Teaching the Process of Science (http://serc.carleton.edu/sp/process_of_science/workshop09/program.html) - July, 2010

- Attended and presented one talk and one poster at the 2009 Annual Geological Society of America Meeting in Portland, OR.

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Peter J. Fawcett, Associate Professor

Travel

- December 2009 San Francisco CA, attend Fall AGU Meeting.

Tobias Fischer, Associate Professor

Travel

- East Africa: field work 3.5 weeks June 2009.
- Italy: Workshop Trieste Italy 1 week August 2009.
- Oregon; MARGINS workshop, 4 days, November 2009.
- Tokyo, Japan: University of Tokyo laboratory work 3 weeks Oct. 2009.
- Austin Texas: Margins workshop, 4 days Feb 2010.
- Vancouver, Washington: 2 days for invited talk, March 2010.

John W. Geissman, Chair and Professor

Summer teaching

University of Michigan Camp Davis, Geological Sciences 440, Advanced Field Geology, July 7-August 1.

Travel:

GSA Publications Committee Meeting, Boulder, February 20-21.
Northfield Minnesota, Carleton College, Outcomes Assessment meeting, February 22-25.
University of Texas at Dallas, April 30-1 May
Council Meeting, Geological Society of America Headquarters, Boulder, May 2-3
New Mexico, southern Colorado, UNM Introductory Field Geology course, May 17-June 6.
University of Texas at Dallas, proposal preparation, June 28-July 1.
Wyoming, University of Michigan, Field Camp, July 7-August 1.
Denver Colorado, Board of Directors meeting, International Continental Drilling program, August 27-29.
University of Michigan, Alumni Advisory Board meeting, September, 24-27.
National Science Foundation, ERRA Panel meeting, October 4-8.
Geological Society of America Annual Meeting, Portland, October 17-21.
South Africa, field work, November 13-30.
San Francisco, AGU Fall Meeting, December 12-17.

David Gutzler, Professor

Travel

- American Meteorological Society Annual Meeting, Phoenix AZ, Jan 12-14.
- Invited presentation to Crow Canyon Archeological Assn, Cortez CO, Jan 16-17.
- Border Governors' US-MX Binational Drought Conference, San Diego CA, Mar 25-26.
- Invited presentation to Gila River Forum, Silver City NM, May 27-28.

- LANL IGPP Science Panel meeting, Los Alamos NM, Jun 2-4.
- New Mexico Water Research Conference, Socorro NM, Aug 11.
- American Geophysical Union Fall Meeting, San Francisco CA, Dec 16-19.

Rhian H. Jones, Associate Professor

Travel

- 40th Lunar and Planetary Science Conference, Houston, TX. March, 2009.
- 72nd Meteoritical Society Conference, Nancy, France. July 2009.

Karl E. Karlstrom, Professor

Travel:

- Grapevine Wash- Hualapai Limestone research, January 1- 4.
- EPS 307 structural geology fieldtrip, February 7.
- Mount Taylor Quadrathalon, February 14.
- Invited departmental seminar (with LJC) at U Montana, February 22-24.
- Filming at GC for Park movie, February 28-March 1.
- talk at Ernie Pyle middle school, March 9.
- Trail of Time marker installation – Deep Time trail, March 14-22.
- Rock collecting river trip for Trail of Time, April 1-13.
- EPS 307 structure fieldtrip, April 18.
- NMGS meeting, April 24.
- Gray and Desolation canyon research, May 2-13.
- FLC institute, May 19-20.
- Trail of Time onsite evaluation, May 21-25.
- EPS 420/520 Advanced Fieldcamp, June 8-28.
- filming for History Channel program on Rockies, July 4.
- filming for Park visitor center movie, July 5-9.
- Research in Great Artesian Baisn if Australia, July 13-August 8.
- Cave research at Carlsbad, August 9-11.
- FLC institute, August 13.
- FLC fieldtrip to Sandia crest, September 1.
- NM statemap meeting, September 11.
- FLC cave field trip, September 12.
- FLC Grand canyon fieldtrip, September 25-27.
- Attended EarthScope science planning wortkshop- Salt Lake City, October 6-8.
- Helicopter rock collection at Grand Canyon for Trail of Time, October 9-11.
- GSA meeting in Portland, October 17-22.
- co-led EarthScope Education and Outreach workshop in Albuquerque, October 25-28.
- Invited talk at U Oklahoma (with LJC) and water/gas sampling, October 28-30.
- FLC Rio Grande field trip, November 24.
- Heavy lift helicopter rock collection, November 28-30.
- AGU meeting, December 13-18.
- Trip to Denver to see portal fabrication, December 28.
- Water/Gas sampling in Death Valley, December 29-31.

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Barry S. Kues, Professor

Travel

- NMGS Executive Committee meeting, Socorro, January 16.
- Tucson (AZ) Gem, Mineral, and Fossil Show, February 12-15.
- Field research in Lake Valley, NM area, February 22.
- NMGS Foundation meeting, Socorro, March 13.
- Field research in southern New Mexico with T. Kammer (UWV), W. Ausich (OSU), and Beth Rehnburg, March 14-16.
- NMGS Executive Committee meeting, and annual Spring meeting, Socorro, April 23-24.
- NMGS Executive Committee meeting, Socorro, June 5.
- Field research in Mora, NM area, June 9-10.
- Field research in Mora, NM area, June 16-17.
- Field research in Alamogordo, NM area, August 5-6.
- NMGS Executive Committee meeting, Socorro, and NMGS Field Conference in Chupadera Mesa, NM area, October 7-10.
- Led a visiting University of Michigan geology class through the Jemez Mountains, Oct. 17.

Leslie D. McFadden, Professor

Travel

- Las Vegas, Nevada, gave invited talk to Department of Geosciences at UNLV, January 20-22.
- Estancia, NM, gave invited talk to the Torrance County Archeological Society, February 2.
- Espanola, NM, participant in the NM PAID Annual Department Head Retreat, May 20-22.
- Field trips to the NSF – LTER site at the Sevilleta Wildlife Refuge to review results of graduate student research, July 16, August 13.
- Field trips with visiting scientists to the Sandia Mountains associated with research, I am supervising several graduate students, September-November.
- Field work in northeast Arizona involving studies of Holocene landscape evolution, August 30 - September 1.
- Presentation to Ghost Ranch Archeology Seminar Class, Ghost Ranch, NM, August 11.
- Participation in Geological Society of America Annual Fall Meeting, Portland, OR., October 18-20.

Grant A. Meyer, Professor

Travel

- Field work in Centennial Valley, Montana, and Yellowstone National Park: Holocene beaver activity, climate change, and effects on small streams, June 30-July 9 and Aug. 9-17, 2009.
- Numerous other short field research trips to Rio Chama, Rio Grande, Llano de Albuquerque-Rio Puerco, Sandia Mountains, and etc.
- Guest lecturer in several E&PS and ENVS classes, UNM-Gallup, 2008.

Aurora Pun, Lecturer III

Travel

Attended Tucson Gem and Mineral Show, Tucson, Arizona, February 10-14, 2009.
Attended Geological Society of America Annual Meeting, Portland, OR., October 18-21, 2009.

Frans Rietmeijer, Research Professor

Travel

The 2nd International Symposium "Interface Mineralogy" in conjunction with the 2nd International workshop "Crystallization in the early solar nebula 4.6 billion years ago", Sendai (Japan), March 9-12.
NASA Astrobiology Science and Technology instrument Development and Mission Concept Studies ID Panel Review, Washington (DC), March 29 - April 3.
Los Alamos National Laboratory, June 3.

Mousumi Roy, Associate Professor

Travel

- Lamont-Doherty Earth Observatory, Columbia University, June, 2008
- CIG Workshop, Pasadena, CA, July, 2009
- CIG Workshop, La Jolla, CA, July, 2010
- Fall AGU Meeting, Dec 2009

Jane Selverstone, Professor

Travel

- January 4-10: Fieldwork in the Whipple Mountains and Anza-Borrego Desert, California
- May 12-14: Meeting of External Review Panel, HRXCT laboratory, University of Texas, Austin
- July 6-20: Fieldwork in Italian Alps with grad student Amber Hawkins
- Oct 17-22: GSA meeting, Portland, OR
- Dec 15-16: AGU meeting, San Francisco, CA

Zachary Sharp, Associate Professor

Travel

Lake Baikal, Russia (5 days)
Valles Caldera (4 days)

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Gary A. Smith, Professor

Travel

Attended Tucson Gem and Mineral Show, Tucson, Arizona, February 11-15.
Attended New Mexico Higher Education Assessment and Retention Conference, Albuquerque, NM, February 27-28.
Attended Mountain States Teaching of Psychology Conference, Colorado Springs, CO., September 25-26, 2009.
Attended Geological Society of America Annual Meeting, Portland, Oregon, October 18-21, 2009.

Gary Weissmann, Associate Professor

Travel

Aberdeen, Scotland (Rivers to Rock Record Conference), January, 2009.
Tacoma, Washington (Washington Hydrogeology Symposium), April, 2009.
Denver, Colorado (AAPG), June, 2009.
Sacramento, California (Groundwater Resources Association meeting), October, 2009.
Portland, Oregon (GSA), October, 2009.
San Francisco, California (AGU), December, 2009.

10. PUBLIC SERVICE

Adrian Brearley, Professor

Public service

Identified mineral samples and suspect meteorite samples for members of the public.

Laura J. Crossey, Professor

Public service

Gave several invited presentations on enhancing diversity in STEM fields
Gave numerous presentations at local middle schools on geologic topics
Filming for the geologic component of the Grand Canyon National Park visitor center documentary is under way.
Soccer Referee, USSF Grade 6, NM State Referee, NM State Cup referee, NISOA Collegiate Referee (1997-current), NM State High School Referee

Maya Elrick, Associate Professor

Community service

Geoscience education presentations in elementary schools.

Amy Ellwein, Lecturer III, Natural Science Program

Public service

Frequent science fair judge for New Mexico's K-12 schools.

Peter J. Fawcett, Associate Professor

Public service

AYSO Soccer Coach, Referee

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Tobias Fischer, Associate Professor

Public service

Mainz, Germany: public lecture on CO_2, Volcanoes and climate as part of lecture series on Earth's climate change through time sponsored by U of Mainz and Max Planck Institute. Sept. 2009.

John W. Geissman, Chair and Professor

Public service

Alumni Advisory Board, University of Michigan
Worked with Career Enrichment Center, APS, to establish "Geology of New Mexico", which has now started
Geoscience Advisor, Albuquerque Petroglyphs National Monument committee.
Geologic field excursion leader, miscellaneous Elementary school groups
Participant, Jefferson Middle School, Special Educational Events Day
Participant, Rio Rancho High School Career Days
Member, Coalition for Excellence in Science Education
Various geoscience talks to local groups
Guest speaker, NMSR Radio Show

David Gutzler, Professor

Invited presentations to nonspecialist audiences

"No one else (including nature) is going to bail us out", New Mexico Water Dialogue, Albuquerque, Jan 15.
"21st century climate change projections for the American Southwest", Crow Canyon Distinguished Lecturer Series, Cortez CO, Jan 16.
"21st century climate change projections for New Mexico: The case for xeriscaping", 14th Water Conservation/ Xeriscape Conference, Albuquerque, Feb 26.
"Projected impact of climate change on New Mexico", Albuquerque Rotary Club, May 18.
"Projected hydrologic effects of climate change in southwestern New Mexico" Gila River Forum, Silver City, May 28.
"The impacts of climate change on western water resources", League of Women Voters Climate Change Symposium, Albuquerque, Aug 21.
"Local impacts of projected climate change", Urban Land Institute, Albuquerque, Oct 7.
"Climate change, globally and in New Mexico", KNME Science Café presentation, Oct 17.
KUNM call-in show interviewee on sustainability, Feb 26.
Numerous interviews throughout the year for regional media regarding summer rainfall, El Niño/La Niña, drought, global warming, and other weather- and climate-related topics.

Rhian H. Jones, Associate Professor

Public service

Gave several tours of the Meteorite Museum for visiting groups.
Identified suspect meteorites and answered enquiries about meteorites for members of the public.

Karl E. Karlstrom, Professor

Public service

- We continued to make major progress in 2009 towards establishing the Trail of Time at Grand Canyon, which will be one of the world's largest geoscience exhibitions. It is scheduled to open in 2010.
- Filming and editing for the geologic component of the Grand Canyon National Park visitor center documentary is under way.
- Geotalk at Ernie Pyle middle school

Barry S. Kues, Professor

Public service

Presented talk, "300 million years of life in central New Mexico" at Petroglyph National Monument, July 18.
Identified geological specimens and answered geological questions for the public.
Arranged analysis and wrote report on an unusual mineral from Afghanistan for Boyd Caddell, a consultant for the U.S. military in Afghanistan

Leslie D. McFadden, Professor

Public service

Member, Coalition for Excellence in Science Education (CESE)
Responded to several requests for advice and assistance from the public concerning issues related to soils and geology.

Grant A. Meyer, Professor

Public service

Yellowstone Association Institute three-day summer field course for general public, "Shaping the Northern Yellowstone Landscape", August 14-16, 2009.

Aurora Pun, Lecturer III

Public service

Attended Tucson Gem and Mineral Show, Tucson, Arizona, February 10-14, 2009.
Attended Geological Society of America Annual Meeting, Portland, OR., October 18-21, 2009.

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Mousumi Roy, Associate Professor

Public service

Public talk on Rio Grande Rift, Friends of the Sandias, May 2010
KUNM – Children's Hour (on earthquakes), Jan 2010
OASIS - Class on tectonics of the Rio Grande Rift, Jan 2010
Spoke to K-12 teachers at the Explore New Mexico with EarthScope, NSF Earthscope Workshop, Sept, 2009
Public talk on Rio Grande Rift, New Mexicans For Science and Reason, 2009

Jane Selverstone, Professor

Public service

Jury duty, NM 2nd District Court, November 2-13.

Gary Weissmann, Associate Professor

Public service

Volunteer, Monte Vista Elementary School.

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A. GRADUATE PROGRAMS AND STUDENT SCHOLARSHIPS
(Calendar Year 2009-2010)

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SUMMARY OF THE GRADUATE PROGRAM

The total number of graduate students in the Department in Fall, 2009 was 55, a number that reflects a modest decrease in our previous years number of 65 for our graduate student population. It is important in this discussion to emphasize that, beginning in the mid-1990's, the Department agreed to make certain that each and every graduate student was provided a sustainable financial aid package for a realistic time period (e.g., two years for a M.S., student, and four years for a Ph.D., student with a M.S., degree). As of Spring of 2010, again well over 50% (33 of 55) of the graduate students were women, a continuation of a trend that began during the last decade. Just less than 50 percent of the graduate students are in the doctoral program. Data summarizing our graduate program are included in the Table 2 and other lists (i.e. scholarship and award recipients) included in this section. For Spring, 2010, our total graduate student enrollment has decreased slightly.

The last several annual reports have emphasized that the Department of Earth and Planetary Sciences regards the education and training of graduate students as modern scientists as important and integral teaching and research functions. Through classroom, laboratory, and field experiences, graduate students acquire the mentoring, expertise, and skills required to become successful professional scientists in many employment opportunities, including industry, environmental and geological consulting companies, government organizations, and academia. Notably, the job opportunities in the broad realm of the geosciences are excellent and continue to grow (e.g., Geologist Salaries at Record Highs, 2008, geology.com; In the Geosciences, Business is Booming, 8 August, 2008, Science), but at a somewhat reduced pace due to the economic downturn. Individualized teaching opportunities in a broad range of undergraduate level laboratory sections, and opportunities to present the results of their graduate research at professional earth science meetings and in numerous publications all further enhance interpersonal skills and abilities of graduate students to discuss their knowledge of and research in the geosciences in a range of settings and situations. A long term concern of all academic departments is the potential for a healthy academic hiring market over the next several years, and what will happen to the current and immediate future crop of PhD students who aspire to employment in academia.

Considerable evidence shows that the E&PS graduate program continues to be quite strong. Again, during the 2009-2010 academic year, many of our students won prestigious national fellowships or research awards, from sources such as the Geological Society of America, American Association of Petroleum Geologists, and Sigma Xi. Of note, Ms. Nina Lanza and Ms. Ann Ollila, graduate students in the Institute of Meteoritics, received the 2009 Zonta International Amelia Earhart Fellowships. Each student received $10K fellowships. Maarten DeMoor received a highly competitive NASA Graduate Fellowship, which provides excellent funding for three years. In addition, several students received fellowships from the New Mexico NASA Space Grant Consortium. We also note here that one of our graduate students, Mel Strong, was chosen for the Outstanding Teaching Assistant Award at the University of New Mexico.

In addition, the Department again received a large number of applications to the Graduate Program (over 60), another measure of the quality of our program. At least the top half of these applicants have outstanding academic records, and ALL of them receive several competing offers from top Earth Science Departments elsewhere in the nation. Averaged over several years, our success in attracting quality students to the Department is quite good. For Fall, 2009, some 30 percent of the applicants to whom we made TA or RA offers ultimately accepted and entered our program. This is a relatively low percentage, but is a function of many factors that vary from year to year.

As might be expected from graduate students of this caliber, they have also succeeded in publishing numerous papers in many journals, some (13) as senior authors and some in very prestigious journals in the earth sciences. They are also co-authors on numerous published abstracts. Such student co-authors are indicated by an asterisk in papers included in section III.

TABLE 1. Bachelor's, Master's and Doctoral Students Degrees, Fall, 2009– Spring, 2010.

Doctoral Student **(2009)**

Anthony C. Salem

Doctoral Student **(2010)**

Sean D. Connell

M.S. Students **(2009)**

Ashley E. Edelman
Eileen H. Embid
Leah M. Roberts

M.S. Students **(2010)**

Melissa A. Halick
Jessica C. Lopez-Pearce
Molly J. Wick

Bachelor of Science **(2010)**

Steven A. Aumack
Bruce E. Bergeson
Stephen W. Brown
Zachary E. Gallegos
Nicolas K. George
Andrew Grouios
Zachary C. LaPointe
Ian M. Moore
Thomas R. Sower
James E. Tabinski
Adam W. Zimmerman

Bachelor of Arts **(2010)**

Jessica L. Larsen
Amada Rice

Bachelor of Science in Environmental Science **(2009)**

Jacob Baggerman
Karen Balduini
Adrienne M. Voss

Bachelor of Science in Environmental Science **(2010)**

Holly A. Buehler
Cesar R. Castillo
DaMonique M. Guevara
Maria E. Lohmann
Barbara C. Moreland
Timotheus D. Noger
James P. Sturgis
April J. Tafoya
Glenn L. Tortalita

TABLE 2. Department of Earth and Planetary Sciences – Summary of Graduate Student Admissions, Fall 2009-2010.

FALL 2009 GRADUATE APPLICANTS (GRADUATE APPLICATION SUMMARY DATA)									
APPLICANTS TOTAL		ADMITTED		% ADMITTED		ACCEPTED		% ADMITTED/ ACCEPTED	
29	M.S.	17	M.S.	43	M.S.	5	M.S.	60	M.S.
13	Ph.D.	10	Ph.D.	46	Ph.D.	4	Ph.D.	38	Ph.D.
42	TOTAL	27	TOTAL	45	TOTAL	9	TOTAL	55	TOTAL
FEMALE APPLICANTS									
11	M.S.	6	M.S.	55	M.S.	3	M.S.	50	M.S.
8	Ph.D.	7	Ph.D.	88	Ph.D.	3	Ph.D.	43	Ph.D.
19	TOTAL	13	TOTAL	68	TOTAL	6	TOTAL	46	TOTAL

FALL 2010 GRADUATE APPLICANTS (GRADUATE APPLICATION SUMMARY DATA)									
APPLICANTS TOTAL		ADMITTED		% ADMITTED		ACCEPTED		% ADMITTED/ ACCEPTED	
46	M.S.	20	M.S.	43	M.S.	12	M.S.	60	M.S.
28	Ph.D.	13	Ph.D.	46	Ph.D.	5	Ph.D.	38	Ph.D.
74	TOTAL	33	TOTAL	45	TOTAL	18	TOTAL	55	TOTAL
FEMALE APPLICANTS									
16	M.S.	15	M.S.	94	M.S.	8	M.S.	53	M.S.
19	Ph.D.	7	Ph.D.	37	Ph.D.	3	Ph.D.	43	Ph.D.
35	TOTAL	22	TOTAL	63	TOTAL	11	TOTAL	50	TOTAL

TABLE 3. Department of Earth and Planetary Sciences – Graduate Student Enrollment, Fall 2009-2010.

FALL 2009 GRADUATE STUDENTS			
FEMALE	M.S.	21	
MALE	M.S.	9	
FEMALE	PH.D	14	
MALE	PH.D.	11	
		TOTAL	55

SPRING 2010 GRADUATE STUDENTS			
FEMALE	M.S.	19	
MALE	M.S.	9	
FEMALE	PH.D.	14	
MALE	PH.D.	10	
		TOTAL	52

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Many Graduate and Undergraduate students were supported by scholarships, fellowships, and other awards during the 2009-2010 year in fact are mentioned in the UNM Foundation. For AY 2009-10 year, we estimate that the total value of fund awards will be well over $50,000. We made the decision to change the timing of when we award scholarships to better support students while they are actually working on their degrees. Rather than making the awards in the Spring semester, we are now making these awards for both Graduate and Undergraduate scholarships in the Fall semester, causing a gap of 18 months from the last time that scholarships were awarded. Many scholarships are derived from various funds that have been established for this purpose by alumni and other friends of the Department. The Department augments these awards with travel scholarships that partially offset the expenses of traveling to professional meetings (and often provides free use of vehicles to these meetings), and other scholarships supporting use of the analytical instruments and other research expenses. Many students, of course are also the recipients of funds from the University, as well as prestigious research awards fund organizations like the Geological Society of America. Recipients of these awards are listed below.

Scholarships to be awarded in Fall 2010

Geology Alumni Fellowship Fund

Harry and Mabel Leonard Scholarship

General Thomas Campbell Award

James Drew Pfeiffer Memorial Award

Outstanding Student of the Year Award

Other Graduate and Undergraduate Student Awards

New Mexico Geological Society, Lucille Pipkin Book Scholarship

Chanel Dailey Christina Batson Alexandra Pickel

Albuquerque Gem and Mineral Club Scholarship

Amanda Rice

New Mexico Geological Society, Fall Field Conference Scholarship

Christina Batson Chanel Dailey

Stuart A. Northrop Award

Nicolas K. George

Sherman A. Wengerd Award

Nicole Thomas

J.P. Fitzsimmons Award

Miela S. Kolomaznik

Vincent C. Kelley Outstanding Field Geologist

Stephen W. Brown

Oustanding Environmental Science Graduate

Holly A. Buehler

Roger Y. Anderson Award

Andrew P. Jochems

New Mexico Geological Society and Lucille Pipkin Senior Scholarship

Tara S. Aran

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Bachelor of Science
Departmental Honors – Senior Thesis

Jacob Baggerman, cum laude, Spring, 2010 – "Changes in Seasonal Snow Liquid Water Content for the Next Fifty Years: An Ensemble Model Approach" Advisor: Dr. Joseph Galewsky.

Holly A. Buehler, summa cum laude, Spring, 2010
"The Ongoing Avulsion of the Taquari River: Applications of Satellite Imagery in Geomorphic Analyses: Advisor: Dr. Gary Weissmann.

Stephen W. Brown, summa cum laude, Spring, 2010 – "Epeirogenic Uplift Above the Jemez Lineament: Is Neogene Doming Recorded by River Profiles?" Advisor: Dr. Karl E. Karlstrom.

Zachary E. Gallegos, cum laude, Summer, 2010 – "Using Laser Induced Breakdown Spectroscopy to Assess Geologic Samples Associated with a Complex, Terrestrial Impact Structure as an Analogue for Future Planetary Explorations" Advisor: Dr. Horton Newsom.

Nicolas K. George, summa cum laude, Spring, 2010 – "Paleomagnetic, Geochronologic, and Geochemical Data Suggest Simultaneous Emplacement of the Early Eocene Shonkin Sag and Square Butte Laccoliths, North-Central Montana" Advisor: Dr. John W. Geissman.

Zachary C. LaPointe, cum laude, Spring, 2010 – "Uranium-Series and Strontium Isotope Geochemistry of Lava Tube Cave Speleothems from El Malpais National Monument" Advisor: Dr. Victor Polyak.

Jessica L. Larsen, summa cum laude, Spring, 2010 – "Understanding Eruptive History and Dynamics From Study of Vent-Proximal Rhyolitic Pyroclastic Deposits, Jemez Mountains, New Mexico" Advisor: Dr. Gary A. Smith.

Maria E. Lohmann, magna cum laude, Spring, 2010 – "Enhanced High Altitude Tree Growth in the Western United States" Advisor: Dr. Louis Scuderi.

Thomas R. Sower, magna cum laude, Spring 2010 – "Incision History of the Rio Salado and Implications for Uplift History of the Jemez Mountains I" Advisor: Dr. Karl E. Karlstrom.

James P. Sturgis, magna cum laude, Spring, 2010 – "Factors Influencing the North American Monsoon" Advisor: Dr. David Gutzler.

April J. Tafoya, cumma cum laude, Spring, 2010 - "Searching for Subterranean Arthropods: A Comparison Between the Edwards-Trinity Aquifer of Texas and the Karst Systems of New Mexico" Advisor. Dr. Laura J. Crossey.

Graduate Student Scholarship and Awards

Outstanding Master of Science Student

Leah Roberts

Albert M. Kudo Outstanding Teaching Assistant

Justin Dodd
Rebekah Levine

Outstanding Teaching Assistant (University of New Mexico

Mel Strong

Vincent C. Kelley Memorial Scholarship

John V. Hurley Stephen Elardo

New Mexico Geological Society, Fall Field Conference Scholarship

Stephanie Mason

Outstanding Doctor of Philosophy Student

Sean D. Connell

Jean-Luc Miossec Memorial Scholarship
Rodney C. Rhodes Memorial Scholarship
Alexander and Geraldine Wanek Scholarship
Jerry Harbour Memorial Endowed Scholarship Fund
Sherman A. Wengerd Travelling Fellowship
Fred D. Traugher Memorial Endowed Scholarship
Geology Alumni Fund

The following students will receive awards from the above listed scholarships.

Laura Burkemper	Andy Darling	Ryan Crow	J. Maarten deMoor
Julian Dillon	Justin Dodd	Linda Hurley	Stephen Elardo
John Hurley	Karen Hutchins	Leah Johnson	Sarah Keller
Ara Kooser	Nina Lanza	Rebekah Levine	Stephanie Mason
Euan Mitchell	Ann Ollila	Lyman Persico	Alexandra Priewisch
Lauren Sherson	Eric Tegtmeier	Bethany Theiling	Mark Tyra
Stephanie Yurchyk			

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Graduate Degrees Awarded

The following students received M.S. and Ph.D. degrees in Earth and Planetary Sciences, Fall 2009 and Spring, 2010 (no summer degrees are listed). Thesis/dissertation titles and faculty advisors are also indicated.

Master of Science

Ashley E. Edelman, Fall, 2009 – "Characterization of a Volcanically Impacted, Overfilled Continental Rift Basin Within the Southeastern Jemez Mountains, New Mexico". Advisor: Dr. Gary A. Smith.

Eileen H. Embid, Summer, 2009 – "U-Series Dating, Geochemistry, and Geomorphic Studies of Travertines and Springs of the Springerville Area, East-Central Arizona, and Tectonic Implications". Advisor: Dr. Laura J. Crossey.

Melissa A. Halick, Spring, 2010 – "Documenting Multiple Metasomatic Events Within the Finero Phlogopite Peridotite Using Chlorine Isotopes, Ivrea Zone, Italy" Advisor: Dr. Jane Selverstone.

Leah M. Roberts, Fall, 2009 – "Biogeomorphology and Soil Geomorphology of Small Semi-Arid Basins, Northeastern Arizona: Influences of Topoclimate and Climate Variation" *passed with distinction.* Advisor: Dr. Leslie D. McFadden.

Jessica C. Lopez Pearce, Spring 2010 – "Syntectonic Deposition and Paleohydrology of the Spring-Fed Hualapai Limestone and Implications for 5-6 Ma Integration of the Colorado River System Through Grand Canyon: Evidence From Sedimentology, Chemostratigraphy and Detrital Zircon Analysis". Advisor: Dr. Laura J. Crossey.

Molly J. Wick, Spring 2010 – "Formation Conditions of Plagioclase-Bearing Type I Chondrules in CO Chondrites: A Study of Natural Samples and Experimental Analogs" *passed eith distinction.* Advisor: Dr. Rhian Jones.

Doctor of Philosophy

Anthony C. Salem, 2009 – "Mesozoic Tectonics of the Maria Fold and Thrust Belt, Southeastern California: Polyphase Deformation and/synorogenic Response". Advisor: Dr. Karl E. Karlstrom.

Sean D. Connell, Spring, 2010 – "Fluvia Sedimentation in Continental Half-Graben Basins" *passed with distinction.* Advisor: Dr. Gary A. Smith.

Outcomes

Study in the Department's graduate programs prepares students for a wide variety of careers in the geosciences and related fields. Below are listed the positions obtained by Ph.D. and M.S. students who graduated in 2009-2010:

Ph.D.

- Sean D. Connell – Employed as a Field Geologist and Albuquerque Office Manager for the NM Bureau of Geology and Mineral Resources, Albuquerque, NM.
- Anthony C. Salem – Employed with Shell Oil Company as a Structural Geologist for the Petoleum Industry in Houston, TX.

M.S.

- Ashley E. Edelman – Employed with SRA International, Inc., as a Geologist in Arlington, VA.
- Eileen H. Embid - Working as a Geoscientist for Shoemaker and Associates in Albuquerque, NM.
- Leah M. Roberts – Ph.D. Progam in the Department of Earth and Planetary Scinces, Univesity of New Mexico, Albuquerque, NM.
- Molly J. Wick – Seeking employment.

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A. DONATIONS TO DEPARTMENT
(Calendar Year 2009-2010)

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DONATIONS TO DEPARTMENT

July 1, 2009 to June 30, 2010 Fiscal Year

Geology Chair Account

John M. Lucas
William L. Chenoweth
Richard Lee Ford
Brian L. Salem
Wolfgang E. Elston
Bill P. Lovejoy
John D. Bloch
Lenore R. Pardee
Sara George
Lannois F. Neely
Sandra Feldman
Michael L. Davies
Harvey R. DuChene
Teresa Marie Royek
William C. Carrigan
David M. Devoe
Jane Pedrick Dawson
John F. Bernhagen
Paul Wayne Lambert
Anjanette Cureton
Susan A. Waller
Patrick H. Higgins
Duane M. Moore
John G. Kuhn
Cabot Oil and Gas Corp.
James L. Gooding
Michael Petronis
Lee Brouillard
ExxonMobil Foundation
Carol Jane Treadwell-Steitz
Luis Roybal
Michelle Meert

Harding Pegmatite Mine

Theodore A. Keller
Laura A. Gullimore
Yuye Wen
Tim B. Ulrich
David A. Rickard
Wolfe D. Townsend
Rima Petrossian
Calvin G. Barnes
Peter Zion Klos
Jane Corinne
Norman Roy Greiner
John H. Burris
Kay Brown
Dennis D. Small
Jack B. Tucker
Andrea Olinger
Terrance P. Felegie
Bonnie R. McMurray
William A. Moody
J.R. Morgan
Karen J. Horn
Steven L. Racicot
Justin DeMello
Daniel Kelly
Geoffrey Saunders
Richard Hunter
Stephen Norte
Joe Meert
Albuquerque Gem and Mineral Club
Peec, Inc
Pajarito Environmental Educ., Ctr.
Los Lunas High School
Chamisa School PTO
Taos UNM Branch
Beloit College
University of Missouri
Miami University
University of Florida
University of North Carolina

Sherman & Florence Wengerd Traveling Fellowship

Harry F. Pomeroy, Jr.

Douglas Brookins Memorial Scholarship

Jeffrey Bernard West

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Geology Museum and Collections

Anonymous

Rodney Charles Rhodes Memorial Fellowship

Theodore J. Bornhorst
Wolfgang E. Elston

EPS Challenge Grant Fund

Kurt J. Steffen
Leslie D. McFadden
Tobias Fischer

Memorial Fund for Ashley Forsythe

Mr. and Mrs. Rod Forsythe
Marcia Hess
Mr. and Mrs. Raymond Shelton, Jr.
Joyce Yasm
John Pierce

Frederick D. Trauger Memorial Scholarship

Frederick D. Trauger Trust

Dr. Grant Meyer Quaternary Studies Program

Richard A. Ortiz

APPENDIX I

MUSEUM AND HARDING PEGMATITE LOG

2009-2010

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Geology Museum Register

JULY 1, 2009 – JUNE 30, 2010

DATE	ORGANIZATION	GRADE	# OF STUDENTS	# OF ADULTS
7/1/09	LAPATITA ACADEMY	K-5	30	2
7/2/09	LAPATITA ACADEMY	K-5	30	2
7/7/09	CONTINUING EDUCATION	SUMMER YOUTH	32	4
7/8/09	CONTINUING EDUCATION	SUMMER YOUTH	30	4
7/10/09	UPWARD BOUND (MATH/SCIENCE)	9-12	32	5
7/16/09	CABEZON CAMP	6-8	25	4
7/30/09	LAPATITA ACADEMY	1-6	25	3
JULY, 2009 TOTAL			**204**	**24**
AUGUST, 2009 TOTAL			**0**	**0**
9/01/09	SY JACKSON ELEMENTARY	4	50	10
9/16/09	DENNIS CHAVEZ ELEMENTARY	K-5	15	2
9/21/09	GOOD TIME TRAVEL			27
9/24/09	SY JACKSON ELEMENTARY	4	50	8
SEPTEMBER, 2009 TOTAL			**115**	**47**
10/15/09	GOOD TIME TRAVEL			34
OCTOBER, 2009 TOTAL				**34**
11/06/09	MONTE VISTA ELEMENTARY	1-2	22	4
11/18/09	LA LUZ DEL MONTE	7	56	10
NOVEMBER, 2009 TOTAL			**78**	**14**
12/01/09	DOUBLE EAGLE ELEMENTARY	4	23	2
12/01/09	ROOSEVELT ELEMENTARY	1	80	30
12/02/09	BOSQUE MIDDLE SCHOOL	8	16	3
12/08/09	BOSQUE MIDDLE SCHOOL	8	16	3
12/09/09	BOSQUE MIDDLE SCHOOL	8	16	3
12/10/09	GEORGIA O'KEEFE	2	30	10
12/11/09	COLORADO COLLEGE		23	2
DECEMBER, 2009 TOTAL			**204**	**53**
1/11/10	PERALTA ELEMENTARY	4	45	5
1/15/10	INFINITY HIGH SCHOOL	9-12	8	1

Geology Museum Register

JULY 1, 2009 – JUNE 30, 2010

DATE	ORGANIZATION	GRADE	# OF STUDENTS	# OF ADULTS
12/22/10	CONTINUING EDUCATION (UNM)			6
1/28/10	INTERNATIONAL MESA DEL SOL	3-4	15	3
12/29/10	MOUNTAIN MAHOGANY	1	21	6
JANUARY, 2010 TOTAL			**89**	**21**
2/04/10	MANZANO MESA ELEMENTARY	4	50	25
2/19/10	ERNIE PYLE MIDDLE SCHOOL	7-8	80	8
2/22/10	AMY BIEHL HIGH SCHOOL	10	80	10
2/24/10	HOPE CHRISTIAN SCHOOL	5	23	10
FEBRUARY, 2010 TOTAL			**233**	**53**
3/4/10	DOLORES GONZALES SCHOOL		13	2
3/4/10	MONTE VISTA ELEMENTARY SCH.	4	23	2
3/10/10	SCHOOL ON WHEELS		21	2
3/11/10	21ST CENTURY PUBLIC ACADEMY		75	6
MARCH, 2010 TOTAL			**132**	**12**
4/15/10	ERNIE PYLE MIDDLE SCHOOL	6	80	10
4/20/10	OÑATE ELEMENTARY SCHOOL	5	20	5
4/21/10	SANTO DOMINGO ELEM. SCHOOL	1	16	5
4/22/10	VALENCIA ELEMENTARY SCHOOL	4	42	6
4/23/10	VALENCIA ELEMENTARY SCHOOL	4	24	6
4/27/10	EG ROSS ELEMENTARY		46	10
4/28/10	WILSON MIDDLE SCHOOL	6-8	50	6
APRIL, 2010 TOTAL			**278**	**48**
5/03/10	ANNUNCIATION SCHOOL	1	21	10
5/05/10	EAST SAN JOSE ELEMENTARY	3	17	3
5/06/10	LONGFELLOW ELEMENTARY	2	40	10
5/07/10	GOVERNOR BENT SCHOOL	2	36	7
5/18/10	MOUNTAIN VIEW ELEMENTARY	3	22	3
5/25/10	PRESBYTERIAN HEADSTART		20	5
5/27/10	MONTE VISTA ELEMENTARY	K	18	3
MAY, 2010 TOTAL			**174**	**41**
6/01/10	DEVARGAS MIDDLE SCHOOL	8	10	1
6/03/10	BOSQUE SCH. (GEOLOGY CLUB)	4-6	14	2
6/04/10	CHILDREN'S LEARNING GARDEN	K-5	18	5

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Geology Museum Register

JULY 1, 2009 – JUNE 30, 2010

DATE	ORGANIZATION	GRADE	# OF STUDENTS	# OF ADULTS
6/14/10	WESTSIDE YMCA	5-12	36	3
6/17/10	GOLDSTAR ACADEMY	K-6	20	3
6/23/10	PRE-COLLEGE (SCIENCE/MATH)		30	4
JUNE, 2010 TOTAL			**128**	**18**
GRAND TOTAL			**1,635**	**365**

UNIVERSITY OF NEW MEXICO
DEPARTMENT OF EARTH AND PLANETARY SCIENCES
HARDING PEGMATITE MINE
Visitors - **2009 - 2010**

STATE	2009						2010						STATE TOTAL
	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	
ALABAMA	2												2
ALASKA													
ARIZONA	3		2										5
ARKANSAS													
CALIFORNIA	1		2	1						1	3		8
COLORADO	4		2	10						2	3		21
CANADA													
CONNECTICUT													
DELAWARE													
FLORIDA		2											2
GEORGIA													
HAWAII													
IDAHO				1									1
ILLINOIS											3		3
INDIANA	5		2										7
KANSAS													
KENTUCKY											2	2	4
LOUISIANA													
MARYLAND													
MAINE													
MASSACHUSETTS													
MICHIGAN	1						1						2
MINNESOTA									2		7		9
MISSISSIPPI													
MISSOURI													
MONTANA													
NEBRASKA													
NEVADA													

UNIVERSITY OF NEW MEXICO
DEPARTMENT OF EARTH AND PLANETARY SCIENCES
HARDING PEGMATITE MINE
Visitors - **2009 - 2010**

STATE	2009						2010						STATE TOTAL
	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	
NEW HAMPSHIRE													
NEW JERSEY													
NEW MEXICO	65	44	43	26	40	4		9	6	29	35	5	306
NEW YORK													
NORTH CAROLINA	2												2
OHIO	1											3	4
OKLAHOMA	8	2		6					2		2		20
OREGON		1											1
PENNSYLVANIA													
SOUTH DAKOTA													
TENNESSEE		8								2	3		13
TEXAS	8	11	2								2	2	25
UTAH	2												2
VIRGINIA			7							2	2		11
WASHINGTON	4	2								2			8
WISCONSIN							1						1
WYOMING													
AUSTRALIA													
BRITISH COLUMBIA				1									1
CANADA						4							4
FRANCE													
FINLAND													
GERMANY													
MAINE													
VERMONT													
MONTH TOTAL	**106**	**70**	**60**	**45**	**40**	**8**	**2**	**9**	**10**	**38**	**62**	**12**	**462**

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UNIVERSITY OF NEW MEXICO
DEPARTMENT OF EARTH AND PLANETARY SCIENCES
HARDING PEGMATITE MINE

DATE	NUMBER OF VISITORS	2009-2010 COLLEGE / UNIVERSITY / OTHER SCHOOLS
7/9/09	7	SANTA FE INSTITUTE, SANTA FE, NEW MEXICO
7/17	12	UNM PUENTAS PROGRAM, TAOS, NEW MEXICO
7/22	22	PEÑASCO THEATRE CAMP 2009, PEÑASCO, NEW MEXICO
8/22	53	AGME, ALBUQUERQUE, NEW MEXICO
9/05	44	UNM TAOS, TAOS, NEW MEXICO
9/11	4	SOUTHWEST GEOSCIENCE, HOUSTON, TEXAS
9/25	11	SAN JUAN COLLEGE, MINERALOGY CLASS, FARMINGTON, NEW MEXICO
9/28	8	UNIVERSITY OF COLORADO, BOULDER, COLORADO
10/03	50	TEXAS TECH GEOSCIENCE, LUBBOCK, TEXAS
10/03	8	SAN JUAN COLLEGE, MINERALOGY CLASS, FARMINGTON, NEW MEXICO
10/05	17	COLORADO COLLEGE, GEOLOGY DEPARTMENT, COLORADO SPRINGS, COLORADO
10/08	16	COLORADO COLLEGE, GEOLOGY DEPARTMENT, COLORADO SPRINGS, COLORADO
10/08	17	UNM TAOS, BLUE PLANET CLASS, TAOS, NEW MEXICO
10/09	8	HAROLD GROUP GEOLOGISTS, GOLDEN, COLORADO
10/17	17	UNIVERSITY OF MICHIGAN, DEPARTMENT OF GEOLOGICAL SCIENCES, ANN ARBOR, MICHIGAN
10/18	17	UNIVERSITY OF MICHIGAN, DEPARTMENT OF GEOLOGICAL SCIENCES, ANN ARBOR, MICHIGAN
10/19	17	UNIVERSITY OF MICHIGAN, DEPARTMENT OF GEOLOGICAL SCIENCES, ANN ARBOR, MICHIGAN
10/20	17	UNIVERSITY OF MICHIGAN, DEPARTMENT OF GEOLOGICAL SCIENCES, ANN ARBOR, MICHIGAN
10/23	10	SANDIA NATIONAL LABORATORY, WIP, ALBUQUERQUE, NEW MEXICO
11/07	11	FORT LEWIS COLLEGE, GEOLOGICAL SCIENCE DEPARTMENT, DURANGO, COLORADO
03/17/10	17	OHIO UNIVERSITY, DEPARTMENT OF GEOLOGICAL SCIENCES, ATHENS, OHIO
03/19	18	RICE UNIVERSITY, HOUSTON, TEXAS
04/14	19	UNM TAOS, BLUE PLANET LAB, ENVIRONMENTAL SCIENCES 102L, TAOS, NEW MEXICO
04/16	3	CHAMISA ELEMENTARY SCHOOL, 2ND GRADE, LOS ALAMOS
05/04	32	CHAMISA ELEMENTARY SCHOOL, 2ND GRADE, PRIMARY TEAM, LOS ALAMOS, NEW MEXICO
05/13	14	BELOIT COLLEGE, GEOLOGY DEPARTMENT, BELOIT WISCONSIN
05/17	12	DEPARTMENT OF BEHAVIORAL HEALTH, GALLUP, NEW MEXICO
05/20	10	FREDERICTON, CANADA
05/26	13	UNIVERSITY OF MISSOURI, SCIENCE AND TECHNOLOGY, COLUMBIA MISSOURI
05/28	6	NORTH CAROLINA GEOLOGY FIELD COURSE, NORTH CAROLINA
05/30	45	UNIVERSITY OF MISSOURI, GEOLOGY AND GEOPHYSICS 373, COLUMBIA MISSOURI

10/13

06/03	31	PAJARITO ENVIRONMENTAL EDUCATION CENTER, LOS ALSMOS, NEW MEXICO
06/03	25	UNIVERSITY OF FLORIDA, GAINSVILLE, FLORIDA
06/09	11	UNIVERSITY OF ALABAMA
06/10	24	LAS VEGAS HIGH SCHOOL, LAS VEGAS, NEW MEXICO
06/18	14	UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF GEOLOGY, NORTH CAROLINA
06/20	8	DARTMOUTH COLLEGE, HANOER NEW HEMSPHIRE
06/29	18	LOUISIANA STATE UNIVERSITY, GEOLOGY FIELD CAMP
2009 – 2010	**686**	**COLLEGE / UNIVERSITY / OTHER VISITORS TOTAL**

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ANNUAL REPORT

Department of Economics
University of New Mexico

July 1, 2009 – June 30, 2010

Robert P. Berrens
Chair

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THE ANNUAL REPORT OF THE DEPARTMENT OF ECONOMICS

July 1, 2009 – June 30, 2010

Robert P. Berrens, Chair

1. Significant Developments During the 2009-10 Academic Year

The Department was pleased to hire a new tenure-track, Assistant Professor in August 2010; Margaret (Meg) Blume-Kohout (PhD, Pardee RAND Graduate School), specializes in microeconomics, public and econometrics, and does research in the area of Health. Meg joins the department as of the Fall 2010 semester (with a 100% tenure line), and also has an appointment as a Senior Fellow with the Robert Wood Johnson Foundation (RWJF) Center for Health Policy at UNM.

Department staff for 2009-2010 included: Michelle Durham (Department Administrator II) until her resignation in September of 2009, Maria Daw (Unit Administrator I), Shoshana Handel (Academic Advisor), and hired in May of 2010 was Mapela Motshabi-Custodio (Grants Coordinator).

A number of faculty members held administrative positions. Within the Department for 2009-2010, Robert Berrens served as the Chair, Kristine Grimsrud served as the Graduate Director, and Melissa Binder served as the Undergraduate Director. Alok Bohara was the Director of the Nepal Study Center (NSC), and David Brookshire was the Director of the Science Impact Laboratory for Policy and Economics (SILPE).

Outside of the Department, Professor Phil Ganderton served as the Associate Dean for the College of Arts and Sciences in 2009-2010, as well as the Director of the BAMD program. Other Economics faculty members who were appointed to administrative positions include Professor Richard Santos serving as Chair of Geography (2009-2010), and Professor Christine Sauer serving as the Director of the International Studies Institute (three-year term). Professor Robert O. Valdez, under a secondary appointment (0.0 FTE in Economics) served as the Executive Director of the Robert Woods Johnson Foundation Center for Health Policy. With these various administrative appointments outside of the Department, the effective size (FTE) of the Economics faculty for 2009-2010 was 13.

There were a number of significant international initiatives in the Department, including several foreign learning experiences for students. In Summer 2010, lead by Assistant Professor Matias Fontenla, a group of undergraduates traveled to Nicaragua as part of an ECON 423/428 Sustainable Development Study Abroad course. The visit helped enhance students' knowledge of poverty, inequality, and under-development in Nicaragua. Professor Christine Sauer also led a group of students to Schloss Dyck, Germany to take an ECON 478 class at the UNM cooperative facilities there.

For 2009-2010, the Department of Economics continued recent trends in achieving record high levels of undergraduate majors (n=263) and total student credit hours (SCHs), as detailed in

Section 6 (below) of this Annual Report. Undergraduate majors have grown a net total of 144% (from 115 to 263) over the last decade. Graduate students (60) also continued to hover near record levels for the Department. Once again in the Department, SCHs were over 6,000 for both Fall and Spring Semesters. The Fall and Spring combined semester total was 12,920 SCHs, and further combined with the Summer 10 semester to total 13,727 SCHs. All of these were records for the Department.

Finally, as detailed below in Sections 3-5 of this Annual Report, faculty continued to publish significant peer-reviewed research and generate research grants (over $2 million of outside support – almost double the support from last year), and sustain important service and community engagement activities.

2. Significant Plans and Recommendations for the Near Future

Assistant Professor Matias Fontenla will be completing the Tenure and Promotion (to associate professor) review during the 2010-2011 academic year.

The Department continues with the Success Initiative including a Success Economics 106 class taught by Dr. Kate Krause, with 9 associated laboratory/recitation sessions to be taught by 3 graduate assistants, 2 of which are funded under the Success program. Dr. Melissa Binder will continue to teach the Success Economics 105 course, with similar student training and support.

The Department is continuing efforts on Outcomes Assessment under the leadership of Associate Professor Binder (Undergraduate Director) and Associate Professor Grimsrud (Graduate Director)

The Department continues to increase our connections and engagement with the RWJF Center for Health Policy. In 2009-2010, we had 4 PhD Doctoral Fellows, and 2 Dissertation Fellows in our PhD program receiving support from the Center. In addition, three faculty members (Professor Alok Bohara, Associate Professor Kate Krause, and Assistant Professor Matias Fontenla) have had research proposals funded by the Center (all with additional research assistant [RA] support for graduate students. We will continue to develop our relationships with this Center and its innovative programs).

Economics Faculty will continue to produce new knowledge and support graduate students through successful research grant application and awards. The equivalent of five (0.5 FTE) graduate students, not including those [4] supported by the RWJF Center, will be supported by funded research in Fall 2010, with a similar number expected for Spring 2011. The Department will continue to house two different centers, the Nepal Study Center (NSC) [Professor Alok Bohara, Director] and Science Impact Laboratory for Policy and Economics (SILPE) [Professor David Brookshire, Director], which both have current grant funded research for 2010-2011. Multi-year grant activities include, a joint venture research agreement with the USDA's Forest Service's Rocky Mountain Research Station (Professor Berrens and Associate Professor Thacher) and a EPSCOR grant with the NSF (Professor Chermak). There is also a large grant with the American Water Works Association (Associate Professor Thacher and Professor

Chermak), and a significant grant, totaling more than 1.8 million, with the MRDC, through funding from the Gates Foundation (Associate Professors Krause and Binder).

3. Publications

Dr. Robert Berrens: (* denotes graduate student co-author)

*Izon, G., M. Hand, M. Fontenla, and R. Berrens. 2010. "A Hedonic Pricing Analysis of Inventoried Roadless Areas and Wilderness Areas in New Mexico." ***Contemporary Economic Policy***, Forthcoming (Published online: DOI: 10.1111/j.1465-7287.2009.00190.x).

Mozumder, P., R. Helton, and R. Berrens. 2009. "Provision of a Wildfire Risk Map: Informing Residents in the Wildland Urban Interface." ***Risk Analysis***, 29(11):1588-1600.

*Shepherd, C. K. Grimsrud, and R. Berrens. 2009. "Determinants of National Fire Plan Fuel Treatment Expenditures: A Revealed Preference Analysis for Northern New Mexico." ***Environmental Management***, 44(4):776-788.

Vazquez Mazariegos, W., J. Hernandez-Arce, P. Mozumder and R. Berrens. 2009. "Household Willingness to Pay for Safe Drinking Water: Evidence from Parral, Mexico." ***Journal of Environmental Management***, 90(11):3391-3400.

Book Chapter:

List, J., R. Berrens, A. Bohara and J. Kerkvliet. 2009. "Examining the Role of Social Isolation on Stated Preferences." Chapter 17, In: R. Brooks, N. Keohane, and D. Kysar (eds.) *Economics of Environmental Law, Volume II: Issues and Applications*. Edward Elgar Publishing. Cheltenham, UK. [**Reprinted from**: *American Economic Review*, 94(3)L 741-752.]

Dr. Melissa Binder:

Binder, M., K. Krause, J. Chermak, and J. Thacher, and J. Gilroy. 2010. "Gender Pay Differences for the Same Work: Evidence from a United States Public University." ***Feminist Economics***, Forthcoming.

Binder, M. 2009. "Why are Some Low Income Countries Better at Providing Secondary Education?" ***Comparative Education Review***, 53(4):513-534.

Dr. Alok Bohara:

Katuwal, H., A. Bohara. 2009. "'Healthy Children: Does Mothers' Demand for Antenatal Care Matter for Child Health in Nepal?" *Renewable & Sustainable Energy Reviews,* Forthcoming.

Dr. David Brookshire:

Broadbent, C., D. Coursey, and V. Tidwell. "Water Leasing: Evaluating Temporary Water Rights Transfers in New Mexico through Experimental Methods." ***Natural Resource Journal***.

Goodrich, D., D. Dixon, L. Brand, K. Benedict, K. Lansey, J. Thacher, C. Broadbent, S. Stewart, M. McIntosh and D. Kand. "A Framework for Preserving Semi-Arid Regions in the Southwest," ***Journal of Contemporary Water Research & Education***.

Broadbent, C. D. Coursey, V. Tidwell, D. Brookshire, "Creating Real Time Water Leasing Market Institutions: An Integrated Economic and Hydrological Methodology," ***Journal of Contemporary Water Research & Education***.

SAHRA -- Year 10 progress report -- 3 components-- 1)Water Leasing (C. Broadbent, D. Coursey, V. Tidwell) , 2) Integrated Modeling (J. Thacher) and 3) Urban Water Demand) (J. Chermak, Kate K.) -- part of the annual reporting process; Dec. 2009.

USEPA – "Integrated Modeling and Ecosystem Valuation", (J. Thacher, and the research team) -- part of the annual progress reporting; July 2009

MIMBRES – Report on the Mimbres Basin: Establishing a roto-type Water Leasing Market" (with C. Broadbent, W. Cain, D. Coursey, M. McIntosh, V. Tidwell, A. Williams) March 2009., Sandia and USGS Report -- part of the annual reporting process;

Dr. Janie Chermak:

Stowe, C., K. Krause, Chermak, J. 2010. Preferences for Privacy and Security: An Experimental Investigation. ***Economics of Peace and Security Journal***, 5(1):34-42.

Binder, M., J. Chermak, J. Gilroy, K. Krause, J. Thacher. 2010. Gender Pay Differences for the Same Work: Evidence from a United States Public University. ***Feminist Economics***. 16 (4): Forthcoming.

Don Coes:

Amann, E., W. Baer, D. Coes 2010. "Introduction" Chapter 1, In: E. Amann, W. Baer and D. Coes (eds.) *Energy, Bio Fuels and Development: Comparing Brazil and the United States*. Routledge

Coes, D. 2010. "Energy Independence and Economic Efficiency in Brazilian Trade" Chapter 7, In: E. Amann, W. Baer and D. Coes (eds.) *Energy, Bio Fuels and Development: Comparing Brazil and the United States*. Routledge.

Dr. Matias Fontenla

Izon, G., M. Hand, M. Fontenla, and R. Berrens. 2010. A Hedonic Pricing Analysis of Inventoried Roadless Areas and Wilderness Areas in New Mexico. ***Contemporary Economic Policy***, Forthcoming (Published online: DOI: 10.1111/j.1465-7287.2009.00190.x).

Fontenla, M. (2009). Liquidity Provision and Banking Crises with Heterogeneous Agents.

Macroeconomics Dynamics, 13(S):118-132.

Dr. Kristine Grimsrud:

Shepherd, C., K. Grimsrud, and R. Berrens. 2009. Determinants of National Fire Plan Fuel Treatment Expenditures: A Revealed Preference Analysis for Northern New Mexico. ***Environmental Management***, 44(4):776-788.

Dr. Brady Horn

McCluskey, J., C. Durham, and B. Horn. 2009. Consumer Preferences for Socially Responsible Production Attributes across Food Products. ***Agricultural and Resource Economics Review***, 38(3): 345-356.

Dr. Kate Krause

Stowe, C., K. Krause, Chermak, J. 2010. Preferences for Privacy and Security: An Experimental Investigation. ***Economics of Peace and Security Journal***, 5(1):34-42.

Dr. Christine Sauer:

Lange, C. and C. Sauer. 2010. A Modular Approach to Seigniorage in a Monetary Union. ***International Journal of Monetary Economics and Finance***, 3(1): 50-68

Dr. Jennifer Thacher:

Brookshire, D., D. Goodrich, M. Dixon, L. Brand, K. Benedict, K. Lansey, J. Thacher, C. Broadbent, S. Stewart, M. McIntosh and D. Kang. 2010. Ecosystem Services and Reallocation Choices: A Framework for Preserving Semi-Arid Regions in the Southwest. ***Journal of Contemporary Water Research & Education***, 144: 1-14.

Binder, M., K. Krause, J. Chermak, and J. Thacher, and J. Gilroy. 2010. "Gender Pay Differences for the Same Work: Evidence from a United States Public University." ***Feminist Economics***, Forthcoming

Lazo, J., D. Waldman, B. Morrow, J. Thacher. 2010. Household Evacuation Decision Making and the Benefits of Improved Hurricane Forecasting: Developing a Framework for Assessment. ***Weather and Forecasting***, 25:207-219.

4. Outside Professional Activities

Dr. Robert Berrens:

Served as Associate Editor, *Water Resources Research.*

Served as Co-Editor of *Contemporary Economic Policy.*

Served as Member, Technical Advisory Panel, Collaborative Forest Restoration Program, US Department of Agriculture, Forest Service, Region 3, Albuquerque, NM.

Reviewer for Journals:
Environmental Management, Journal of Natural Resource Policy Research, Journal of Environmental Economics and Management, Risk Analysis

Dr. Melissa Binder:

Interdisciplinary Committee for Latin American Studies (ICLAS), at UNM

Binder, M., A. Girdner. 2009. The Cultural Economy, Cultural Entrepreneurship and Children's Well Being in New Mexico. The Global Center for Cultural Entrepreneurship, Santa Fe, NM.,.

Dr. Alok Bohara:

Served as editor. *Himalayan Journal of Development and Democracy (HJDD),* and *Liberal Democracy Nepal Bulletin (LDNB)*

Katuwal, H.* , A. Bohara and J. Thacher. "Benefit Estimation for Water Quality Improvement in the Bagmati River: Choice Experiment." Fourth Annual Himalayan Policy Research Conference (38th South Asian Conference at the U. of Wisconsin), Nepal Study Center, University of New Mexico, Madison, October 22, 2009.

Coordinated and helped organize the Fourth Annual Himalayan Policy Research Conference (37th South Asian Conference at the U. of Wisconsin), Nepal Study Center, University of New Mexico, Madison, October, 2008.

Member of the editorial board, Proceedings and Paper Abstracts of the Third Annual Himalayan Policy Research Conference (38th South Asian Conference at the U. of Wisconsin), Nepal Study Center, University of New Mexico Madison, October, 2009

Dr. David Brookshire:

Presentations:
"Markets and Ecosystems", Gila Planning Economic Forum", sponsored by the Interstate Stream Commission, May 28, 2009, Silver City, NM

"The Scientific Foundation for Ecosystem Valuation in the San Pedro and the Southwest", Ecological Society Meetings, Albuquerque, NM Aug 2009 (with D. Brookshire, K. Benedict, L. A. Brand, C. Broadbent, J. Cavner, M. Dixon, D. Goodrich, K. Lansey, M. McIntosh, H. Richter, S. Stewart, J. Stromberg, J. Thacher).

"Using Survey Methods to Value the Impact of Changes in Water Level: The San Pedro Riparian National conservation Area", Ecological Society Meetings, Albuquerque, NM, 2009, (with D. Brookshire, K. Benedict, L. A. Brand, C. Broadbent, M. Dixon, D. Goodrich, K. Lansey, M.

McIntosh, H. Richter, S. Stewart, J. Stromberg, J. Thacher).

"Ecosystems Restoration in the San Pedro, AZ and Middle Rio Grande, NM", SAHRA Annual Meeting, Tucson, AZ, September 2009 (with D. Brookshire, J. Thacher, and research team).

"The Scientific Foundation for Ecosystem Valuation in the San Pedro and the Southwest, Ecological Society Meetings, Albuquerque, NM. August 2009 (with K. Benedict, A Brand, D. Brookshire, J. Cavner, M. Dixon, D. Goodrich , K. Lansey, M. McIntosh, H. Richter, S. Stewart, J. Stromberg, J. Thacher).

SAHRA annual meeting, Plenary Speaker, "After Restoration: A Framework for Preserving Semi-Arid Regions in the Southwest", 3rd National Conference on Ecosystem Restoration, July 21, 2009, Los Angeles, CA.

Invited speaker, "Real Time Natural Resource Markets for Water Leasing and Ecosystem Services", University of Nebraska-Lincoln Water Center – Sixth Annual Water Law, Policy, and Science Conference, Lincoln Nebraska, April 29-30, 2009.

Co-Organized (With Bobby Creel and Steve Piper) the "Gila Economic Forum", Silver City, NM May 28, 2009.

"Assessment of Goods and Valuation of Ecosystem Services (AGAVES) project," Invited Workshop. January 27-30, 2009, Tucson, AZ.

USEPA workshop – "Final Indicators of Ecosystem Services for Streams", July 13-16, 2009, Denver, CO.

"Land-Carbon Workshop", USGS Reston VA, Dec 1-3, 2009.

Garner, C., D. Boyle, S. Basset, S. Markstrom, D. Brookshire, C. Broadbent, D. Coursey, V. Tidwell, H. Gupta, E. Triana Poster: "Assessment of the Feasibility of Water Leasing in the Middle Rio Grande, NM Using a Hydrologic Model, SAHRA Annual Meeting, Tucson, AZ, Sept 2009.

Broadbent, C., D. Brookshire, D. Coursey, V. Tidwell Poster: "Establishing Proto-Type Water Leasing Markets in New Mexico", SAHRA Annual Meetings, Sept. 2009, Tucson, AZ.

Goodrich,D., D. Brookshire, J. Thacher, C. Broadbent, M. Dixon, A. Brand, K. Benedict, K. Lansey, J. Stromberg, S. Stewart and M. McIntosh Poster: "How Much is Your Ecosystem Worth? Science-Based Ecological Valuation in the Semiarid Southwest, American Geophysical Union Chapman Conference, Sun Valley, ID, Oct 2009.

Dr. Janie Chermak:

National Academy of Science. Committee on Understanding the Impact of Selling the US Helium Reserve. 2008-2009.

Proposal Reviews for:
The National Science Foundation
Social Sciences and Humanities Research Council of Canada

Manuscript Reviews for:
Journal of Environmental Economics and Management, Contemporary Economic Policy, Land Economics, Economic Inquiry

"My Neighbor's Cattle: Strategic Behavior in a Spatial-dynamic Model with an Invasive Weed," presented in the Agricultural Economics and Rural Sociology Seminar Series, Pennsylvania State University: University Park, PA: November 5, 2009.

"Strategic Agent Behavior with an Invasive Weed," 2009 PREISM Workshop, USDA, Washington, D.C.: October 22, 2009.

"Potential Impacts of Climate Change to New Mexico," with Kristine Grimsrud: Fifth Annual Meeting of the Radioactive and Hazardous Materials Committee, Santa Fe, NM, November 12, 2009.

"Integration of Urban Water Demand Experiments into a DS Model," presented at the 9th Annual Meeting of SAHRA, an NSF funded Science and Technology Center, Tucson, AZ: September 24, 2009.

"Climate Change will Cost No Matter What," presented at the League of Women Voter's Climate Change Workshop, Albuquerque, NM: August 21, 2009.

"Economic Considerations of Desalination," presented at the Middle Rio Grande Water Assembly Workshop *Silver Bullet of Pipe Dream?"* Albuquerque, NM: February 21, 2009.

Dr. Don Coes:

LAII, UNM, Operations Committee.

Veteran's Working Group, UNM, 2009-10

Dr. Matias Fontenla:

Big Brothers Big Sisters of Central New Mexico, big volunteer, Fall 2009-present

UNM Mountaineering Club, Faculty Advisor, Spring 2010 - present.

Kappa Sigma Fraternity, Faculty Advisor, Spring 2010 - present.

RWJF Center Fellowships selection committee, Spring 2009 - present.

Grants and Awards committee, Latin American and Iberian Institute, Fall 2007 - present.

Graduate Studies Committee, Dept. of Economics, Fall 2008 - present.

Latin American Studies core exam committee, Latin American and Iberian Institute, Fall 2005 -- present.

Chair, Macroeconomics core exam committee, Dept. of Economics, Fall 2009 - present.

EGSO, Economics Graduate Student Organization faculty advisor, Fall 2008 - present.

"Are Recessions Good for Everyone's Health?" RWJF workshop, Albuquerque, November 2009.

"Microfinance Repayment Rates: Evidence from Grameen Argentina". Guanajuato Workshop for Young Economists, Guanajuato, Mexico, August 2009.

"Are Recessions Good for Everyone's Health?" Western Social Sciences Association, Albuquerque, April 2009.

"Gender and Group Influence on Microfinance Repayment Rates: Evidence from a Grameen Replica in Argentina" Responses to Globalization in Latin America: Employment, Entrepreneurship and Development, conference jointly organized by the UNM Anderson School of Management and the Latin American and Iberian Institute, February 2009.

Dr. Kristine Grimsrud:

Journal Review:

Journal of Environmental Economics and Management, Water Resources Research, Journal of Developing Areas

Textbook Review

"The Economics of the Environment" by Peter Berck and Gloria Helfand, November 2008 and June 2009.

2008-2009: Economics Representative of Interdisciplinary Faculty Search Committee which recruited Assistant Professor Brady Horn, Dept. Economics, UNM

Member of the Steering Committee of the Economics Program of The Climate Leadership Initiative, University of Oregon Institute for a Sustainable Environment

Presented for the New Mexico State Legislature's Committee on Radioactive and Hazardous Materials during their fifth meeting, Nov 12-13, 2009, regarding the costs of climate change of under a business-as-usual scenario.

Member of the Customer Advisory Committee of the Albuquerque Bernalillo County Water Utility Authority (confirmed by the board of ABWUA on January 27, 2010).

Radio interview with 7 and 8th graders at Roots and Wings Community School on the topic of sustainability and Haiti 2/27/10. Part of the series Good Seed and Bad Seed (prx.org)

Grimsrud, K., J. Chermak, K. Krause, and J. Thacher. "A Game Theoretic Model of Rancher Responses to Diffusing Weed Infestations" Presented in AERE session at American Applied Economics Association Meetings, Milwaukee, WI, July 26-28, 2009. Presenter: Kristine Grimsrud

Grimsrud, K., J. Chermak, K. Krause, and J. Thacher. "A Game Theoretic Model of Rancher Responses to Diffusing Weed Infestations" Western Social Science Association Meetings, Albuquerque NM, April 15-17, 2009. Presenter: Kristine Grimsrud

Tevie, J. and K. Grimsrud "Biodiversity Risk in the U.S." Wester Social Science Association Meetings, Albuquerque NM, April 15-17, 2009. Presenter: Justin Tevie

Riter, A. "Consumer Willingness to Pay for Water Conservation in the Framework of Renewable Energy Projects" July 8, 2009, *Chair, Passed with Distinction.*

Dr. Brady Horn:

DWI Leadership Team, New Mexico

Manuscript Reviews for:
Agricultural and Resource Economics Review, Contemporary Economic Policy

Dr. Kate Krause:

"Essential Elements of a Productive STEM Infrastructure" (Plenary Panel). QEM Network Outreach Forum on Building STEM Research and Education Capacity at Hispanic-serving Institutions. Albuquerque, September 2009.

College Assessment Review Committee, 2008 – 09

Feminist Research Institute, Board Member, 2009 – current

Faculty Senate Budget Committee Member (current)

Peer Reviewer in 2009 for:

The American Economic Review, Experimental Economics, Economic Inquiry, Journal of Public Economics, Southern Economic Journal, Journal of Economic Behavior and Organization, American Sociological Review, Journal of Family Issues, Evolutionary Psychology

Reviewer for the National Science Foundation

"TGIF: Using Friday interactive sessions in a large lecture course." *Success in the Classroom UNM Conference*, February, 2009. (Poster Session)

Dr. Christine Sauer:

Liaison between UNM (Provost's Office and Accounting) and Schloss Dyck Foundation to complete paper work (incl. tax forms) and finalize arrangements for UNM payment for the 2009 UNM Summer School at Schloss Dyck, August-September 2008.

Organizer and Host, "Revolutions of 1989: From Tiananmen Square to the Berlin Wall," ISI Fall Lecture Series with 7 events/lectures, UNM campus, November 2-9, 2009.

External Evaluator for promotion to Full Professor, University of Minnesota, Morrison, July 2009.

Session Organizerand Moderator, "Topics in International Economics," (Featuring papers by 4 UNM graduate students), Western Social Science Association Annual Conference, Albuquerque, April 2009.

2008-2009 Outstanding Teacher of the Year Award

Chair, Honors Thesis, Jeremy Landrum, "Economic Growth and Financial Development: Reconciling Theory and Reality in the BRIC Nations," completed in May 2009.

Supervisor for Independent Study (Econ 551), Michael Morrison, "Testing for Price Convergence in an Online Virtual Economy," Fall 2009

Teaching Mentor for Alejandro Prera, Econ 303, Spring 2009.

Organized and taught in 2009 UNM Summer School at Schlöss Dyck, Germany, Econ/Pols 478: "1989 and its Consequences for Germany and the EU," June 2009.

Liaison between UNM (Provost's Office and Accounting) and Schloss Dyck, Foundation to complete paper work (incl. tax forms) and finalize arrangements for UNM payment for the 2009 UNM Summer School at Schloss Dyck, May – September 2009.

Fundraiser, "Revolutions of 1989: From Tiananmen Square to the Berlin Wall," ISI Fall Lecture Series, $4,650 from various UNM departments/programs and other units.

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Dr. Jennifer Thacher:

RWJF Center for Health Policy: Recruitment committee member; made presentation at AEA Summar Training Program (UCSB)

Research Policy Committee

Affiliated member of Water Resources Program

Water utility advisory council vice-chair: Provide economic input to ABCWUA on Citizen's Advisory Council

Journal reviews:
J. of Envir. and Economic Management, Land Economics, Amer. J of Agricultural Economics, Resource and Energy Economics, Southern Economic Journal, Marine Resource Economics, Water Resources Research, North Amer. J. of Fisheries Management, Society and Natural Resources, Journal of Leisure Research,

Discussant: SEA, AAEA

Grant reviewer: South Asian Network for Development and Environmental Economics

Refereed
Thacher, J., Megan Marsee, Heidi Pitts, Jason Hansen, Janie Chermak. Willingness to Pay to Maintain Water Utility Infrastructure: A Comparison of the Choice Experiment and Contingent Valuation Methods. AERE session on Stated Preference Methods at SEA meetings. November 21, 2009. San Antonio, TX.

Thacher, J., K. Grimsrud, J. Chermak, K. Krause. The Decision to Manage Invasive Weeds: Which Factors Matter? AERE session on Invasive Species at AAEA meetings. July 27, 2009. Milwaukee, WI.

Grimsrud, K., J. Chermak, J. Hansen, J. Thacher, K. Krause. A Two-Agent Dynamic Model with an Invasive Weed Di□usion Externality: An Application to Yellow Starthistle (Centaurea Solitialis) in New Mexico. AERE session on Invasive Species at AAEA meetings. July 27, 2009. Milwaukee, WI.

Unrefereed
Thacher, J., J. Chermak, K. Grimsrud, K. Krause. Nipping It in the Bud: A Tale of Two Weeds and the Decision to Manage Them. Western Social Science Association Annual Meeting. April 2009. Albuquerque NM.

Thacher, J., D. Brookshire, L. Brand, M. Dixon, K. Benedict, J. Stromberg, D. Goodrich, C. Broadbent, M. McIntosh, and S. Stewart.Complex ecosystem valuation: A study in the San Pedro and Rio Grande. Ecological Society Association Annual Meeting. August 6, 2009. Albuquerque NM.

Brand, L., M. Dixon, J. Stromberg, D. Brookshire, D. Goodrich, S. Stewart, J. Thacher, K. Benedict, T. Fetz, G. Garber, M. McIntosh, and C. Broadbent.From flows to feathers to funds: Scenario modeling of vegetation and avian changes on the San Pedro and Rio Grande Rivers for ecological valuation. Ecological Society Association Annual Meeting. August 6, 2009. Albuquerque NM.

Stewart, S., M. Dixon, L. Brand, D. Brookshire, J. Thacher, C. Broadbent, and K. Benedict. Benefit transfer of ecological values for southwestern riparian areas. Ecological Society Association Annual Meeting. August 6, 2009. Albuquerque NM.

Other Talks
Thacher, J., K. Grimsrud, J. Chermak, K. Krause. The Decision to Manage Invasive Weeds: Which Factors Matter? Department of Economics, University of New Mexico, May 1, 2009. Albuquerque, NM.

Chermak, J., K. Krause, K. Grimsrud, J. Thacher, D. Schimmelpfennig, J. Hansen. Strategic Agent Behavior with an Invasive Weed. Invasive Species Management: 2009 PREISM Workshop. Washington, DC, October 22, 2009.

5. Research Grants and Contracts Funded

The department received the following grants to fund faculty and graduate research during this academic year. Total of $2,049,105.

US Forest Service
"A Continuing Research into Understanding Behavioral and Economic Responses to Forest Restoration Programs in the Southwest"
Berrens, R, Thacher, J.
Inception to Date: $206,216
$50,000
July 2009 – June 2010
Year 4 Funding

US Forest Service
"Economic Analyses in Support of National Forest Planning"
Berrens, R., Thacher, J.
Inception to date: $106,500
$22,000
July 2009 – June 2010
Year 5 Funding

US Forest Service
"Habitat use of Mountain Goats (Oreamnos americanus) in the Kenai Mountains, South-Central Alaska"
Bohara, A., Thacher, J.
Inception to date: $76,891

$38,041
July 2009 – June 2010
Year 2 Funding

USGS - SILPE
"A Collaborative Agreement Between USGS & SILPE: A Focus on Ecosystems & Institutional Frameworks"
Brookshire, D.
Inception to date: $100,000
$100,000
May 2010 – June 2011
Year 1 Funding

USGS
"Carbon Sequestration Valuation Methodology Development"
Brookshire, D.
Inception to date: $230,000
$15,000
September 2009 – September 2010

NM State Engineer's Office
"Water Leasing Market in Upper Mimbres Basin"
Brookshire, D.
$100,001
July 2009– June 2010

National Science Foundation
"Subproject for the main EPSCOR Project"
Chermak, J.
Inception to date: $48,025
$36,250
September 2009 – August 2010
Year 2 Funding

MDRC
"A Demonstration of Performance Based Scholarships – University of New Mexico Site"
MRDC through the Bill and Melinda Gates Foundation (total over $1.7 million through 2011)
Krause, C., Binder, M.
Inception to Date: $1,858,517
$1,512,926
July 2009-June 2010
Year 2 Funding

MDRC
"Performance-Based Scholarships"
Krause, C., Binder, M.

Inception to Date: $105,280
Extended w/o new funding
July 2009-June 2010

Children Youth and Families
"STIMULUS: Infant and Toddler Cost Study: Childcare Workforce Study"
Krause, C., Binder, M.
Inception to Date: $174,887
$174,887
July 2009-June 2010

American Water Works Association (AWWARF)
"Setting Water Utility Investment Priorities: Assessing Customer Preferences and Willingness to Pay"
Thacher, J., Chermak, J., Thomson, B.
Inception to date: $324,972.00
No New Funding
July 2009-November 2010

6. Student Information

Bachelor of Arts Degrees Conferred
Bachelor of Arts degrees conferred in 2009-2010 academic year (59):

Angelo A.Arellano,
Jordan L.Barela
Jose R.Bucheli Penafiel
Alexis M.Bullington
Robert D.Cain
Robert M.Campbell
Ian H.Colburn
Clifton B.Colwell
Aaron R.Dankert
John D.Denson
Selina N Dewji
Stephanie J.Dominguez
Fadi SEl-Yassin
Mikel C.Evans
Brandi R.Ewing
Victoria A.Gammill
Luis A.Garcia Merino
Daniel J.Gonzales
Jason D.Goodman
Saul R.Griego
William H.Harrell
Nicole J.Hash

Jonathan W.Hesketh
Walter R.Hopp
Collier R.Hunter
Ryan D.Inman
Tanya S.Jeffries
Megan M.Johnsen
Susanna M.Lester
Daniel P.Lewis
Marco A.Llanos Garrido
Kim Mabry
Bryan JMachtinger
Charles F.Manning
Trevor J.McCormick
Colin J.Mitchell
Bailey K.Montoya
Brian L.Moore
Martin J.Muldowney
Kim T.Nguyen
David S.Niemeyer
Mark A.Probasco
Alyssa M.Rivera
Theresa M.Rogers
David G.Sanchez
Fernando A.Santillanes
Penny A.Scanga
Michael A.Sherer
Braeton J.Smith
Nathan C.Stephenson
Nancy R.Storey
Darren M.Thompson
Michael K Tsosie
Diego A.Tudela Arteaga
Thurman Tully
Derek C.Valdo
Alex J.Vogel
Robert S White
Aaron L.Woods
Angelo A.Arellano,
Jordan L.Barela

Master of Arts Degrees Conferred

Masters of Arts degrees conferred in 2009-2010 academic year (9):
Dennis H.Barber
Leilani K.Burrows

Angely A.Carcamo Gallardo
Prodyut Das
Daniel J.Delfino
Lauren K.Moore
Tunay Oguz
Jose E.Olivares
James I Price

Doctoral Degrees Conferred **(Committee Chair)**
Doctor of Philosophy degrees conferred in 2009-2010 academic year (2):

Bishwa Koirala: Chair: - Dr. Alok Bohara; Members: Robert P. Berrens, Jennifer Thacher and Wendy L. Hansen

Rohnn Sanderson: Chair – Dr. Phillip Ganderton; Members: Dr. Don Coursey, Dr. Philip Ganderton, Dr. Vince Tidwell

J. Raymond Stuart Award

Dennis Hubert Barber III
Jeff Felardo
Kathryn Overton

Graduate Student Mentor Award, Office of Graduate Studies, UNM

Heidi Pitts

Dean's Dissertation Scholarship, Office of Graduate Studies, UNM

Hari Katuwal

Higher Education Department Graduate Scholarship, Office of Graduate Studies, UNM

Johnnita Tsabetsaye

Tom L. Popejoy Dissertation Prize, Office of Graduate Studies, UNM

Jason Hansen

Distinguished Alumnus:
David Brookshire BA: 1970 Economics, California Date University
PhD: 1976, Economics, University of New Mexico.

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Number of Majors

Academic Year	Undergraduate	Graduate
1987-88	132	40
1988-89	N/A	44
1989-90	74	N/A
1990-91	133	41
1991-92	121	43
1992-93	103	49
1993-94	97	57
1994-95	88	48
1995-96	72	48
1996-97	86	54
1997-98	124	40
1998-99	115	44
1999-2000	147	39
2000-2001	112	34
2001-2002	118	38
2002-2003	141	45
2003-2004	131	49
2004-2005	135	54
2005-2006	123	59
2006-2007	174	65
2007-2008	245	62
2008-2009	294	60
2009-2010	263	60

Fall Credit Hours by Course Level: 1997-2009

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
100	2694	3048	3684	4161	4272	4245	4365	5034	4101	4446	4314	4410	4560
200	105	87	192	309	270	333	231	279	309	261	276	255	243
300	1659	1365	1011	858	690	867	753	900	937	1053	1133	1263	1464
400	220	192	281	127	208	123	327	122	153	169	203	134	80
500	227	192	212	212	267	348	338	407	358	442	387	441	467
600	108	0	123	115	105	90	78	54	72	66	84	102	99
Total	**5015**	**4884**	**5503**	**5782**	**5812**	**6036**	**6092**	**6796**	**5930**	**6437**	**5930**	**6605**	**6913**

Spring Credit Hours by Course Level: 1997-2009

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
100	0	0	2874	3303	3558	3639	4035	4263	4026	4197	3768	3876	3636
200	3033	2652	195	261	0	0	0	27	0	0	33	159	138
300	1440	1506	1368	1488	888	1167	1164	999	1089	1068	1194	1374	1431
400	221	228	174	149	159	106	125	203	290	213	307	271	365
500	299	264	270	204	172	202	247	325	333	309	330	360	329
600	78	75	117	123	111	91	102	87	69	66	70	141	108
Total	**5071**	**4725**	**4998**	**5528**	**4888**	**5205**	**5673**	**5884**	**5807**	**5853**	**5702**	**6181**	**6007**

University of New Mexico English Department Annual Report 2009-10
Compilation of Department Associate Chairs' and Directors' Reports
by Acting Chair Daniel Mueller
November 5, 2010

Overview:

The Department of English Language & Literature has two overarching rubrics: Undergraduate and Graduate Programs; and six programmatic sections: Rhetoric & Wrting (RW) Core Writing, Creative Writing (CW), British/Irish Literary Studies (BILS), American Literary Studies (ALS), and Medieval Studies (MS). During Professor Gail Houston's first year as Chair, she appointed Professor Anita Obermeier to Associate Chair for Graduate Studies, Professor Daniel Mueller to Associate Chair for Undergraduate Studies, Professor Jesse Aléman to Associate Chair for Tenure and Promotion, and Professor Wanda Martin to Associate Chair for Core Writing. In addition, Professor Julie Shigekuni served as Director of CW, Professor Scott Sanders served as Director of RW, Professor Gary Scharnhorst served as Director of ALS, and Professor Helen Damico served as Director of BILS and MS.

Assistant Professors Aeron Hunt and Marissa Greenberg earned successful mid-probationary evaluations. Associate Professor Diane Thiel and Anita Obermeier were both promoted to Full Professor. Associate Professor Wanda Martin's case for promotion was successful at the Departmental level but unsuccessful at the College level, raising concerns in the English Department as a whole about the value of service to the University. Professor Martin served tirelessly and well for many years as the Director of Core Writing, and then as the Associate Chair for Core Writing.

The English Department suffered two separations of tenured faculty, one a blow to the RW program, the other a tragedy to the entire University community. Associate Professor Susan Roman retired after ten years of service and teaching in RW and was awarded emeritus status. Professor Hector Torres and his girlfriend American Studies Ph.D. candidate Stephania Grey were murdered at gunpoint in their home, and memorial services were held in their honor. UNM presented Professor Torres its coveted Presidential Luminaria Award posthumously.

Sabbaticals were awarded to Greg Martin (2 semesters), Michelle Hall Kells (2 semesers), Finnie Coleman (2 semesters), Susan Romano, Scott Sanders, and David Richard Jones. Diane Thiel and Feroza Jussawalla were awarded leaves of absence. Gary Harrison was appointed to Associate Dean of Graduate Studies. David Dunaway continued to divide his time between UNM and San Francisco State University. Marissa Greenberg received an NEH grant that will support her leave from teaching until Spring 11.

By far the biggest undertaking and accomplishment for the English Department last year was the completion of the *Self-Study for Academic Program Review* (APR), a 317-page document that describes in depth the English Department's program, compares it to those of UNM's peer institutions, identifies areas of excellence and concern, and forecasts future directions for each of the subgroups and the department as a whole. The Chair, with help from the Associate Chairs and Program Directors, and an extraordinary effort from Professor Lynn Beene, devoted many

hours to the drafting of this important document, which represents the concerted work of all faculty members and was read and evaluated by the four members of the APR Team (external reviewers Patricia Okker, University of Missouri; Duane Roen, Arizona State University; and Beverly Taylor, University of North Carolina at Chapel Hill; and internal reviewer John Taber, Dept. of Philosophy, University of New Mexico).

In its analysis, the APR Team called the self-study "the most comprehensive we have seen" and commended the English Department "for providing such a detailed and insightful report." A summary of the strengths identified by the team include:
--"a faculty of dedicated and hard-working teachers" whom students describe "as approachable and encouraging and interested in them as individuals" as well as "inspiring mentors"
--"The faculty are productive scholars committed to their creative and scholarly work"
--"The department has obviously done an excellent job hiring in recent years, as evidenced by the strong group of assistant professors"
--"The department has a strong reputation for training its graduate students as teachers, a reputation that seems very much deserved"
--the department has an "exceptional record of innovative internships and community-based projects" which include "the world-class Taos Summer Writers' Conference, the Write On Workshops, and the impressive work done with local nonprofit organizations within the grant-writing course."

The team also identified several "Challenges and Opportunities":

A. Though the department takes great pride in helping students to become effective writers, there do not appear to be adequate resources to sustain high levels of instruction in the Core Writing Program, which includes English 101, 102, 219, and 220. One remedy may lie in allowing students to substitute writing courses from other departments for English 102. Another option may lie in eliminating English 102 altogether and developing a "vertical program" that includes writing across the curriculum (WAC) and writing within the discipline (WID).
B. Morale among department faculty, students, and staff has been negatively affected by the following factors: 1) the loss of key faculty members through retirements, resignations, and appointments to administrative posts outside the English Department; 2) a widely held perception that the English Department isn't valued on campus, but seen as a "service" unit rather than as a viable academic program with strong research and teaching; 3) the traumatic incidents in the Creative Writing Program in 2001-08 and the fact that a faction of faculty members continues to feel deeply hurt and concerned about these events.
C. A heavy reliance on part-time instructors (PTIs), a curriculum that requires the department "to do too much with too few faculty," undergraduate concentrations that aren't aligned, and a preponderance of slash courses unpopular with graduate students suggest an adherence to a "coverage" model that is outdated and fosters an environment in which programs, i.e., RW, CW, BILS, ALS, and MS, compete with one another for limited resources. In response, the English Department has committed itself to finding ways to decrease its reliance on PTIs, from converting Gaships to Taships to raising caps on Core courses, predominantly taught by PTIs, and thereby reducing the number of Core

courses offered. It has also drafted a "unified major" that emphasizes common requirements before offering three separate tracks in RW, CW, and Literary Studies.

D. The department could capitalize more on what is unique to UNM and the region. Linking the CW program, for instance, which sponsors readings by nationally and internationally renowned writers as well as readings in local coffee shops as a means of building community support, with Southwestern Studies is the type of joint venture, the team believes, that will attract donors. To this end, Professor Jesse Aléman has begun developing a Southwestern Studies concentration.

E. The department is inadequately staffed with tenure-stream faculty to "sustain all of its admirable efforts to offer first-rate courses and programs" at the graduate and undergraduate levels. RW and CW "are areas that could easily develop ever greater visibility with several key hires." Filling the vacancy left by Hector Torres's death is the department's first priority. Its second priority is filling the vacancy left by RW Professor Susan Romano's retirement. Its third priority is hiring poet Dana Levin as a permanent faculty member.

F. The department cannot continue to compensate every faculty member who assumes an administrative post with a course release each semester as well as a stipend (SAC) and meet its teaching obligations. Daniel Mueller, Associate Chair for Undergraduate Studies, taught a 2/1 load during his first term in the post, and other departmental administrators are considering doing the same.

Graduate Program

In F2009, Anita Obermeier started as Director of Graduate Studies (DGS). About a month into the Fall semester, Chair Gail Houston converted the Directorship into an Associate Chair of Graduate Studies (ACGS) position, effectively strengthening the Graduate Office's purview over all the sub-disciplines. Working with the Graduate Committee (GC), the ACGS implemented several new initiatives and policies (below); revised the Graduate Handbook; assembled a Deadlines document for the Graduate Office; ran orientation sessions; administered graduate examinations; led workshops for job seekers; assisted in scheduling for Spring and Fall graduate courses; advised graduate students; administered the annual admissions process; in conjunction with the GC's Scholarship Subcommittee reviewed and awarded nominations and applications for graduate travel grants, awards, and fellowships; conducted outcomes assessment and monitored the academic progress of graduate students; in collaboration with the Associate Chair of Core Writing awarded TAships and GAships; in collaboration with the Associate Chair of Undergraduate Studies decided literature course appointments for TAs and redesigned the Department's online scholarship page and process; oversaw the ongoing processing of petitions and proposals for individual reading lists, waivers, exceptions, and independent studies; administered the S2010 Academic Progress Review; processed departmental and OGS forms required for the management of the graduate program; spearheaded the redesigning of the graduate portion of the Department's website; facilitated a process by which graduate admissions files were available to the faculty online; and started the process to create a graduate student database.

I. Graduate Committee

Graduate Committee members, including representatives from all of the field group areas, consisted of Professors Anita Obermeier (Associate Chair), Lynn Beene, Scarlett Higgins (S2010

only), Matt Hofer (F2009) only, Dana Levin, Carmen Nocentelli, Chuck Paine, Hector Torres; Annarose Fitzgerald, PhD student, served as English Graduate Student Association (EGSA) representative; Ezra Meier, English Graduate Advisor, also served on the committee. Dan Cryer, GA for the Graduate Office, was present to take the minutes.

Graduate Committee Business. The Graduate Committee conducted regular business, including awarding RT grants, and reviewing policy and procedures. The committee approved minor policy changes that did not need to be approved through the department level (see below) and that will require minor revisions and additions to the English Department Graduate Studies Handbook. Members of the committee also participated in mock interviews for job seekers.

The Graduate Committee also heard and responded to the EGSA questionnaire about graduate students' perception of whether or not their academic needs are being met. Both Chair Houston and ACGS Obermeier met with EGSA representatives and graduate students in general to address the concerns brought forward by the EGSA survey.

New Policies / Procedures / Initiatives

1. The GC drafted a document titled, "Suggested Guidelines for Writing a PhD Prospectus" to be posted on the website under graduate student resources.

2. The GC recommended that the Department not schedule graduate intersession courses.

3. The GC voted on TAship time limits. Graduate students who are awarded a TAship after their first year lose those semesters of TAship privileges. For example, an PhD student who gets a TAship in his/her second year and not his/her first will have a maximum of 8 TA semesters instead of the normal 10.

4. The ACGS created a Scholarship Subcommittee comprised of two GC members and the ACGS to vet RT grants and departmental scholarship applications. Scarlett Higgins and Carmen Nocentelli volunteered for this committee.

5. The ACGS renamed previously titled English RPT (Research, Projects, and Travel) grants as RT (Research and Travel) grants in order to distinguish them from the OGS awards by the same name.

6. The ACGS and the Associate Chair of Undergraduate Studies reworked the departmental scholarship application process and website. Applications are now accepted via email, decided by the Scholarship Subcommittee; hybrid awards are discussed by the ACGS and the Associate Chair of Undergraduate Studies.

7. The GC voted that a student's COS must approve any individual reading list. Approval of the GC is not required. By the end of the semester before exams are taken, students will submit the individual lists and signature sheet, with signatures of approval from all COS members, to the ACGS for review.

8. With the help of programmer Sterling Coke, the Graduate office adapted and redesigned a database program originally made for the Math Department. The database went functional at the end of S2010 and has hugely simplified record keeping in the Graduate Office.

9. GC voted to include Creative Writing Internship hours into English 598. This necessitated only a minor Form A change, instead of an entirely new course as CW had requested.

10. In AY 2009-10, we saw the fruits of the first redesigned MA Literature candidates, especially their new portfolio and defense requirements. The ACGS serves on all MA Literature COSs ex officio and thus can oversee the quality of the portfolios and students.

II. Graduate Admissions

The Committee utilized the following process for reviewing applications for graduate admissions:

1. Graduate Committee collaborates with field groups for admission. As in the past, departmental field groups made selections, forwarding their rankings to the GC for further review. The GC divided into three groups with each group reading a third of all MA and PhD applications, chosen by the ACGS not to be in the GC members' field to provide a more equitable process for each applicant; the full committee then met to compare the field group rankings with the rankings of the graduate committee members. In some cases, the graduate committee recommended changes in the priorities of the field groups, leading to further discussion and final rankings. MFA applications were reviewed by the Creative Writing faculty, with the Graduate Committee providing oversight. The graduate committee used a scoring table devised by the ACGS to rank candidates.

The major change this year was that the Graduate Office worked very hard to make the applications available online to the evaluating faculty. To this effect, Dan Cryer created an account on PBWorks, to which all faculty needing to read the applications had login access. This online access meant that faculty did not have to wait for boxes of materials while other faculty were reading them. The applications were sorted by field group, as they would be in Ezra's boxes. We achieved this by having Dan Cryer, after FERPA training, scan all the applications in. This was a herculean effort both on Dan's and Ezra Meier's part, as Erza had to vet all applications first. For next year, we want to implement an online application system to decrease this huge burden on Ezra and the office GA.

2. TAships/TA Extensions. TAships were apportioned by means of committee process, with the full graduate committee involved in discussions for all TAs. Thirteen TAships were available for incoming graduate students. The GC voted to grant extensions to all six applicants for them, for one semester each. The ACGS has scrutinized the entire process of TAship allocation to incoming students, extension requesters, and students applying in their second or more year in the program and decided that these processes are not necessarily transparent or consistent. The ACGS has written a memo over last summer to Chair Houston and Associate Chair for Core Writing Sanders outlining the issues and offering solutions to be discussed and implemented in AY2010-11.

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Admissions Data

235 total applications (10 not sorted, too incomplete to know degree; 42 MA: 11 too incomplete to know concentration, 18 Lit, 8 R&W, 5 Med St; 140 MFA: 15 too incomplete to know concentration, 70 fiction, 33 CNF, 21 poetry; 42 PhD: 11 too incomplete to know, 23 Lit, 3 R&W, 5 Med St).

PhD Program in English

Total number of applications:	42
Total number offered admission:	18
Total number offered admission with TA:	9
Total number accepting admission:	10
Men / Women [Ethnic Minorities]	3 / 7 [3]

MFA Program

Total number of applications:	140
Total number offered admission:	18
Total number offered admission with TA:	5
Total number accepting admission:	12
Men / Women [Ethnic Minorities]	6 / 6 [3]

Master's Program in English

Total number of applications:	42
Total number offered admission:	21
Total number offered admission with TA:	1
Total number accepting admission:	12
Men / Women [Ethnic Minorities]	7 / 5 [2]

Field Group	Applied	Admitted	With TA*
MA Language/Literature	18	5	1
MA Rhetoric/Writing	8	2	0
MA Medieval Studies	5	5	1
MFA	140	12	5
PhD Language/Literature	23	4	3
PhD Rhetoric/Writing	3	3	2
PhD Medieval Studies	5	3	2

*Admitted students who were initially offered a TA. This year we did not offer more TAs than the positions that were available.

Admissions' Trends

	2005-06	2006-07	2007-08	2009	2010
Number of Applications*	PhD/MFA/MA	PhD/MFA/MA	PhD/MFA/MA	PhD/MFA/MA	PhD/MFA/MA
	46 / 110 / 20	44 / 110 / 26	31 / 85 / 30	43 / 97 / 44	42 / 140 / 42
Number Offered Admission	9 / 14 / 7	16 / 15 / 13	21 / 21 / 22	14 / 15 / 21	18 / 18 / 21
Number Who	9 / 14 / 7	8 / 15 / 10	11 / 8 / 10	6 / 6 / 12	10 / 12 / 12

Accepted Admission					

*Includes only complete applications (2007-2008 only), hence the lower than usual numbers.

III. Recruitment and Retention

The GC decided not send out posters and letters to various colleges that may be feeder schools for UNM's MA and PhD program. This was decided after we had included questions on the annual EGSA survey that asked students to identify how they found out about UNM. Seventy-five percent responded that the web was their primary tool. The GC suggested that we would improve the graduate portion of the website to make it more user friendly in the then overall overhaul of the English Department website. Dan Cryer was troubleshooting the existing website and then acted as a liaison with Megan von Ackermann to redesign the site. The redesign, however, did not have the desired result and the ACGS will be restarting these efforts in AY2010-11. We also discussed a Facebook page, but such a page has not yet been set up. For Fall 2010, we have had our biggest application pool ever, thus proving that dropping the letter mailing campaign did not adversely affect application rates.

On August 19, 2009 the ACGS in collaboration with the Core Writing Program held an orientation and hosted a welcome reception for incoming and returning students. The ACGS and Graduate Advisor met with all new students; then new students divided into field groups and met with the department's field group leaders for an hour. That meeting was followed by a general meeting for all new and returning graduate students (including TAs and non-TAs) to go over new policies and procedures. A reception followed.

IV. Graduate Enrollment AY2009-10

Fall 2009

Total enrollment for the graduate program in English, including new graduate students and subtracting dropped students, during Fall 2009 was **104** broken down as follows by degree program:

MA Program:	28 (10 R&W, 15 Lit, 2 Med Studies, 1 CW)
MFA Program:	36 (17 fiction, 8 poetry, 11 creative nonfiction)
PhD Program:	40 (25 Lit, 11 R&W, 4 Med Studies)
Total:	104

Spring 2010

MA Program:	28 (10 R&W, 15 Lit, 2 Med Studies, 1 CW)
MFA Program:	33 (14 fiction, 8 poetry, 11 creative nonfiction)
PhD Program:	40 (25 Lit, 11 R&W, 4 Med Studies)
Total:	101

Gender

Male: 25
Female: 79

Ethnicity (Both based on F2009)

White: 49
Hispanic: 13
Native American: 5

Asian American: 2
African American: 1
Undeclared: 34
International: 1 (China)

Thus, ca. 76% of the members of the graduate program are female.
18% of our students are from ethnic minority populations.

Dropped:
Five students have dropped from the program by not enrolling for three semesters. Dora Gerding left the MFA program after one year. Monica Garcia and Felicia Chavez left the MFA program after years. Valerie Shoudt left the program without the Lit MA after all. Adam Ruh left the program without the PhD.

V. Graduation
In 2009-2010, we graduated a total number of 15 students as follows:

Summer 2010 Graduates
PhD: none
MFA: Molly Beer, Emily Morelli, Christopher Boat
MA: Sarah Rehberg

Spring 2010 Graduates:
PhD: Cassandra Amundson
MFA: Daniel Darling, Lisa Gill, Erika Sanchez
MA: Melanie Demmer, Stephanie Spong, Sarah Williams, Jeremy Zuni

Fall 2009 Graduates:
PhD: None
MFA: Felicia Karas, Valerie Santillanes, Rudolfo Serna
MA: None

VI. 2009-2010 Graduate Awards and Honors
Graduate awards are given in Spring semester; RT (Research and Travel) grants are included under section X.

English Department graduate students who received academic awards and honors in AY 2009-2010 include the following:

<u>English Department Awards</u>
Arms Endowed Fellowship: Nicholas Albonico, Randall Gann, Jennifer Nader, Noreen Rivera, Stephanie Spong
Buchanan-Arms Award: Marisa Sikes
Hillerman/McGarrity Scholarship: Lucy Dupertuis
Joseph C. Gallagher Award: Annarose Fitzgerald
Mary M. McDonald: Bruce Carroll, Stacey Kikendall

Medieval Studies Awards
English Medieval Studies Travel Awards: Colleen Dunn, Doug van Benthuysen

College/OGS/University Awards
College of Arts & Scienes TA Teaching Award: Leah Sneider

OGS Future Faculty Award: Greg Evans ($2,000)

3% Scholarships: Lisa Gill, Richard Vargas, Sarah Rehberg (S2010), Rudolfo Serna (F2009)

Feminist Research Institute, Graduate Student Paper Prize, 2nd Place ($200): Leigh Johnson

Feminist Research Institute Graduate Student Research Grants: Leigh Johnson ($350), Stacey Kikendall ($250)

National Awards
American Association of University Women (AAUW) American Dissertation Fellowship ($20,000): Leigh Johnson

VII. Graduate Program Outcomes Assessment
The following students took comprehensive examinations; the examining committees completed outcomes assessment forms for each examination. The forms are on file in the graduate office.

MFA Examinations: Richard Vargas (Su10), Linda Rickert, Sam Tetangco, Melanie Unruh (Sp10), Dan Darling, Lisa Gill, Felicia Karas, Jennifer Krohn, Emily Morelli, Erika Sanchez (F09)
PhD Examination: Katie Denton, Greg Evans, Paul Formisano, Noreen Rivera (Sp10), Christine Kozikowski (F09)

VIII. Job Placement
The ACGS along with committee members Matt Hofer, Carmen Nocentelli, Chuck Paine, and volunteers Kathleen Washburn and Scott Sanders held a weekly series of workshops for our MLA jobseekers (a number of other faculty helped with mock interviews) in F2009: Cassandra Amundsen, Kelvin Beliele, and Leah Sneider. Of this group, all three were bonafide candidates far enough along in their work to be competitive. One student cast her net very narrowly and the other delayed her dissertation defense until Fall 2010.

Kelvin Beliele	Oklahoma State University (Visiting Assistant Professorship renewable)

IX. English Graduate Student Association (EGSA)
The Executive Council of the EGSA conducted a survey of all graduate students regarding their perceptions of how well the graduate program is meeting their academic needs. The results of the survey were reported to and discussed by the Graduate Committee. This second annual survey

received a much higher rate of response than in the previous year, most likely because it was also offered on the web.

EGSA ran a series of colloquia addressing academic and pedagogical issues that invited the participation of both graduate students and English Department faculty.

EGSA also planned and executed the Second Annual Awards Ceremony and Graduation Celebration in May 2010 where they handed out their own set of awards for faculty, staff, and students.

X. Graduate Student Professional Activities

Supported by funds the Graduate Office index, the GC Scholarship Subcommittee awarded $3712.90 in grants to support graduate student travel to deliver papers at professional conferences. The table "RT Applications: AY 2009-10" indicates the projects and the amounts funded.

Table 1: RT Applications: AY 2009-10

Name	Project	Date	Amount Req.	Outside Funding Req./Award	Awarded by Graduate Office
Carter, Genesea	Feminisms Rhetorics Conference	10-8-2009	$350.00	$350	$200.00
Fitzgerald, Annarose	PAMLA	11-5-2009	$405.00	SRAC $405/400	$0
Kikendall, Stacey	MMLA	11-12-2009	$232.90	SRAC $450	$232.90
Kinsey, Valerie	Feminisms Rhetorics Conference	10-8-2009	$875		$250
Sneider, Leah	MLA	12-28-2009	$600	S-CAP $600/000	$300.00
Alexander, Kate	RSA	5-28-10	$900	RW Program	$500.00
Beagle, Christine	Gothic Congress, Mexico	3-24-10	$500	RPT $795/000	$450
Brontesma, Robin	Southwest Popular CC	2-10-10	$150		$100.00
Cryer, Dan	RSA	5-28-10	$210	SRAC $337	$180.00
Johnson, Leigh	NACCS	4-7-10	$300	SRAC $453	$300.00
Kikendall, Stacey	British Women	4-8-10	$181	SRAC $276	$150.00

	Writers				
Kozikowski, Christine	Medieval Congress	5-12-10	$508.90	SRAC $	$325.00
Leahy, Elizabeth	RSA	5-28.10	$213	SRAC $373	$150
Murrah, Erin	CEA and NACCS	3-25-10 4-7-10	$170 $250	S-CAP $300 +500	$325
Rickert, Linda	Indiana University Archives	Summer 2010	$850		$250
Totals:	923185		$6786.80		$3712.90

There were other applicants whose applications did not correspond to RT funding guidelines requesting $5807; they are omitted here but information can be provided upon request.

XI. Recommendations

1. Fully populate the Graduate Database.

2. Develop and bring online an Online Admissions process.

3. Explore better ways to integrate graduate students without TAships into the department, as that continues to be a complaint in the EGSA survey.

4. Develop further funding sources for the Graduate Office to use for graduate student travel.

5. Redesign and add more content to Graduate Website.

6. Create a student page on the Graduate Website.

7. Refine the TAship allocation processes.

8. Keep down admissions for F2011, wait-listing more students, as there is too big a backlog now of graduate students who accepted admissions for Fall 2010 without funding.

9. Re-evaluate the need for the Academic Progress Review in light of the new graduate database.

Undergraduate Program

Daniel Mueller completed his first term as Associate Chair for Undergraduate Studies in English (ACUGS). Working with the Undergraduate Committee (UC), Undergraduate Academic Advisor Dee Dee Lopez, and the Undergraduate Program Graduate Assistant Ashley Carlson the ACUGS oversaw all aspects of the Undergraduate Program, including reviewing and revising the concentrations and developing a draft of a "unified major," scheduling classes, advising students, presenting the six concentrations to majors, conducting outcomes assessment on English 250, supervising TAs teaching lower division literature classes, administering the English Honors

Program, assigning TAs to Fall and Spring courses, and, in conjunction with the UC's Scholarship Subcommittee, reviewing applications and awarded scholarships.

I. Undergraduate Committee

Daniel Mueller (Associate Chair), Barry Gaines, Sharon Oard Warner, Carolyn Woodward, Kathleen Washburn, Kadeshia Matthews, and Jack Trujillo. Academic Advisor Dee Dee Lopez attended meetings, and the Undergraduate Program GA Ashley Carlson took minutes.

II. General Summary and Achievements.

1. Large Section 250 & 294/5 trial: In Fall 2010 the English Department will offer a large section of English 250 taught by Assistant Professor Aeron Hunt and a large section of English 294/5 taught by Professor Gary Harrison. Two Teaching Assistants have been assigned to each of the two courses. Bruce Carroll and Noreen Rivera are assisting Aeron Hunt, and Stacey Kikendall and Marisa Sikes are assisting Gary Harrison. The rationale for offering large sections (60+ students) of these courses, the former a gateway course to the English major, the latter a core requirement for the University, is that it will free tenure-stream faculty to teach other courses required by our degree programs.

2. Visits to all sections of 250: The Associate Chair for Undergraduate Studies in English, Daniel Mueller, or the Undergraduate Program Teaching Assistant, Ashley Carlson, visited every section of English 250 offered Fall 09 and Spring 10 to introduce English majors to the six English concentrations, the English Honors Society Sigma Tau Delta, the Honors Program in English, and the opportunity to receive advising by faculty members. A secondary purpose of these visits was to determine anecdotally whether a majority of students registered for this course were indeed at the beginning of their majors, as hoped, or were fulfilling the requirement toward the end of their majors, as we have tried to discourage. Approximately 80% of the students surveyed were indeed registered for English 250 as the gateway course to upper division literary studies.

3. "Preview Day": The President of Sigma Tau Delta, Tamera Martinez, and the Undergraduate Program Office hosted English Department Preview Day on April 14, 2010 from 11:30 a.m. to 1:30 p.m. All English Department faculty and teaching assistants were asked to prepare flyers, syllabi, and other handouts reflecting courses offered Fall 10. The event was publicized on the Undergraduate Listserv, in flyers and three ads that appeared in the Daily Lobo. While undergraduate attendance wasn't as great as we had hoped, at least twenty students used the opportunity to meet with instructors and gather information pertinent to Fall 10 course offerings.

4. Initial "organic" outcomes pre-assessment of English 250: On May 4, 2010, the Undergraduate Program conducted an "organic" outcomes pre-assessment of English 250 ("Analysis of Literature"), a required course for the English major and a gateway course to upper division literary study. By "organic," the UG Program meant "an assessment free of pre-conceived outcomes, with the simple goal of articulating the attributes of six analytical performances by students enrolled in English 250" as a means of determining the extent to which the performances conformed or deviated from the group's expectations and as a first step toward drafting a set of usable, valuable outcomes. Participating in the pre-assessment were Teaching

Assistants assigned sections of English 250 (Noreen Rivera, Bruce Carroll, Carolyn Kuchera, and Marisa Sikes), a PTI assigned one section of English 250 (Matthew Valdiviez), the tenure-stream Professor who will teach a large section of English 250 Fall 10 (Aeron Hunt), Professor Chuck Paine (who has presented trainings on outcomes assessment for the College), the Graduate Assistant assigned to the Undergraduate Program (Ashley Carlson), and Daniel Mueller. Notes from the meeting have been kept and are available for review. A full report is forthcoming.

5. Initial Reconfiguration of Major Concentrations: One of the Academic Program Review team's observations was that, given the decrease in our tenure-stream faculty and the increase in our student body, we should look for ways to streamline our Undergraduate course offerings and consider reconfiguring our concentrations. At present, the English Department offers undergraduate students six concentrations: English-Philosophy, Pre-Professional, Pre-Graduate, Liberal Studies, Creative Writing, and Professional Writing. To this end, the Undergraduate Committee reviewed the major requirements of a wide variety of English Departments nationwide, from Ivy League universities (Dartmouth and Harvard) to peer institutions (University of Utah, University of Texas, University of Oklahoma, UCLA) to liberal arts colleges (Oberlin, Colorado College) to universities in between (UNC-Chapel Hill). The primary attributes of the model we drafted are: 1) the elimination of the English-Philosophy concentration; 2) the collapsing of the Pre-Professional, Pre-Graduate, and Liberal Studies concentrations into a single rubric, Literary Studies, thereby reducing the number of tracks from six to three; and 3) offering a 33- to 36-credit hour Literary Studies track comprised of basic requirements and electives from six groups consisting of Medieval and Renaissance; British and Irish Literature, 1700 to the Present; American Literatures; World Literatures; Genres & Language Studies; and Theory, Criticism, and Cultural Studies. In several meetings (Executive Committee, Ad Hoc Curriculum Committee, Associate Chairs), we presented extremely rough drafts of the aforementioned model and plan to work toward an implementable, working model that is acceptable to all.

III. Identified Needs for Improvement.

1. Undergraduate Advisement: Undergraduate Academic Advisor Dee Dee Lopez continues to advise 100% of students majoring in English. While anecdotal evidence suggests that many undergraduates receive considerable advisement from Professors whose courses they are enrolled in, this advisement is largely invisible and unaccounted for. A better system to track student advisement needs to be implemented. We as a faculty need to increase our visibility and make ourselves more available to students outside the classroom, advising students not only about the concentration requirements but about the culture and discipline of the various fields and specialties within English Language and Literature that we represent.

2. Outcomes Assessment. An effort to more effectively engage in regular outcomes assessment for English 250 and upper division literature courses was piloted last year, with papers being collected in both the Fall and Spring semesters, and an assessment meeting that was held on May 4, 2010. Although this meeting marks the beginning of a potentially fruitful and consistent effort at outcomes assessment, because assessment has previously been conducted in such a haphazard manner, it remains a weakness in our program. This academic year we need to continue to diligently pursue outcomes assessment.

3. Last May six students graduated with Honors in English, one less than the year before and one more than the year before that. Currently, seven students are enrolled in the Honors Program, two who intend to graduate Fall 09 and five who intend to graduate in Spring 10. Advising them are faculty members Jack Trujillo (1), Daniel Mueller (2), Matt Hofer (1), Gail Houston (1), Julie Shigekuni (1), and Chuck Paine (1). For a decade and possibly longer, between three and eight students per year have taken advantage of the Honors Program in English when, in fact, a far greater number per year have GPAs that would entitle them to this opportunity. A larger percentage of students don't learn about the Honors Program until too late if at all. Greater effort needs to be made to increase the enrollment in the Honors Program.

4. Sigma Tau Delta participation dropped to almost non-existent last year, and no STD members graduated. If Sigma Tau Delta is going to exist at UNM, serious changes will be necessary.

IV. Goals.

1. Advisement. During the 2009-2010 academic year, every section of English 250 was visited by either the Undergraduate Director or the Graduate Assistant to the Undergraduate Office. As this is the gateway course required of all English majors, these visits aimed to welcome majors to the English Department, and to educate them about the six major concentrations, Sigma Tau Delta, the Honors Program in English, and the availability of faculty members for advisement as the first step in a year-long effort to promote contact between undergraduates and faculty members. Continuing these course visits is a major goal, as this is an excellent way to keep students informed.

2. Outcomes Assessment. In 2009-2010, the Undergraduate Office worked to institute a clear calendar for outcomes assessment, with English 250 assessment occurring in the Spring semester, and 3xx and 4xx literature course assessment occurring in the Fall. The first round of 250 assessment occurred in Spring 2010, and the Undergraduate Office will continue to conduct assessment according to this calendar for the 2010-2011 academic year.

3. Building the Honors Program in English. The Honors Program in English has remained very small over the years despite a fairly large percentage of eligible students. In 2009-2010, Ashley Carlson, Dee Dee Lopez, and Daniel Mueller began considering ways to target students with appropriate GPAs as a means of recruiting more students into this valuable program. Efforts were made to highlight the Honors Program during 250 class visits. Nevertheless, the Program is still quite small. Anecdotal evidence suggests that most Honors students join the program after being approached by a faculty member, rather than taking the first step on their own. Therefore, we especially need to encourage faculty to approach top students about Honors more frequently, in addition to continuing our efforts to make more students aware of the existence of the program.

4. Large section (60+ students) of English 250 and English 293/4. Large sections of English 250 and English 293/4 are being offered this semester, Fall 10. The Undergraduate Committee, along with those teaching the large sections, Aeron Hunt and Gary Harrison, will assess the effectiveness of these courses in an effort to determine whether or not to make large section courses a permanent facet of the Undergraduate Program.

5. Sigma Tau Delta suffered a serious drop in participation last year. Although it is a student run organization, it seems clear that strong faculty leadership and good communication amongst undergraduates are necessary for the organization to succeed. This year, the undergraduate office needs to determine how we might foster Sigma Tau Delta. Without support for the organization, it will cease to exist at UNM.

Enrollments
The English Department database shows 706 students enrolled as English majors as of September 2010. This figure is up from the numbers reported in previous years: 605 in Fall 2009, down from 815 during Summer 2008, and up from 658 at the start of Fall 2007, 533 at the end of Spring 2006, and 506 at the end of Spring 2005. A large portion of students in the department have not declared concentrations (246). Of the 460 students who have declared a concentration, the figures are as follows:

127 (28%) in Creative Writing
126 (27%) in Liberal Arts
110 (24%) in Professional Writing
46 (10%) in Pre-Professional (formerly Pre-Law)
49 (11%) in Pre-Graduate
2 (<1%) in English-Philosophy

Graduation.
The undergraduate program graduated a total of 135 students in 2009-10: 14 in Summer '09, 45 in Fall '09, and 76 in Spring '10. This number is up from 120 students in 2008-09, down from 161 students in 2007-2008 and 138 students in 2006-07 and up from 105 in 2005-06 and 86 in 2004-05.

Departmental Honors.
During 2009-10, six students graduated with Honors in English (Fall: 2; Spring: 4), which is consistent with the past two years (7 in 2008-2009, 5 in 2007-2008). Three were awarded cum laude (Fall: 1; Spring: 2), one magna cum laude (Fall: 1; Spring: 0), and two summa cum laude (Fall: 0; Spring: 2).

Aaron Anderson
Fall 2009
Title of Thesis: Slumberspeak
Level of Honors: magna cum laude
Faculty Advisor: Jack Trujillo

Kristian Macaron
Fall 2009
Title of Thesis: "Blue Casket" and other stories
Level of Honors: cum laude
Faculty Advisor: Daniel Mueller

Dale Enggass
Spring 2010

Title of Thesis: "The Place in Place": Robert Creeley's Desert Landscapes
Level of Honors: summa cum laude
Faculty Advisor: Matt Hofer

Alejandra Pires
Spring 2010
Title of Thesis: *Pro Patria Mori*
Level of Honors: cum laude
Faculty Advisor: Julie Shigekuni

Kelsey Seeger
Spring 2010
Title of Thesis: Ursula K. Le Guin's *The Left Hand of Darkness* and the *Dispossessed*: Lulling and Shocking Her Readers into Sociopolitical Experiments on Gender and Anarchism
Level of Honors: cum laude
Faculty Advisor: Daniel Mueller

Katelyn Turnbow
Spring 2010
Title of Thesis: Meaningful Relations: Philosophical Hermeneutics and Interpretative Involvement in Literary Studies
Level of Honors: summa cum laude
Faculty Advisor: Chuck Paine

Sigma Tau Delta.
Sigma Tau Delta had very low participation this past year and graduated no members. Only 5 new members were enrolled. This is a significant drop from last few years, with 16 members graduating in 2009, 13 in 2008 and 20 in 2007. A major event with an author was planned, but cancelled when the author pulled out for personal reasons. Sigma Tau Delta did hold one event, an English Department Preview Day, in Spring 2010, which is described above under summary and achievements. The advisor, Marissa Greenberg, sought recruiting assistance from the national organization in her annual report. Since Professor Greenberg will be gone for most of the year working on the grant, a new STD advisor needs to be found.

Scholarships and Awards
In 2009-2010 we awarded 11 awards to 10 undergraduates.

Mabel Arellanes
Award: Dale and Ivan Melada Scholarship in Professional Writing
Tracy Buckler
Award: Bank of America Professional Writing Achievement Scholars
Theodore Conway
Award: Bank of America Professional Writing Achievement Scholars
Ana Natalia Donaldson
Award: Dale and Ivan Melada Scholarship in Professional Writing
Emilee Howland-Davis

Award: Joseph B. Zavadil Memorial Scholarship
And Reba Rutz Beidleman Memorial Endowed Scholarship

Christina Klebesadel
Award: Bank of America Professional Writing Returning Student Scholar

Tamara Martinez
Awards: Irene B. Kimball Endowed Scholarship

Nathan Peebles
Award: Bank of America Professional Writing Achievement Scholars

Ryan Schaffer
Award: Hillerman/McGarrity Scholarship in Creative Writing

Jennifer Turrietta
Award: Bank of America Professional Writing Achievement Scholars

Creative Writing

Julie Shigekuni continued for a second term as Director of Creative Writing.

The creative writing program successfully completed its second year implementing several programmatic initiatives: at the undergraduate level, the **11th Week Colloquium** was again held in the Fall and Spring, the **Lunchtime Reading Series** (held in the 8th, 10th, 12th, and 14th week of each semester) offered undergraduates the opportunity to read their works-in- progress to a public audience; at the graduate MFA level, the creative writing program hosted its 2nd Annual **MFA Retreat** at the Ghost Ranch Conference Center in Abiquiu, New Mexico. Undergraduates and MFAs alike benefitted from the **Joseph M. Russo MFA Tutorials**, which sponsored five successful tutorials in the fall and four in the spring; a second round of **Hillerman/McGarrity Scholarship** recipients, one MFA and one undergraduate, were named.

At a time when everyone was feeling the strain caused by a global economic downturn, the creative writing program's MFA responded by expanding its Community Service initiative. Graduate students may now receive 3-credit hours of English 598, in partial fulfillment of the professional preparation requirement, for service work performed in local charter high schools and with seniors at Albuquerque Grand Senior Living. The creative writing program director became a sponsor of the PEN project, which supports writing projects by prisoners in the State Penitentiary in Santa Fe. UNM's MFA was ranked the "#1 School to Attend for Service Learning" in *Poets & Writers* 2010 national rankings.

An expanded Reading Series headed by the program director offered public readings, co-sponsored with Bookworks, that included acclaimed authors Margaret Atwood, Graeme Gibson, Sherman Alexie, and Elizabeth Gilbert. Lori Ostlund, Amelia Gray, and May-lee Chai came to campus for readings and workshops. Following their on-campus readings and workshops, both Lori Ostlund and Amelia Gray were recognized in August 2010 on the Independent Publishers list of "20 Best Writers Under 40."

Two curricular changes were introduced in spring 2010: reduction of MFA credit hours from 54 to 39, and implementation of English 487, a reading based genre studies course, to be added as a requirement for English majors concentrating in creative writing and offered every semester starting in Spring 2011.

The creative writing program blog (http://unmcreativewriting.wordpress.com/) and listservs for both the MFA (CWMFAF09-L@unm.edu) and undergraduates (CWUNDERGRADSF09-L@unm.edu) served to attract prospective students to the MFA and helped keep UNM's community of writers connected and informed.

Applications to the MFA were up by one-third, and were of a consistently higher quality than in past years. The UNM MFA ranked #78 in *Poets & Writers'* annual listing of Top MFA programs. Faculty readers observed an increase in the number of students who targeted UNM as their first choice MFA. According to Seth Abramson in a September 2010 *Huffington Post* article, the University of New Mexico's MFA is "harder to get into than Duke University's undergraduate program."

Sam Tetangco (MFA, fiction) has poetry forthcoming in *Gargoyle* and a short story in *Tayo* A story by MFA Melanie Unruh (fiction) is forthcoming in *New Ohio Review*. Carmela Starace (MFA fiction) has a story in *Every Day Fiction.* Jennifer Simpson (MFA creative nonfiction) published fiction in the online journal *Bartleby Snopes*. Undergraduate creative writing major Randi Beck's first story was published in *The Georgia Review*.

The LOBOslam team took second place in the National Poetry Slam took second place in the 2009 competition held in St. Paul, Minnesota.

UNM Alumni Paul Bogard's essay "The Path and the Pull of the Moon," which appeared in Creative Nonfiction #36, was selected by editor Robert Atwan as one of the Notable Essays of 2009 in the just published Best American Essays 2010; Molly Beer was recently selected from over 700 applicants to be one of 10 Correspondents in Fall 2010 for National Geographic's Glimpse: Your Stories From Abroad. (www.glimpse.org); Melody Gee's essay "Jack's Kitchen" has just appeared in the October 2010 issue of Copper Nickel. (www.copper-nickel.org); Chris Wrenn's essay "Breaking Line" was published in the most recent North Carolina Literary Review, issue 19, 2010. (www.nclr.ecu.edu); Laura Matter's essay "Franz Schubert Dreamt of Indians" was published in the Spring 2010 issue of The Georgia Review (www.uga.edu/garev/). UNM's Creative Nonfiction MFA concentration was ranked #14 in the nation for 2011 in the September/October 2010 issue of Poet's and Writer's Magazine. (www.pw.org)

Faculty enjoyed many successes with publications and awards. Julie Shigekuni was awarded the 2010 Wertheim Award, and her book *Unending Nora* (2008) received 2009 Honorable Mention in the Asian American National Literary Award competition. A story of hers will appear in the Spring 2011 *Asian American Literary Review*. Daniel Mueller published work in *Surreal South 09* and had new work accepted for publication in *The Iowa Review* and *The Missouri Review.* Poetry faculty Amy Beeder has poems in the *Kenyon Review, Virginia Quarterly Review,* and *Threepenny Review*. Amy's second book, *Scarab Poetica*, is forthcoming from Carnegie Mellon in 2011.

Dana Levin completed her first year as Joseph M. Russo Endowed Chair, teaching English 522: Graduate Workshop in Poetry, and English 422: Advanced Poetry Workshop for undergraduates. Ms. Levin participated on the Graduate Committee, Chaired two dissertation committees, and

brought increased visibility to the MFA by helping students place their poems in journals and win awards such as the AROHO Poetry Prize. As a result of the overwhelmingly positive response to her teaching and presence on campus, Ms. Levin was hired for a second year. In the spring of 2010 the creative writing program faculty put forth Dana Levin as its candidate for targeted hire to replace the line vacated in 2008 by Joy Harjo. Ms. Levin's third collection of poetry, *Sky Burial*, was accepted for publication by Copper Canyon Press and is forthcoming in Spring 2011.

The department played host to two remarkable visiting writers: Mark Behr taught English 521 in Fall 2009 and English 523 in Spring 2010, and Julie Mars taught English 523 in Fall 2009 and English 521 in Spring 2010. Former Associate Professor of English at the College of Santa Fe, Mark Behr is the author, most recently, of *Kings of the Water*, a novel which has enjoyed critical acclaim from the *The Guardian* and *The New York Times*. Mr. Behr is also the author of *The Smell of Apples* and *Embrace.* Ms. Mars is the author of *The Secret Keepers,* a novel, *A Month of Sundays*, a memoir, and *Anybody, Any Minute.*

Blue Mesa Review completed its second year as a student-run publication under the direction of Sam Tetangco, Editor in Chief, who oversaw an editorial board of MFAs and undergraduates. *Blue Mesa Review Issue 23: The Album Issue* appeared on schedule in Spring 2010 and was celebrated with readings and other fundraising events. The editors were pleased to have re-established a working relationship with UNM Press as its distributor. Plans are underway for a revamp of the literary journal's website (http://www.unm.edu/~bluemesa) which is scheduled to begin accepting electronic submissions in Fall 2010.

The Taos Summer Writers Conference (text forthcoming from Sharon Warner)

Finally, the program and the department lost a loved and respected emeritus faculty member Patricia Clark Smith. She taught poetry and literature at UNM for thirty-two years, from 1971 to 2003, and was renown for promoting the work of Native American writers and for her own poetry. She will be remembered by those whose lives she touched for her remarkable wisdom and generosity as a teacher.

Rhetoric and Writing and Core Writing

Lecturer Phil Tietjen resigned in July to enter PhD study at Penn State University. His line was not replaced. Lecturer Kyle Fiore, who had a one semester, temporary appointment in Spring 2009 to replace the remainder of the line formerly held by Lecturer Erin LeBacqz (who had resigned in August of 2008), was appointed to a full-year, temporary Lecturer line in August. In June, Dr. Fiore was re-appointed to another one-year temporary appointment for 2010-11, which by contract must be her last. We expect to search for a Lecturer to fill that line, and Dr Fiore will be encouraged to apply.

As usual, the Rhetoric and Writing faculty was active in many ways during the year involving UNM, the local community, and the national scholarly and professional community. The brief summaries offered below are partial notations of professional information collected by the department in its annual merit review process, and thus the full statement of faculty work is not repeated here.

Professor David Dunaway was again on leave in the spring term to serve as Distinguished Professor of Media Studies at San Francisco State University.

Wanda Martin organized and led the Teacher's Institute on Writing in July and the Arts and Sciences Teachers' Institute, which brought secondary school teachers from Albuquerque to seminars with UNM professors in June. Under her direction, Core Writing Graduate students again offered 101-102 remedial portfolio workshops during the Winter Intersession that enabled two dozen students who would otherwise have failed their fall courses to pass with a "C" and move on in their studies.

Michelle Hall Kells, although on sabbatical and engaged in wide-ranging research projects involving the writing of two books, was also Chair of the UNM Core Curriculum Task Force, which included RW faculty Chuck Paine and Wanda Martin, and graduate students Dan Cryer and Greg Evans. The Task Force was active in both the fall and spring terms, culminating with open meetings in the spring term attended by more than 200 members of the University community. The Task Force's final report is posted on the University web site.

Chuck Paine served as a Special Assistant to the Dean throughout the year, working on outcomes assessment and online course development. Paine was also active in the profession nationally through his work as an officer of the national Council of Writing Program Administrators and their engagement with the National Survey of Student Engagement project.

Scott Sanders, in addition to his Department administrative work for RW, was an Online Course Development liaison for Extended University in Arts and Sciences. He worked with the Chairs and some faculty of American Studies, Sociology, and English to develop proposals and secure funding for 3-5 year plans leading to concentrations being offered in fully online formats. That online curriculum development was also part of his sabbatical research plan, which also included working with RW graduate student Olubunmi Oguntulu to design and post a Facebook page for the Professional Writing program as an outreach to alumni and a networking venue for current students. The Facebook page is up, and the program receives dozens of "hits" every week.

Lecturers with primary teaching responsibility in RW led many curricular efforts during the year. Valerie Thomas continued her service developing and staffing our array of online courses across Core Writing and in Professional Writing courses. She led the outcomes assessment for 219. Mike Cabot worked with 220 instructors on curricular coherence across the sections of that course and developed and led the 220 outcomes assessment. Jim Burbank began study of English 240 Grammar syllabi and initiated discussions with College of Education faculty whose students are required to take the course. Burbank also began discussions with Scott Sanders and Chuck Paine regarding eventual program-level outcomes assessment for the undergraduate Professional Writing concentration.

RW graduate students working with several of our faculty presented a Celebration of Student Writing in October; over 500 ENGL 101 students participated. In November, the Write On Workshop (WOW) was attended by more than 100 students. In April, the Earth Day Conference featured speakers and panelists drawn from the UNM community and regionally and was

attended by more than 100 participants. In May, another Write On Workshop was attended by more than 100 students.

In addition, the large task of organizing the several different sessions associated with the outcomes assessment of 101 in the fall and 102 in the spring was completed largely by the Core Writing Graduate Assistants, Genesea Carter and Mellisa Huffman.

Undergraduate Professional Writing majors and minors completed internships at dozens of local sites, including the UNM Foundation, Somos un Pueblo Unido (Santa Fe), New Mexico Ethics Alliance, Ultramain Software, Albuquerque Bio Park, 516 Arts, Center for Development and Disability, Ronald McDonald Charities, Metropolitan Court, El Centro de la Raza, Alzheimer's Association of New Mexico, Explora, and Comcast, to name only a few.

Additionally, undergraduate and graduate students in English 419 and 519 Proposals worked as proposal writers and researchers for such organizations as the South Valley Economic Development Center, Leukemia and Lymphoma Society, Camp Rising Son, Meals on Wheels, Rio Grande Food Projects, Casa Esperanza, NM Special Olympics, and many others. Professor Martin and Lecturer Fiore are developing a database of our proposal writing partners from the past six years with the goal of making our "service learning" outreach to the community in the Proposal class and other 400-level Professional Writing courses more organized and formal.

This report offers an incomplete record of one year of work in our area, a year in which one faculty member was on a year-long sabbatical, two on semester sabbaticals (one fall and one spring), another on a semester leave (spring), one Lecturer resigned in July, and an Associate Professor resigned mid-year.

While we are proud that the Academic Program Review of our department completed last year culminated in a report that singles our RW group out for special praise for the innovative and effective nature of our work, with special mention of the Internship program and other efforts that get our faculty and students out into the local and state professional communities, we must emphasize that the APR committee also noted our threadbare faculty numbers and recommended increasing our faculty numbers before the programs described above and others must be downsized or suspended.

In the absence of any approval to date to search for fulltime replacement at any level, either tenure stream or Lecturer, we must examine what we do this year and pare it down to something that looks at least manageable, if that is possible.

We will do so noting that there is no reason to believe that the pace of RW faculty separation from UNM will decrease; in fact, it seems likely that we will lose more faculty to resignation and retirement over the current academic year (2010-11) and still more in the year to come.

Given the recent example of the Statistics faculty in Math, which was allowed to dwindle down to two before anyone in administration noticed the importance of statistics classes to curricula and programs across the campus, and the fact that our replacement needs have been prominently

noted in the Department's hiring requests in each of the past 5 years (with no approvals to hire resulting), we are not optimistic.

If the Department, College, and University value the programs we describe in this report, we expect that some replacement hiring of faculty in our area will be forthcoming, and we offer this report as yet another instance of our desire to alert the University community to what is at risk.

American Literary Studies

Danizete Martinez completed her dissertation on the Chicano/a grotesque under Jesse Aleman's direction and took at job at UNM-Valencia. Kelvin Beliele completed his dissertation on the travel writings of Herman Melville, Bayard Taylor, and Charles Warren Stoddard under Scharnhorst's direction and took at job at Oklahoma State University.

Aleman was awarded Outstanding Faculty Member by UNM's Peer Mentoring for Graduates of Color; named the department's Wertheim lecturer; named outstanding faculty member by EGSA; and was selected to deliver the 6th Annual Etulain Award in History at UNM. He delivered invited lectures at UT-Arlington and Mills College. Scharnhorst delivered an invited lecture at the Flagler Museum, Palm Beach, Florida.

Aleman presented papers at the MLA; American Comparative Literature Association conference; and the Society of Nineteenth-Century Americanists meeting. Scharnhorst presented two papers at the Sixth International Conference on the State of Mark Twain Studies at Elmira College.

Ph. D. candidates in ALS Ying Xu, Leigh Johnson, Carolyn Kuchera, and Kathryn Denton were each awarded $2500 to support their dissertation research. These funds represent the first monies available to the Department under the terms of the George and Elizabeth Arms endowment.

Matthew Hofer and Scharnhorst co-edited *Oscar Wilde in America: Interviews* (Urbana: University of Illinois Press, 2009), published in the spring of 2009.

In addition, Scharnhorst edited volume 43 of *American Literary Realism* (University of Illinois Press); and the following books, all published during AY 2009-10: *Mainly the Truth: Interviews with Mark Twain* (Tuscaloosa: University of Alabama Press); *American Literary Scholarship 2007* (Durham: Duke University Press); and *Realism and Regionalism, 1865-1914* (New York: Facts on File, 2010), the latter with Tom Quirk.

Scharnhorst also published the following items during AY 2009-10:

"Benjamin Franklin's Legacy to the Gilded Age: Manners, Money, and Horatio Alger," in *Civilizing America: Manners and Civility in American Literature and Culture*, ed. Dietmar Schloss (Heidelberg: Winter, 2009), 243-51.

"General Reference Works," *American Literary Scholarship 2007*, ed. Scharnhorst (Durham: Duke UP, 2009), 521-28.

"The Maturation of American Fictions," in *Blackwell Companion to American Literature and Culture*, ed. Paul Lauter. Oxford: Wiley-Blackwell, 2010. 364-76.

"Julian Hawthorne's Contributions to the *Pasadena Star-News* 1923-1935," *Resources for American Literary Study*, 33 (2010), 93-132.

"'The Most Dismal Fraud of the New England Transcendental Group': Julian Hawthorne on Thoreau," *Concord Saunterer*, ns 17 (2009), 125-36.

"Horatio Alger, Jr., and Marlborough, Massachusetts," *Worcester Review*, 30, i-ii (2009), 94-96.

"'I Did Not Like His Books': Julian Hawthorne on Whitman," *Walt Whitman Quarterly Review*, 26 (Winter 2009).

"Another Recovered Jack London Interview," Jack London Society *Call*, 20 (Spring/Summer 2009), 2-4.

"Oscar Wilde and Julian Hawthorne," *The Wildean*, 35 (July 2009), 16-19.

"The 'Lorio' Letters to the *St. Louis Daily Reveille*: On Mark Twain, Minstrelsy, Mesmerism, and McDougal's Cave," *Resources for American Literary Study*, 33 (2010), 277-84.

"'I Really Have No Interest in the Indian': Sinclair Lewis Visits New Mexico in 1926," *Sinclair Lewis Society Newsletter*, 18 (Spring 2010), 1, 4, 6, 8.

"Boundaries of the Period," "Dominant Genres and Literary Forms," and "Literary Influences," in *Realism and Regionalism, 1865-1914*, ed. Scharnhorst and Tom Quirk (New York: Facts on File, 2010), pp. 3-7, 13-17.

Review of *Postwestern Cultures: Literature, Theory, Space*, ed. Susan Kollin. *New Mexico Historical Review*, 84 (Winter 2009), 166-67.

Review of *Jack London's Racial Lives: A Critical Biography* by Jeanne Campbell Reesman. *Western American Literature*, 45 (Spring 2010), 97-98.

British and Irish Literary Studies (BILS)

The internal infrastructure for BILS in 2009-2010 consists of a Director [see att. Job description] and four distinct focus groups organized according to traditional historical periods: Medieval Studies, Shakespeare and the English Renaissance, Eighteenth- and Nineteenth-Century Studies (BIEN), and Modern and Post-Modern Studies, each having an appointed or self-appointed leader: Anita Obermeier for MedStuds, Marissa Greenberg for Shakespeare and the English Renaissance, Gail Houston and Aeron Hunt for BIEN, and Lynn Beene for Modern & Post-Modern. As of the present, each focus group is responsible for setting its two- or three-year rotational curricular offerings and its comprehensives, over which the Director has oversight. In addition to setting monthly meetings, the Director holds informal meetings with the individual

groups when such matters as curricular planning and hiring arise. The structure and focus is in the process of being molded, and we feel we are still in the initial stages of development towards an organizational structure that will reflect the pivotal function BILS holds in the Department (if not in the University itself) by teaching foundational and advanced courses with a high level of expertise by its much diminished and unappreciated award-winning faculty, and by its consistent output of publications in national and international journals and in authorship of books and editions.

Accomplishments in 2009-2010.

1. Curricular and Programmatic Development:

****Programmatic Development**: The **majority of Fall 2009** was spent by the individual focus groups in each group finalizing coherent statements about the definitions and focus of their individual body of literary study, and their focus, their relationship to the other focus groups in BILS, and their programmatic organization and rotation of courses. These materials were used in the preparation of the APR self-evaluation report, which was largely edited by Lynn Beene. They are now being used (with revision) for placement on the English Website.

The **majority of Spring 2009** was spent in refuting the scandalous mis-representation of BILS in the APR Evaluation report, a response paper of some six pages [**see attached response**] by the individual focus groups and edited by Lynn Beene. The Medieval Studies Programs (Helen Damico and Anita Obermeier) wrote an additional response paper since their concerns were trans-departmental and multi-disciplinary [**see attached response**].

**** Curricular Development: Graduate Program:** 2009-2010 showed considerable progress toward the development of a curricular template for graduate students (Ph.D. in particular) that would be flexible enough for use by each focus group. The template would be used as an advisement sheet for Ph.D. students who wished to concentrate on British and Irish Studies with an expertise in a particular historical period or genre. This template has been put into effect by the medieval and the BIEN focus groups. It still needs refining by the Modernist and the Renaissance groups, primarily in the case of the latter because of lack of faculty resources. To that end, in Spring 2010 the Renaissance group (with the consent of the entire BILS faculty) produced a hiring request that was recommended to the Chair as a first priority. This request was not honored.

****Curricular Activity in Course Offerings**: As it has been doing for many years, BILS has continued to teach the majority of the undergraduate and graduate literature courses offered by the department, a ratio of some 26 out of 33 offered in Fall 2009. Inclusive here are the three Core Curriculum Courses. This type of pressure has been placed on and accepted by the BILS faculty for many years, with no recognition of its faculty needs by any Chair or any Executive Committee. The reputation of an English Department in a flagship university like UNM rests on its having a vibrant BILS division.

Two-course Sequence offered by the Renaissance focus group. In Spring 2010, Marissa Greenberg and Carmen Nocentelli began planning a two-course sequence on the Epic as a

way of highlighting and promoting the graduate profile of Renaissance offerings in BILS. This sequence will continue to be revised in Fall 2010, and will be offered in Fall 2011 and Spring 2012.

** **Curricular interrelations with other departmental units**. BIEN and the nineteenth-century American faculty continued their transcontinental colloquia series. Medieval continues its affiliation with 5 other university units and with the Institute of Medieval Studies.

2. Conferences Sponsored: Marisa Sikes, an ABD, Chair of the National Medieval Graduate Student Association for 2009-2010, was the coordinator of the National Conference of Vagantes, a Medieval Academy of America student organization, in March 2010, held at the University of New Mexico. Marisa Sikes and Douglas Van Benthuysen were elected to the council of Vagantes to meet in 2011 in Pittsburgh, Pennsylvania.

The Medieval Group: also hosted the annual Medieval Studies Lecture Series. Additionally, of the four speakers for the English Department Lecture Series, three were BILS faculty

3. Students and Student Development: Except for the Medieval Focus Group, BILS needs to put more effort into Student Development and Recruitment. Not counting the 14 Graduate Students in the Medieval Studies Concentration track, there are 13 students who have identified themselves as BILS Ph.D. students. Of these, Ezra has broken them down as follows: 3 in Medieval, 2 in Renaissance, 4 in 19th century, and 3 in Modern.

4. Recruitment and Promotion: Very little has been done over the years in recruitment and promotion, initiatives that are being put into effect in Fall 2010 with movement toward developing a web presence.

5. London Summer Program: The London Summer Program failed to attract the required number of students, so that it was cancelled for Summer 2010. Plans for promoting the 2012 London Summer program are underway during Fall 2110.

6. Staffing: BILS is in dire need of faculty resources. In January 2011, there will be 1 ½ person in Renaissance, 2 ½ in 18th and 19th- century [Gary Harrison is on the books as Assoc. Dean of the Graduate School], 3 ½ in Modern and Post-Modern, and 1 1/2 in Medieval. Nine faculty to teach over fifteen hundred years of literary works, necessary to uphold the reputation of an English Department in an institution that calls itself a major flagship university.

7. Honors: Marissa Greenberg, received two grants–RAC and the coveted year-long NEH grant. Carmen Nocentelli published an article in PMLA. Helen Damico was presented with a Festschrift: Poetry, Place, and Gender: Studies in Medieval Culture in Honor of Helen Damico. Ed. Catherine E. Karkov, Kalamazoo: MIP, 2009, in addition to publishing a co-edited volume, and a chapter in an anthology. Anita Obermeier, Mary Power, Gary Harrison, Gail Houston, Helen Damico, Marissa Greenberg, Carmen Nocentelli, and Matt Hofer presented papers at various conferences.

B. Objectives for 2010-2011

– to continue our efforts at creative reorganization of our curriculum and our efforts toward a unified British and Irish Literature presence.
– to investigate the possibilities for recruitment of students and for the promotion and visibility of the program through web initiatives for one.
– to continue our efforts to streamline the graduate program in BILS.
– to find and to continue to create further engagement with the BILS students.
– to stabilize the organization of the London Summer Program.
– to investigate means by which we may increase our faculty resources.

Medieval Studies Programs in English (MSPE)

The internal infrastructure for MSPE in 2009-2010 comprises an advisory committee comprised of Professors of the Department of English Anita Obermeier and Helen Damico, the latter functioning as Director, with special attention being given to the graduate programs, MEGSE. Dr. Obermeier serves as sponsor for the student organization, Medieval Studies Student Association, which serves all students interested in medieval studies university wide and which has been in operation since 1992 as an undergraduate student organization, but most recently has expanded its statutes to include graduate students as well. When matters concerning graduate students' comprehensives arise that may be relevant to the Department of History or curricular issues concerning university-wide medieval offerings, then Professor Tim Graham (Director of the Institute for Medieval Studies) joins Professors Damico and Obermeier in whatever deliberations are necessary. Professors Obermeier and Damico are most often in daily contact, Professors Damico, Obermeier, and Graham, weekly, and formal committee meetings are set only when such issues as catalog matters and curricular changes arise. These usually take place in October, November, and April. The informal nature of the committee (it used to meet monthly, and sometimes bi-monthly) was instituted after the major deliberations regarding renumbering of the medieval offerings were completed and only the final details of placing the renumbering into the catalog remained. These occurred primarily in Spring 2006 when the final cancellation of the undergraduate Medieval Studies Minor and hence of a minor in Medieval Studies offered by English occurred and its transfer to and installation under the IMS rubric. It was not until September 2007 that IMS began to operate the minor, at which time, the curricular efforts of the medievalist in English centered on further developing the graduate programs.

A. Accomplishments in 2009-2010.

1. Curricular and Programmatic Development:

** In 2009, after an annual review of our listings in the catalog, we adjusted two entries; we expanded our description of 450/550 Middle English Literature to reflect new courses designed by Dr. Obermeier; and added increased the maximum credits permitted to be earned by a student of 451/551 (Topics Multidisciplinary in nature) to reflect new courses offered by Dr. Damico in Old Norse language and restricted courses in publication initiatives. Dr. Damico prepared paperwork for these curricular changes, and we are awaiting the results to appear in the catalog.

** Graduate programs: The curricular offerings listed in the catalog accurately represent a vital disciplinary program in the medieval period for perspective students searching for a professionally-oriented graduate program. 2009-2010 showed considerable progress toward the web-publication initiative of *Genesis A*, a group project of students in Old English Literature. The projected appearance of the final project is 2011.

** Undergraduate program: After consideration of the undergraduate offerings in the context of preparing our ABDs for teaching in medieval literature, Drs. Damico and Obermeier developed criteria by which ABDs in the Medieval Studies Concentrations track would be eligible to teach 248 (Topics in Popular Medieval Literature and Studies). This would not only promote the professional profile of our students, but would also enhance our undergraduate offerings. Although we no longer have the administrative or developmental responsibilities for the undergraduate minor in Medieval Studies, we are nonetheless responsible for offering a full undergraduate course of study for students who choose the English option for the Minor in Medieval Studies, and for the undergraduates in English.

Our combined Graduate and Undergraduate offering range from four to six courses, five being the desired number in the Fall (usually one or two in OE, the rest in ME), generally following a set template. We usually offer six in the Spring inclusive of the Viking Mythology class which continues to draw its 60 plus students. Enrollments remain stable, taking the 21-day count of Fall 2009 semester: 348 Medieval Culture (29); Intro. OE Poetry [Ling & Engl] (13); undergraduate Chaucer (29); 551 Intro to Old Norse (20); 680 Seminar Malory (12); Restricted 551 Genesis (3). Enrollments for Spring 2010: 305 Viking Myth (63); 306 Arthurian Lit (30); 349 Bwf to Arthur (27); 351 Chaucer (29); 548 Beowulf (6); 581 Chaucer (6); 551 (Restricted class) *Genesis A* (5). Helen Damico handles scheduling of the English medieval courses.

** In 2009-2010, the restricted 551 projected web publication project on Genesis A continued with three students doing continuous work on the 2nd draft of the translation. Two students had to drop out because of other teaching commitments, but would rejoing the group in the following academic year. The restricted class of three students produced the second draft of the Biblical epic, which will continue the third revision of that draft in 2010-2011.

** Curricular interrelations with other departments continues, exclusive of the interrelations with IMS: All English undergraduate medieval courses are used by European Studies as part of their major. There is a continuation of the cross-listing of Old and Middle English language courses with the Dept. of Linguistics, and of the literature courses with Comparative Literature. The English faculty continues to be on the steering committee of IMS.

** The Committee prepared and set one Ph.D. comprehensive for Christine Kozikowski, who successfully passed the exam. The committee held examinations of two Ph.D. dissertation prospectuses, for Marisa Sikes and Christine Kozikowski. Both were granted permission to commence with the completion of their dissertations.

** Web-Initiatives: The 2009-2010 academic year saw the further development of the MEGSE Website as a research and professional development site. In addition to the Library Portal, a number of publication aids have been set up by Doug VanBenthuysen, one being an Anglo-Saxon and Old Norse key board. Work on completion of the Frequency Word-List in Anglo-Saxon (published in the late 40s or early 50s; eleventh printing in 1979) continues. When finished, this will go out internationally on the Anglo-Saxon List Serve.

II. Conferences Sponsored:

**Marisa Sikes, an ABD, Chair of the National Medieval Graduate Student Association for 2009-2010, was the coordinator of the National Conference of Vagantes, a Medieval Academy of America student organization, in March 2010, held at the University of New Mexico. Marisa Sikes and Douglas Van Benthuysen were elected to the council of Vagantes to meet in 2011 in Pittsburgh, Pennsylvania.

** In October 2011, the Medieval Studies Programs in English and the Institute for Medieval Studies will be hosting a conference on Medievalism, dealing with the appropriation of medieval ideas and literature by later historical periods. Dr. Obermeier will be functioning as Program Chair.

III. Students and Student Development: There are 14 students following the Medieval Studies Concentration Programs, 6 in the MA track and the remaining 9 in the Ph.D. track. In addition, there are three working on Ph.D. in medieval literature.

** Marisa Sikes was granted the Department's Buchanan-Arms award;**Marisa Sikes, Christine Kozikowski, Lisa Meyers, Douglas VanBenthuysen, received annual travel awards to international and national conferences for presentation of papers; **Marisa Sikes and Douglas Van Benthuysen were elected to the national council of Vagantes;**Christine Kozikowski was elected to the Board of the Society for Medieval Feminist Scholarship;** Colleen Dunn received the Medieval Studies Travel Award for Research to Collections for summer study at Cambridge University in Cambridge, England; Douglas VanBenthuysen was a participant in the Leeds International Medieval Congress in Leeds, in Leeds, England; he was granted travel monies by GSA.

–Graduate Student/Mentor Internship for Viking Mythology: This student/mentor internship continued in Spring 2010 with MA candidate Lisa Myers receiving the award.

–Graduate Fellow in Medieval Studies for the Outreach Program to the Secondary Schools was Ph.D. candidate Christine Kozikowski.

–Fellow in Digital/Website Initiative was Doug VanBenthuysen.

IV. Recruitment and Promotion:

Recruitment: The 2009-2010 academic year saw the success of the program's publicity and promotion efforts in student recruitment: out of 12 applicants, the program selected 5 MA

and 3 Ph.D. candidates, two from New Mexico, and the rest from Canada, the East and West Coasts, the Rocky Mountain area, and the Midwest. Only three of which were given TAships. This brings the Medieval Studies student body to 17 students in various stages of study.

Program Visibility: We continue to operate the annual Visiting Scholar in Viking Mythology program, now in operation for over 10 years. The program has two goals: to enhance the department's international visibility, (2) to enhance the Medieval Studies multicultural and multidisciplinary offerings on the undergraduate level, (3) to offer opportunities for individual mentorship for the Medieval Studies graduate students by internationally acclaimed scholars from other institutions. UNM English has had prominent visiting scholars the United States, England, and as far away as Sweden and New Zealand, which not only promotes the scholarly and programmatic achievements of the Medieval Studies Program internationally, but also provides our students with the opportunity to network with internationally renown scholars. Finally, the program enhances the stature of the Department of English and the University of New Mexico.

V. Staffing:

We are able to fulfill our obligations to the program and to our students only because we have had the ability and the good fortune to hire PTIs (with Ph.D.'s and publications) to handle most of the undergraduates offerings, and the Visiting Scholar in Viking Mythology, who highlights the importance English credits to undergraduate offerings. T Our main concern lies in this area of the program, however, and the need to have a third permanent faculty member is quite acute.

Professors Obermeier and Damico have continued to publish significantly during 2009-2010, as well as to maintain a high level of service to the department. Professor Obermeier was advanced to Full Professor in Spring 2010; Professor Damico was honored by a Festschrift published by a major publisher of Kalamazoo, MI: Medieval Institute Publications.

VI. Objectives for 2010-2011

– to continue our efforts at creative implementation of our digital initiatives in scholarly research with an eye toward creating a publication site in the future.
– to investigate the possibility of reviving an undergraduate medieval literature program
– to continue our efforts to streamline the graduate program in medieval literature within British/Irish Literary Studies.
– to continue our visibility efforts by attempting to establish relationships with faculty from other universities, as well as continuing our publicity efforts with the mailing of postcards to national and international institutions.
– to find and to continue to create further funding opportunities for our students.

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DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES
ANNUAL REPORT
JULY 1, 2009-JUNE 30, 2010
Submitted by Professor Natasha Kolchevska, Chair, November 1, 2010

MILESTONES:

Natasha Kolchevska (Russian and Department Chair) received, for the third year in a row, a teaching grant of $99k for the STARTALK program in Arabic and Chinese for high school students.

As Chair of FLL, **Kolchevska** applied for and received a prestigious Fulbright Scholar in Residence grant to bring a North African scholar to UNM for 2010-2011. A highly respected writer, Kebir Ammi is teaching both FLL and American Studies.

The 35th German Summer School, under the direction of Prof. Katja Schroeter, was held in Taos, New Mexico, with 54 undergraduate and graduate students.

Lorie Brau, Associate Professor of Japanese, was on sabbatical during Spring 2010. During that time she conducted research on *manga* in Japan and presented a paper at a conference in Australia.

FACULTY RESEARCH

FLL's faculty understaffing (11.5 full-time tenure track faculty, down from 13.5) resulted in faculty spending more time recruiting and teaching their larger classes and less time on their own research. Faculty produced one scholarly monograph (Cyrino), one co-edited special edition of a scholarly journal (Baackmaan), eight articles, encyclopedia entries and scholarly translations. In addition, FLL faculty presented regularly at international, national and regional conferences, although this was curtailed somewhat because of the 50% cut in professional travel funding.

SCHOLARLY WORK

Books/Journals authored or edited:

Cyrino, Monica

(single-authored book) *Aphrodite*. In the series *Gods and Heroes of the Ancient World*. Routledge, 2010. 160 pages.

Baackmann, Susanne

(guest co-editor with David Craven) special issue on Latin America —*Journal of Surrealism in the Americas*, 4/5.

Garcia, Lorenzo

(submitted manuscript) *Homeric Cinematography: Cinema and the Visual in Homer's Iliad*, submitted to the Center for Hellenic Studies, a division of Harvard UP Press; approx. 82,000 words.

Articles, Book Chapters, Encyclopedia Entries:

Baackmann, Susanne

(article in peer-reviewed journal) "Überhaupt keine Geschichte. Erinnerung im Zeichen von Überlebensschuld und Widerstand in "*Happy*" *sagte der Onkel* und *Spätfolgen*," *Text und Kritik*. Sybille Schönborn (ed.), 2009, 44-57.

Brau, Lorie

(book chapter) "Oishinbo's Adventures in Eating: Food, Communication and Culture in Japanese Comic Books." In T. Johnson Woods, ed. *Manga: An Anthology of Global and Cultural Perspectives.* NY and London: Continuum Books, 2010, 109-127.

Cyrino, Monica

(book chapter) "This is Sparta: The Reinvention of the Epic in Zack Snyder's *300*," in *The Epic Film in World Culture* (AFI Film Readers series) (2010). Robert Burgoyne, editor. New York: Routledge, 19-38.

(book chapter) "Fortune Favors the Blond: Colin Farrell in *Alexander*." In *Responses to Oliver Stone's* Alexander: *Film, History and Cultural Studies* (2010). Paul Cartledge and Fiona Rose Greenland, editors. Madison: U of Wisconsin Press, 168-182.

(encyclopedia article) "Classical Tradition: Film and Television." In the *Oxford Encyclopedia of Ancient Greece and Rome* (2010). M. Gagarin, ed. Oxford UP, 214-220.

Lorenzo Garcia

(4 chapters plus major selection, and editorial work for textbook) submitted to Cognella Academic Press for inclusion in *Greek Civilization in Literature: From Prehistory to Classical Greece.*

Ivanova-Sullivan, Tanya

(article in peer-reviewed journal) "Bulgarian Crime Fiction: From Artistry to Arbitrariness," (Y. Hashamova, co-author), accepted for publication in *Balkanistika* (Oxford, MI: U. of Mississippi Press).

Kolchevska, Natasha

(annotated translations) "Collectivization 1931," and "Russian Harbin." In *The Russian Reader: History, Culture, Politics* (2010). Adele Barker and Bruce Grant, (Durham, NC: Duke UP), 426-430 and 573-585.

Putnam, Walter

(article in peer-reviewed journal) "Typhoon in a Teapot: A 1917 Letter from Conrad to Andre Gide", *The Conradian*, 34.2 (2009), 129-32.

Vallury, Raji

(book chapter)"Politicizing Art in Deleuze and Ranciere: The Case of Post-Colonial Literature." In *Jacques Ranciere: History, Aesthetics, Politics.* (2009) P. Watts and G. Rockhill, eds. Durham, NC: Duke UP, 229-248.

Book reviews

Kolchevska, Natasha

M. Lehtimäki, S. Leisti, and M. Rytkönen, eds. *Real Stories, Imagined Realities: Fictionality and Non-fictionality in Literary Constructs and Historical Contexts. Slavic & E. European J.* 54.1 (2010), 183-184.

Conference papers and invited talks:

Bishop, Stephen

National conference: "Unsustainable Conflict: Child Soldiers as Cultural Critics." African Literature Association Conference, Tucson, March, 2010.

National conference: "Jean-Marie Teno: The Legal Outsider of Cameroonian Cinema." Conference on Law and Literature, New York City, April 2010.

International conference: "Tuez-les!: les enfants-soldats et l'assassinat des relations traditionnelles." Conseil international d'études francophones, Montreal, June 2010.

Lorie Brau

Invited talk: "Food in Japanese comics." Gakushûin University, Tokyo, Japan, June 2010 (in Japanese).

Invited talk: "Comedians in Kimonos: An Introduction to the Art and Performance Culture of Rakugo." Talk and Performance. Rose-Hulman Institute, Terre-Haute, IN, January 2010.

Monica Cyrino

Invited talk: "Simply Irresistible: The Power of Aphrodite." Invited lecture for Grand Rounds, UNM School of Medicine, Dept. of Psychiatry, Albuquerque, NM. February 2010.

Regional conference: "Magic, Music and Race: the *Black Orpheus* Effect." Classical Assn. of the Middle West and South, U. of Oklahoma, Tulsa, OK, March 2010.

International conference: "The Price of Fame: Atia's Triumph in Rome's Season Two." The Classical Association, Univ. of Cardiff, Wales, UK, April 2010.

Invited talk: Invited lecture for the Dept. of Classics, Univ. of Utah, Salt Lake City, UT, April 2010.

Lorenzo F. Garcia

Regional conference: "Trimalchio as Cultural Theorist: The Semiotics of Ambition in the *Cena Trimalchionis.*" Classical Assn. of the Middle West and South, Univ. of Oklahoma, Tulsa, OK, March, 2010.

Invited talk: "Homeric Durability: Time and Poetics in Homer's *Iliad.*" UNM, Dept. of FLL, Comparative Literature and Cultural Studies Series, Albuquerque, NM, December 2009.

Tanya Ivanova-Sullivan

Roundtable participant: ""Life under Socialism" UNM, International Studies Institute, Albuquerque, NM, November 2009.

Carmen Nocentelli

Invited talk: "The Erotic Politics of *The Lusiads.*" UNM, English Dept. Speaker Series, Albuquerque, NM, September 2009.

Awards and grants:

Natasha Kolchevska received an award of $99k from the STARTALK program, funded by the National Security Agency, to conduct Summer Institutes for High School students in Arabic and Chinese. These were held during the month of June, 2009. Institute faculty taught total of 35 students in dual and concurrent enrollment programs, and received glowing reviews from the grant's site visit team.

In cooperation with American Studies, **Prof. Kolchevska** applied for and received a grant of $27k in support of a Fulbright Scholar in Residence.

In addition, **Prof. Kolchevska** was part of an inter-departmental and inter-college team of UNM faculty that put together an NEH proposal to create a Humanities Institute at UNM.

Off-campus service to the profession:

Classics professor **Lorenzo Garcia** served as the state Vice President (highest state office) for the national Classics association, CAMWS. In 2009, he also served as Vice-President for the state of New Mexico for the Committee for the Promotion of Latin and as a peer reviewer for *The Classical Journal*. Russian professor **Tania Ivanova-Sullivan** completed her work as a consultant for the *English-Bulgarian Mini-Dictionary*.

TEACHING: EU, efficiencies, Fulbright scholar

With steadily increasing enrollments, 240 undergraduate majors and about 35 graduate students, the Department of FLL taught a broad range of undergraduate and graduate courses.

graduating 62 undergraduates in seven different language and area studies programs (Asian Studies, Classical Studies, French, German, Languages, Russian, Russian Studies) in 2009/10; this constitutes an increase of 33% in dept. graduates over the previous year. In addition, 5 MA degrees were awarded in French, German Studies and Comparative Literature/Cultural Studies.

As the result of being awarded a Fulbright Scholar in Residence grant, FLL (along with American Studies) was able to invite Kebir Ammi, a Moroccan/Algerian writer and scholar, to teach undergraduate courses in 2010/2011 in both departments.

Our newest initiative in 2009/10 was the development of a series of online courses through Extended University. As a result, 4 new courses are being offered this fall, as well as in the spring. Additional courses for next AY—including expanded summer offerings-- are also currently under development.

The Department continued to work with the Dean of Students office as well as the National Security Studies Program (NSSP) at UNM to improve and expand offerings in Arabic, Russian and Communicative Studies. Not only were we able to offer additional sections of Arabic and Russian funded by these programs, but for the first time we were also able to offer intensive Arabic and develop a communication course for the Honors program.

Large enrollment Humanities Core courses such as Modern Languages 101 and Mythology 107, continued to attract hundreds of students, as did upper division core courses in Greek Civilization. Enrollments in other undergraduate and graduate courses increased, sometimes by as much as 100%. FLL continued its efforts to work as efficiently as possible, and virtually no low-enrollment courses were taught.

FLL continued to refine its assessment instruments, and faculty members Ali, Kolchevska and Peters-Newell attended national conferences and workshops for training in assessment and language teaching methodology as part of the STARTALK grant.

Once again, in December 2009/January 2010/09, Dr. Mohamed Ali took a group of FLL, Africana and Anderson School of Management students on the winter intersession Study Abroad program in Egypt.

German Summer School:

The 34th session of the German Summer School took place at Taos Ski Valley from June 23 to July 24, 2009. A record number of 56 students (the highest since 1999) attended this year's program. This constitutes a 57% increase in student numbers from 2006-2007, and growth in the last two years has been at 20%+. (2007: 47 students, 2008: 49 students). Among these were 18 undergraduate and graduate students from UNM. This is the third year in a row that such a high number of students from UNM attended, and all undergraduate students from UNM declared German as their major. Given the small size of the program, this impressive number testifies to the appeal and strengths of the German program within FLL. Out-of-state participants included 13 students from our consortium partner, California State University at Long Beach, 7 students from Texas, and 6 students from Arizona, as well as smaller numbers from other universities across the country, including Haverford College in Pennsylvania. With its geographical reach and outreach programs, the GSS showcases UNM on a national level.

Since 2009 marked the anniversary of several republics in German speaking countries, this year's program focused on the topic, "The Republic as Ideal and Reality in German speaking Cultures." Courses ranged from "The Concept of the Republic in 18th century German literature" and "The Swiss Republic as a Model for Europe," to "The Berlin Republic: Germany after the Fall of the Wall," thus ensuring coherence of the curriculum. Three full-time faculty,

four half-time faculty, and four Teaching Assistants contributed to the success of the program. The German Summer School received financial support from UNM ($26,000) and grant money from the Max Kade Foundation ($30,000), the Goethe Institute ($3,300), the Austrian Cultural Forum ($3500), Switzerland ($4100), and the Taos Ski Valley ($3,380). The generous contributions of these supporters, UNM's ongoing support of the GSS, and the high number of students attending ensured a balanced budget for the GSS once again.

Graduate student news:

Graduate enrollments continue apace in both quality and quantity. While many of our graduate students are New Mexico natives and/or UNM graduates, the Department continues to attract graduate students both nationally and internationally. In recent years, recent MA graduates have gone on to UNC-Chapel Hill: one has just passed his doctoral comps at UNC - Chapel Hill, while another finished her Ph.D. there and received a post-dissertation fellowship before she assumes a tenure-track job at Baylor University in Fall 2012. Jane Evans, another graduate student in FLL, was just awarded tenure at UTEP, and a 3rd recent PhD works as the language coordinator at Duke University. A recent MA recipient in German Studies is teaching at Caspar College in Wyoming. Other recent MA students have gone on to do PhD work at the University of Minnesota and NYU. Classics graduates have also done very well: two recent graduates are now fully employed in tenure track positions at UNM and the University of Auckland, NZ. Several recent MAs are enrolled in PhD programs (at Duke, UC Irvine, CU Boulder), and BA's are in MA programs (at UNM, CU Boulder, NYU). Many of Classics graduates are teaching at prestigious local high schools (Bosque Prep, Cottonwood Classical, Volcano Vista), and at high schools in other states (Oregon, Colorado, California, Nevada, North Carolina).

The interdisciplinary CL/CS program remains very healthy and continues to attract new students from all over the country, which—in light of the fact that student funding is rather limited—speaks highly of this kind of academic curriculum. There are currently15 active graduate students in CL/CS, 8 are either on the CL/CS track, and 7 have signed up under Classics. 5 additional students are due to graduate in AY 2010.

As in the previous year, the highlight of graduate student research efforts was the 2nd Annual Cultural Studies Conference. This year, the graduate students took on full responsibility for designing and organizing the event, and faculty assumed an advising position. For the students on the conference committee this kind of academic engagement was a great chance to enhance their professional skills. Dr. Neil Larson, Professor in Comparative Literature and Critical Theory from UC Davis, was keynote speaker. Because of cuts in travel funding, there were fewer participants from other graduate programs, but more UNM students. Finally, in commemoration of the tragic death of one of our graduate students, FLL created the "Stefania Gray Award," awarded to the presenter whose paper and delivery was outstanding in terms of overall clarity of argument, theoretical focus, attention to detail, and fluidity of presentation.

Advanced FLL graduate students presented not only at the CL/CS conference in Spring 2010, but also at national conferences such as the African Literature Assn. conference in Tucson, AZ, also last spring. An essay on film theory by Kayla Hill, a graduate student in the German program, was published in UNM's *Best Student Essay* magazine. Kayla was also nominated for the "Susan Deese Outstanding TA Award for 2009/10."

Development activities

Development activities were more actively pursued in 2009/10 and will be yielding significant results in 2010/11.

Outreach and public lectures (all free and open to the public):

FLL continued its tradition of sponsoring and supporting an active series of public lectures and initiatives. FLL's signature recruiting event is the spring Language Expo, which brings about 600 high school students from the state and from El Paso to explore language learning possibilities at UNM. In Spring 2010, FLL also hosted the 2nd Tournees Film Festival, with support from the French Consulate in Los Angeles. And the CL/CS graduate student conference was open to the public and was attended by students from other departments, including Spanish and Portuguese and English.

FLL Dept Events, 2009-2010

September 2009

- 12th: "English Rakugo-Japanese Traditional Sit-Down Comedy" performance in Rodey Theater
- 22nd: "Growing up in Turbulent Times: Russia from the 1980s to the Present," by Vladimir Ivantsov, Moscow State University , co-sponsored with ISI
- 25th: "The Erotic Politics of the Lusiads," Prof. Carmen Nocentelli

October 2009

- 2nd: Mid-autumn Japanese Festival Celebration (community event)
- 21st: "Discovering Selma Meerbaum-Eisinger: Her Poetry, the Holocaust and Their Meanings Today," public lecture, reading, and discussion by Dr. Helene Silverblatt, co-sponsored with UNM Dept. of Psychiatry
- 30th: "What is Ideology?" Cultural Studies Panel. Panelists: Susanne Baackmann, Pamela Cheek, Alyosha Goldstein, Tema Milstein, Iain Thomson

November 2009

- Revolutions of 1989: From Tiananmen Square to the Berlin Wall; co-sponsored with International Studies Institute
  - (i) 4th: "Home is Where the Wall is: Ambivalence in Margarethe von Trotta's 1994 Film The Promise," Katija Schroter, Associate Professor of German, UNM
  - (ii) 5th: Panel Discussion on "Lives under Socialism" with UNM faculty members Sever Bordeianu (General Library), Tania Ivanova (FLL); Katja Schroeter (FLL), Erika Monahan
- 10th: CL/CS lecture: "The Black Route Southwest," Tony Gleaton, photographer
- 21st: Public Conversation with David Abram, "Discourse of the Birds"

December 2009

- 1st: "Homeric Durability: Time and Poetics in Homer's *Iliad*." By Dr. Lorenzo Garcia Jr, Assistant Professor of Classics

March 2010

- 6th: UNM Foreign Language Expo UNM, Albuquerque, Ortega Hall
- 8th: "Outsider Poetry in German," Guest speaker Dr. Jenn Hoyer, U of Minnesota
- 9th: "Americans in Paris," Prof. Walter Putnam, Public Lecture, UNM Art Museum
- 26th: *Tournees* French Film Festival

April 2010

- 2nd through 23rd: *Tournees* French Film Festival, cont.
- 5th: Presentation and reading from new book edited by Professor emeritus Peter Pabisch

- 16th-17th: Spring 2010 Second Annual Cultural Studies Graduate Student Conference UNM, Albuquerque. Keynote Speaker: Neil Larsen (UC Davis)

Other Activities:

- German Club meets every Thursday at 8pm
- French Club meets several times during Fall 2009/Spring 2010 terms.

Staff:

No major staff changes.

New or ongoing initiatives:

- Receive permission to recruit for a German tenure track position, which has been vacant for 4+ years..
- Reduce language class sizes to improve student retention and success, and to conform to guidelines set by the Assn. of Departments of Foreign Languages. Some of our beginning language classes have enrolled 30+ students per section, which is twice what the guidelines that our national language teaching association (ACTFL) recommend.
- Increase number of contact hours to 5 per week for students in beginning and intermediate levels of those languages designated as critical by the Department of Defense, Arabic, Chinese and Russian, as well as Japanese.
- Strengthen recruitment efforts for FLL graduate programs through both internal and external funding.
- Expand study abroad programs sponsored by FLL and its faculty.
- Continue to re-qualify for STARTALK grant, which offers summer institutes in the critical areas of Chinese and Arabic languages to high school students.

Department of Geography
July 1, 2009 to June 30, 2010
Richard Santos, Interim Chair

Developments During the Academic Year

Overview: The 2009-10 academic year was a transition period within the department. Long time chair Paul Matthews went to half time necessitating an interim chair be brought in to fill the position until a replacement could be hired. Because the department had an interim chair, planned programmatic revisions were put on hold. The department started the academic year with 6.5 FTE, and is now at 7.5 FTE. The primary goal for the department in FY 10 was to hire a new department chair. Three candidates were interviewed, and the department successfully acquired Professor Scott Freundschuh from the University of Minnesota Duluth & the National Science Foundation.

Planning and Curriculum Revision: In FY's 08 & 09 the department completed a major assessment and revision of its bachelors and masters curriculums. The department completed the implementation of these revisions in FY 10, and has plans to initiate assessment of the success of these changes. With the hiring of a new chair other planned programmatic revisions will be revisited in the coming year and changes implemented.

Speaker series: This year's public lectures were presented on the following topics:

Dr. Carl Bauer - River Governance and Water Markets in Chile: Law, Economics, and Geography.

Dr. Scott Freundschuh - Spatial Concept Understanding in Large-Scale, Geographic Spaces

Catherine Page Harris - Borders and Lines: Invisible Boundaries and Their Ecologies

Dr. Robert Hickey - Benthos and Birds: 10 Years of Collaborative Research at Roebuck Bay, Western Australia

Dr. Eric Perramond - Political Ecologies of Cattle Ranching in Northern New Mexico.

Dr. Jeffrey Wilson - Environmental Context in Health and Medical Research: A Case for Geographic Information Science.

Progress on Plans and Recommendations from Academic Program Review

Implementation of Program Review Recommendations: The Academic Program Review Team from FY 08 had recommendations for which the Department has nearly completed. The remaining recommendations that have yet to be implemented include (below in italics):

1) *Continue the strong departmental leadership by recruiting from outside UNM a department chair with expertise in environmental management/GIScience.*

   The Department successfully recruited Professor Scott Freundschuh from the University of Minnesota Duluth and the National Science foundation. Professor Freundschuh's appoint begins in FT 11.

2) *Increase the technical and administrative support for the department with a second (preferably full time) office staff person, a computer lab technical person, and a person to handle undergraduate and graduate advising.*

No progress was made on these three initiatives because of budgetary constraints.

3) *Provide additional funding of laboratories for physical geography and GIScience in terms of equipment, software licensing and support, and additional teaching assistant positions.*

No new progress on this initiative due to budgetary constraints.

Appointments of Faculty/Staff

Scott Freundschuh was appointed as Department Chair and Professor of Geography. Professor Freundschuh was at the University of Minnesota Duluth for 16 years and for the last two years was a Program Officer in Geography and Spatial Sciences and Technical Coordinator for the NSF funded Spatial Intelligence and Learning Center at the National Science Foundation. His research interests are in the field of spatial cognition. He has conducted studies on the role that sources of spatial information, such as maps and navigation play in cognition and learning, has explored the development of spatial concept understanding in small- and large-scale spaces, and has tested the use of novel map representations to perform spatial tasks such as navigation and location tasks. His work is clearly interdisciplinary, involving research relevant to behavioral geography, cognitive psychology and GIScience in general. He will be teaching courses within the GIScience curriculum.

Separations of Faculty/Staff

Olen Paul Matthews went from 1.0 FTE to 0.5 in FY 2010. Professor Matthews will continue to teach courses in the department and serve as undergraduate advisor.

Publications of the Department and Faculty

Benson, M. H.

Benson, M.H. and Garmestani, A.S. In. Press. Embracing panarchy, building resilience and integrating adaptive management through a rebirth of the National Environmental Policy Act. Forthcoming in *Journal of Environmental Management* (submitted March 2010).

Benson, M.H. In Press. "Regional Initiatives: Scaling the Climate Response and Responding to Conceptions of Scale," *Annals of the Association of American Geographers* (2010 Special Issue on Climate Change).

Benson, M.H. 2010. "Adaptive Management Approaches by Resource Management Agencies in the United States: Implications for Energy Development in the Interior West" *Journal of Energy & Natural Resources Law* 28 (1) 87-118.

Benson, M.H. 2010. "Legislative Reallocation: How Compliance with Federal Legislative Initiatives including the Endangered Species Act Results in the Redistribution of Water Resources." *Journal of Contemporary Water Research and Education* 144 (1-7).

Benson, M.H. 2009. "Integrating Adaptive Management and Oil and Gas Development: Existing Obstacles and Opportunities for Reform" *Environmental Law Reporter* 39: 10962-78.

Benson, M.H. In Press. "The Policy Arena: Removing Roadblocks for Conservation on Public Lands in the United States" in Energy Development & Wildlife Conservation in Western North America. David Naugle, ed. Island Press: Washington, D.C.

Ogden, F. and Benson, M.H. *Integrated Management of Groundwater and Surface Water Resources: Investigation of Different Management Strategies and Testing in a Modeling Framework.* Report to

the Wyoming Water Research Program, National Institutes for Water Resources (NIWR) funded jointly through the U.S. Geological Survey and the State of Wyoming Water Development Commission. (April 2010)

Carr, J.N.

Carr, J. (2010, In Press). Skating Around The Edges Of The Law: Urban Skateboarding And The Role Of Law In Determining Young Peoples' Place In The City. *Urban Geography*. 31 (7) (Legal Geographies series).

Carr, J. (2010, In Press). Seattle, Skateboarding, And Public Space: The Playground vs. The Clubhouse. In M. Brown (Ed.) *Seattle Geographies*. Seattle: University of Washington Press.

Carr, J., Herbert, S.K., & Brown, E. (2009). Inclusion under the law, exclusion from the city: The regulation of bodies and places in Seattle. *Environment & Planning: A*. 41(8), 1962 -1978.

Carr, J. (2009). Foucault's Archeology and Geneology. In Littlejohn, S. & K. Foss (Eds.) *Encyclopedia of Communication Theory*. Thousand Oaks: Sage

Cullen, B.T.

Cullen, B.T., 2009. CAPE TOWN: A FUTURE QUEER INTERNATIONAL DESTINATION?" Papers of the Applied Geography Conferences, Vol. 32.

Duvall, C.S.

Duvall, C.S. 2010. Trans-Atlantic violence: The landscape legacy of African warfare in the Americas. In *War and Peace in Africa* (T. Falola & R.C. Njoku, eds.): 73-100. Carolina Academic Press: Durham, NC.

Duvall, C.S. and G. Smith. 2009. République du Mali. In *Atlas Mondial des Grands Singes et de leur Conservation* (J. Caldecott & L. Miles, eds.): 412-418. Editions UNESCO: Paris.

Duvall, C.S. 2009. A Maroon legacy? Sketching African contributions to live fencing practices in early Spanish America. *Singapore Journal of Tropical Geography* 30(2): 232-247.

Lane, K.M.D.

Lane, K. Maria D. (Under review) "Water, technology, and the courtroom: Negotiating reclamation policy in territorial New Mexico." Submitted to *Journal of Historical Geography*, 7/2010.

Lane, K. Maria D. (In press) Review of Karen M Morin, *Frontiers of Femininity: A New Historical Geography of the Nineteenth-Century American West* (Syracuse: Syracuse University Press, 2008) for *Cultural Geographies*.

Lane, K. Maria D. (In press) Review of Douglas R. Littlefield, *Conflict on the Rio Grande: Water and the Law, 1879-1939* (Norman: University of Oklahoma, 2008) for *Journal of Historical Geography*.

Lane, K. Maria D. (Accepted 8/2009) "Reading Boulder Dam: landscape alteration as national transformation in 1930s America." *Aether: The Journal of Media Geography*. Special issue, "Landscape, history, and media," eds. Christina Dando and Eric Olmansen.

Lane, K. Maria D. (2010) Review of Joseph P. Sánchez, *Between Two Rivers: The Atrisco Land Grant in Albuquerque History, 1692-1968* (Albuquerque: University of New Mexico Press, 2008) in *Journal of Historical Geography* 36: 114-115.

Lane, K. Maria D. (2009) Review of Michael P. Conzen and Diane Dillon, *Mapping Manifest Destiny: Chicago and the American West* (Chicago: Newberry Library, 2007), H-HistGeog, *H-Net Reviews*, 3 pgs.

Matthews, O.P.

"Water Reallocation in the West: An Inconvenient Truth," Journal of Contemporary Water Research and Education, 144: 1- 4 (2010).

"The Dominant Water Estate and Water Reallocation", Journal of Contemporary Water Research and Education, 144: 75- 83 (2010).

Zandbergen, P.

Zandbergen, P.A. and D.A. Ignizio. In Press. Comparison of dasymetric mapping techniques for small area population estimates. Cartography and Geographic Information Science.

Zandbergen, P.A. In Press. Characterizing the error distribution of LIDAR elevation data. International Journal of Remote Sensing.

Zandbergen, P.A. 2010. Accuracy considerations in the analysis of depressions in medium resolution lidar DEMs. GIScience and Remote Sensing, 47(2): 187-207.

Zandbergen, P.A., J. Levenson, and T.C. Hart. 2010. Residential proximity to schools and daycares: An empirical analysis of sex offense recidivism. Criminal Justice Behavior, 37(5): 482-502.

Zandbergen, P.A. 2010. Methodologic issues in using land cover data to characterize living environments of geocoded addresses. Environmental Health Perspectives, 118(3): A108.

Zandbergen, P.A. 2009. Accuracy of iPhone locations: A comparison of assisted-GPS, WiFi and cellular positioning. Transactions in GIS, 13(s1): 5-25.

Picone, G.A., D.B. Ridley and P.A. Zandbergen. 2009. Distance decreases with differentiation: Strategic agglomeration by retailers. International Journal of Industrial Organization, 27: 463-473.

Zandbergen, P.A. 2009. Geocoding quality and implications for spatial analysis. Geography Compass, 3(2): 647-680.

Zandbergen, P.A. 2009. Methodological issues in determining the relationship between street trees and asthma prevalence. Journal of Epidemiology and Community Health, 63(2):174-175.

Zandbergen, P.A. and T.C. Hart. 2009. Geocoding accuracy considerations in determining residency restrictions for sex offenders. Criminal Justice Policy Review, 20(1): 62-90.

Zandbergen, P.A. 2009. Exposure of US Counties to Atlantic Tropical Storms and Hurricanes, 1851-2003. Natural Hazards, 48(1):83-99.

Zandbergen, P.A. and T.C. Hart. 2009. Availability and spatial distribution of affordable housing in Miami-Dade county and implications of residency restriction zones for registered sex offenders. Greater Miami Chapter of the American Civil Liberties Union of Florida.

Outside Professional Activities

Benson, M. H.

Benson, M.H. Geographies of Mt. Taylor: the Legal, Political and Cultural Implications of Proposed Uranium Mining Development in one of New Mexico's most Sacred Spaces. Ortiz Center Faculty Symposium, Albuquerque, NM. 16 March 2010.

Benson, M.H. Climate Change: Implications for Environmental and Land Use Planning and Management. Collaborative Adaptive Management Network Annual Rendezvous, Tucson, AZ. 9 March 2010.

Benson, M.H. and Garmestani, A.S. The Institutional Integration of Emerging Theories Regarding Social-Ecological Systems. Association for Environmental Studies and Sciences. 2010 Conference. Portland, Oregon, 19 June 2010.

Garmestani, A.S. and Benson, M.H. Embracing Panarchy and Building Resilience: Reworking Environmental Laws to Address Wicked Problems. Association for Environmental Studies and Sciences. 2010 Conference. Portland, Oregon, 19 June 2010.

Miller, S.N. and Benson, M.H. Assessment of Coalbed Natural Gas Active Well Migration in Wyoming's Powder River Basin: Implications for Adaptive Management. Energy Resources and Produced Water Conference. Laramie, Wyoming. 25 May 2010

Benson, M.H. Governing for Resilience: Institutionalized Perceptions of Stationarity and their Implications for Ecosystem-based Adaptive Management. Paper Session. American Association of Geographers Annual Conference.
Washington, D.C. 18 April 2010.

Benson, M.H. "Law and Geography: Examining Intersections of Theory and Application within Legal Geography. Panel Discussion. American Association of Geographers Annual Conference Washington, D.C. 18 April 2010.

Benson, M.H. "The National Environmental Policy Act: is it Time to Put Teeth Back in the Tiger?" The 32nd Applied Geography Conference. Baton Rouge Convention Center Hotel. 29 October 2009

Carr, J.N.

Invited Reviewer, Professor Moises Gonzales' "Human Settlements" course. School of Community and Regional Planning, University of New Mexico. Reviewed and provided feedback to final student projects - April 2010.

Founding Member, *Transdisciplinary Research Group*, University of New Mexico. 2009-present

Reviewer. *Geography Compass.* 2010

Reviewer. *Action Research.* 2010

Reviewer. *Journal of Broadcasting & Electronic Media.* 2009

Ph.D. Committee Member. Elizabeth Dickenson, Department of Communication and Journalism, University of New Mexico. 2008-2010. Elizabeth's dissertation explores the intersections between environmental communication and urban sprawl in the context of the Petroglyph National Park in New Mexico.

Member of Board of Directors, Stronghurst Neighborhood Association. February 2008-present. Albuquerque, New Mexico.

Cullen, B.T.

Cullen, B.T., 2009. Cape Town: A Future Queer International Destination? Papers of the Applied Geography Conference, Baton Rouge, 2009.

Cullen, B.T., Cape Town's Queer Festivals. Annual Meeting, Association of American Geographers, Washington D.C., 2010

Editorial Board, Southwest Geographer

Editorial Board, Scottish Geographer

Board of Directors, Applied Geography Conferences

Paper Reviewer, Papers of the Applied Geography Conferences

AAG Membership Committee

IGU, Member, Commission, Marginal Regions and Marginalized Groups

Duvall, C.S.

Duvall, C.S. April 18, 2010. "Possible long-term influences of Maroon land management practices in Central America during the 1500s and 1600s". Paper presented at the Association of American Geographers 106th Annual Meeting, Washington, DC, April 14-18.

Birnbaum, P., C.S. Duvall, and J. Florence. April 26, 2010. "Hotspots of floristic diversity in the Sudanian forests of Mali". Refereed presentation by Birnbuam at the 19th AETFAT Congress, Antananarivo, Madagascar, April 25-May 1.

Goldsberry, K.G. & C.S. Duvall. November 17, 2009. Visualizing nutritional terrain: An atlas of produce accessibility in Lansing, Michigan, USA. Refereed presentation by Goldsberry at the 24th International Cartography Conference, Santiago, Chile, November 15-21.

Landscape Change in the Atlantic World, Part 1: African Connections. Organizer and Chair of this special paper session at the Association of American Geographers 106th Annual Meeting, Washington, DC, April 14-18, 2010,

Landscape Change in the Atlantic World, Part 2: European Connections. Organizer and Chair of this special paper session at the Association of American Geographers 106th Annual Meeting, Washington, DC, April 14-18, 2010.

Duvall, C.S. May 12, 2010. "Human-Environment Relationships of Climate Change", Presentation for the Climate Masters Adult Education Program, Albuquerque Office, Environment Department, State of New Mexico.

Duvall, C.S. January 27, 2010. "Human-Environment Relationships of Climate Change", Presentation for the Climate Masters Adult Education Program, Albuquerque Office, Environment Department, State of New Mexico.

2/2010-present: Member, Editorial Advisory Board for _Notes and Records: International Journal of African and African Diaspora Studies_, Kentucky State University Press

11/2007-present, Member, International Review Panel for _African Journal of Ecology_, Blackwell Publishing

9/2007-present, Member, Editorial Review Board for _Taking Sides: Clashing Views on African Issues_, McGraw-Hill Publishing

8/2003-present, Member, Great Ape Subsection of the IUCN Species Survival Commission Primate Specialty Group

June, 2010: Reviewed a grant proposal for the National Geographic Society, Committee for Research and Exploration

Reviewed 6 manuscripts for academic journals: *African Journal of Ecology, Agriculture and Human Values, Forests Trees and Livelihoods,* John Benjamins Publishing Company (book chapter manuscript), *Geography Compass, Society & Natural Resources*

Reviewed two book-length manuscripts: University of Chicago Press, Pearson-Prentice Hall

Lane, K.M.D.

"Water, technology, and the courtroom: New Mexicans resist the Reclamation Era." Colloquium presentation for the Department of History, University of New Mexico, April 30, 2010.

"Critical geographies of outer space." Panelist for a special session at the Annual Meeting of the Association of American Geographers. Washington, DC. April 18, 2010.

"Water technology, discourse, and the courtroom: New Mexicans resist the Reclamation Era." Paper presented at the Annual Meeting of the Association of American Geographers. Washington, DC. April 16, 2010.

"Placing science: Mars and the geography of water resource management." Colloquium presentation for the Department of Global and Sociocultural Studies, Florida International University, February 25, 2010.

Member of Editorial Board, *Historical Geography*

Reviewed 3 manuscripts for academic journals: *Geographical Review, Historical Geography* (2), and one manuscript for a book chapter: *Springer Press.*

2009-2010, Board of Directors and Student Paper Competition Chair, Historical Geography Specialty Group of the Association of American Geographers

Matthews, O.P.

NSF Panel reviewer. Decision Making Under Conditions of Uncertainty. September 2009

Advisory Board, Geography Annual Editions, McGraw Hill Publications

AAG committee on revising Professional ethics statement

Editorial Board: Journal of Contemporary Water Research and Education

Issue editor: Reallocating Water under Prior Appropriation, Journal of Contemporary Water Research and Education, Issue 144 (2010).

"Can Adaptive Management be Incorporated into Western Water Law", Paper presented AAG Annual Meeting Washington D.C.

"The ASCE Model State Water Code—Revisited", Paper presented Applied Geography Conference, Baton Rouge, 2009.

Zandbergen, P.

Zandbergen, P.A. and T.C. Hart. Effects of data quality on predictive hotspot mapping. Paper presented at the National Institute of Justice Conference, June 14-16, 2010, Arlington, VA.

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Lenzer, K. And P.A. Zandbergen. Clustering of fast food restaurants around schools. Paper presented at the ESRI Southwest Users Group Conference, April 21-23, 2010, Moab, UT.

Zandbergen, P.A. Impacts of sex offender residency restrictions on the availability of affordable rental housing in Miami-Dade County. Paper presented at the Annual meeting of the Association of American Geographers. April 14-18, 2010. Washington, DC.

Zandbergen, P.A. Privacy considerations in utilizing location traces. Paper presented at the Space-time modelling and analysis workshop, February 22-23, Redlands, CA.

Levenson, J., T. Hart and P.A. Zandbergen. The relationship between residential proximity and sex offense recidivism. Paper presented at the American Society of Criminology Annual Meeting, November 4-7, 2009, Philadelphia, PA.

Zandbergen, P.A. A critique of the National Standard for Spatial Data Accuracy. Paper presented at the ESRI Southwest Users Group Conference, October 21-23, 2009, Pueblo, CO.

Ignizio, D. and P.A. Zandbergen. Dasymetric mapping of population density in New Mexico suing imperviousness and road density. Paper presented at the ESRI Southwest Users Group Conference, October 21-23, 2009, Pueblo, CO.

Athens, E. and P.A. Zandbergen. Effects of neighbourhood characteristics on the performance of WiFi positioning for mobile GIS. Paper presented at the ESRI Southwest Users Group Conference, October 21-23, 2009, Pueblo, CO.

Zandbergen, P.A., J. Levenson, and T.C. Hart. Residential proximity to schools and daycares: An empirical analysis of sex offense recidivism. Paper presented at the Crime Mapping Research Conference, August 19-22, 2009, New Orleans, LA.

Hart, T.C. Geocoding accuracy considerations in determining residency restrictions for sex offenders. Paper presented at the Crime Mapping Research Conference, August 19-22, 2009, New Orleans, LA.

Zandbergen, P.A. 2009. Accuracy of iPhone locations: A comparison of assisted-GPS, WiFi and cellular positioning. Paper presented at the ESRI International User Conference, July 14-18, 2009, San Diego, CA.

Co- Editor of Crime Mapping: A Journal of Research and Practice, 2008 - present.

Editorial Board Member, Environmental Health Insights, 2008 - present.

Panel reviewer, National Institute of Justice, 2010

Panel reviewer, National Science Foundation, 2010

Nominee, Regents' Lecturer, University of New Mexico

Nominee, Outstanding Teacher of the Year Award, University of New Mexico

Outside Sponsored Research

Benson, M. H.

Co-project investigator with Dr. Fred Ogden, Department of Civil & Architectural Engineering. "Integrated Management of Groundwater and Surface Water Resources: Investigation of Different

Management Strategies and Testing in a Modeling Framework." Funded by the University of Wyoming Water Research Program (March 2007 to February 2010) Award $140,248.

In. Review. Co-Project Investigator with Julie Coonrod, Civil Engineering; Susan Kelly, School of Law; Mark Stone, Civil Engineering; Cliff Dahm, Biology; Grant Meyer, Earth & Planetary Sciences. *Sustainability of a System: Building Resilience in Governance and Water Regimes in the Rio Grande*. National Science Foundation Water Climate and Sustainability Program Category I ($150,000) (submitted 4/15/2010).

Duvall, C.S.

June 2010: Curriculum Development Grant (Co-PI, Bruce Milne PI), $300,000, U.S. Department of Agriculture, Hispanic-Serving Institutions Education: "Collaborative for Sustainable Foodsheds"

January 2010: Research Grant (PI), $19,775, Robert Wood Johnson Center for Health Policy Research: "Geographic Information Tools for Assessing Spatial Relationships Between Food Accessibility, Food Availability, and Diet-Related Public Health"

Lane, K.M.D.

Intersections of Authority: Science, Law and the Management of Water Resources in New Mexico's Rio Grande Valley, PI, National Science Foundation, Science & Technology Studies, Award No. 0750115, June 2008 - May2011, $132,412.

Matthews, O.P.

Intersections of Authority: Science, Law and the Management of Water Resources in New Mexico's Rio Grande Valley, Co-PI, National Science Foundation, Science & Technology Studies, Award No. 0750115, June 2008 - May 2011, $132,412.

Zandbergen, P.

Robert Wood Johnson Foundation Center. Geographic information tools for assessing spatial relationships between food accessibility, food availability, and diet-related public health in a local community. Co-Principal Investigator. PI is Chris Duvall, Geography, University of New Mexico. 2010-2011. $19,775.

National Institute of Justice. Effects of Data Quality on Predictive Hotspot Mapping. Co-Principal Investigator. Co-Principal Investigator. PI is Timothy Hart, University of Nevada, Las Vegas. 2010-2012. $193,040.

National Science Foundation. Reverse geocoding, geographic masking and geospatial privacy. Principal Investigator. 2008-2011. $121,980.

American Civil Liberties Union - Greater Miami Chapter. Availability and Spatial Distribution of Affordable Housing in Miami-Dade County and Implications of Residency Restriction Zones for Registered Sex Offenders. Principal Investigator. Co-PI is Timothy Hart, University of Nevada Las Vegas. 2008-2010. $29,500

Department of History

Annual Report, 1 July 2009 30 June 2010

By: Charlie R. Steen, Chair

1. Significant developments during the academic year
Faculty

Ferenc Szasz, a member of the Department since 1967, fell ill in March, 2010 and died June 20, 2010. This was utterly unexpected and is an incredible loss to the Department. He was the complete faculty member, excelling in teaching, research, and service. The paper he delivered last year for the UNM Annual Research Lecture, Abraham Lincoln and Robert Burns: Connected Lives and Legends, and his study of comics as part of American culture climaxed a varied and incredible research career. He is already missed among students, and particularly among the numerous graduate students who relied on him for guidance in their dissertation work. All of the faculty feel his absence as a colleague whose kindness and measured response to issues made the Department a more civilized place.

On a happier note, Virginia Scharff was instrumental in organizing the exhibition "Home Lands: How Women Made the West" at the Autry National Center in Los Angeles and authored the official catalog, a masterful blend of text and illustrations.

Also this spring, Timothy Graham won a Teaching Excellence Award from the College of Arts & Sciences. Sam Truett engaged in the major task of finding the funding necessary for the University to join the Newberry Consortium in American Indian Studies, housed in the D'Arcy McNiclle Center for American Indian and Indigenous Studies of the Newberry Library. Professor Truett lobbied, negotiated, and cajoled various offices and divisions of the entire University and managed to obtain the cooperation of each of them. His success gives the University membership in a select group of schools with active graduate programs in the American West and Native American Studies and will benefit the entire graduate program.

Two of our assistant professors, Cathleen Cahill and Sarah Cornell, spent the year at the Clements Center at Southern Methodist University Clements. Each had received the Clements Research Fellowships for the Study of Southwestern America. Professor Cahill used the time to complete her book *Federal Fathers and Mothers: The United States Indian Service, 1869-1932*, forthcoming from the University of North Carolina Press.

Eliza Ferguson published *Gender and Justice: Violence Intimacy, and Community in Fin-de-Siècle Paris* (The Johns Hopkins University Press, Baltimore, 2010).

Eliza Ferguson also ran the UNM History Workshop this year with great success. Presenters from other universities joined members of our faculty and graduate students in offering chapters of works in progress for comment and discussion.

Barbara Reyes took sabbatical leave to work on her project on Latinas in American public service.

In a pleasant reminder of the past, former Professor John Kessel gave the graduation address to the class of 2010. He revived our fond memories of him with a talk full of wit and excellent advice for graduates.

Developments within the Department.

Undergraduate Students.

The History Department awarded 215 Baccalaureate degrees. Twelve of them earned Departmental honors.

Graduate Students

At the 2010 graduation ceremony, two students received the Master of Arts degree and three were awarded Doctor of Philosophy degrees. Five graduate students received the department's major awards. Lucinda Grinnell won the Phillips Fellowship for an advanced dissertation student. B. Erin Cole won the Woodward Fellowship that supports dissertation research on a Southwest topic. Shawn Wiemann received the William M. Dabney Scholarship in Early American History. Lucinda Grinnell and Brian Turo were awarded the Timothy D. Moy Teaching Fellowship for their excellent performance as Graduate Assistants

2. Academic Performance Review.

In October 2009, a distinguished panel of academics spent three days reviewing every aspect of life in the Department. Paula Findlen or Stanford University, Donald Fixico of Arizona State University, and Christian Fritz of the University of New Mexico School of Law reviewed our courses and programs, interviewed undergraduate and graduate students, met with the staff, and spoke with each faculty member. The team made positive recommendations concerning our programs and recommended additions to the faculty to restore the department to levels in accord with our educational mission.

3. Significant plans and recommendations for the near future.

The recommendations of the Academic Performance Review team call for additions to the faculty in Medieval History, History of the Ancient World and the History of Science. The Department has presented a hiring plan to the College and hopes to implement it in the coming years.

4. Appointments to faculty and staff

None

5. Separations of faculty

Ferenc Morton Szasz.

6. Faculty Publications and Presentations at Scholarly Meetings (the department records this information by calendar year, CY 09)

Melissa Bokovoy

"Kosovo under Autonomy," Melissa Bokovoy, Momcilo Pavlovic, and Nebojsa Vladisavljevic in *Confronting The Yugoslav Controversies (Central European Studies),* eds., Charles W. Ingrao and Thomas A. Emmert (Purdue University Press, 2009), 48-82. (I contributed a ¼ of the writing and did all the editing, rewriting, translated Popovic's portion), and proofing.

The Nonconformists: Culture, Politics, and Nationalism in a Serbian Intellectual Circle, 1944--1991. By Bokovoy, Melissa. American Historical Review, Feb2009, Vol. 114 Issue 1, p244-245, 2p;

Balkan Anschluss: The Annexation of Montenegro and the Creation of the Common South Slavic State. Citation By: Bokovoy, Melissa. Canadian Slavonic Papers, Dec2009, Vol. 51 Issue 4, p579-580, 2p;

Symposium Paper, "Gendering Grief," Symposium on Religion, Gender and the Balkans (invited participant of 12 for ACLS)., Bowdoin College, October 2009.

Discussant and Chair for Collaboration and Resistance during WWII in Yugoslavia, American Association for the Advancement of Slavic Studies, Boston, November 2009.

Cathleen Cahill

Review of Michael Coleman, *American Indians, the Irish, and Government Schooling: A Comparative Study* in New Mexico Historical Review, Volume 84, Number 4 (Fall 2009): 545–46

Paper Presented: "An Ojibwa among the Navajo and Other Stories: Intertribal Exchange in the Federal Indian Service ," 2009 Annual Meeting of the American Society for Ethno history , New Orleans, LA, Sept. 30-Oct. 4, 2009

Pre-Circulated Paper Presented: "'Seeking the Incalculable Benefit A Faithful, Patient Man and Wife': Married Employees in the Federal Indian Service," at UNM as participant in *On the Borders of Love and Power Symposium* jointly sponsored by UNM's Center for the Southwest and Southern Methodist University's Center for Southwestern Studies. October 23, 2009.

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[Also responsible for reading and commenting on the eleven other papers included in the symposium]

Margaret Connell-Szasz

"Cultural Encounters: Native People, New Mexico, and the United States", in *Telling New Mexico, A New History*, Marta Weigle, with Frances Levine and Louise Stiver (Santa Fe: Museum of New Mexico Press, 2009), 195-207.

"Native American Children," an essay appearing in *The Child, An Encyclopedia Companion*, Richard A.Shweder, ed. (Chicago: University of Chicago Press, 2009), 666-669. This was one of the major entries for the encyclopedia.

Ritva Levo-Henriksson, *Media and Ethnic Identity: Hopi Views on Media, Identity, and Communication.* (NY and London: Routledge, 2007), appeared in *NMHR, 84, no. 2,*
Spring 2009, 292-293.

George Pierre Castle, *Taking Charge: Native American Self-Determination and Federal Policy, 1975-1993.* (Tucson: University of Arizona Press, 2006), appeared in *North Dakota History* 75, nos. 1 & 2 (2008 – published in 2009), 34.
Participation at professional conferences. Identify by type (papers, session chairs, comments), venue, & date.

"Rendezvous in Edinburgh: Highland Gael and Mohegan Indian in Auld Reekie in 1767" Paper presented at "Scotland's Global Impact", an international conference held in Inverness, Scotland, October 22-24, 2009.

"Nations on the Move: Scotland, Ireland, Wales and Native America, 1960 to the Present," a conference for contributors to this collection of essays, edited by Margaret Connell Szasz. Conference hosted by the Research Institute for Irish and Scottish Studies, University of Aberdeen, Aberdeen, Scotland. October 29-30, 2009.

Co-editor for University of Nebraska Press series, "Indigenous Education"

Honorary appointment: Research Fellow, School of Divinity, History and Philosophy – 1 June 2009 to 31 May 2014

Sarah Cornell

Paper, Southern Historical Association, Louisville, Kentucky, November 2009.

Paper, Congreso Internacional de Americanistas, México, D.F., México, July 2009.

Paper, Rocky Mountain Council for Latin American Studies, Santa Fe, New Mexico, March 2009.

Paper, Clements Center, Southern Methodist University, November 2009.

Paper, Columbia Seminar on Early American History, Columbia University, April 2009 (nine scholars are invited to present each year).

Paper, Latin American and Iberian Studies Institute, Bard College, April 2009 (average of 4 scholars are invited to deliver papers each year)

Paper, Borderlands Lecture Series, Center for Southwest Studies, University of New Mexico, April 2009.

Short synthetic paper, Lincoln Bicentennial Roundtable, University of New Mexico, February 2009.

Paper, International Symposium on Understanding the South, Understanding America, Gainesville, Florida, January 2009 (19 scholars from various nations invited to fully funded 2-day conference, which was one part of a tripartite international symposium).

-*Samuel Flagg Bemis Research Grant,* Society for Historians of American Foreign Relations, 2009-2010 ($2,000) Very competitive, open to all history graduate students and junior faculty who work on any aspect of American Foreign relations. (note: award no longer exists in this form – it is now split into Bemis Dissertation Grant and William Appleman Williams Junior Faculty Grant)

-*Collaborative Research Group for the Study of the Global South Fellowship,* Tulane University, Spring 2009 ($3,000) Very competitive, open to scholars at all levels in all

Manuel Garcia y Griego

Manuel García y Griego, "La política exterior de México y la emigración a Estados Unidos: intereses y resultados". Book chapter in: *Temas de política exterior*, Ana Covarrubias, ed. Mexico City: El Colegio de México, 2008, 271-300. [Published in 2008 but not released until 2009; not listed in merit report in 2009.]

Manuel García y Griego, "Persistence and disintegration: New Mexico's community land grants in historical perspective", Natural Resources Journal v. 48, no. 4, 2009: 847-856.

Western Social Science Association, Albuquerque, NM April 2009. Panel organizer: NM Land Grants: past, present, future challenges

American Historical Association, Pacific Section, August 2009, Albuquerque, NM.
Presenter: "From Tijerina to the Land Grant Consejo"

Linda Hall

"México y Estados Unidos en la lucha por el petroleo. Una revision de los Tratados de Bucareli." 20/10 MEMORIA DE LOS REVOLUCIONES EN MEXICO, #2 (January, 2009).

"Guadalupan Devotion in Mexico: A Historiographical Consideration." HISTORY COMPASS 7/1 (2009), 95-106.

"The Virgin Mary and Migration: Images from the Mid-16th and the Late 20th Centuries," in Religion as Art: Guadalupe, Orishas, Sufi, edited by Steve Loza, UNM Press, 2009.

"Historia politica de Mexico en los añoes veinte: Petróleo, ejército, y educación, with Robert Carriedo, Joseph Lenti, and Andrae Marak. Mexico: Miguel Angel Porrua, 2009.

Roundtable Discussion: "Beauty, Power, and Politics in Image: Visual Representations of Gender," at History Colloquium: Let's Talk About Sex...and Gender, University of New Mexico, April 9, 2009.

Chair, Panel, "Running for the Plaza: Politicial Activism and Opportunity in Post-Tlatelolco Mexico," Rocky Mountain Council On Latin American Studies, Santa Fe, New Mexico, April 2009.

Roundtable Discussion: "The Status of Women in the Profession: a Presidential Roundtable," Pacific Coast Branch Annual Meeting, Albuquerque, New Mexico, August 7, 2009.

Roundtable discussion: "Close Neighbors Distant Friends?: The US and Latin America into the 21st-Century," Pacific Coast Branch Annual Meeting, Albuquerque New Mexico, August 8, 2009.

Jonathan Porter

"The Past is Present": The Construction of Macau's Historical Legacy
In *History & Memory*, vol. 21, no. 1 (Spring/Summer 2009), 63-100

Patricia Risso

"India and the Gulf: encounters from the mid-sixteenth to the mid-twentieth centuries," in Lawrence G. Potter, ed., *The Persian Gulf in History*, Palgrave-Macmillan, Jan. 2009, pp. 189—203.

Paper discussant for Thomas M. Ricks, "Bandar Abbas and the Gulf Ports, 1750 to 1920," at Gulf 2000 Project/Columbia University, research group conference, Sharjah, U.A.E., March, 2009.

Andrew Sandoval-Strausz

Review of Susan Sessions Rugh, *Are We There Yet?: The Golden Age of American Family Vacations*, in the *Journal of American History*, Vol. 96, No.1 (June 2009), pp. 286-287.

"Latino Landscapes: Immigration and Urbanism, 1945-2000," paper presented at the Vernacular Architecture Forum annual meeting in Butte, Montana, 12 June 2009.

"Palm Beach Hotels and the Architecture of Hospitality," lecture given at the Palm Beach Preservation Foundation, Palm Beach, Florida, 23 April 2009.

Virginia Scharff

"The House of the Three Wise Women: A Family Legacy in the Southwest," coauthored with Carolyn Brucken, *California History/Convergence*, 16:4, Fall 2009, pp. 44-59.

"What's Love Got to Do with It? A New Turner Thesis," *Western Historical Quarterly*, Spring, 2009, pp. 5-21.

Western History Association, Denver, Colorado, October 2009, paper presenter

Writing History Workshop, Yale University, December, 2009, paper presenter

Western Historians in New England, Amherst, Massachusetts, April, 2009, session convener and discussion leader (half-day session on Western Women's History)

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"Home Lands: How Women's Movements Made the West," Conference Keynote Address, Women Writing the West Conference, Los Angeles, California, September 2009.

"Home Lands: How Women's Movements Made the West," Conference Keynote Address, "Cultural Histories of Sociability, Spaces and Mobility," University of York and National Railway Museum, York, England, July 2009.

"The Women Jefferson Loved," presentation to Calhoun College Fellowship, Yale University, April 2009.

"The Women Jefferson Loved," presentation to Lamar Center for Frontiers and Borders, Yale University, April 2009.

"Home Lands: How Women's Movements Made the West," Conference Keynote Address, Women and Creativity Conference, Quinnipiac University, February 2009.

Chair and interviewer, "Two Biographers: Donald Worster and Philip Fradkin on John Muir and Wallace Stegner," Autry National Center, Los Angeles, CA, February 2009.

Chair and Interviewer, "Whatever Happened to Ennis Del Mar? Gay History and the American West," Autry National Center, November, 2009.

Jason Smith

Paperback edition of Building New Deal Liberalism: The Political Economy of Public Works, 1933-1956, (New York: Cambridge University Press, 2009), xiv + 283 pages, index.

Shorter research publications. List the title, location, publication date, and page numbers of each article, chapter, and review essay you published during the calendar year.

Jason Scott Smith: "Obama's New Deal?"; Essay; Rebuild America: Solving the Economic Crisis through Civic Works; Scott Myers-Lipton; Paradigm Publishers; Boulder, CO; 84-86; 2009.
Book reviews. Identify by title, location, date, and page numbers.

"A New Deal for Public Works"; paper presented as part of a state-of-the-field panel at the Organization of American Historians Annual Meeting, Seattle, WA; March 26-March 29, 2009.

"The New Deal and the Economic Approach to History"; invited presentation to Oakland Unified School District, Teaching American History Grant Summer Institute, Berkeley, CA; June 26, 2009.

Public History. Exhibit/Museum Curator, Film/Documentaries, etc.

Consultant to KQED (Northern California Public Television), for National Endowment for the Humanities Planning Grant, for "The New Deal Murals of San Francisco"

Invited participant, TPM Café Book Club discussion of Eric Rauchway, The Great Depression and the New Deal: A Very Short Introduction; http://tpmcafe.talkingpointsmemo.com/tpmcafe-book-club/2009/02/08-week/; February 9-13, 2009.

Reviewed book ms. for University of Pennsylvania Press, March 2009.

Reviewed article ms. for Business History Review, April 2009.

Reviewed article ms. for Enterprise & Society, April 2009.

Outside evaluator for tenure/promotion, sociology department, San Jose State University, for promotion to full professor, Fall 2009.

Interviewed by Alec MacGillis, Washington Post reporter, for story on job creation/economic stimulus, November 6, 2009.

Interviewed by Elaine Meyer, Columbia School of Journalism, February 5, 2009. Quoted in Alister Bull, "How U.S. Stimulus Plan Ranks against other Programs," Reuters news service, February 13, 2009.

Quoted in Krisy Gashler, "Federal Stimulus Package, circa 1933: New Deal left its Mark on Tompkins," Ithaca Journal, February 14, 2009.

Quoted in Marcia Clemmit, "Public-Works Projects: Do They Stimulate the Economy more than Tax Cuts?," CQ Researcher, February 20, 2009.

Quoted in Catherine Winter, American Radioworks documentary, "Bridge to Somewhere: Lessons from the New Deal," broadcast nationally in May, 2009; archived at http://americanradioworks.publicradio.org/features/infrastructure/

Charlie Steen

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Review of Jacqueline Kerkhoff, *Marie Van Hongarije en haar hof,* in the Renaissance Quarterly, LXII, No. 3, Fall 2009.

Ferenc Szasz

Article: "Pamphlets Away: The Allied Propaganda Campaign Over Japan During the Last Months of World War II." The Journal of Popular Culture 42; No. 3 (2009) 530-540

Article: "Abraham Lincoln and Robert Burns" chapter in Touched by Robert Burns: Images and Insights, edited by Andy Hall. (Edinburgh: Birlinn, 2008): 90-91. All profits from this publication go to UNICEF

Review of Michael Norman and Elizabeth M. Norman, Tears in the Darkness: The Story of the Bataan Death March and Its Aftermath (New York: Farrar, Straws, and Giroux, 2009) in Proceedings (the Historical journal of the US Naval Academy) June 2009, p. 74

Review of Earl Pomeroy, The American Far West in the Twentieth Century (New Haven: Yale University Press, 2008) in the American Historical Review (June 2009) : 797-798.

Review of Neil Campbell, The Rhizomatic West: Representing the American West in a Transnational global, media Age (Lincoln: University of Nebraska Press, 2008) in Choice (February 2009) Vol 46, no 6; 190 words; 43-3046

"Abraham Lincoln and Robert Burns" at the conference Scotland's Global Impact, Inverness, Scotland, November, 2009.

Guest lecture for Colin Snider's 162 evening class on subject of the Atomic Bomb; April 2009

Ran (with Margaret Connell-Szasz) a two-day conference for Teaching NM teachers; spoke on the Manhattan Project in New Mexico. Held June 10 at the National Atomic Museum

Comments on a UNM History Department Graduate Student Panel on "How to write a Meaningful Biography"

Delivered the UNM Annual Research Lecture in Continuing Education Building on "Abraham Lincoln and Robert Burns: Connected Lives and Legends" in May, 2009

Brief talk on "Lincoln and Aesop" for the Friends of UNM Library Feb 16, 2009. Willard Room

Exhibit/Museum Curator, Film/Documentaries, etc.

The material I sent to the Weather Channel on the weather at the time of the Trinity Site explosion (July 16, 1945) was incorporated into their July 16 show, and, presumably, will be shown periodically from now on.

6. Outside professional activities of staff members.

Not applicable

7. Outside sponsored research and outside sponsored public history projects

1. Paul Hutton, Grant from the National Park Service to map Little Big Horn National Monument in historically accurate terms.

2. Andrew Sandoval Strauss. Grant from the National Endowment for the Humanities

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CENTER FOR THE SOUTHWEST
DEPARTMENT OF HISTORY MSC O6 3760
1 UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, NM 87131-0001
2009-2010 Annual Report
Submitted by Virginia Scharff, Director and Professor of History

ORGANIZATIONAL:

The CSW continues to sponsor programs at UNM and to pursue partnerships with other research centers on the history and culture of the North American West. During the 2009-2010 academic year, the CSW participated in projects in collaboration with the Institute for the Student of the American West at the Autry National Center in Los Angeles, the William P. Clements Center for Southwest Studies at Southern Methodist University, the Bill Lane Center for the Study of the North American West at Stanford University, the USC-Huntington Library Center for the Study of California and the West, and the Lamar Center for Frontiers and Borders at Yale University. Director Scharff has also worked to secure further funding for the Center for the Southwest (see below, under "fundraising").

Virginia Scharff, Director of the Center for the Southwest and Professor of History, continues to teach one course per term, to carry a substantial load of graduate advising and independent study, and to pursue an active research program. She also holds the consulting position of Women of the West Chair in the Institute for the Study of the American West at the Autry National Center of the American West in Los Angeles. In connection with this consulting, she works on publications, programs, and exhibits.

EVENTS:

During the 2009-2010 academic year, the CSW hosted the following events:

"On the Borders of Love and Power: Families and Kinship in the Multicultural American West."

The Center for the Southwest, along with the William P. Clements Center for Southwest Studies at Southern Methodist University and the Institute for the Study of the American West at the Autry National Center in Los Angeles, cosponsored a symposium on the history of family and kinship in the American West. Thirteen workshop participants, including such distinguished scholars as Ramon Gutierrez of the University of Chicago, Susan Johnson of the University of Wisconsin, and Margaret Jacobs of the University of Nebraska, were selected from a nationwide pool of applicants, to present work-in-progress on the topic.

The two-part symposium began October 22-24, 2009, with a meeting at the University of New Mexico, hosted by the CSW and cooperatively funded with the Clements and Autry

Centers. Participants discussed pre-circulated papers, and took part in a public forum that attracted approximately fifty members of the public. Director Scharff hosted an opening dinner for the participants and Clements and Autry staff at her house. On Friday evening, participants experiences the glories of a multi-family New Mexican legacy. We gathered at Los Poblanos, the historic landmark residence and conference center designed by architect John Gaw Meem and built by Albert and Ruth Hanna McCormick Simms. The Rembe family, current proprietors of Los Poblanos and prominent advocates of New Mexico historic preservation and sustainable development, offered a tour of the house, and we dined on fare drawn from their onsite farm.

February 27-8, 2010, the group met again at SMU, to discuss revised papers and offer another public program. The University of California Press expects to publish an edited volume based on the symposium papers, possibly including work by the participants:

Tracy Brown, Central Michigan University
Dr. Cathleen Cahill, University of New Mexico
Ramon Gutierrez, University of Chicago;
Anne Farrar Hyde, Colorado College
Margaret Jacobs, University of Nebraska Lincoln
Katrina Liane Jagodinsky, University of Arizona, PhD candidate
Susan Lee Johnson, University of Wisconsin
Pablo Mitchell, Oberlin College
Monica Perales, University of Houston
Erika Perez, University of California, Los Angles, PhD candidate
Joaquin Rivaya-Martinez, Texas State University
Donna Schuele, University of California Irvine

Please note: The symposium's sponsoring institutions brought vastly different resources to the table. The Autry Institute, affiliated with UCLA as well as the Autry Museum, is one of two major research centers on the region, located in the largest city in the United States. The Clements Center is housed at a well-funded private university, and itself has a multimillion-dollar endowment. The Center for the Southwest had, for the 2009-2010 year, an operating budget of $8,000. We have already received one budget cut and anticipate further reductions in 2010-11. We endeavor to make up in outside fund-raising, imagination, dedication, our connection to the longstanding and distinguished UNM programs in Western and Borderlands history, and professional connections with better funded institutions at top ranked universities, what we lack in financial resources.

Dissertation Workshop:

In partnership with the Autry Institute, the Bill Lane Center, the Lamar Center, and the Huntington-USC Center, the CSW co-sponsored a dissertation workshop for Western historians at the University of California-Davis, in June of 2010. Six doctoral candidates, selected from a pool of twenty-five applicants, presented chapters of their dissertations to a group of distinguished Western historians who offered critiques and suggestions for revision.

2009-2010 C. Ruth and Calvin P. Horn Lecture:

This lecture is funded in part by the C. Ruth and Calvin P. Horn Endowment. Dr. Stephen Aron, professor of history at UCLA and executive director of the Institute for the Study of the American West at the Autry National Center, presented "Can We All Just Get Along: In Search of an Alternative History of the American West," on Thursday, April 22nd, at 5:30 p.m. in Lobo Rooms A&B of the UNM Student Union Building. A standing-room-only crowd of 175 community members, faculty, and students attended. Professor Aron participated in a spirited question and answer session after the lecture.

2009-2010 Richard W. Etulain Lecture:

This lecture is funded in part by the C. Ruth and Calvin P. Horn Endowment. Dr. Jesse Alemán, Associate Professor of English, gave a lecture entitled "From Union Officers to Cuban Rebels: The Story of the Brothers Cavada and their American Civil Wars," on Thursday, February 18, at 5:30 p.m. in the UNM Student Union Building, Lobo A and B. Between 40-50 people attended this lively event.

UNM Co-sponsorship:

The CSW was a proud co-sponsor of the History Department Colloquium Lecture Series that invited faculty and graduate students of multiple disciplines. These events ranged in attendance between 25-40 people. The papers were given out two weeks ahead of time for an engaging dialogue between speaker and audience.

The Colloquium events included:

February 12- Heidi Tinsman, Department of History, UC-Irvine
February 19- Richard White, Department of History, Stanford University
February 26- Elaine Nelson, Department of History, UNM
March 4- Brian Lucero, Department of History, UNM
March 26 - Mel Yazawa, Department of History, UNM
April 16- Linda Hall, Department of History, UNM
April 23- Kelly O'Neill, Department of History, Harvard University
April 30- Maria Lane, Department of Geography, UNM

Teaching American History Grants:

The CSW has also played an ongoing role as cosponsor and Department of History liaison for each of two one-million-dollar Teaching American History grants, funded by the U.S. Department of Education, in partnership with Albuquerque area public schools. We have just learned that a third such grant has been funded, in cooperation with the Rio

Rancho school district. We continue to work to create more opportunities for advanced study in history here at UNM for public school teachers.

PUBLICATIONS:

Virginia Scharff and Carolyn Brucken, *Home Lands: How Women Made the West.* University of California Press, 2010.

Virginia Scharff, "Where the Sea Used to Be," *Environmental History*, Spring 2010.

"The House of the Three Wise Women: A Family Legacy in the Southwest," coauthored with Carolyn Brucken, *California History/Convergence*, 16:4, Fall 2009, pp. 44-59.

WEBSITE:

During the 2009-2010 academic year, the CSW completely revamped its website, adding substantial new content and undertaking a full redesign. Please visit our new site at http://centerforthesouthwest.unm.edu/

PROFESSIONAL ACTIVITIES:

Virginia Scharff served as co-curator for "Home Lands: How Women Made the West," a major museum exhibition that opened at the Autry National Center of the American West in April, 2010, and travels to the Missouri History Museum in St. Louis, the Gilcrease Museum in Tulsa, and the New Mexico Museum of History in Santa Fe.

Scharff also delivered two keynote addresses, the first to an international conference on "Cultural Histories of Sociability, Spaces and Mobility," cosponsored by the University of York and the National Railway Museum, York, England, July 2009, and the second, to the Women Writing the West Conference in Los Angeles, California (September 2009).

PERSONNEL:

The CSW is staffed by the Director (who receives a one-course teaching reduction each semester) and a half-time graduate assistant, who schedules and coordinates all events, carries out all clerical responsibilities, and keeps the website current. During the 2009-2010, Rebecca Vanucci served as graduate assistant in the CSW. For the 2010-2011 academic year, Rebecca Ellis will serve as graduate assistant.

FUNDRAISING:

Five years ago, the CSW took over administration of the Calvin Horn Lecture and endowment from the University of New Mexico Press. At that time, attendance at the

lectures had dwindled to approximately thirty people per lecture, and the endowment for the lecture had, somehow, been nearly spent dry.

Working with the Development Officer from the College of Arts and Sciences, we sought to revitalize the contact with Calvin Horn's widow, C. Ruth Horn. Through careful cultivation and a series of successful events, we convinced Mrs. Horn to contribute anew to what is now the C. Ruth and Calvin P. Horn Endowment. Mrs. Horn has attended all the lectures, along with members of her family, and they have all expressed enthusiasm at the work we are doing.

The Horn Endowment now stands at $48,537.48, generating a spending allocation of $2,682.57 this year. This is enough to fund an honorarium and travel for the speaker, and some of the publicity for the Horn lecture, though not enough to support both the Horn and Etulain Lectures. We continue to work with A & S Development Officer Jeffrey MacNutt to further cultivation efforts with the Horn family, in hopes of securing a major gift.

HONORS AND AWARDS:

During the 2009-2010 academic year, Virginia Scharff received two departmental honors, the Marjorie Bell Chambers Award, which recognizes excellence in faculty research and teaching, and the Shoemaker Award, a competitive grant for a research or public project. The latter will provide supplementary funding for the "Legacy and Future" symposium in the spring of 2011.

FUTURE EVENTS:

The CSW continues to pursue partnerships with other programs within the University of New Mexico, as well as to seek collaborations with other research centers and cultural institutions. Director Scharff is a participant in the National Science Foundation Grant on "Women, Work, and Water," a project exploring the application of infomatics to women's studies teaching and research, funded through the UNM Libraries and Office of the Vice President for Research. Scharff is also a member of the team that has applied for a million-dollar challenge grant to fund a Humanities Research Institute.

Plans for the 2010-2011 academic year include: the C. Ruth and Calvin P. Horn Lecture, to be held Thursday Marcy 24, 2011, and delivered by Andrew Kirk, Professor of History and Public History Program Director at the University of Nevada, Las Vegas. In conjunction with the C. Ruth and Calvin P. Horn Lecture, the CSW will be hosting a one day symposium entitled "The Legacy and Future of Western and Borderlands History at the University of New Mexico." The morning sessions of the symposium will include a look back at the achievements of our program (presented by Richard W. Etulain, emeritus, UNM) and a session featuring UNM alumni who have made significant contributions to the fields of Western and Borderlands history. The afternoon session will feature UNM alumni who have had distinguished careers as public historians, working in museums, government agencies, historical archives, and historic preservation.

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We intend the symposium as a celebration of, and reflection on, UNM's contribution to research in these fields, and also as an opportunity to engage alumni and emeriti in a fundraising effort to support graduate research fellowships in Western and Borderlands history.

The CSW continues to cosponsor the History Department Colloquium for 2010-2011.

In November, 2010, the CSW will cosponsor, with the English Department, a lecture by Dr. Krista Comer, Professor of English at Rice University.

In April, 2011, the CSW will also cosponsor a panel discussion on "New Landscapes and New Mexico," featuring humanities scholars Chris Wilson, Miguel Gandert, and Lucy R. Lippard, in connection with an exhibit on the work of mid-twentieth-century painter Cady Wells at the UNM Art Museum.

New Mexico Historical Review in 2010

The *New Mexico Historical Review*, a nonprofit, scholarly quarterly published at the University of New Mexico since 1929, has just issued number 4 of volume 85 and thus completed its 2010 publication year. Published at the University of New Mexico since 1929, the *Review* remains a fixture in the cultural life of New Mexico and the Greater Southwest and in the production of knowledge by scholars working at UNM and in New Mexico, the United States, and overseas. Through its employment of graduate students, the *Review* continues to participate directly in the education of UNM students, to broaden their professional horizons, and enhancing their value in the professional marketplace after graduation.

In the year 2010, the list of historians published by the *Review* represent diverse geographic locations, work in a variety of professional fields, and research on wide-ranging topics. Focusing on the history of the Greater Southwest, the *Review* published 16 research monographs ranging from the illegal Gaspar Castaño de Sosa *entrada* to the upper Rio Grande in 1590, to Confederate atrocities in Civil War New Mexico, to Pancho Villa's relationship with Mormon colonists in northern Mexico, to Albuquerque's Bosque Farms during the New Deal, to comic creator Fred Harman of Albuquerque, the creator of western hero Red Ryder. Seven authors, including the late Regents' Professor Ferenc Szasz and Dr. David Kammer, are residents of New Mexico. Nine other authors are from out of state. They include retired Professor Thomas Bowen of Wyoming and Professor James Bartek of Kentucky. Among the list of authors in 2010 are two Finnish historians, Professors Janne Lahti and Morton Lotveit, who research respectively on the Southwest

and on northern Mexico. These authors are also employed in diverse professions or fields—university teaching, independent contract history, documentary film making, ethno-historical archaeology, acoustical physics, and oil and gas exploration. The diversity of scholars represented in volume 85 suggests that the *Review* reaches and appeals to a broad cohort of scholars researching and writing on the history of the Greater Southwest.

The *Review* is one of the few state-history journals that still publishes an extensive list of book reviews in each issue. During 2010, the *Review* edited and ran 65 reviews of books published by university and commercial presses. This service is critical to the public announcement and scholarly assessment of the large number of titles on the Greater Southwest issued each year. In addition to informing readers about contents, book reviews become valuable items in the promotion files of scholars employed by universities, museums, state and national parks, and professional units. With journals, newspapers, and magazines steadily shrinking their review space, book publishers are grateful for the *Review*'s robust book-review section. Publishers represented in the 2010 *Review* include Penguin Press, Duke University Press, Sunstone Press, Harvard University Press, Vintage Books, Edmonton University Press, the University of New Mexico Press, among many others.

In 2010 The *Review* has continued its commitment to graduate education at the University of New Mexico by employing graduate students and training them in profession scholarly editing. As these young men and women pursue their course of study to earn graduate degrees, they work twenty hours per week in the *Review* office. Under the direction of the editor and managing editor, they copyedit manuscripts, compile maps,

tables, and illustrations, consult with authors, proofread manuscripts, page proofs, and blue lines, and perform other tasks associated with the production of scholarly monographs published by the *Review*. In the process, they learn valuable skills that they can incorporate into their own research and scholarship or that boost their professional value in the highly competitive marketplace after graduation. During 2010, the *Review* has employed seven graduate assistants. The History Department funds two graduate assistants, while the Center for Regional Studies supports five others. This educational process demonstrates the integral role of the *Review* in the professional education and ongoing employment of graduate students in the History Department and at the University of New Mexico.

Durwood Ball

Associate Professor and Editor

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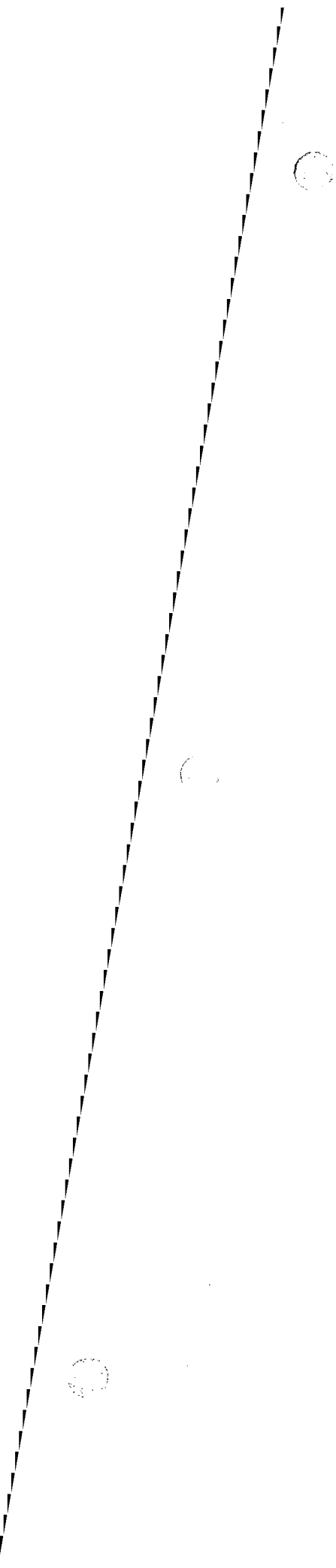
ANNUAL REPORT

International Studies Institute
University of New Mexico

July 1, 2009 – June 30, 2010

Christine Sauer
Director



ANNUAL REPORT
INTERNATIONAL STUDIES INSTITUTE
July 1, 2009 – June 30, 2010

Christine Sauer, ISI Director

1. Significant Developments During the 2009-2010 Academic Year

The International Studies Institute was extremely pleased that its new interdisciplinary BA program in International Studies (INTS) was formally approved by the Board of Regents at the May 12, 2009 meeting. While the approval came too late for the new major/minor to be listed in the 2009-2010 catalog, the ISI actively promoted the new degree program at campus-wide information events for current and prospective UNM students and shared handouts with academic advisors in the University Advisement Center and the A&S Advisement Center. The ISI Director worked with the Registrar's Office to finalize the 2010-2011 catalog entry for the INTS major/minor. Students started signing up for the new major in Spring 2010. According to the latest report (Fall 2010), there are now 38 declared majors in International Studies.

In November 2009, the ISI held its 7th Fall Lecture Series on "Revolutions of 1989: From Tiananmen Square to the Berlin Wall." The week-long program consisted of 7 lectures delivered by distinguished speakers from UNM and other universities who examined the causes and consequences of the 1989 revolutions and discussed how these unparalleled events unfolded and shaped the cultural, political, and socio-economic landscapes of China and several Eastern European countries. All lectures were free and open to the public and included a Q&A session with the audience. Total attendance during the week-long program was about 455, ranging from 25 attendees on a Friday afternoon to 130 at the closing lecture. Over 50% of the audience members were UNM students.

In Spring 2010, the ISI awarded a total of 12 summer scholarships for language training, research projects, and study abroad and also named the recipient of the 2010-2011 William J. Cunningham International Public Service Scholarship. Scholarship recipients are listed in Section 6 below.

Following a competitive RFP and selection process, the 3rd UNM Summer School at Schloss Dyck took place in June/July 2010. Organized and coordinated by the ISI Director, the program "The Ministry of Illusion: From Weimar to Nuremburg" (co-taught by Professors Jason Wilby, FLL, and Antoinette Lopez, Law School) attracted a total of 14 student (6 undergraduates, 1 non-degree graduate students, 7 law students).

Other Activities/Events Organized and/or Co-Sponsored by the ISI:

- "Japanese Rakugo," performance by Kaishi Katsura at Rodey Theater (September 2009)
- "The Obama Administration's View of Counterterrorism," lecture by Shari Villarosa, Department of State (September 2009)

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- "Growing up in Turbulent Times – Russia from the 1980s to the Present," lecture by Vladimir Ivantsov, St. Petersburg University (September 2009)
- Information session with Dieter Patt, Governor of Rhein-Kreis Neuss (October 2009)
- "Observation in the Flesh, Observation in the Spirit: The Duplex Sentence of Medieval Characterization," lecture by Chauncey Wood, McMaster University (February 2010)
- Black History Month (February 2010)
- UNM World Affairs Delegation, participation in World Model United Nations Conference in Taipei, Taiwan (March 2010)
- French Film Festival (March-April 2010)
- Lecture Series "Love in the Middle Ages," Institute for Medieval Studies (April 2010)
- "Ancient Poems and Universalist Poetics," lecture by Geoffrey Russom, Brown University (May 2010)

In 2009-2010, the following colleagues served as Program Directors for the three area studies programs:

- Asian Studies: Lorie Brau (Fall 2009), Jonathan Porter (Spring 2010)
- European Studies: Stephen Bishop
- Russian Studies: Natasha Kolchevska

2. Significant Plans and Recommendations for the Near Future

The ISI is planning its 2010 Fall Lecture Series on the topic of "Global Threats." We will collaborate with several affiliated departments/programs, especially the Center for Science, Technology and Policy and the National Security Studies Program, to identify and invite outside speakers from a wide range of disciplinary and institutional backgrounds.

The ISI will co-sponsor a course buyout for Professor Eleni Bastea (School of Architecture and Planning) that allows her to offer a new course "Greece and Turkey, 1922-Present: From Conflict to Rapprochement." This course has been designated as a European Studies Seminar for Fall 2010.

The ISI will absorb the required initial 3.2% budget cut out of its operating funds. Since the ISI has no faculty or staff lines of its own, future cuts will also have to come out of operating funds. This may affect some of our programming just as the number of students in the new International Studies major is increasing rapidly.

Tracy Wenzl, whose duties included helping the ISI with financial and other Banner transactions, left the College in April 2010 and has not yet been replaced. As a stop-gap measure, the ISI Director has made arrangements to secure the help of the Unit Administrator in the Economics Department, in return for covering some of the department's work study expenses. However, this arrangement is not sustainable in the long run given the expected staffing situation in the Economics Department. We strongly recommend that the College provide the needed assistance through a service center.

Two years after losing its office space in the History Department (Mesa Vista Hall), the ISI continues to operate out of a storage closet and the ISI Director's faculty office in the Economics

Department. We would welcome any space that can be allocated to us after the Math and Statistics Department has moved into its new building.

3. Publications

(Presented in the Annual Reports of the home departments of ISI-affiliated faculty.)

4. Outside Professional Activities

(Presented in the Annual Reports of the home departments of ISI-affiliated faculty.)

5. Research Grants and Contracts Funded

Schloss Dyck:

The ISI Director was successful in obtaining financial support from the Provost's Office and the A&S Special Summer Projects Fund for the 2010 UNM Summer School at Schloss Dyck. Another grant application to the Max Kade Foundation was not funded.

ISI Support for other UNM Grant Applications:

- The ISI Director provided a letter of support for the successful UNM application to bring a Fulbright Scholar in Residence (Kebir Ammi) to UNM in 2010-2011.
- The ISI Director contributed to the group effort to develop the (pending) NEH Challenge Grant proposal to create a Humanities Institute for Research and Teaching at UNM.

6. Student Information

Bachelor of Arts Degrees Conferred in 2009-2010

Asian Studies: 2
European Studies: 5
Russian Studies: none
International Studies: not applicable (new degree)

William J. Cunningham International Public Service Scholarship

Anastasiya Zaytseva (2009-2010 award announced in March 2009)
Emily M. Gonzales (2010-2011 award announced in March 2010)

2010 ISI Summer Scholarships

BriAnna Amador
Erin Cimino
Amy Foust
Bennie Francisco Jr.
Junfu Han
Nicholas G. Ienni
Madeleine A. Ingram
Rebecca Knack
Alyssa Maunders
Hannah Peceny
Rachel Trapp
Stephanie Wimmer

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Number of Interdisciplinary Majors
(including 2nd majors)

Program	Fall 2009	Spring 2010	Fall 2010
Asian Studies	30	33	28
European Studies	18	17	15
Russian Studies	6	5	4
International Studies	N/A	9	38

Credit Hours by Course Level

All regular courses in the area studies programs (Asian/European/Russian Studies) are offered by the affiliated departments, none of which keep track of their student credit hours generated by declared (or undeclared) major. The new major/minor in International Studies did not offer any of its capstone courses (INTS 400/401/402) during the 2009-2010 academic year.

The following table lists credit hours generated by Asian Studies, where students are required to complete a senior thesis while taking Comp/Hist/Phil/Pols/Relg 453.

	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010
Comp 453	0	0	3	0	6
Hist 453	6	0	9	9	3
Phil 453	0	0	0	0	0
Pols 453	0	3	0	0	0
Relg 453	0	3	0	0	0
Total	**6**	**6**	**12**	**9**	**9**

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Annual Report from Latin American Studies (LAS)
July 1, 2009-June 30, 2010
Kathryn McKnight, Associate Director for Academic Programs, LAII

Significant Developments of the Program

- The Interdisciplinary Committee on Latin American Studies (ICLAS) approved a new dual MA degree in Latin American Studies and Public Health (MALAS/MPH), which is in the curriculum review process, with an anticipated start date of F11.
- ICLAS also approved a new MALAS concentration in Communication, which is in effect as of F10.
- ICLAS placed a moratorium on the concentration in Human Rights for incoming students, beginning with S10, after departures of several key faculty members.
- ICLAS approved a change to the comprehensive exam policy, returning to a sit-down closed-book format, after a take-home format over the past several years resulted in lower quality exams.
- ICLAS approved a three-year student learning outcomes assessment plan, including an assessment rubric for the MA comprehensive exam and one for the research papers used to assess the BA program.
- Academic Program Review: Response to the external review and Action Plan were submitted in April, 2010.
- 16 applicants were admitted to the MA program, from a completed application pool of 47. 11 entered the singular MA program and 5 the dual degree programs.
- 6 of the admitted students received GAships through LAS.
- 14 students were awarded degrees in Latin American Studies: 5 BA majors, 6 MA/LAS, 2 MALAS/JD, and 1 PhD.

Significant plans and recommendations for the future

FY11 Developments and Plans

- R10: The Latin American & Iberian Institute secured $136,278 in Title VI-NRC funding for a Portuguese hire, as a cornerstone of the Title VI-NRC grant, and of the Brazilian Studies concentration (see below). The F10 Portuguese search is being carried out in collaboration with the Department of Spanish and Portuguese. The search is chaired by the Associate Director of the LAII, and includes an LAS faculty member from Anthropology in addition to three members of the Department of Spanish and Portuguese.
- F10: Completed first cycle of assessment of the BA/MA programs
- F10: Completed the APR process, with the Action Plan meeting with the Provost's Office
- F10: The Action Plan, LAS budgeting, and the retention of a key faculty member enable LAS to guarantee regular offering of an advanced undergraduate multidisciplinary

course, with one version each in the Humanities and Social Sciences. ICLAS has voted to require students to take one of these two courses for the major and minor.
- S11: ICLAS will make a decision on whether to reopen admissions to the PhD program in LAS for F12.
- S11: The Associate Director will develop career education events and materials for BA and MA/LAS students.
- F11: LAS faculty will offer for the first time an interdisciplinary gateway course for the MA program, to build a sense of cohort, provide students with a history of the field, as well as train students in interdisciplinary methods.

Long-term plans

- Develop Brazilian Studies concentration, building on strengths in the Departments of Spanish and Portuguese, Anthropology, Economics, History, and Geography. A third faculty member in the Portuguese section of the Department of Spanish and Portuguese is critical to the success of this plan.
- Develop 200-level introductory LAS feeder course for the major
- Increase number of graduate assistantships granted by the LAII from 13 to 17
- Continue to work with the College of Arts and Sciences on replacing LAS faculty lost over past three years in Anthropology, Art History, Political Science, Sociology, and Spanish and Portuguese, but especially in Political Science, which has 2.5 FTE LAS faculty members and Sociology, whose situation is now critical, with.75 FTE LAS faculty (Tiano and Schrank), and may not be able to sustain an LAS concentration for the MA program.

Appointments to faculty/staff

- None

Separations of faculty/staff

- None

Publications of the division; publications of individual faculty/staff

Publications of the faculty, including the Associate Director, are reported by individual academic departments to which they belong.

Outside professional activities of staff members

The outside professional activities of the Associate Director relate directly to her faculty position in the Department of Spanish and Portuguese, and thus are reported in that department's annual report, leaving only the activities of the Academic Program Manager, Amanda Wolfe, to report here.

Amanda Wolfe, Associate Director for Program Development:

Continued her responsibilities as Vice-President/President-Elect of the Consortium of Latin American Studies Programs (CLASP), a national organization comprised of more than 50 centers/institutes for Latin American Studies. In that capacity, she secured funding for the Américas Book Award, a collaboration with the US Library of Congress that recognizes U.S. books (for children and young adults) published in the previous year in English or Spanish that authentically and engagingly portray Latin America, the Caribbean, or Latinos in the United States. Wolfe also chaired a panel, "Indocumentales/Undocumentaries: The US/Mexico Interdependent Film Series," in May 2010 at Tulane University's Latin America & Outreach Meeting. Following the meeting, she wrote an overview of the session which has been circulated among meeting attendees and CLASP member institutions.

Outside sponsored research

- None

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Annual Report
Department of Linguistics
AY 2009-2010
Prepared by Caroline L. Smith, Associate Professor and Chair

1. Significant developments during Academic Year 2009-2010

The Legislative Priority funding of the Navajo Language Program was converted to regular funding. This helps to support the continued development of this program, which has seen significant increases in enrollment.

2. Significant plans and recommendations for the near future

The Department has been authorized to conduct a faculty search for an Assistant Professor in the area of Sociolinguistics and Phonology, with a start date of August 2011.

3. Appointments to faculty and staff

Lorraine Begay Manavi (Lecturer II, Navajo) was appointed effective August 17, 2009. She later took a Leave Without Pay effective May 20, 2010 to August 1, 2011.

Dawn Myers (Lecturer II, Signed Language Interpreting) was appointed effective August 17, 2009.

Holly Jacobson (Associate Professor, Linguistics) was appointed effective January 1, 2010. She is on Leave Without Pay at the National Institutes of Health.

4. Separations of faculty and staff

Josephine Santiago (Lecturer II, Signed Language Interpreting) retired effective June 30, 2010.

5. Publications of faculty in Linguistics

Axelrod, Melissa

Sociopragmatic influences on the development and use of the discourse marker *Vet* in Ixil Maya In Andrea L. Berez, Daisy Rosenblum & Jean Mulder (eds.). *Fieldwork and linguistic analysis in Indigenous languages of the Americas. Language Documentation & Conservation* Special Publication No. 2. 2010. (with Julie Gómez de García and Jordan Lachler)

English is the Dead Language: Native perspectives on bilingualism. In Margaret Field and Paul Kroskrity (Eds.), *Native American Language Ideologies: Language Beliefs, Practices, and Struggles in Indian Country.* University of Arizona Press. 2009. Pp. 99-122. (with Julie Gómez de García and Jordan Lachler)

Bybee, Joan (emerita)

Language is a complex adaptive system. *Language Learning* 59 Supplement: 1-26. 2009. (with Clay Beckner (doctoral candidate in Linguistics), Richard Blythe, Morten Christiansen, William Croft, Nick Ellis, John Holland, Jinyun Ke, Diane Larsen-Freeman, and Tom Schoenemann)

A usage-based account of constituency and reanalysis. *Language Learning* 59: 27-46. 2009. (with Clay Beckner, doctoral candidate in Linguistics)

Language Universals and Usage-Based Theory. In M.H. Christiansen and C. Collins and S. Edelman (eds.), *Language Universals*, pages 17-40. Oxford: Oxford University Press. 2009.

Grammaticization: Implications for a theory of language. In J. Guo, E. Lieven, S. Ervin-Tripp, N. Budwig, S. Özçalişkan, and K. Nakamura (eds.), *Crosslinguistic Approaches to the Psychology of Language: Research in the Tradition of Dan Isaac Slobin.* New York: Taylor & Francis Group, LLC. 2009.

The role of prefabs in grammaticization: How the particular and the general interact in language change. In Roberta L. Corrigan, Edith A. Moravcsik, Hamid Ouali, and Kathleen Wheatley (eds.), *Formulaic language: Volume 1. Distribution and historical change*, 187-217. Amsterdam: John Benjamins. 2009. (with Rena Torres Cacoullos)

Language, Usage and Cognition. Cambridge, New York: Cambridge University Press. 2010.

Usage-based Theory. In Bernd Heine and Heiko Narrog (eds), *The Oxford Handbook of Linguistic Analysis*, 827-856. Oxford: Oxford University Press. 2010. (with Clay Beckner, doctoral candidate in Linguistics)

Croft, William

Connecting frames and constructions: a case study of 'eat' and 'feed'. *Constructions and Frames* 1.7-28. 2009.

Toward a social cognitive linguistics. *New directions in cognitive linguistics*, ed. Vyvyan Evans and Stéphanie Pourcel, 395-420. Amsterdam: John Benjamins. 2009.

Modeling language change: an evaluation of Trudgill's theory of the emergence of New Zealand English. *Language Variation and Change* 21.157-96; "Mathematical Appendix" available online. 2009. (with Gareth J. Baxter, Richard A. Blythe, and Alan J. McKane)

Building social cognitive models of language change. *Trends in Cognitive Science* 13.464-69. 2009. (with Daniel J. Hruschka, Morten H. Christiansen, Richard A. Blythe, Paul Heggarty, Salikoko S. Mufwene, Janet B. Pierrehumbert and Shana Poplack)

Syntax is more diverse, and evolutionary linguistics is already here [commentary on Evans and Levinson, "The myth of language universals: language diversity and its importance for cognitive science"]. *Behavioral and Brain Sciences* 32.453-54. 2009.

Language is a complex adaptive system. *Language Learning* 59:Supplement 1.1-26. 2009. (with Clay Beckner, Richard A. Blythe, Joan L. Bybee, Morten H. Christiansen, Nick C. Ellis, John Holland, Jinyun Ke, Diane Larsen-Freeman, and Tom Schoenemann)

The speech community in evolutionary language dynamics. *Language Learning* 59:Supplement 1.47-63. 2009. (with Richard A. Blythe)

Joseph H. Greenberg. *Lexicon Grammaticorum: a bio-bibliographical companion to the history of linguistics, 2nd edition, Vol I,* ed. Harro Stammerjohann, 567-69. Tübingen: Niemeyer. 2009.

Joseph Harold Greenberg. *Biographical Memoirs, National Academy of Sciences*, vol. 90, 152-81. Washington, D. C.: National Academies Press. Also available online at http://books.nap.edu/html/biomems/jgreenberg.pdf. 2009.

The origins of grammaticalization in the verbalization of experience. *Linguistics* 48.1-48. 2010.

Ten unwarranted assumptions in syntactic argumentation. *Language usage and language structure,* ed. Kasper Bøye and Elisabeth Engberg-Pedersen, 313-50. Berlin: Mouton de Gruyter. 2010.

Can a science-humanities collaboration be successful? *Adaptive Behavior* 18.12-20. 2010. (with Richard A. Blythe)

Relativity, linguistic variation and language universals. *CogniTextes* 4.303 [http://cognitextes.revues.org/303/] 2010.

Maddieson, Ian (adjunct faculty)

Correlating syllable complexity with other measures of phonological complexity. In *Phonological Studies 13*, ed. Phonological Society of Japan: 105-116. Kaitakusha, Tokyo. 2010.

Variation in co-variation: The search for explanatory principles. In *Laboratory Phonology 10*, ed C. Fougeron, B. Kühnert, M. D'Imperio, N. Vallée: 133-150. De Gruyter Mouton, Berlin. DOI: 10.1515/9783110224917.2.133. 2010.

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Alliteration: Discrete segments not gradient similarity. *Actes des 6èmes Journées d'Études Linguistiques*. Université de Nantes, Nantes: 75-80. 2009. (with Caroline Smith)

Morford, Jill P.

The role of word order in the interpretation of canonical and non-canonical graphic symbol utterances: A developmental study. *Augmentative and Alternative Communication, 26* (2), 1–14, 2010. (with N. Trudeau and A. Sutton)

Young children have difficulty constructing and interpreting simple utterances composed of graphic symbols. *Journal of Child Language, 37*, 1-26, 2010. (with Sutton, A., Trudeau, N., Rios, M. & Poirier, M.-A.)

The Educational Linguistics of Bilingual Deaf Education. In F. M. Hult (Ed.), *Directions and Prospects for Educational Linguistics*. Dordrecht: Springer Verlag. DOI 10.1007/978-90-481-9136-9_7. 2010. (with Carlson, M., Shaffer, B. & Wilcox, P. P.)

Shaffer, Barbara

The Educational Linguistics of Bilingual Deaf Education. In F. M. Hult (Ed.), *Directions and Prospects for Educational Linguistics*. Dordrecht: Springer Verlag. DOI 10.1007/978-90-481-9136-9_7. 2010. (with Carlson, M., Morford, J. & Wilcox, P. P.)

A review of: Bert Cornillie. 2007. Evidentiality and Epistemic Modality in Spanish (Semi-) Auxiliaries: A Cognitive-Functional Approach. *Review of Cognitive Linguistics* 8:1 (2010), 228–232. Amsterdam: John Benjamins. 2010.

Smith, Caroline

Prominence and phrasing: Naive listeners' perceptions in French. *Actes des 6èmes Journées d'Études Linguistiques*, Université de Nantes, France, pages 59-64. 2009.

Alliteration: Discrete segments not gradient similarity. *Actes des 6èmes Journées d'Études Linguistiques*. Université de Nantes, Nantes, pages 75-80. 2009. (with Ian Maddieson)

Travis, Catherine

Introducción a la lingüística hispánica (2nd ed.). Cambridge: Cambridge University Press. (with José Ignacio Hualde, Antxon Olarrea, and Anna María Escobar).

The Role of Frequency in First-Person Plural Variation in Brazilian Portuguese: *Nós* vs. *a gente*. *Studies in Hispanic and Lusophone Linguistics*. 2(2): 347-376. (with Agripino S. Silveira, doctoral candidate in Linguistics)

Variable *yo* expression in New Mexico: English influence? In Susana Rivera-Mills and Daniel J. Villa (eds), *Spanish of the U.S. southwest: A language in transition*, 185-204. Madrid: Iberoamericana. (with Rena Torres-Cacoullos).

Wilcox, Phyllis

The Educational Linguistics of Bilingual Deaf Education. In F. M. Hult (Ed.), *Directions and Prospects for Educational Linguistics.* Dordrecht: Springer Verlag. DOI 10.1007/978-90-481-9136-9_7. 2010. (with Carlson, M., Morford, J. & Shaffer, B.)

The Analysis of Signed Languages. In B. Heine & H. Narrog (Eds.), *Oxford Handbook of Linguistic Analysis*. Oxford University Press. 2010. (with S. Wilcox)

Wilcox, Sherman

Grammaticalization in sign languages. In D. Brentari (Ed.), *Sign languages: A Cambridge language survey*. Cambridge: Cambridge University Press. 2010. (with Paolo Rossini and Elena Pizzuto Antinori).

The Analysis of Signed Languages. In B. Heine & H. Narrog (Eds.), *Oxford Handbook of Linguistic Analysis*. Oxford University Press. 2010. (with P. Wilcox)

Symbol and Symptom: Routes from Gesture to Language. *Annual Review of Cognitive Linguistics 7*, 89-110. 2009.

6. Outside professional activities of staff members

Axelrod, Melissa

Dr. Axelrod has ongoing work on language revitalization with Nanbé Pueblo. She also consulted with Pojoaque Pueblo on the submission of a grant proposal to the Documenting Endangered Languages program at the National Science Foundation.

Dr. Axelrod presented an invited colloquium on "Literacy and language revitalization" at the University of Oregon in January 2010.

Dr. Axelrod and Dr. Jordan Lachler presented a workshop on "Lexicography: How do I make a dictionary" at the Infield meeting at the University of Oregon in June 2010.

She also presented papers at the following conferences: the Panel on Metaphor and Public Discourse at the Pacific and Ancient Modern Language Association (November 2009), Southwest Texas Popular Culture and American Culture Association 31st Annual Conference (February 2010), Stabilizing Indigenous Languages Symposium (June 2010).

Croft, William

Dr. Croft was the instructor for the course "Construction grammar and typology" at the Linguistic Society of America Summer Institute, at the University of California, Berkeley, during July 2009.

He was also an instructor at the Complex Systems Summer School at the Santa Fe Institute, Santa Fe, NM.

Dr. Croft was on sabbatical during the 2009-2010 academic year. During this time, he was a Visiting Researcher at the Research Centre for Linguistic Typology, Melbourne, Australia, for May 2010.

Dr. Croft was an invited speaker at the following meetings:

- at the 33rd Child Language Research Forum, Berkeley, CA, he spoke on "Language as a process" (2009);
- at the Workshop on Noun Phrase Structure, University of Vigo, Vigo, Spain, he spoke on "A typological asymmetry in noun phrase structure" (2009);
- at the Conference on 150 Years after Darwin: From Molecular Evolution to Language, Institute for Complex Systems (IFISC), Palma de Mallorca, Spain, he spoke on "Mechanisms of variation and selection in language" (2009);
- at the 17th Annual University of Texas at Arlington Student Conference in Linguistics and TESOL, Arlington, Texas, he spoke on "Language universals without universal categories" (February 2010);
- at the Third Biennial Conference of the UK Cognitive Linguistics Association, University of Hertfordshire, Hatfield, UK, he spoke on "Grammar and verbalization: exemplar semantics" (June 2010);
- at the Workshop on Language as an Evolutionary System: An Interdisciplinary Approach, Edinburgh, UK, he spoke on "An evolutionary model—NOT an analogy!—for language change" (June 2010).

He also gave invited presentations at the Katholieke Universitet Leuven, Leuven, Belgium (2009), and the Research Center for Linguistic Typology, LaTrobe University, Melbourne, Australia (2010).

Dr. Croft presented a paper at the 8th Meeting of the Association for Linguistic Typology, Berkeley, California, co-authored with Clayton Beckner (doctoral candidate in Linguistics) , Logan Sutton (doctoral candidate in Linguistics), Jon Wilkins, Tanmoy Bhattacharya and Daniel Hruschka.

Morford, Jill

Dr. Morford was a Visiting Scholar at Research Centre 538: Multilingualism at the University of Hamburg (summer 2010). During her visit she gave an invited presentation entitled "Deaf readers are bilingual readers."

The National Science Foundation recently funded a PIRE Center at Penn State University to support international training in bilingualism research across three domestic and seven international sites. One of PIRE's domestic partners is the Center for Visual Language and Learning, and Dr. Morford is the primary contact person to involve deaf students from international locations to come to the US, or from the US to go to the international partner institutions for training.

Dr. Morford presented papers at the Seventh International Symposium on Bilingualism, Utrecht, Holland (July 2009), the 23rd Annual CUNY Conference on Human Sentence Processing, New York (March 2010), and the Conference on Community and School Awareness (CASA), Santa Fe (April 2010).

Shaffer, Barbara

Dr. Shaffer was appointed to the Editorial Board for the *Journal of Interpretation.*

She also serves on the Community Outreach Program for the Deaf Interpreter Advisory Board, Administrative Office of the Courts Legal Interpreting Task Force, ASL Academy Hiring Committee, and the New Mexico Mentoring Program Board.

She presented papers at the Registry of Interpreters for the Deaf Conference, Philadelphia, PA, (August 2009) and the conference on Gesture – Evolution, Brain, and Linguistic Structures, Frankfurt an der Oder, Germany (July 2010).

Smith, Caroline

Dr. Smith is a member of the Executive Council of the *Association for Laboratory Phonology.* She was co-chair of the Organizing Committee of the 12th Conference on Laboratory Phonology (held July 2010), with Ian Maddieson, Adjunct Professor.

She presented a paper at the 3rd International Conference on the Discourse-Prosody Interface in Paris, September 2009.

Travis, Catherine

Dr. Catherine Travis was Distinguished Visiting Fellow at the Cairns Institute, James Cook University, Australia from May – August 2010.

Dr. Travis (together with Rena Torres-Cacoullos) was a plenary speaker at the 2nd Graduate Student Colloquium at The University of Texas – Pan-American, Edinburg. Her topic was "Code-switching and grammar: Subject expression in NM Spanish." (November 2009)

Dr. Travis gave an invited talk (co-authored with Agripino Silveira, doctoral candidate in Linguistics) at the Round Table, Language and Culture Research Group, Cairns Institute, James Cook University. Her topic was "The breakdown of person marking in Brazilian Portuguese." (May 2010)

Dr. Travis also presented a paper at the International Pragmatics Association Annual Conference (July 2009), a paper at the Australian Linguistic Society Annual Conference (July 2009), and two papers at the Hispanic Linguistics Symposium (October 2009).

Wilcox, Phyllis

Dr. P. Wilcox served on the Commission on Collegiate Interpreter Education, the national accreditation body for Signed Language Interpreting Programs. She was SSR Team chair for the summer 2010 and Site Visit team rater for applying program, fall 2009.

She also served multi-year terms on the Licensure Board: Signed Language Interpreting Practices Board, for the New Mexico Regulation and Licensing Department, the Post Secondary Education West Advisory Board, National Ethics Committee. Registry of Interpreters for the Deaf, and as Adjudicator on the Professional Standards Committee of the Registry of Interpreters for the Deaf.

Dr. P. Wilcox was an invited speaker at the New Mexico Certified Court Interpreters Conference in October 2009, speaking on "Keeping the Cool: Mediation Resolution and Maintenance of Certifications in the Signed language Interpreting Field." She also spoke at the Certified Deaf Interpreter Summer Institute in Albuquerque in June 2010.

Wilcox, Sherman

Dr. S. Wilcox was an invited speaker at the conference held in Honor of Allen Gardner, Department of Psychology, University of Nevada-Reno, May, 2010. He spoke on "Hands and Faces: What a Signed Language Linguist Can Learn from Non-Human Primate Research."

He also gave a five-day workshop on Signed Language Linguistics at the Prince Salman Center for Disability Research. Riyadh, Saudi Arabia, in June 2010.

7. Outside sponsored research

Axelrod, Melissa

"Grammar of the Nebaj Dialect of the Ixil Maya Language." Documenting Endangered Languages project National Science Foundation (continuing).

Morford, Jill

Sub-contract for the Center for Visual Language and Visual Learning, $184, 823 (FY 2010). National Science Foundation (final year of 5-year grant).

"Investigation of Augmentative & Alternative Communication for young children with severe speech and physical impairments." Collaborator on grant from the Social Sciences and Humanities Research Council of Canada (total $162,150 Canadian). Awarded April 2010 (three year grant).

Smith, Caroline

Dissertation Improvement grant for Ana Medina-Murillo, National Science Foundation, continuing.

"12th Conference on Laboratory Phonology." (Co-P.I. Ian Maddieson, Adjunct Research Professor). National Science Foundation; $19,999. Awarded December 2009 (2-year grant).

Travis, Catherine

"Evaluating convergence via code-switching: Cross-linguistic priming, rates and the structure of subject expression" (Co-PI: Rena Torres Cacoullos). National Science Foundation; $270,000. Awarded May 2010 (3-year grant).

8. Students' professional activities

Fellowships and Awards

The second *Joseph Greenberg Fellowship* was awarded to incoming doctoral student Corrine Occhino-Kehoe.

The *Robert Young Scholarship* was awarded to Sheri Dixon and Miquelina Bradley.

The *Phyllis Perrin Wilcox Endowed Scholarship* was awarded to Bernice McCormack.

The Research and Publication Award for the Signed Language Interpreting Program was awarded to Mollie Navarre.

Motomi Kajitani received a student scholarship from the Association for Linguistic Typology to attend their 8th Biennial Conference at the University of California, Berkeley, in July 2009.

Publications and presentations at professional conferences

Beckner, Clay

Language is a complex adaptive system. *Language Learning* 59 Supplement: 1-26. 2009. (with Richard Blythe, Joan Bybee, Morten Christiansen, William Croft, Nick Ellis, John Holland, Jinyun Ke, Diane Larsen-Freeman, and Tom Schoenemann)

A usage-based account of constituency and reanalysis. *Language Learning* 59: 27-46. 2009. (with Joan Bybee)

Usage-based Theory. In Bernd Heine and Heiko Narrog (eds), *The Oxford Handbook of Linguistic Analysis*, 827-856. Oxford: Oxford University Press. 2010. (with Joan Bybee)

Edmunds, Paul (Ph.D., December 2009)

Developing Listening Skills 3. Seoul: Compass Publishing. 2009.

Developing skills for the TOEFL iBT: Intermediate. 2nd Edition. Seoul: Compass Publishing. 2009. (with N. McKinnon)

Garcia, Hugo

The thetic character of exclamative sentences. Presented at the 17th Annual University of Texas at Arlington Student Conference in Linguistics and TESOL (February 2010)

Kajitani, Motomi

An Exploratory Study of the Noun-Noun-*shi-ta/teiru* Construction in Japanese. Presented at the Workshop on East Asian Languages, University of California, Santa Barbara (February 2010).

Sutton, Logan

Noun class and number in Kiowa-Tanoan: Comparative-historical research and respecting speakers' rights in fieldwork. In Andrea L. Berez, Daisy Rosenblum & Jean Mulder (eds.). *Fieldwork and linguistic analysis in Indigenous languages of the Americas. Language Documentation & Conservation* Special Publication No. 2. 2010.

Kiowa-Tanoan: What's in the Hyphen? Presented at the conference of the Foundation for Endangered Languages, Academy of Sciences of Tajikistan, Khorog, Tajikistan (September 2009).

9. Undergraduate and Graduate study in the Department of Linguistics

Undergraduate Students 2009-2010

111 students were registered as BA Majors in Linguistics in the Fall semester 2009.
62 students were enrolled in the BS degree in Signed Language Interpreting.

Graduate Students 2009-2010

The Department of Linguistics had 12 students in the MA program and 29 students in the PhD program. In addition, we participate in the Educational Linguistics Doctoral Program jointly administered with the College of Education.

Admissions 2009-2010

14 applicants were offered admission to the MA program; 8 enrolled.
Nine applicants were offered admission to the PhD program; all enrolled.

10. Graduates from the Department of Linguistics

Bachelor of Arts in Linguistics: 15 graduates

Bachelor of Science in Signed Language Interpretation: 13 graduates

Doctor of Philosophy in Linguistics: 3 graduates

Paul Edmunds (December 2009), Ph.D. in Linguistics with Concentration in Speech and Hearing Sciences
Dissertation title: "The relationship of lexical stress and the perception of intelligibility and nativeness of Spanish speakers of English as a second language"

Daniel Sanford (May 2010), Ph.D. in Linguistics
Dissertation title: "Figuration and Frequency: A Usage-Based Approach to Metaphor"

Paul De Palma (May 2010), Ph.D. in Linguistics with Concentration in Computational Linguistics
Dissertation title: "Syllables and Concepts in Large Vocabulary Continuous Speech Recognition"

Institute for Medieval Studies
Annual Report
July 1, 2009 to June 30, 2010

Submitted by Timothy C. Graham, Director, Institute for Medieval Studies

Developments in 2009–2010

This was a highly successful year for the Institute. We celebrated the twenty-fifth anniversary of the Spring Lecture Series, which for long has been recognized as one of UNM's major outreach initiatives to the public. The New Mexico Humanities Council awarded the Institute a grant to help fund the lecture series. To mark the anniversary, the Institute joined with University Libraries to host an exhibition that featured an associated speaker series. Our graduate students organized and hosted Vagantes, the prestigious national conference for graduate students in the field of Medieval Studies. The minor in Medieval Studies, revised and brought under the direction of the Institute in 2007, continued its upward trajectory with strong course enrollments. We held three meetings of the Medieval Work in Progress Seminar during the year and sponsored four sessions at the International Congress on Medieval Studies. The Outreach Program to New Mexico Secondary Schools was active especially during the Fall semester and the Institute published volume 19 of the *AVISTA Forum Journal*, an internationally circulating periodical covering the fields of medieval art, science, and technology. Friends of Medieval Studies, an initiative launched in 2007, continued to flourish—there are now more than one hundred individual and family members—and to provide an important source of funding that helps to finance the Institute's public programs.

The theme for the silver anniversary of the Spring Lecture Series was "Love in the Middle Ages." The Institute received a grant of $6,209 from the New Mexico Humanities Council to assist with covering the expenses of the series, for which the total budget was around $13,500. The program included six visiting speakers: Elizabeth Aubrey from the University of Iowa, George Greenia from the College of William and Mary, William Levitan from Grand Valley State University (Michigan), William Paden from Northwestern University, Bonnie Wheeler from Southern Methodist University, and Diane Wolfthal from Rice University. The topics of the individual presentations included the treatment of love in troubadour poetry, the expression of feelings of love in troubadour music, attempts to regulate transgressive love in medieval Spain, the affair between Abelard and Heloise and perceptions of Heloise across the centuries, the concept of love in the Arthurian romances, and the representation of intimacy in late medieval and early modern art. The program also included a concert of music by the UNM Early Music Ensemble (a student group led by Lecturer in Music Colleen Sheinberg). There was general agreement among faculty and students associated with the Institute, as well as among community members of the audience, that the quality of the lectures was extremely high and that as a set they complemented one another superbly—more so than in any other lecture series in recent years. While attendance was not as high as for the 2009 series—which drew the largest audiences for many years—overall attendance at the six lectures and concert totaled around twelve hundred.

Several of the speakers commented in their lectures that they felt it a great privilege to have been invited to participate in this event, which is unique in the United States in terms of its appeal to the public and its ability to attract sizeable audiences. George Greenia, who had also presented in the 2005 lecture series, made the following comments at the beginning of his presentation: "I would like to say seriously and on behalf of all the invited speakers that we are truly thrilled to be here. We travel a lot, and you may not feel it as keenly as we do but the New Mexico Spring Lecture Series is the Olympics of Medievalism. Nowhere else in the country are such large audiences drawn to a week-long academic event of the same power and prestige as Professors Helen Damico and Timothy Graham have built and sustained for this university. You are enjoying a program that requires great effort and has enjoyed enviable success, and there's not a guest speaker in its history who wouldn't love to be in the audience with you year after year." Bonnie Wheeler, a senior medievalist who has taught at Southern Methodist University since the late 1970s and has served on several national academic bodies, commented that she had never experienced better hosting anywhere than she received during this year's series.

To underline that this twenty-fifth anniversary of the series was a landmark, the Institute partnered with University Libraries to mount an exhibition that opened immediately following the lecture series. "Sacred Steps: Pilgrimage on the Camino de Santiago" has been traveling the United States for the last three years, funded by the Xacobeo Foundation of Galicia, Spain. The exhibition features thirty-two works of art—paintings and photographs—by Americans who in recent years have walked the great medieval pilgrim route to Santiago de Compostela in northwestern Spain. The exhibition was punctuated by three presentations. On the opening evening, Tony Cárdenas of UNM's Department of Spanish and Portuguese spoke on "Pearls and Perils of Pilgrimage to Santiago: A Literary Perspective." Two weeks later, Enrique Lamadrid, also of the Department of Spanish and Portuguese, offered a presentation titled "Pescador, Peregrino, Matamoros, Redentor: The Conversions of Santiago." Shortly before the exhibition closed, Santa Fe artist Kate López, whose work was featured in the exhibition and who has walked the pilgrim route nine times, gave a lecture titled "Walking the Camino with a Paintbrush." All three lectures were well attended; for the opening and closing lectures the audiences were so large that some were obliged to stand.

On March 11–13, UNM's graduate students in Medieval Studies hosted Vagantes, the national conference for graduate students who study the Middle Ages. The conference had previously met at Harvard University, the University of Toronto, Cornell University, the University of California at Los Angeles, the University of Notre Dame, Loyola University of Chicago, Ohio State University, and Florida State University. In 2008, members of UNM's Medieval Studies Student Association, led by their President, Marisa Sikes, bid to host the 2010 meeting; they then worked for two years to seek funding for the conference and set all necessary arrangements in place. The program included eight sessions featuring twenty-four papers delivered by graduate students. Three UNM students were among the presenters; five UNM students served as session presiders. At the end of the conference's first full day, the Director of the Institute delivered a keynote address titled "Antiquaries, Anglicans, and Anglo-Saxonists: Redeeming the Middle Ages in Early Modern England"; the conference ended with a second plenary lecture, delivered by Hannah Johnson of the University of Pittsburgh on the theme "Jewish History, Medieval Persecution, and Shifting Ethical Paradigms in Modern Scholarship." Participants came from Catholic University of America, the Catholic University of Louvain (Belgium), the Courtauld

Institute of Art (United Kingdom), Florida State University, Indiana University, Loyola University of Chicago, Ohio State University, Southern Illinois University at Carbondale, the University of California at Irvine, the University of Connecticut, the University of Louisville, the University of Maryland, the University of Minnesota, the University of Notre Dame, the University of Pittsburgh, the University of Texas at Austin, the University of Wisconsin, and Western Michigan University. The conference was a major success and a tribute to the organizational skills and fundraising abilities of MSSA President Marisa Sikes and her fellow graduate students.

In terms of curricular initiatives, the Minor in Medieval Studies, revised and brought under the oversight of the Institute in 2007, continued to flourish. The gateway course for the Minor, "The Medieval World," attracted an enrollment of 87 students, the highest yet. Enrollments in electives—offered largely through the English, History, Art History, Foreign Languages, and Anthropology Departments—were robust in both the Fall and Spring semesters. While it is difficult to track the numbers of Minors within the Banner system, the Director received an increasing number of inquiries from students interested in pursuing the Minor. At the graduate level, in June the Institute once again hosted the Director's intensive four-week summer seminar on "Paleography and Codicology." This was the third occasion on which the summer course has been open to students pursuing their degrees at other universities. On this occasion, the seminar attracted a total of twelve students: six from UNM, three from the University of Missouri, one from the University of Illinois, one from Texas A&M University, and one from Texas Tech. The Medieval Academy of America's Committee on Centers and Regional Associations once again funded two full tuition scholarships for out-of-state participants; these went to Stephanie Chapman, an art historian from the University of Missouri, and Matthew Davis, a student of Middle English language and literature from Texas A&M University. As in 2008, the UNM Provost's office provided $5,000 for course enhancement. These funds made it possible to bring in Karen Gorst, a professional scribe from New York, to deliver two spectacular demonstrations of calligraphy and illumination, and to purchase materials including two complete parchment skins (one produced from calf, the other from goat), an expanse of calf leather of a type suitable for bookbinding, and a facsimile of an illuminated Prayerbook in the Vatican Library. These materials helped to bring to life the Director's descriptions of the process of medieval manuscript production and will also serve for future iterations of the course.

The Institute for Medieval Studies continues to offer its Outreach Program, which provides graduate students with the opportunity to teach medieval modules in the classrooms of local high and middle schools. The Outreach Fellow for the year was Christine Kozikowski, a doctoral student in English who also served during 2008–09; she again received a teaching release from the English Department to enable her to fulfill her responsibilities as Outreach Fellow. She both taught modules herself and arranged for her fellow students to do so. During the Fall semester Ms. Kozikowski spoke on "Medieval Life" to three of Patricia Gardner's World History classes at Albuquerque High School; she examined medieval life from the perspectives of the monk, the noble, and the commoner. She also spoke on "Courtly Love and Chaucer's *Canterbury Tales*" at both Del Norte High and Highland High. She arranged for Douglas VanBenthuysen, another doctoral student in English, to spend a full day at Manzano High offering a module on "*Beowulf* and Old English" to Heather Boni's class; he also delivered the same module over three periods at Del Norte High. Medieval faculty and graduate students again played a full part in

Albuquerque Academy's November Medieval Day, which has established itself as a rite of passage for ninth graders, who have to dress up as a medieval character for the day while attending medieval presentations throughout the day. This year there were presentations by four UNM faculty (the Director, Anita Obermeier, Tony Cárdenas, and Justine Andrews) and four current and former graduate students (Christine Kozikowski, Douglas VanBenthuysen, Abraham Cleaver, and Amelia Ranney).

During the Spring semester Ms. Kozikowski worked with a group of four students from Albuquerque High to assist them to develop a presentation on a medieval topic ("Haloes") for National History Day. She also developed the syllabus for a summer course she then offered at Albuquerque Academy during their three-week summer school in July. She was first invited to teach at the Academy's summer school in 2009; it is a testimony to the success of her pedagogy that she was invited back for 2010.

In the late Fall, the Director met with Kristin Umland, the Dean's Special Assistant on K–12 matters, to discuss whether it might be possible to find funding for the Institute to revive its annual seminars for high and middle school teachers. The last of these seminars was offered in 2005, when the Institute was still receiving significant funding from the Office of the Vice President for Research. The seminars typically attracted between forty and fifty teachers who had the opportunity to hear presentations from two invited senior scholars as well as from a UNM faculty member; the day would end with a roundtable discussion of pedagogical issues raised by the presentations. Dr. Umland informed the Director that funding was now available through the Provost's office for initiatives involving the schools. The Institute may therefore seek to revive its outreach seminar program in future years.

Each semester the Institute holds one or two sessions of its Work in Progress Seminar, a lunchtime event that showcases the current research of faculty, graduate students, or visiting scholars. These meetings were inaugurated in 2007 and have been highly successful, usually attracting capacity or near-capacity audiences made up of a mixture of faculty, students, and members of the local community who are Friends of Medieval Studies. The seminar met once during the Fall, when the Institute Director spoke to an audience of sixty-five about his ongoing study of a manuscript that he has on loan from Japanese scholar-collector Toshiyuki Takamiya; the manuscript records the efforts of the eighteenth-century scholar William Elstob to produce a new edition of the laws of the Anglo-Saxon kings. The title of Dr. Graham's presentation was "Anglo-Saxon Law: A Recently Rediscovered Manuscript." At the first of two meetings held during the Spring semester, Dr. Ian C. Levy of Lexington Theological Seminary, UNM's inaugural Visiting Chair of Catholic Studies, spoke on "The Crisis of Authority in the Medieval University." His talk was attended by an audience of about fifty-five. At the final meeting of the year, held in May, Dr. Geoffrey Russom of Brown University, the 2010 Visiting Scholar in Medieval Scandinavian Studies, described his work in the complex field of comparative poetic meter with a presentation titled "Ancient Poems and Universalist Poetics." The meeting was attended by thirty people.

Since 2003, the Institute for Medieval Studies has been the publisher of the *AVISTA Forum Journal*, which covers the fields of medieval science and technology. The journal is edited by Anne Van Arsdall, Research Associate of the Institute, and enjoys a wide international

circulation. Volume 19 appeared in November and was the first to include a color illustration on the cover. The issue featured eight articles: "Patronal Programming in Medieval Abbeys and Cathedrals: The Question of Symbolism," by Nigel Hiscock (Oxford Brookes University); "'Now the French for the properties of a plow': Agrarian Lexis in French and English in Late Thirteenth-Century Britain," by William Sayers (Cornell University): "ReCOGnition: Medieval Gearing from Vitruvius to Print," by Steven A. Walton (Pennsylvania State University); "Langland's Diseased Vision," by Virginia Langum (Magdalene College, University of Cambridge); "Villard de Honnecourt and the Counterweight Trebuchet," by William Sayers; and three articles on medieval shipbuilder Michael of Rhodes, respectively by Alan M. Stahl (Princeton University), David McGee (Canada Science and Technology Museum), and Pamela O. Long (Independent Scholar). The issue also included a full report on *AVISTA*-sponsored sessions at the 2009 International Congress on Medieval Studies, and abstracts of twenty-three doctoral dissertations in the field of medieval science and technology completed in 2007 and 2008. The Institute will serve as the publisher of the journal for one more year, after which it will pass to a new home and into new editorship.

Friends of Medieval Studies, an initiative launched in Spring 2007 to consolidate and formalize the Institute's donor base, continued to expand during 2009–10. There are now more than one hundred individual and family members; the Spring Lecture Series is typically the time at which recruitment of new members is strongest. Friends also attended in quite large numbers the three meetings of the Work in Progress seminar, and many Friends attended the three presentations that accompanied the "Sacred Steps" exhibit. Donations from the Friends now total around $4,000 a year and play an important part in enabling the Institute to continue with its public programs. To show its appreciation of the Friends, the Institute held a December holiday reception in their honor at which members of Música Antigua de Albuquerque performed a concert of seasonal medieval music.

Plans for 2010–2011

The 2011 Spring Lecture Series is scheduled for April 11–14 and will be on the theme "Medieval Encounters: Cultures in Contact, Convergence, and Conflict." The aim is to explore cultural exchanges between the Islamic and Western worlds during the Middle Ages. Individual lectures will cover such topics as the great translation movement in ninth-century Baghdad, which was responsible for preserving and transmitting to both West and East knowledge of classical Greek philosophy, science, and medicine; the knowledge of the Koran in medieval Western Europe; the impact of the Crusades on relationships between the West and Islam; and the eclectic decoration of the Alhambra palace in Granada, Spain. The speakers will include Thomas Glick (Boston University), Thomas Burman (University of Tennessee), Adnan Husain (Queen's University), and Cynthia Robinson (Cornell University and formerly a faculty member within UNM's Department of Art and Art History). The UNM Early Music Ensemble will once more perform during the lecture series and to assist in funding the event the Institute has again submitted a grant application to the New Mexico Humanities Council.

The Institute's Visiting Scholar in Medieval Scandinavian Studies for Spring 2010 will be Rory McTurk, Professor Emeritus of Icelandic Studies at the University of Leeds, England. Professor

McTurk is an internationally renowned scholar specializing in Old Norse, Old English, and Middle English language and literature. He taught in the English Department at the University of Leeds from 1978 to 2007, having previously taught at the University of Lund, Sweden, and at University College London.

The Institute will sponsor six sessions—its most ever—at the 2011 International Congress on Medieval Studies. Tony Cárdenas's three sessions on "Wronged Women: Fact or Fiction?" will include papers by Cristina González (University of California, Davis), Linda González (University of New Mexico), Mercedes Vaquero (Brown University),Yonsoo Kim (Purdue University), Angelica A. Nelson (University of New Mexico), Aaron Taylor (University of New Mexico), James W. Riddle (College of Staten Island), M. Wendy Hennequin (Tennessee State University), and Peter S. Baker (University of Virginia). Anita Obermeier is the organizer of two sessions on "New Interpretations of the Medieval Virgin Mary," with papers by Brian Reynolds (Fu Jen Catholic University, Taipei), Judith M. Davis (Goshen College), Berkeley Becker (University of Toledo), Georgiana Donavin (Westminster College), Chelsea Lambert Skalak (University of Virginia), and Matthew J. Milliner (Princeton University). Timothy Graham's session on "Anglo-Saxon Studies in the Sixteenth and Seventeenth Centuries" will include presentations by Emily Butler (John Carroll University), Rebecca Brackmann (Lincoln Memorial University), and Kees Dekker (Rijksuniversiteit Groningen).

Personnel

During 2009–2010, two of the Institute's core faculty were reviewed by their departments for tenure and/or promotion. At the end of the year, Justine Andrews became Associate Professor of the History of Art and Anita Obermeier Professor of English.

Geoffrey R. Russom was the 2010 Visiting Scholar in Medieval Scandinavian Studies, jointly sponsored by the Institute and by UNM's Department of English Language and Literature. Dr. Russom is Professor Emeritus of English at Brown University and an acknowledged expert on versification in medieval Germanic languages. While at UNM for the Spring semester, Dr. Russom taught the popular course "Viking Mythology" (English 305), which on this occasion produced an enrollment of 58 students. During his stay, Dr. Russom spoke to a meeting of the Institute's Work in Progress Seminar.

The Institute continued to function without a staff person, as it has done since 2006. It received support for Banner financial operations from Tracy Wenzl, a staff member in the College of Arts and Sciences, who provided similar support for the College's other interdisciplinary programs. Since Ms. Wenzl's departure in May, however, there has been no staff member in the College office able to provide such support, and for 2010–2011 the Institute will have to rely upon History's Departmental Administrator, Yolanda Martinez, for assistance. Given Ms. Martinez's very full load of work from her department, this is a difficult and unsatisfactory situation. It is hoped that there will soon once again be a staff person in Arts and Sciences dedicated to supporting the interdisciplinary units. The Institute continues to depend upon its Director and its five core faculty members to fulfill every aspect of its demanding mission of curriculum delivery and public programs.

Publications, Conference Presentations, and Other Professional Activities

For the seventh consecutive year, the Institute sponsored sessions at the International Congress on Medieval Studies, which is the largest professional meeting in the world for medievalists, convening each May on the campus of Western Michigan University. The sponsorship of sessions enhances the Institute's visibility both nationally and internationally. The Forty-Fifth International Congress met on May 13–16. Anita Obermeier organized two sessions on "Unfinished Texts." The first session featured papers by herself on "The Unfinished Logos: Medieval Images of the Pregnant Virgin Mary"; by Timothy Graham on "The Surviving Manuscripts of William Elstob's Planned Edition of the Anglo-Saxon Laws"; by Jonathan Herold (University of Toronto) on "Framing Deeds with Words: Reconstructing Hemming's Cartulary"; and by Tristan Major (University of Toronto) on "Unfinished Business: Authorial Intentions behind the 'Additional' Saints' Lives in the E Redaction of the South English Legendary." The four papers in Dr. Obermeier's second session were: Tara Foster (Northern Michigan University), "Baudoin Butor's Unfinished Arthurian Romance"; Timothy A. Shonk (Eastern Illinois University), "Egerton 2862: A Manuscript in Progress of Circulating Romances"; Joshua R. Eyler (Columbus State University), "The *Canterbury Tales*: Finished or Unfinished? Understanding the Importance of the *Canon's Yeoman's Tale*"; and Sarah Baechle (University of Notre Dame and a former UNM student), "Completing the *Canterbury Tales*: Marginal Gloss as Narrative Device." Tony Cárdenas also organized two sessions. The first included three papers devoted to an evaluation of an important, but neglected, historical source, Mosén Diego de Valera's *Crónica abreviada*. The speakers were Wendell Smith of Dickinson College ("Diego de Valera Maps the Limits: *La crónica abreviada* as Cosmography"), Daniel Abeyta of UNM ("The Future: From Alfonso X's *Estoria de España* to Mosén Diego de Valera's *Crónica abreviada* and Beyond"), and Tony Cárdenas himself ("The Odor of Sanctity: From Alfonso X's *Estoria de España* to Mosén Diego de Valera's *Crónica abreviada* and Beyond"). Dr. Cárdenas's second session, titled "The Apocalypse in the Middle Ages," featured papers by Susan Rauch of Texas State University, San Marcos ("Apocalypse Now Y1K: What a Revelation! A Comparative-Critical Literary Analysis of an Anglo-Saxon Text Disguised as New Testament Biblical Study"), Nathaniel M. Campbell of the University of Notre Dame ("'Lest he should come unforeseen ... ': The Antichrist Cycle in the *Hortus deliciarum*"), Micah A. Erwin of the University of Texas, Austin ("'Write Them Not': The Depiction of Divine Concealment in Anglo-French Apocalypse Manuscripts"), and Aaron Taylor of UNM ("No Need To Worry: Thirty-One Signs that the Antichrist Came in the Fifteenth Century").

In addition to her Institute-sponsored sessions, Anita Obermeier organized four sessions for the Consortium for the Teaching of the Middle Ages: "Teaching King Arthur and Ethnicity/Race (A Roundtable)," "Teaching with Second Life: A Virtual Reality," "Teaching with TEAMS Texts," and "Teaching the Crusades: Multidisciplinary and Multiethnic Perspectives." The Institute's Graduate Student Prize Winner for the year was Lisa Myers, a doctoral student in English, who delivered her winning paper, "'A Gest of Robin Hood' and Its Position in the Development of the Robin Hood Legend," in a session on "History in English Literature." The Institute covered her travel expenses and the Congress Committee at Western Michigan waived her registration and accommodation charges. At the beginning of the 2009–10 school year, the Director of the

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Medieval Institute at Western Michigan kindly agreed to continue for another five years the arrangement by which our prize winner is given a privileged appearance at the Congress. Two other UNM Medieval Studies graduate students presented at the 2010 Congress. Christine Kozikowski delivered a paper titled "Gawain and the Women: Defining Self" in a session on "The Middle English Gawain Romances (excluding *Sir Gawain and the Green Knight*)." Donna Ray, a doctoral student in the History Department, spoke in a session dedicated to the topic of "Word and Image in the Mystical Experience"; her paper was titled "'There is a threeness about you': Medieval Women Visionaries and the Trinitarian Image of God."

During the year, Institute Director Timothy Graham published his article, "William Elstob's Planned Edition of the Anglo-Saxon Laws: A Remnant in the Takamiya Collection," which appeared in vol. 73 of the journal *Poetica*, pp. 109–41; this was a special issue of the journal dedicated to the memory of noted Cambridge medievalist Derek Brewer. His article on "Manuscript Studies" was published in the Oxford Dictionary of the Middle Ages, a definitive new reference work published in Spring 2010. Graham also published two book reviews: one of Michelle P. Brown's *Manuscripts of the Anglo-Saxon Age*, in *Journal of English and Germanic Philology* 109 (2010): 108–10; and the other of Malcolm Parkes's *Their Hands before Our Eyes: A Closer Look at Scribes*, in *Speculum* 85 (2010): 448–50. In August he offered the Albuquerque OASIS group a lecture on Dante's *Purgatorio* and *Paradiso* titled "Through Purgatory to Paradise with Dante." He gave a second OASIS lecture in November, "Sanctuaries of the Spirit: The Great Medieval Cathedrals." Both lectures drew large audiences and were held in the main auditorium at the UNM Continuing Education Building. In February he spoke to Osher Lifelong Learning Institute, also at Continuing Education, on the theme "Time and Space in the Middle Ages." In mid-February Graham traveled to Tempe, AZ, to lead a half-day pre-conference workshop on medieval manuscript studies at the annual meeting of the Arizona Center for Medieval and Renaissance Studies. At the end of the school year Graham received the UNM College of Arts and Sciences Award for Teaching Excellence.

Justine Andrews published four articles in the new *Oxford Dictionary of the Middle Ages*: "Iconography: Icons, Types of Christ and Mary," "Iconography: Iconoclasm," "Katholikon; naos," and "Menologion." In February she delivered her paper, "Post-Crusade and Post-Colonial: Latin Art in Fourteenth-Century Cyprus," at the annual meeting of the College Art Association held in Chicago. She delivered two other papers during the Spring semester: "Armenian Frescoes in Famagusta, Cyprus," at the meeting of the Medieval Association of the Pacific, University of Puget Sound, Tacoma, WA; and "A Kingdom or a Colony? Meaning and Identity in Late Medieval Latin Architecture on Cyprus" at a workshop in Washington, D.C., sponsored by the Council of American Overseas Research Centers.

Tony Cárdenas's article "Alfonso X, Saint James and the Virgin" appeared in vol. 50 of the *LAII Research Paper Series*, pp. 1–30. Dr. Cárdenas spoke on the theme "Of Yarn and Yearning: Marginal Muliebral Memories" at the annual meeting of the Modern Language Association of America, held in Philadelphia in December.

In Spring 2010 Helen Damico was honored by a Festschrift including essays by colleagues and former students. Titled *Poetry, Place, and Gender: Studies in Medieval Culture in Honor of Helen Damico*, the book was edited by Catherine E. Karkov of the University of Leeds and

published by Medieval Institute Publications, Western Michigan University. Dr. Damico's article "Writing/Sounding the Rood" appeared in *Cross and Cruciform in the Anglo-Saxon World: Studies to Honor the Memory of Timothy Reuter*, edited by Sarah Larratt Keefer, Karen Louise Jolly, and Catherine E. Karkov and published by West Virginia University Press.

Leslie Donovan's essay "Resolving Conflicts, Deciphering the Enigma: *Beowulf*'s Hunferth as Precursor of the English Court Fool" appeared in the Festschrift for Helen Damico. During the year Dr. Donovan also published "Many Lovely Students and One Much Too Late Night: A Report on Tolkien at Vermont 2010," which appeared in *Mythprint: The Monthly Bulletin of the Mythopoeic Society* 47 (2010): 3–4. In July she delivered two presentations at the meeting of the Mythopoeic Society held in Los Angeles: "Teaching Tolkien" and "Tolkien in the Twenty-First Century." At the National Collegiate Honors Council Conference held in Washington, DC, in October, she offered a presentation titled "All Of Us Smarter Together: Building Honors Community through Computer-Mediated Communication." At the Tolkien in Vermont Conference held in April she spoke on "Transgressing Boundaries: The Legacy of Teaching Tolkien." During the year Dr. Donovan was awarded an Honorary Membership of the Maia Chapter of Mortar Board.

Together with English Department doctoral candidate Marisa Sikes, Anita Obermeier published "The Wife of Bath's Prologue and Tale" in the online *Literary Encyclopedia*. In October she offered a presentation on "Fertility and Sterility in the Grail Legend" in an Osher Lifelong Learning Institute course on "The Holy Grail and Arthurian Legends." In February, she spoke on "Malaria in Chaucer's Time" at the Sixteenth Annual Conference of the Arizona Center for Medieval and Renaissance Studies, held in Tempe, AZ. She delivered her paper "Malory's and the *Vulgate Quest*'s Grail of Fertility and Sterility" at the annual meeting of the Medieval Association of the Pacific, held in March at the University of Puget Sound, WA. During the year Dr. Obermeier received the UNM Alumni Association's Faculty Award for outstanding teaching and service to students. She became Vice-President of the Medieval Association of the Pacific and Vice-President of the Consortium for Teaching the Middle Ages.

Anne Van Arsdall, Research Associate of the Institute, delivered her paper "Evaluating the Content of Medieval Herbals" at a conference on the theme "Researching the History of Western Herbal Medicine" held during May in London, UK; the meeting was sponsored by Middlesex University Institute of Health and Social Sciences. Earlier in the year Dr. Van Arsdall received a contract from Ashgate Publishing for a forthcoming collection of essays in honor of distinguished historian of medicine John M. Riddle; she and Timothy Graham will jointly edit the book. In June Dr. Van Arsdall walked a portion of the pilgrimage route to Santiago de Compostela in Galicia, Spain, receiving a Latin certificate attesting to her completion of the pilgrimage.

Peace Studies Program Annual Report

Submitted by Program Director Les Field and Student Advisor/GA Desi Brown

(Fall 2009-Spring 2010)

I: General description of Peace Studies Program and Staff

The Peace Studies program offers a broadly conceptualized curriculum concerned with conflict, violence, and peace-making that encompasses related yet diverse fields such as mediation, restorative justice, human rights, geopolitical conflict, and the study of nonviolent social movements and strategies. The program's past and current directors have been based in multiple disciplines including Law, American Studies and Anthropology, leaving distinct and rich legacies to the program. Peace Studies currently offers undergraduate students a 24 credit minor and a 15 credit certificate of study is available to undergraduates or non-traditional students; in that light, the program's principle goal is to provide an organized and comprehensive curriculum based upon the yearly course offerings. Heretofore, classes taught by faculty across Arts and Sciences have composed the vast majority of the classes counted for the Peace Studies minor and certificate—such classes were not really cross-listed since Peace Studies had no class designation of its own. Specific classes are identified by the program each semester that fit the curriculum standards we require for the minor and certificate.

We have had one GA line for one class per semester, plus one PTI line per semester through Sociology taught by (now retired) sociologist Christine Rack who devoted her pedagogy to Peace Studies. Thus currently our staff/faculty are:

- Les Field: Program Director, Professor of Anthropology
- Desi Brown: PCST Student Advisor and PCST 102 Instructor through our .5 GA line
- One PTI line, which is allocated semester by semester to qualified instructors (funded by SOC until the Fall, 2010 semester)

II: Significant Developments during the Academic Year 2009-2010

Dr. Les Field, Professor of Anthropology, assumed the directorship of Peace Studies on January 1, 2010.

This year we successfully created an independent catalogue designation for Peace Studies classes (PCST), which will vastly expedite our ability to regularize and organize the Peace Studies curriculum and creates an identifying designation for our students. We have been able to add PCST 102 (Introduction to Peace Studies), PCST 240 (International Politics), PCST 221 (Global Issues) and PCST 400 (Peace Studies Internship) to the A & S class list. All of these classes have formerly been listed through other programs. In addition, following Prof. Christine Rack's retirement, the PTI line formerly in Sociology has been permanently assigned to the Peace Studies program, which will enable us to design and list our own classes with much more facility. Paperwork has been submitted for PCST 306 (Peace and Conflict) and PCST 307 (Non-Violent Alternatives), our core seminar classes, which have also been offered in other departments in the past.

As a program, we offered PCST 102 (and its predecessor designations) both in the Fall, 2009 semester (taught by Graduate Assistant Desi Brown) and Spring 2010 semester (taught by Prof. Ken Carpenter). SOC 398 (Non-violent Alternatives) was taught by Prof. Rack in the Fall 2009 Semester and its companion seminar (renamed SOC

306/PCST 306) was taught by Prof. Rack in the Spring of 2010. Program Director Les Field and Advisor Desi Brown facilitated a number of students in their internships and three scholarships were awarded (from private/non-profit sources) to qualified minors.

The 5th annual 2010 Peace Fair was led by a group of Peace Studies minors mentored by Advisor Desi Brown and was another successful event for us. Despite foiled efforts to hold the fair outdoors for the first time (there was a snow storm going on), we had several hundred people attend the various aspects of the fair that included information tables from about 40 on and off campus groups doing peace and social justice work, an open yoga session in the morning, live music, children's events, an art show, a graffiti art contest, and two academic panel discussions on hunger issues in NM and the role of spiritual practice in promoting social change. The fair was again co-sponsored by a number of different academic programs on campus as well as off-campus non-profit groups. The Peace Fair is one of the important ways we encourage our students to be involved in interdisciplinary work on campus and in doing effective community outreach as well.

In Spring 2010, Prof Field taught a new mixed upper-level undergraduate-graduate student seminar in Peace Studies through the Anthropology Department entitled "Palestinian Memoir." As a part of this class, Peace Studies sponsored three speakers: Ziad Abbas (Middle East Children's Alliance based in Daheishe Refugee Camp), Muhammed Omar (independent journalist in Gaza), and Gil Hoffman (Journalist for the Jerusalem Post).

Field also helped Eleni Bastea, Professor in the School of Architecture, plan a class focused on conflict and peace-making between Greece and Turkey. This class was cross-listed with PCST to benefit our minors.

III:Upcoming Plans

S.O.A.P. (Students Organizing Actions for Peace). This is the undergraduate student group associated with the Peace Studies Program. This academic year was one of transition for the students, as all of the active members graduated in the spring of 2009 and most of those who would normally be involved as leaders in this group were doing their internships or working with the Peace Fair. S.O.A.P. is always the primary sponsoring student group for the Peace Fair and was involved in coordinating activities among other student groups related to social justice issues throughout the year. A core group of students has emerged as leaders for the coming Fall, 2010 – Spring 2011 academic year which will be an exciting one for all of us.

In Spring 2010, Field began organizing the first PCST field school ever under the aegis of the Departments of Anthropology and American Studies. The Field School will take place in the West Bank, Palestine in May 2011. A significant number of the interested and currently enrolling students are PCST minors.

In the future we will start to figure out what sorts of outcomes assessment of our classes will be useful. This will not be possible or make much sense until PCST has a more developed, regularized, and organized curriculum, matching what are now still mostly vague goals. With our own designation and the process of numbering specific classes now underway we have made significant progress towards curriculum development.

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We have just begun identifying the courses (and more importantly the instructors) in other programs who are teaching classes that are appropriate and of interest to our minors and started meeting with these instructors on an individual basis to see how we can further facilitate coordination between our programs and students. This is an effort that will see further expansion in the next academic year and should yield great results for our program's growth.

IV: Peace Studies Related Faculty and Student Publications

Prof. Rack co-authored a report with Niame Adele for the Academe Online Journal. She also had a paper titled *"The Effect of Culturally-Based Fairness Norms on Dispute Negotiations in Mediated Small Claims Cases"* published by the National Association for Community Mediation.

Advisor/GA Desi Brown had two papers presented at conferences this year: *"Round and Round in the Roundhouse – The Politics of SB10"* and *"A Peace Studies Assault on the 'Standardized' U.S. Education System"* both of which reflected his drive and interest in Peace Studies curriculum development.

VI: Graduates

Both our official Peace Studies Minors and Certificate candidates and our unofficial students (those who are taking classes but not declared minors yet) increased during this academic year. All of the classes we offered were filled, with students on waiting lists to get in. We graduated more minors and students who have taken Peace Studies classes this year than any other in the modern history of the Peace Studies Program.

VII: Student Awards and Fellowships

Three scholarships were given out to Simon Ejdemyr, Sarah Shadid and Robert Staszewski for their dedicated efforts towards helping the program in many ways. Simon also won a $5,000 academic/athletic presidents scholarship towards graduate school partially due to his commitment to Peace Studies.

VIII: Faculty Professional Activities

Prof. Field and Advisor/GA Brown have spent time looking at other PCST programs nationwide for ideas about how to develop our small program. They have worked with faculty colleagues in Anthropology, American Studies, Education, Geography, Physics, Religious Studies, Sustainability Studies, the Office of International Programs and in other programs to do as much as possible in offering substantive Peace Studies pedagogy alongside community outreach/integration to provide our students with a complete understanding and exposure to what Peace Studies is about. Both were actively involved in campus governance via Faculty and Graduate Student Groups. Prof. Field is an active member of the UNM AAUP as well as faculty advisor for the Committee for Peace and Justice in the Middle East. Brown is an elected officer within ASGSA (American Studies Graduate Student Association) and GPSA (Graduate Professional Student Organization). Both are members of the Peace and Justice Studies Association and Brown is active with the Albuquerque Center for Peace and Justice as a part of the program's outreach efforts.

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Department of Philosophy
College of Arts and Sciences
Annual Report
July 1, 2009 to June 30, 2010
Submitted by Kelly Becker, Acting Chair

1. Significant developments during the academic year 2009-2010

Statistics from the Office of the Registrar for Spring 2010 indicate that the department continues to grow and attract new students. We had 184 philosophy majors across all programs and colleges.

Arts & Sciences First Major: 11 Economics-Philosophy majors, 37 English-Philosophy, 81 Philosophy.

University College First Major: 2 English-Philosophy, 28 Philosophy.

Arts & Sciences Second Major: 1 Economics-Philosophy, 1 English-Philosophy, 19 Philosophy.

University College Second Major: 4 Philosophy.

14 students graduated with B.A.'s in Philosophy in Fall, 2009, and 20 in Spring, 2010.

4 new students were admitted to the Ph.D. program (with full financial aid) and 9 to the M.A. (1 in spring).

The Department has completed major changes to its website.

Separations from staff:

- Professor Andrew Burgess retired, effective June 30, 2010.
- Assistant Professor Paul Katsafanas took a position at Boston University, leaving UNM on May 15, 2010.

Faculty

Prof. Domski was nominated for the 2010 Outstanding Teacher of the Year award.

Professor Hannan is on the Academic Freedom and Tenure Committee.

Prof. Hayes took a sabbatical leave in Fall 2009.

Professor Johnston received a remarkable and unprecedented promotion from Assistant Professor to Full Professor.

Prof. Kalar took a sabbatical leave in Spring 2010.

Assistant Prof. Livingston took a sabbatical leave in Spring 2010.

Prof. Taber was on research leave Fall 2009.

2. Conferences & Speakers

The Department sponsored its eighth annual Philosophy Student Conference on the theme "Agency, Freedom, and Ethics" in February 2010. The keynote speaker was Lanier Anderson, of Stanford University.

The Department sponsored the Southwest Seminar in Early Modern Philosophy. The seminar took place February 27, 28.

Sanem Soyarslan, Duke University
"The Distinction between Reason and Intuitive Knowledge in Spinoza's Ethics"

Steven Nadler, University of Wisconsin, Madison
"Spinoza, Maimonides, and Prophesy"

Joel Schickel, University of Dayton

"The Modernity of Descartes's Moral Theory"

Shelley Weinberg, University of Illinois, Urbana-Champaign
"The Metaphysical Fact of Consciousness in Locke's Theory of Personal Identity"

Brian Chance, University of Oklahoma
"Psychologism, Sensibilism, and Kant's Debt to Hume"

Colin Heydt, University of South Florida
"'Where men judge of things by their natural, unprejudiced reason': Hume and His Contemporaries on the Virtues"

Reed Winegar, University of Pennsylvania
"Good Sense, Art, and Morality in Hume's "Of the Standard of Taste""

The Department sponsored the Southwest Seminar in Continental Philosophy: Inaugural Meeting. The seminar took place between May 28, 29 in the departmental library and classrooms.

Featured Speakers:

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Rajesh Sampath, Brandeis University
"Time, History, Eternity and Eschatology as the Basis of Pannenberg's Theological Method."

Samantha Matherne, UC Riverside,
"'Style' and Merleau-Ponty's Account of Object Constancy."

Christopher Fox, Newman University,
"The novelty of Spirituality and the religiosity of substitution in Emmanuel Levinas."

Dorothea Olkowski, University of Colorado, Colorado Springs,
"In Search of Lost Time, Merleau-Ponty, Bergson, and the Time of Objects."

Matthew Schunke, Southern Illinois University, Edwardsville,
"Revealing Givenness: The Role of Intuition in Phenomenology of Religion."

Ben Crowe, University of Utah,
"Appropriating Schleiermacher."

Matthew Schunke, Southern Illinois University, Edwardsville,
"Revealing Givenness: The Role of Intuition in Phenomenology of Religion."

Daniel Conway, Texas A&M.
"Who is Zarathustra's Nietzsche?"

Keynote 1: Claire Katz, Texas A&M,
"'The stirrings of a stubborn and difficult freedom': Education, Assimilation, and Levinas's response to the Principles of 1789."

Keynote Chair: Gerard Kuperus, University of San Francisco.

Marjolein Oele, University of San Francisco,
"Pathos Reviewed: Evaluating Heidegger's Interpretation of Pathos in Aristotle."

Carl Sachs, University of North Texas, and Shane Epting, UT El Paso,
"Thinking of the Living Body in Hans Jonas and Merleau-Ponty."

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Jesús Adrián Escudero, Universidad Autónoma de Barcelona,
"Heidegger and the Hermeneutical Turn of Phenomenology."

Robert Stolorow, Institute of Contemporary Psychoanalysis and UCLA School of Medicine,
"Individuality in Context: The Relationality of Finitude."

Matthew Shockey, University of Indiana, South Bend,
"On Descartes' Uncertainty and Heidegger's Anxiety."

Rick Anthony Furtak, Colorado College,
"Kierkegaard's Postscript and the Scandal of Modern Philosophy."

James Reid—Metropolitan State College, Denver, and the Air Force Academy,
"Wrestling with Descartes: Heidegger's 'Anti-Modernism.'"

John O'Connor, Colorado State University-Pueblo,
"Category Mistakes and Logical Grammar: Ryle's Husserlian Tutelage."

Ann Murphy, Fordham University,
"Shame and the Philosophical Imaginary."

Keynote 2: Steven Crowell, Rice University,
"What is Ethics as First Philosophy? Levinas in a Phenomenological Context."

Keynote Chair: Iain Thomson, University of New Mexico.

The Department co-sponsored the Summer Seminar on Buddhism at Jemez Springs in June, together with the UNM Religious Studies Program and the Rinzai-ji Zen Center.

Featured Speakers:

Sarah McClintock, Religious Studies, Emory University
Noritoshi Aramaki, Buddhist Studies, Ryukoku University, Kyoto, Japan
James Austin, University of Colorado, emeritus
Harold Roth, Religious Studies, Brown University

The complete list of departmental guest speakers for the academic year of 2009-2010:

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Fall 2009

Friday, October 9	**Mark Wrathall,** University of California, Riverside, *Guilt and the Individual*
Friday, November 13	**Roy Perrett**, University of Hawaii, *Memory, Doubt and the Self*

Spring 2010

Friday, February 12	**Martin Hagglund**, Harvard Society of Fellows, *Proust and Philosophy*. Dane Smith 120
Tuesday, March 9	**Paul Guyer**, University of Pennsylvania – **O'NEIL MEMORIAL LECTURES IN THE HISTORY OF PHILOSOPHY**, *Freedom as the Foundation of Morality: Kant's Early Efforts*, Dane Smith 123
Wednesday, March 10	**Paul Guyer**, University of Pennsylvania – **O'NEIL MEMORIAL LECTURES IN THE HISTORY OF PHILOSOPHY**, *Moral Feelings in the Metaphysics of Morals*, Dane Smith 123
Friday, April 2	**Sarin Marchetti**, Visiting Scholar, Columbia University, *William James on Truth and Invention in Morality*. Dane Smith 123
Friday, April 23	**Christopher Framarin**, University of Calgary, Relations *with Brahman (God) as the Basis for an Environmental Ethic*. Dane Smith 123

3. Plans and recommendations

The O'Neil Lecturer this year is the distinguished Catherine Malabou, Professor of Philosophy, University of Paris X-Nanterre. Malabou has recently collaborated on a book with our own Adrian Johnston, due out on Columbia University Press.

The Department is still in the process of proposing to the College that Philosophy 156, Reasoning and Critical Thinking, be developed as a course that will partially satisfy the university undergraduate writing requirement, possibly substituting for English 102. We would like to modify the course to meet that need, increase the number of sections offered and, correspondingly, the number of Philosophy TA's required to teach them.

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4. Publications of Faculty

Kelly Becker

"Reliabilism," in *Internet Encyclopedia of Philosophy*, August, 2009.

"Review of Quentin Smith, ed. *New Essays in Epistemology*," *Mind*, April, 2010

Andrew J. Burgess

"Kierkegaard's *Taler,* Moravian *Reden*?" in *Kierkegaard and the Nineteenth Century Crisis in Europe*, Acta Kierkegaardiana Vol. 4, ed. Roman Kralik, et al. (Toronto: Kierkegaard Circle, and Sal'a: Kierkegaard Society of Slovakia, 2009) 202-15.

""The Apostle Paul in the Strategic Humor of Kierkegaard's 1843-44 Discourses," in *At Vaere Sig Selv Naevaerende: Festskrift til Niels Joergen Cappeloern,* ed. Joakim Garff, Ettore Rocca, Pia Soeltoft (Copenhagen: Kristeligt Dagblads Forlag, 2010) 462-77.

"Koncept nasledovania v Bonhoeflerovych okrajovych poznamkach ku Kierkegaardovym *Neskorsim spisom"* ["The Concept of Discipleship in Bonhoeffer's Marginalia to Kierkegaard's Late Papers"], in *Kierkegaard's Mirror for the Present Age: Kierkegaardovo Zrkadlo Pre Sucasnost*, Acta Kierkegaardiana 4, Supplementary Volume, ed. Roman Kralik, et al. (Toronto: Kierkegaard Circle and Sal'a: Kierkegaard Society of Slovakia, 2010) 52-63.

John Bussanich

Review Essay: *Plotinus on Self: The Philosophy of the "We."* By Pauliina Remes. Cambridge University Press, 2008. Pp. 287. $105.00. *Classical Philology* 105 (2010): 118-123.

Mary Domski

Book review of D. Garber and B. Longuenesse (eds.), *Kant and the Early Moderns* (Princeton University Press, 2008). *Mind* (April 2010), DOI: 10.1093/mind/fzq022.

Book review of Andrew Janiak, *Newton as Philosopher* (Cambridge University Press, 2008). *Early Science and Medicine* (2009) 14: 590-592.

"The Intelligibility of Motion and Construction: Descartes' Early Mathematics and Metaphysics, 1619-1637", *Studies in History and Philosophy of Science* (September 2009) 40: 119-130.

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Russell Goodman

Book Chapters:

"Ralph Waldo Emerson," in *History of Western Philosophy of Religion*, vol. 4, ed. Graham Oppy and Nick Trakakis, Oxford: Oxford University Press, 2009, pp. 119-31.

"Emerson and Skepticism: A Reading of Friendship," in *Emerson and Thoreau: Figures of Friendship*, ed. John T. Lysaker and William Rossi, Bloomington: Indiana University Press, 2009, pp. 70-85.

Review:

Sami Pihlström, *"The Trail of the Human Serpent is Over Everything": Jamesian Perspectives on Mind, World, and Religion* (Lanham, MD: University Press of America, 2008), *Metaphilosophy*, 41:1-2, 2009, pp. 235-9.

Barbara Hannan

Paper forthcoming in *Philosophy*.

Richard P. Hayes

Reviews:

Gary A. Tubb, Emery R. Boose. Scholastic Sanskrit: A Handbook for Students. Reviewed in H-NET Buddhist Scholars Information Network http://www.h-net.org/reviews/showpdf.php?id=22809 (August, 2009).

Jonardon Ganeri. The Concealed Art of the Soul: Theories of Self and Practices of Truth in Indian Ethics and Epistemology. Reviewed in Journal of Religion 89(1):123–125.

Review of Jinendrabuddhi's Vi´s¯al¯amalavat¯ı Pram¯an. asamuccayat.¯ık¯a, Chapter 1. Edited by Ernst Steinkellner, Helmut Krasser, and Horst Lasic. Reviewed in Journal of the American Oriental Society 129(1):128–129.

Adrian Johnston

Book:
(2009). *Badiou, Žižek, and Political Transformations: The Cadence of Change*, Evanston: Northwestern University Press.

Articles:

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(2010). "The Role of Alain Badiou's Inaesthetics in Visual Culture: An Interview with Adrian Johnston [with Hilary Ellenshaw]," *Hemispheres: Visual Cultures of the Americas*, vol. 3, pp. 103-115.

(2010). "The Right Left: Alain Badiou and the Disruption of Political Identities," *Yale French Studies: Turns to the Right?* [ed. Lawrence Schehr and Michael Johnson], no. 116/117 (I haven't received my contributor's copy, so I don't have the exact page numbers handy).

(2010). "A Letter to Žižek Regarding *In Defense of Lost Causes*," *International Journal of Žižek Studies*, vol. 4, no. 2, pp. 1-10.

(2010). "*Affekt, Gefühl, Empfindung*: Rereading Freud on the Question of Unconscious Affects," *Qui Parle?*, vol. 18, no. 2, Spring/Summer, pp. 249-289.

(2010). "Affective Life between Signifiers and *Jouis-sens*: Lacan's *Senti-ments* and *Affectuations*," *Filozofski Vestnik: What is it to live?* [ed. Jelica Šumič-Riha], vol. 30, no. 2, pp. 113-141.

(2010). "Slavoj Žižek between Political Theology and a Politicized Theology: A Response to Clayton Crockett," *Political Theology* [ed. Creston Davis], vol. 11, no. 1, pp. 158-160.

Brent Kalar

Paul Livingston

"Agamben, Badiou, and Russell," *Continental Philosophy Review* 42:3 (2009), pp. 297-325

"The Breath of Sense: Language, Structure, and the Paradox of Origin," *Konturen* vol. 2 (2010), online with response and discussion by Samuel Wheeler: http://konturen.uoregon.edu/vol2_Livingston.html

"Wittgenstein and Turing," *Linguistic and Philosophical Investigations* 9 (2010), pp. 215-47.

John Taber

Iain Thomson

"Rethinking Levinas on Heidegger on Death," *The Harvard Review of Philosophy*, Vol. XVI (Fall 2009) [published May 2010], pp. 23-43.

"Heidegger's Aesthetics," in Edward N. Zalta, ed., the *Stanford Encyclopedia of Philosophy* (February 2010; 36,705 words).

5. Outside professional activities of staff members

Kelly Becker

"Methods and How to Individuate Them," presented at Simon Fraser University, November, 2009.

"Comment on Geoffrey Pynn's 'The Bayesian Explanation of Transmission Failure'," presented at the American Philosophical Association, Central Division Meeting, February, 2010.

Participated in Invitation-Only Conference on Epistemology at Oberlin College, May 2010.

Referee for *Acta Analytica*, *American Philosophical Quarterly*, *Australasian Journal of Philosophy*, *Erkenntnis*, and *Philosophical Quarterly*.

Commissioned to write an entry in *Oxford Bibliographies Online* on 'Modal Epistemology', forthcoming.

Andrew Burgess

Delivered annual Julia Watkin Memorial Kierkegaard Lecture, St. Olaf College, "Bonhoeffer to His Fiancee: Take a Strong Dose of Kierkegaard!" Nov. 5, 2009.

As co-chair of the "Kierkegaard, Religion, and Culture Group," led the business meeting at the national convention of the American Academy of Religion, Montreal, Nov. 7-10, 2009.

Delivered paper "A Dialogue of Genres: *Two Upbuilding Discourses* (1844) and *The Concept of Anxiety* Chapter V," at "Kierkegaard's *Upbuilding Discourses*: International Conference in Modern European Thought," Oxford University (England), April 16-18, 2010.

Delivered paper "Genre and Voice in Kierkegaard's *The Concept of Anxiety*" at International and Interdisciplinary Conference, University of Vaasa, Vaasa (Finland), May 27-28, 2010.

Delivered paper "Kierkegaard's Call for Honesty" at The Sixth International Kierkegaard Conference, St. Olaf College, June 28-30, 2010.

Responded to paper "Kierkegaard's Paradoxes and Their Prophetic Influence on Central European Thought," at The Sixth International Kierkegaard Conference, St. Olaf College, June 28-30, 2010.

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John Bussanich

Refereed conference paper: "Bondage and Liberation in Plato's *Phaedrus*." Presented at the West Coast Plato Colloquium, May 23, 2010 in San Diego at UCSD.

Co-Editor, *Ancient Philosophy*
Board of Directors, International Society for Neoplatonic Studies
Referee, Cambridge University Press

Mary Domski

Prof. Domski was selected in April 2010 to take part in "Descartes, Galileo, Hobbes: Philosophy and Science, Politics and Religion during the Scientific Revolution", an NEH Summer Institute for College and University Teachers that was directed by Daniel Garber (Princeton) and Roger Ariew (South Florida). The seminar took place 12 July – 6 Aug 2010 at Princeton University.

"Unity as Natural, Reason as Divine: The Beauty of Systems in Seventeenth Century Natural Philosophy", Keynote Address for the American Society of Aesthetics, Rocky Mountain Division Meeting, 9 July 2010, Santa Fe, NM

"The Mathematics and Metaphysics of Descartes' Mature Philosophy", HOPOS, The International Society for the History of the Philosophy of Science Eighth Biennial Congress, 24-27 June 2010, Budapest, Hungary.

"Newton's Empiricism in Cartesian Context: Revisiting the Argument for Space in *De Gravitatione*", Newton and Empiricism Conference, Center for Philosophy of Science, University of Pittsburgh, 9-11 April 2010

"God and Nature in Seventeenth Century Science", University of New Mexico, Chemical Engineering Seminar Series, 5 March 2010

"God and Nature in the Seventeenth Century", Lecture for the Osher Lifelong Learning Institute, University of New Mexico, 10 Feb 2010

"Newton's Empiricism and the Emanation of Space in *De Gravitatione*", History of Science Society (HSS) Annual Meeting, 19-22 November 2009, Phoenix, AZ

"Locke's Qualified Embrace of Newton's *Principia*". SPAWN 2009: Nature and Purpose in Early Modern Philosophy, 9-12 August 2009, Syracuse, NY

Co-organizer, Southwest Seminar for Early Modern Philosophy, which took place 27-28 February at UNM.

Member of the Steering Committee for HOPOS, the International Society for the History of Philosophy of Science (elected to a 3-year term in December 2008).

Referee for *Journal of the History of Philosophy*, *Historia Mathematica*, and *Synthese*.

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Russell Goodman

Nominated Fellow, Institute for Advanced Study in the Humanities, University of Edinburgh, July-August, 2009.

Panelist evaluating applications for summer institutes and seminars, National Endowment for the Humanities, April, 2010.

Reader for *Contemporary pragmatism* and *the pluralist*

Richard Hayes

"Ten Philosophical Questions To Ask About Buddhism." A series of ten lectures given at Leiden University, The Netherlands, September through November, 2009.

"Will the marriage between Buddhism and Pragmatism last?" Delivered at International Institute for Asian Studies, November 5, 2009.

Barbara Hannan

Attended John Heil's NEH Summer Seminar on Mind and Metaphysics at Washington University in St. Louis during summer 2009.

Adrian Johnston

Invited Lectures:
(2010). "Alain Badiou versus Slavoj Žižek: Is Lacan an Anti-philosopher?—A Debate" (moderator, with Kenneth Reinhard), Experimental Critical Theory Seminar, Department of Comparative Literature, University of California at Los Angeles, Los Angeles, California.

(2010). "Turning the Sciences Inside Out: Revisiting Lacan's 'Science and Truth,'" Experimental Critical Theory Seminar, Department of Comparative Literature, University of California at Los Angeles, Los Angeles, California.

(2010). "'Naturalism or anti-naturalism? No, thanks—both are worse!': Science, Materialism, and Slavoj Žižek" (keynote address), *The Theory Reading Group at Cornell University—Sixth Annual Interdisciplinary Spring Conference*, "Form and Its Genesis," Cornell University, Ithaca, New York.

(2010). "'Naturalism or anti-naturalism? No, thanks—both are worse!': Science, Materialism, and Slavoj Žižek" (keynote address), "Real Objects or Material Subjects?:

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A Conference on Continental Metaphysics," Department of Philosophy, University of Dundee, Dundee, Scotland.

(2009). "What is 'transcendental materialism?': Clarifying and Defending *Žižek's Ontology*," Book Session on *Žižek's Ontology: A Transcendental Materialist Theory of Subjectivity*, *Society for Phenomenology and Existential Philosophy*, George Mason University, Arlington, Virginia.

Other:
Executive committee, Affiliated Psychoanalytic Workgroups

Editorial board, *International Journal of Žižek Studies*
Referee for *Continental Philosophy Review*, *Journal for Lacanian Studies*, and several other journals.

Brent Kalar

"Comments on James Garrison," American Society for Aesthetics annual meeting, Denver, October 2009

"Quarrelling and Cultivation in Kant's Theory of taste," APA Pacific Division meeting, San Francisco, April 2010.

Under contract for Brent Kalar, *Key Terms in Aesthetics* (Continuum, 2011)

Paul Katsafanas

"Grounding Ethics in Philosophical Psychology," Invited Symposium, Pacific APA, April 2010.

"Activity and Passivity in Reflective Agency," Sixth Annual Metaethics Workshop, Univ. of Wisconsin-Madison, September 2009 and Rocky Mountain Ethics Congress, Univ. of Colorado-Boulder, August 2009

Paul Livingston

Awarded a faculty research fellowship (renewal) by the Alexander von Humboldt Foundation to conduct research at Freiburg University in Germany (June 1 - Aug. 25, 2009). Ongoing research project concerns the concepts of logos and language in the phenomenological writings of Edmund Husserl and Martin Heidegger.

"Derrida and Formal Logic: Formalizing the Undecidable," Forthcoming (2010) in *Derrida Today*.

John Taber

Organized, hosted, and participated in the First Annual Dharmakirti Translation Workshop, UNM Philosophy Dept. and Bodhi Manda Zen Center, Jemez Springs, Mar. 8-19, 2010. Gave presentations on *Pramanavarttika* 3.194-216 and Dharmakirti's *sahopalambhaniyama* argument. Funding for the workshop was provided by a grant from the UNM Research Allocation Committee.

Associate Editor, *Journal of Indian Philosophy.*

Iain Thomson

"The Postmodern Comic Book: Deconstructing the Hero" Paper presented to the International Society for Phenomenological Studies, Asilomar, California, 26 July 2010.

"Refuting Shapiro (and Derrida) by Understanding the Phenomenology of Heidegger's Interpretation of Van Gogh." Paper presented to the inaugural meeting of the Southwest Seminar in Continental Philosophy, UNM, Albuquerque, NM, 28 May 2010.

"Rorty, Heidegger, and the Danger and Promise of the Technological Archive." Paper presented at the conference, "Time Will Tell, but Epistemology Won't: In Memory of Richard Rorty," UC Irvine, 14 May 2010.

"Taylor, Heidegger, Nietzsche: Transcendence and the Problem of Otherworldly Nihilism," Paper presented at the "Saving the Sacred in a Secular Age" conference at UC Riverside, 26 February 2010.

"Ideology after Heidegger," presentation to the Cultural Studies Panel, "What Is Ideology?" UNM, Albuquerque, NM, 30 October 2009.

"Heidegger's Aesthetics?" Paper presented to the International Society for Phenomenological Studies, Asilomar, California, 21 July 2009.

Session chaired: "What is Ethics as First Philosophy? Levinas in a Phenomenological Context," Steven Crowell. Southwest Seminar in Continental Philosophy, UNM, Albuquerque, NM, 29 May 2010.

"*Watchmen* and Philosophy," virtual lecture to Jeff McLaughlin's class at Thompson Rivers University in Kamloops, British Columbia, Canada, 15 October 2009.

Co-Organizer of the first annual meeting of the Southwest Seminar in Continental Philosophy.

Member of the Program Committee for the American Philosophical Association, Pacific Division (2007—2010).

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Member of editorial board, *Journal of Philosophy and Popular Culture* (2009—)

Referee for the Massachusetts Institute of Technology (MIT) Press, 2010.

Referee for Cambridge University Press, 2010.

Referee for *The European Legacy*, 2009.

Referee for *Inquiry*, 2010.

Referee for *Environmental Philosophy*, 2010.

Referee for *Philosophy and Technology*, 2010.

- Nominated for UNM's Faculty Mentor Award (2010).
- Nominated for UNM Regents' Lecturer (2010).
- Nominated for UNM's 2009-2011 Presidential Teaching Fellow Award.

Graduate Director for Philosophy Department at UNM, June 2009—.

Chair, Graduate Admissions Committee, 2010.

Junior Tenure and Promotions Committee, UNM, 2006, 2010.

UNM Susan Deese-Roberts Teaching Assistant of the Year Awards Selection Committee, 2009-2010.

Interviews in Documentary Films

"Only A God Can Save Us," directed by Jeffrey van Davis (2009).

"Being-in-the-World," directed by Tao Raspoli (2010); winner, Best Documentary Award, Vail Film Festival, Berkeley Film Festival.

Member of the Program Committee for the American Philosophical Association, Pacific Division (2007—present).

6. Outside Sponsored Research

Mary Domski, as principle investigator, applied for a Grant from the National Science Foundation as a follow-up to the successful NSF funded pilot study which paired graduate students in philosophy with graduate students in engineering to train them to

team-teach courses on engineering ethics in area colleges. The new three year, $300,000 grant would put the initial pilot program into practice. Domski's proposal won the UNM limited competition in February and is under review.

Paul Livingston was awarded a faculty research fellowship (renewal) by the Alexander von Humboldt Foundation to conduct research at Freiburg University in Germany (June 1 - Aug. 25, 2009). Ongoing research project concerns the concepts of logos and language in the phenomenological writings of Edmund Husserl and Martin Heidegger.

DEPARTMENT OF PHYSICS AND ASTRONOMY
July 1, 2009 to June 30, 2010

Professor Bernd Bassalleck, Chair

Significant Developments

The most significant developments during the 09/10 academic year include our Academic Program Review (APR) during spring 2010, the unfortunate resignation of Prof. JM Geremia at the end of December, a successful faculty search for another astro-particle theorist (leading to the eventual hire of Prof. Huaiyu Duan effective August 2010), and a couple important staff changes, as outlined in more detail below. In addition, in fall 2009 Prof. Kevin Malloy joined our department from the ECE department, his faculty slot remaining with CHTM. At the end of the 09/10 academic year we had 27 tenure-stream faculty members, unchanged from 08/09, plus two Lecturers (still down from three in previous years, although in April Dr. Matt Lane signed a Lecturer III contract with a starting date of August 2011). Assistant Professors Rouzbeh Allahverdi and Keith Lidke underwent successful mid-probationary review this year, and Prof. Rich Rand was promoted to Full Professor. For other personnel changes see the separate sections below.

As mentioned in previous annual reports, for a number of years reorganization and better functioning of the departmental office staff had been a high priority. With the hiring during 09/10 of a new accountant (Lindsay Rogash) and a new grant support person (Julie Morrison) we have now achieved our goal of an effective, well-functioning staff with high morale. Needless to say, we are very happy about this outcome and our current situation. Unfortunately the recent trend of constantly increasing demands on our departmental admin staff as well as on Chair and Associate Chairs, imposed by our upper administration, has continued unabated. This department appears to have managed and survived the 09/10 budget woes better than some others. The mid-year rescission was absorbed by our positive balance in the operating budget.

Continued lack of recurring I&G salary support for our extremely valuable grant support staff member (Julie Morrison, who replaced Monica Fishel) and for a fraction of our Department Administrator's salary remain a serious concern. Both have had to be supported by the departmental overhead account, and securing full I&G salary support for both positions remains a top priority. Of course in the rapidly deteriorating budget climate this prospect now appears more remote than ever, but we will continue the struggle. Related is the sad fact that because of the ongoing pause & hold on staff replacements we have not been able to replace our Electronics Shop Technician John Behrendt, who retired in 2008. Damage to our research effort and to our reputation with colleagues at other institutions (incl. the National Labs) has been considerable.

Research in the department and therefore overhead return to the department has remained relatively healthy. Throughout most of the past decade the departmental

overhead allocations typically fluctuated between about $160K and $190K. Starting in summer 2008, i.e. with FY09, OVPR has of course shifted to a different model of more "live" F&A distribution and "budget-only" initial allocations. Even more important is the reduction in overhead return to the units: the department now receives only 10.5% of total F&A generated, as opposed to the previous 13.2%. With this reduction our FY10 allocation was $138.3k, based on CY08 research expenditures. As of the writing of this report in mid-September 2010 we have not received our initial allocation for FY11, based on CY09 research expenditures. However, we expect an amount very similar to last year's. Considering the above-mentioned decrease in F&A share, these most recent amounts are more or less in line with other recent years. While federal stimulus money has helped here and there, the overall funding climate for most subfields of the physical sciences including astronomy remains challenging. The remaining problem of the debt of our Institute for Astrophysics (IfA), accumulated while reporting to Deans prior to Dean Dasenbrock, has not yet been addressed any further.

During calendar year 2008 somewhat serious planning had started for a (long overdue!) new building for our department, including an initial needs assessment, but short of actual detailed architectural planning. During 09/10 this process unfortunately stalled somewhat, at least partly due to remaining uncertainties about UNMH's future plans for their expansion and therefore for our current real estate. The need for a new building was one of the cornerstones of our self-study report for our recent Academic Program Review (APR), and this need was strongly re-affirmed in the final report of our visiting external review team. As of summer 2010 a new building for our department seems to have made it into the top group of UNM's major capital project needs, and there may even be some hope for a push for serious planning money to be proposed to the next UNM legislative session in early 2011. One additional ingredient that had surfaced during 08/09 was a plan for a potential parking structure on the lot that currently houses our Campus Observatory. Needless to say, a new observatory would have to be built somewhere else before the current one could be demolished. There have been no new developments related to this particular project during 09/10.

Future Plans

The aforementioned APR in February 2010 focused our attention very much on writing a self-study document, in which we carefully updated our 2004 departmental Long Range Plan, a plan which had served us rather well, for instance in faculty hiring decisions. It is fair to say that our self-study was very well received, with strong, positive comments by UNM administrators as well as by our external review team. It turns out that we had already started to tackle several of the recommendations by the review team prior to receiving their report, in some cases even by the time of their site visit in February 2010. This demonstrates that we can self-assess reasonably well, and proceed to taking the requisite actions. Of course the main ticket item of the all-important new building is not something we can pull off ourselves. The draft of our departmental response to the APR team's recommendations has been with the College of A&S since mid-July, and we're awaiting their feedback prior to having the follow-on meeting with UNM administrators.

Even in the current extraordinarily difficult financial situation we are pursuing the possibility of additional faculty hires, possibly via more targets of opportunity, for instance with our National Labs. The special case of our most recent hire, Prof. Duan, is mentioned elsewhere in this report. Replacement of our third Lecturer had remained a high priority. With the hiring of Dr. Lane (for the academic year 11/12, mentioned in the first paragraph of this report) we have succeeded. His hire was part of a retention package for his wife, who is a faculty member in Geography.

Clearly, dealing with the serious, ongoing state budget shortfalls and their implications for UNM and for our department will remain a crucial issue, even more so for FY12 than ever before.

New Appointments and Separations/Retirements/Deaths

We are particularly happy and proud to have succeeded in hiring Prof. Huaiyu Duan from Los Alamos, given the difficult financial situation. He was clearly a special target of opportunity in the following sense. His entire academic year salary plus fringe benefits will be paid for his first three years by a grant from the Department of Energy Division for Nuclear Theory, as part of a Topical Collaboration in Neutrino and Nuclear Astrophysics, involving colleagues from the LANL Division of Nuclear Theory and other academic institutions. Both LANL and DOE were also instrumental in securing start-up funding for this new faculty position.

As already mentioned, Prof. JM Geremia resigned effective January 1, 2010. Our new accountant, Lindsay Rogash, started on August 24, 2009, and our new grant support coordinator, Julie Morrison, started on May 18, 2010, replacing Monica Fishel, who separated on February 28, 2010, and moved into a position with OVPR. Virginia Bird assumed her role as CQuIC (Center for Quantum Information & Control) Program Coordinator on November 16, 2009.

With tremendous sadness did this department mourn the death (Aug. 13, 2009) of Prof. Emeritus Charles Beckel, at the age of 81. He served on our faculty from 1966 to his retirement in 1994. He was a theorist working in atomic/molecular/condensed matter physics, later on also in biophysics. Those of us who overlapped with him remember him as an excellent and dedicated teacher, a most trusted and respected faculty colleague, a sharp mind, and simply a nice and compassionate person.

Graduation Statistics

Between the summer semester 09 and the spring semester 10, the department graduated 4 BS in Physics (one female among them), one BS in Physics with Optics Concentration, 4 BS in Astrophysics (one female), 2 BA in Physics & Astrophysics, 8 MS in Physics (one female), 8 MS in Optical Sciences & Engineering (all male), 10 PhD in Physics (3 women), and 5 PhD in Optical Sciences & Engineering (1 woman). The undergraduate degree numbers are typical for us, whereas the number of graduate degrees was on the high side.

Outside Sponsored Research and Publications

Research efforts in the department remain strong. For FY10 research expenditures in the department (including Institutes and Centers housed in the department, such as the Center for Quantum Information & Control, formerly the Center for Advanced Studies, the Institute for Astrophysics, the NM Center for Particle Physics, and the Consortium of the Americas for Interdisciplinary Science) amounted to $6.0M. For comparison, the corresponding amount for FY09 was $6.6M, and for FY06 it was as high as $8.0M. The reasons for this apparent decline are not immediately obvious, but we're looking into them.

The total number of awards (including continuations, renewals, increments and supplements) received in FY10 was 34. Multiple increments or supplements during the year are not counted separately. Overall grant activity has remained healthy, considering the overall funding situation for the physical sciences.

The overhead return to the department was already mentioned in the first section of this report. Total overhead generated in FY10 was $1.41M. For the previous FY09 it was $1.44M, with very similar amounts for FY07 and FY08, whereas for FY05 and FY06 that amount was around $1.6M.

Publications in refereed journals, as well as conference contributions and proceedings, invited talks, etc. by faculty members of this department are much too numerous to list here - suffice it to say that well over one hundred papers were published in refereed journals alone.

Awards, Recognitions, Special Grants or Contracts, and Special Events

During 09/10 Prof. Harjit Ahluwalia celebrated 40 years at UNM!

The UNM College of Arts and Sciences and the College of Optical Sciences at the University of Arizona established the Center for Quantum Information and Control. CQuIC was founded on a three-year, $1.26 million grant from the National Science Foundation's Physics at the Information Frontier program.

In January Prof. Seidel was elected Vice-Chair of the 4 Corners Section of the American Physical Society. In April she received a Vietnam Education Foundation fellowship for 2010-2011. This will involve lecturing on Quantum Mechanics and Particle Physics by video from UNM and on-site at the Vietnam Academy of Science and Technology in Hanoi.

Also in April graduate student Roy Keyes was announced the winner of a contest held by AMD Corporation called "What Would You Do With 48 Cores?". His entry to the

contest was based on his research in the UNM Particle Therapy Group. The prize was a 48 core AMD server worth about $8,000., and he donated the server to UNM for research by his group.

In May our main IT staff member, Tom Hess, received the 2010 Noteworthy Technical Support Person award by Sigma Xi, the Scientific Research Society.

Also in May the College of Arts & Sciences announced Prof. Dinesh Loomba as one of three Regents' Lecturers, a recognition bestowed on junior tenured faculty members for exceptional accomplishments in the areas of teaching, scholarship and leadership in university affairs and with respect to national/international professional communities. He will serve as one of the College's Regents' Lecturers for the Fall 2010-Spring 2013 term.

Special Departmental Service & Outreach Contributions

Prof. Doug Fields served as President of the Faculty Senate during 09/10, and Prof. John McGraw continued as Co-Chair of ERAC (Executive Research Advisory Committee) within OVPR.

On August 9 Prof. Trish Henning participated in "She is an Astronomer," a free public astronomy event for girls aged 8 to 18 at the Open Space Visitor Center on Albuquerque's west side.

Our Optical Science & Engineering Graduate Program participated in the State Fair's Science and Technology Day, Celebra la Ciencia, at Expo New Mexico on Sept. 18.

As in previous years, we again participated in various UNM recruitment activities such as Senior Day, Hispanic Student Day, School-to-World Day, Star Scholar's Reception, etc. Our Campus Observatory was staffed (including one faculty member) for public night viewing every Friday evening during the academic year, weather permitting of course - a very long established tradition of our department, in collaboration with the Albuquerque Astronomical Society. In addition, we continued our tradition of Open Houses for prospective graduate students (every spring we invite the best domestic applicants, expenses paid), as well as for high school students and first or second year undergraduates already at UNM. These Open Houses include research laboratory tours and interactions with various faculty members.

ANNUAL REPORT
of the
DEPARTMENT OF POLITICAL SCIENCE
July 1, 2009 through June 30, 2010
Mark Peceny, Chair

I. SIGNIFICANT DEVELOPMENTS

A. UNDERGRADUATE PROGRAM

The department graduated 163 majors, including four students who received departmental honors: Levi Monagle was awarded *Summa Cum Laude*, John Cane and Skylar Hindi-Hubbard were awarded *Magna Cum Laude*, and Ashley Galloway was awarded *Cum Laude*. The annual commencement ceremony was held in Ballrooms B & C of the Student Union Building and attended by over 450 students and guests. Stuart Dyson, Investigative Reporter for Eyewitness News, KOB Channel 4, was the commencement speaker.

Senior honors student, John Cane, received the Clauve Outstanding Senior award. Junior Cara Valente-Compton received a Truman Scholarship, which is a merit-based award for juniors pursuing careers in government or public service. She was one of only 60 students from 54 institutions selected as a 2010 Truman Scholar.

B. GRADUATE PROGRAM

The department awarded the Doctor of Philosophy degree to John P. Todsen. The Master of Arts degree was awarded to Angelina Gonzalez-Aller and Rongal Nikora.

Yury Bosin co-authored (with faculty member Gregory Gleason) a chapter in the book *From Failing State to Functioning State: Pathways to Democratic Transformation in War-Torn Countries,* edited by Sabine Collmer, Elsevier 2009. He also published an article in *Central Asian Survey* (co-authored with Gleason and Reuel Hanks).

Kimberly Nolan-Garcia earned her PhD and is currently on the faculty at the Centro de Investigacion y Decencia Economicas (CIDE) in Mexico City.

Steve Samford won a Fulbright, an NSF Doctoral Dissertation Improvement Grant and an International Dissertation Research Fellowship from the Social Science Research Council. Thanks to this funding, he is doing field research in Mexico for his dissertation.

Awards:
Michele Leiby won the Dean's Dissertation Fellowship.

Ron Nikora won a Robert Wood Johnson Foundation Dissertation Fellowship.

Meg Edwards, Yann Kerevel and Steve Samford won PhD fellowships from the Latin American and Iberian Institute.

Four new students were admitted to our graduate program for the 2009-2010 academic year. The department currently has 2 M.A. students and 29 Ph.D. students enrolled.

C. SPEAKERS AT PROFESSIONAL CONFERENCES

Lonna Atkeson

"Assessing Data Quality Across Probability Samples: An Examination of a Post General Election Mixed-Mode (Internet and Mail) and Telephone Survey," presented at the American Association of Public Opinion Research, May 13 – 16, Chicago, Illinois, with Alex N. Adams and R. Michael Alvarez.

"Who Asks for Voter ID," presented at the Midwest Political Science Association, April 22 – 25, Chicago, Illinois, with Yann Kerevel.

"Mixed Mode (Internet and Mail) Probability Samples and Survey Representativeness: The Case of New Mexico 2008," presented at the Western Political Science Association, April 1 – 3, San Francisco, California, with Alex N. Adams.

"Elections and Happiness: The Effect of Electoral Institutions on Life Satisfaction," presented at the Western Political Science Association, April 1 – 3, San Francisco, California, with Alex N. Adams.

"Affective Attributions: Shock, Anxiety and Attribution of Blame During Crisis Events," presented at the American Political Science Association, September 2 – 5, Toronto, Canada, with Cheri Maestas.

Christopher Butler
"African Range Wars: Climate, Conflict and Property Rights," presented at 250th Anniversary Conference organized for the Royal Norwegian Society of Sciences and Letters: Climate Change and Security, Trondheim, Norway, June 21 – 24, 2010, with Scott Gates.

"Agents of Violence? Pro-Government Militias and the Violation of Human Rights," presented at workshop of the CSCW Working Group Human Rights, Governance and Conflict: The Principals and Agents of Violence, Nottingham, United Kingdom, April 29 – 30, 2010, with Sabine Carey and Neil Mitchell.

"Communal Violence and Property Rights, " presented at International tidies Association, New Orleans, Louisiana, February 17 – 20, 2010, with Scott Gates.

"Group Interactions," presented at American Political Science Association, Toronto, Ontario, September 2 – 6, 2009.

Wendy Hansen
"The Demand for Reparations: Determinants of Transitional Justice in the Aftermath of the Nepali Civil War" presented at the Annual Meeting of the American Political Science Association Conference in Toronto, Canada, September 2009, with Prakash Adhikari.

Timothy Krebs
"Television Advertising in Mayoral Campaigns," presented at the annual meeting of the American Political Science Association, Toronto, ON, Canada, September 3 – 6, with David B. Holian.

Deborah McFarlane
"Reproductive Health and the Road Back to Science," presented at the annual meeting of the American Public Health Association, Philadelphia, PA, November 2010.

Jillian Medeiros
"At the Crossroads of Reform: How Health Care and Immigration Policy Reform Impact Latino Support of President Obama and Congress," presented at the American Political Science Association 2010 Annual Meeting, Washington, DC, September 2 – 5, 2010.

"White Attitudes Toward Undocumented Immigrants, Latinos and Support for Health Care Reform Policies," presented at the Kellogg Health Scholars Program 2010 Annual Meeting, Washington, DC, June 9 – 11, 2010.

"Multi-Racial and Multi-Ethnic Attitudes Toward Health are Reform Policy," presented at the 19th meeting of the Politics of Race, Ethnicity and Immigration Colloquium (PRIEC), Stanford, Palo Alto, CA, May 7, 2010, with Gabriel R. Sanchez.

"White Attitudes Toward Undocumented Immigrants, Latinos and Support for Health Care Reform Policies," presented at the Midwest Political Science Association Meeting, Chicago, Illinois, April 25, 2010.

"White Attitudes Toward Undocumented Immigrants, Latinos and Support for Health Care Reform Policies," presented at the Southwestern Social Science Association Meeting, Houston, Texas, March 31 – April 13, 2010.

"Tough Times, Tough Choices: The Impact of Rising Medical Costs on the U.S. Latino Population's Health Care Seeking-Behaviors," presented at the Southern Economic Association Meeting, San Antonio, Texas, November 21 – 23, 2009, with R. Burciaga Valdez and Gabriel R. Sanchez.

"Steady or in Flux? Attitudinal Responses to Immigration Policy from 1900 – 2007," presented at the American Political Science Association Annual Meeting, Toronto, Canada, September 3, 2009, with Marika Dunn and Dino Bozonelos.

Juan Pablo Micozzi

"Controlando al Soberano: Impacto de la Eleccion Directa en el Senado Argentino." Conference Nuevos Estudios en Politica Latinoamericana, Universidad de Buenos Aires, June 25, 2010.

"The More Women at Work, the Sooner We Win?" Gender Quotas and Legislative Productivity in the Argentine Congress," presented at the 68th MPSA Annual National Conference, Chicago, Illinois, April 22 – 25, 2010.

"Does Electoral Accountability Make a Difference? Direct Elections, Career Ambition and Legislative Performance in the Argentine Senate," presented at the 68th Midwest Political Science Association Annual National Conference, Chicago, Illinois, April 22 – 25, 2010.

"Where's the Party" Examining Legislative Behavior through Roll-Call Analysis in the City of Buenos Aires' Legislature," presented at the 90th Annual Meeting of the Southwestern Political Science Association, Houston, Texas, April 2 – 5, 2010.

"Does Electoral Accountability Make a Difference? Direct Elections, Career Ambition and Legislative Performance in the Argentine Senate", presented at the 90th Annual Meeting of the Southwestern Political Science Association, Houston Texas, April 2 – 5, 2010.

"Importa el control electoral? Elecciones Directas, Ambicion politica u comportamiento legislativo en el Senado Argentino," presented at the International Seminar "El Poder Legislativo en Perspectiva Comparada," Salamanca Spain, December 10 – 12, 2009.

"Does Electoral Accountability Make a Difference? Direct Elections, Career Ambition and Legislative Performance in the Argentine Senate," presented at the Colloquium Speaker Series, University of New Mexico, November 27, 2009.

"Does Electoral Accountability Make a Difference? Direct Elections, Career Ambition and Legislative Performance in the Argentine Senate.", presented at the Latin American Politics Workshop, University of Houston, October 4, 2009.

"Elections in Latin America," presented at the 68th Midwest Political Science Association Annual National Conference, Chicago, Illinois, April 21 – 25, 2010.

Michael Rocca

"Understanding Congressional Verdicts on Federal Court Appointments: An Analysis of Senate Roll Call Confirmation Voting on Article III Judicial Nominations, 1953 – 2000" (with Stephen Routh), presented at the Midwest Political Science Association Annual Meeting, Chicago, IL, April 22 – 26, 2010.

"Campaign Contributions and Congressional Earmarks in the 110th Congress" (with Stacy Gordon), presented at the Midwest Political Science Association Annual Meeting, Chicago, Illinois, April22 – 26, 2010.

"The Substantive Effect of Congressional Earmarks: The Case of Health Spending." (with Gabriel Sanchez and Angelina Gonzalez-Aller), presented at the Western Political Science Association Annual Meeting, San Francisco, California, March 31 – April 2, 2010.

"Campaign Contributions and Congressional Earmarks in the 110th Congress" (with Stacy Gordon), presented at the Western Political Science Association Annual Meeting, San Francisco, California, March 31 – April 2, 2010.

Andrew Ross

"The NPR and the Contemporary Nuclear Policy and Strategy Debate," presented at Implications of the Nuclear Posture Review workshop co-hosted by the enter for Science, Technology and Policy, the New Mexico Nuclear Study Group and Sandia National laboratories, June 2, 2010, Sandia National Laboratories, Albuquerque, NM.

"New START, the Nuclear Posture Review and Nonproliferation," speaker on the panel, National Security Colloquium: Opportunities and Challenges, National Security Studies Program, University of New Mexico, April 20, 2010.

"You Say you Had a Revolution: The Nuclear Revolution Revisited," presented at the 51st Annual Convention-"Theory Versus Policy? Connecting Scholars and Practitioners"-of the International Studies Association, New Orleans, LA, February 17 – 20, 2010.

Gabriel Sanchez

"Multi-Racial and Multi-Ethnic Attitudes Toward Health Care Reform Policy," presented at Annual Meeting of the Politics of Race, Immigration and Ethnicity Conference, Stanford University, Ca, May 2010 with Jillian Medeiros.

"The Substantive Effects of Congressional Earmarks: The Care of Health Spending" presented at the Annual Meeting of the Western Political Science Association, San Francisco, Ca, May 2010 with Michel Rocca and Angelina Gonzalez-Aller.

"The Effect of Pan-Ethnic and National Origin Specific Descriptive Representation on Latino's Views of Government and of Themselves" presented at the Annual Meeting of the Western Political Science Association, San Francisco, CA, April 2010 with Jason Morin.

"An Examination of Inter-Group Attitudes Among Multiple Populations: New Trends from the Collaborative Multi-Racial Political Study," presented at the Annual Meeting of the Midwestern Political Science Association, Chicago, IL, April 2010, with Matt Barreto and Ben Gonzalez.

"The Impact of Latino's Perceptions of Competition and Commonality with Whites and African Americans on Latino Political Behavior," presented at the Annual Meeting of the Midwestern Political Science Association, Chicago, IL, April 2010, with Betina Wilkinson.

Andrew Schrank

"Private Actors and Labor Rights: A Skeptical Perspective," presented at the Fair Labor Association Stakeholder meeting on "Governance Gaps in Global Supply Chains – Can Private Actors Deliver the Public Goods?" Arnold & Porter, Washington, DC, June 17, 2010.

"Co-producing Workplace Transformation: The Dominican Republic in Comparative Perspective," presented at the HBS International Research Conference, Harvard University, May 13 – 14, 2010.

"A Developmental Agency in a Predatory State: The Ministry of Labor in the Dominican Republic," presented at the Workshop on State, Development and Global Governance, University of Wisconsin, Madison, Wisconsin, March 12 – 13, 2010.

"Fiscal Responsibility Laws in the Developing World: Origins and Implications," presented at the Society for the Advancement of Socio-Economics, Paris, France, July 17, 2009. Featured Panel: "Dynamics of Finance Capital."

"Labor Law Enforcement in Latin America: European Models, US Influence and Local Outcomes." Plenary address to the Regulating Decent Work Conference, International Labour Organization, Geneva, Switzerland, July 8, 2009.

"Author meets Critics" Glenn Morgan et al, Oxford Handbook of Comparative Institutional Analysis (2010)," presented at the22nd Annual Meeting of the Society for the Advancement of Socio-Economics (SASE), Philadelphia, Pennsylvania, June 24, 2010. Panelist.

"Relational Work in Economic Sociology." University of California, Davis, May 1, 2010. Discussant.

"Development and Social Inequality." 104th Annual Meeting of the American Sociological Association, San Francisco, California, August 10, 2009. Discussant.

Christine Sierra
"Gender and Latino Politics," presented at Short Course on Latino Politics, Annual Meeting of the American Political Science Association, Toronto, Ontario, Canada, September 2, 2009.

"How *Do* We Get Along? Linked Fate, Political Allies, and Issue Coalitions," co-authored with Dianne M. Pinderhughes, Pei-te Lien and Carol Hardy-Fanta, presented at the Annual Meeting of the American Political Science Association, Toronto, Ontario, Canada, September 2 – 6, 2009.

E. INTERNSHIPS
Ten outstanding undergraduates were selected as Fred Harris Congressional Interns, and sent to Washington, DC, during the academic year. Robert Alanis, Mary Carmody, Brett Crader, Jordan DiMaggio, Laura Finley, Matt Munoz, Zoe Riebli, Awesta Sarkash, Chelsea Stallings and Terri Zuniga.

Eleven undergraduate students were selected to serve one-week internships during the 2010 New Mexico Legislative session, working as junior professional staff assigned to individual legislators. Under the direction of Dr. Lonna Atkeson, the Legislative Internship Program provides a unique opportunity for our students to observe the policy-making process and for UNM to showcase our students to the Legislature.

Twenty-eight undergraduates were placed as interns in public agencies, political campaigns, office of elected officials, and voluntary organizations. Under the direction of Dr. Ellen Grigsby, the program gives students practical experience in the application of political science theories while receiving course credit.

Deborah McFarlane has two pilot projects for interns. The New Mexico Department of Health, undergraduate public health policy internships (5 students placed in summer 2010). Planned Parenthood of New Mexico, undergraduate and graduate internships in reproductive health policy (2 students placed in summer 2010).

F. SCHOLARSHIPS AND FELLOWSHIP AWARDS
The department awarded nine undergraduate scholarships and three graduate research fellowships this year.

G. RESEARCH CONTRACTS AND GRANTS
The department's total in active and pending contracts and grants is $590,538 including on-going studies funded by the National Science Foundation, PEW Charitable Trusts, and the Robert Wood Johnson Foundation.

H. FACULTY HONORS AND APPOINTMENTS
Lonna Atkeson was awarded "Outstanding Initiative in Promoting Election Integrity" presented by Verified Voting New Mexico and United Voters of New Mexico.

Wendy Hansen was the recipient of an Office of Graduate Studies Faculty Mentor Award for exceptional service and excellence in mentoring graduate students.

Juan Pablo Micozzi was selected for Best Paper at the International Conference "El Poder Legislativo en Perspectiva Comparada," Salamanca, Spain, December 2009.

Michael Rocca earned the Award for Teacher Excellence, College of Arts & Sciences, 2010.
Nominated for Outstanding New Teacher of the Year Award, 2010
Inductee for Phi Kappa Phi Honor Society, 2010

Gabriel Sanchez received the "Luminaria" UNM Presidential Award for Commitment to Diversity. Gabriel also received the Best Paper on State Politics and Policy from the American Political Science Association

Andrew Schrank won Best Article Award from the American Sociological Association PEWS section.

II. SIGNIFICANT PLANS

A. CURRICULUM DEVELOPMENT

B. RECRUITMENT

Political Science successfully increased the strength of its faculty minority representation with the hiring of Jillian Medeiros who joined the faculty as an Assistant Professor.

III. APPOINTMENTS TO FACULTY/STAFF

Diana Gourlay, Department Administrator
Mala Htun, Visiting Associate Professor
Jillian Medeiros, Assistant Professor, Senior Fellow of Robert Wood Johnson Foundation Center for Health Policy
Andrew Schrank, primary appointment as Associate Professor in Political Science with secondary appointment in Sociology

IV. SEPARATIONS OF FACULTY/STAFF

Gregory Gleason was on leave without pay while teaching at the George C. Marshall European Center for Security Studies near Munich, Germany.
Joann Buehler left to take a position at the College of Education.
Beth Leahy resigned to do graduate student teaching.

V. PUBLICATIONS

Atkeson, Lonna

Atkeson, Lonna Rae, Lisa Bryant, Thad Hall, Kyle Saunders and R. Michael Alvarez. 2010. "New Barriers to Voter Participation: An Examination of New Mexico's Vote Identification Law." *Electoral Studies,* 29(1):66-73.

Atkeson, Lonna rae and Cherie Maestas. 2009. "Meaningful Participation and the Evolution of the Reformed Presidential Nominating System," *PS: Political Science & Politics,* 42(1):59-64.
Reprinted in *Current Controversies: Federal Elections,* Volume 1, Gale/Cengage Learning (Greenhaven).

Rapoport, Ronald, Ira Allman, Daniel Maliniak, Lonna Rae Atkeson. 2010. "Internet-ilization of American Parties: The Implications of the Unity 08 Effort," in *The State of the Parties,* 6th edition, edited by John Green, Boulder: Roman and Littlefield.

Atkeson, Lonna Rae. 2010. "The State of Survey Research as a Research Tool," in *Oxford Encyclopedia of American Elections and Political Behavior,* edited by Jan Leighley, Oxford: Oxford University Press.

Atkeson, Lonna Rae. 2010 "Voter Decision-Making on the Heels of Iowa." In *The Rise of the West*, eds. David Patton and Jennifer L. Robinson. Salt Lake City: University of Utah.

Atkeson, Lonna Rae and Cherie D. Maestas. 2009. "Race and the Formation of Attitudes: Responses to Hurricane Katrina," in *Understanding Public Opinion,* 3rd Edition, edited by Barbara Norrander and Clyde Wilcox. Washington, DC: Congressional Quarterly Press.

Adams, R. et al. 2009. Statement to the National Institute of Technology regarding Voluntary Voting Standard Guidelines in relation to post-election audits, October 2009, available at:
http://www.amstat.org/outreach/electionauditingresurces.cfm.

Atkeson, Lonna Rae, Matt A. Barreto, Lorraine C. Minnite, Jonathan Nagler, Stephen A. Nuno and Gabriel Ramon Sanchez. 2009. *Amicus Curae Social Science Brief to the Indiana Supreme Court,* League of Women Voters of Indiana and Leagues of Women Voters of Indianapolis v. Todd Rokita.

Atkeson, Lonna Rae, Alex Adams, Lisa Bryant, Angelina Gonzalez-Aller, Willard Hunter, Yann Kerevel, Kimberly Proctor, Lisa Sanchez and Lori Tafoya. 2010. "The City of Albuquerque 2009 Mayoral Election Administration Report," University of New Mexico.

Atkeson, Lonna Rae, R. Michael Alvarez, Thad E. Hall. 2010. "Assessing Electoral Performance in New Mexico Using an Eco-System Approach," University of New Mexico.

Butler, Christopher

Butler, Christopher and Scott Gates, 2009. "Asymmetry, Parity and (Civil) War: Can International Theories of Power Help Us Understand Civil War". *International Interactions,* 35(3): 330-40.

Grigsby, Ellen

Analyzing Politics: An Introduction to Political Science. Belmont, CA: Cengage/Wadsworth, Fifth Edition, Forthcoming 2011.

Krebs, Timothy B.

Krebs, Timothy B., and John P. Pelissero. 2010. "What Influences City Council Adoption and Support for reinventing Government? Environment or Institutional Factors?" *Public Administration Review,* 70:258 – 267.

Krebs, Timothy B and David B. Holian. 2009. "Urban Managers and Public Policy: Do Institutional Arrangements Influence Decisions to Initiate Policy?" *Urban Affairs Review,* 45:391 – 411.

McFarlane, Deborah

Nikora, Rongal D. and Deborah R. McFarlane. Closing the Gap in a Generation: Health Equity through Action on the Social Determinants of Health by World Health Organization, *Journal of Health Politics, Policy and Law,* June.

Micozzi, Juan Pablo

Micozzi, Juan Pablo. "Al final, toda politica es local? Reflexiones breves sobre el Congreso Nacional." 2010. *Revista Espacios Politicos,* Nr. 6, Buenos Aires, Argentina, pp. 26 – 27.

Micozzi, Juan Pablo. "Carreras politicas y ambicion multinivel." *Revista El Estadista,* Nr. 1 Vol. 1, pp. 13 – 14.

Micozzi, Juan Pablo. "Ambicion y Performance legislative en el Congreso Nacional." 2009. In VV.AA., Nuevos estudios sobre el Poder Legislativo, Buenos Aires, Argentina: SGP/SsGE, pp. 53 – 62.

Peceny, Mark

Peceny, Mark and William Stanley. "Counterinsurgency in El Salvador." *Politics and Society,* 38(1), pp. 67 – 94, March 2010.

Powers, Kathy

Powers, Kathy L. and Gary Goertz. "The Economic-Institutional Construction of Regions: Conceptualization and Operationalization." *Review of International Studies,* 2010

Rocca, Michael S.

Rocca, Michael S. "9/11 and Presidential Support in the 107th Congress. *Congress and the Presidency.* 36: 272-295, 2009

Rocca, Michael S. and Stacy Gordon. "The Position Taking Value of Bill Sponsorship in Congress." *Political Research Quarterly,* 63: 387-397. 2010.

Ross, Andrew

Ross, Andrew and Peter Dombrowski. "The Revolution in Military Affairs, Transformation and the U.S. Defense Industry." In Richard A. Bitzinger, ed., *The Modern Defense Industry: Political, Economic and Technological Issues,* Santa Barbara, CA: Praeger Security International, 2009, pp. 153 – 174.

Ross, Andrew. "Global Governance, Security Governance and an Imperious United States,"in Charlotte Wagnusson James A. Sperling and Jan Hallenberg, eds, *European Security Governance: The European Union in a Westphalian World* , London and New York: Routledge, 2009, pp. 79 – 93.

Sanchez, Gabriel R.

Lavariega-Monforti, Jessica and Gabriel R. Sanchez. "The Politics of Perception: An Investigation of the Presence and Source of Perceived Discrimination toward and Among Latinos." *Social Science Quarterly,* 90(1), p. 245 – 265, March 2010.

Sanchez, Gabriel R. and Amy Sue-Goodwin, Amelia Rouse and Richard Santos. "The Impact of Ethnicity on Attitudes Toward Health Care Reform in New Mexico." *The Social Science Journal,* 47(2), pp. 326 – 343, March 2010.

Sanchez, Gabriel R and Jillian Medeiros. "Latinos Views on Health Care Reform in the Midst of the Historic Congressional Debates of 2009. Policy brief of the Robert Wood Johnson Foundation Center for Health Policy of the University of New Mexico, December 2009.

Rocca, Michael, Gabriel Sanchez and Joe Uscinski. "Congressional Behavior on Darfur." *Political Science and Politics,* 42(3), pp. 489 – 496, July 2009.

Schrank, Andrew

Schrank, Andrew. "The Sociology of Development and the Development of Sociology." *Sociological.* 2010.

Schrank, Andrew and Cheol-Sun Lee. "Incubating Innovation or Cultivating Corruption? The Developmental State and the Life Sciences in Asia." *Social Forces*, 88(3) 2010.

Schrank, Andrew and Josh Whitford. "Industrial Policy in the United States: A Neo-Polanyian Interpretation." *Politics & Society,* 37(4) 2009.

Schrank, Andrew and M. Victoria Murillo. "Labor Organizations and their Role in the Era of Political and Economic Reforms." Pp. 247 – 68 in Carlos Scartascini, Ernesto Stein and Mariano Tommasi, eds., How Democracy Works: Political Institutions, Actors and Arenas in Latin American Policymaking. Cambridge: Harvard University Press, 2010.

Sierra, Christine,

Sierra, Christine, Jocelyn Jones Evans and Clodagh Harris. "2009 APSA Teaching and Learning Conference Track Summaries: Graduate Education and Professional Development." *PS: Political Science & Politics,* 42(3) (July 2009): 580 – 581.

"Latinas and Electoral Politics: Movin' on Up," in *Gender and Elections,* 2nd edition. Edited by Susan J. Carroll and Richard L. Fox. Cambridge: Cambridge University Press, 2009, pp. 144 – 164.

"Hispanic Politics in a Battleground State: New Mexico in 2004," in *Beyond the Barrio: Latinos in the 2004 Elections.* Edited by Rodolfo O. De la Garza, Louis DeSipio and David L. Leal. South Bend, IN: University of Notre Dame Press, 2010, pp. 97 – 130, with F. Chris Garcia.

Stanley, William

Stanley, William and Mark Peceny. "Counterinsurgency in El Salvador," *Politics and Society,* 38(10),March 2010, pp. 67 – 94.

VI. NOTEWORTHY OUTSIDE PROFESSIONAL ACTIVITIES OF FACULTY

Department editorial board memberships

Journal of Political Science
Journal of Politics
State Politics and Policy Quarterly
Urban Affairs Review

Served as officers or members of key committees in national or regional professional organizations

Lonna Atkeson
Director, Center for the Study of Voting, Elections and Democracy, University of New Mexico
Director, Legislative Internship Program, Fall 2005 – present.
Long Range Planning Committee, Society for Political Methodology

Ellen Grigsby
Board of Directors, Western Association of Pre-Law Advisors. 2001- Present

Deborah McFarlne
Publications Board, American Public Health Association (appointed)

Andrew Schrank
Co-chair, Economics and Politics, Latin American Studies Association (LASA)
Council member, Labor and Labor Movements, Latin American Studies Association (LASA)
Council member, SASE
Selection committee member, International Dissertation Fellowship Program, Social Science Research Council
Research Director, Dissertation Proposal Development Fund, Social Science Research Council
Faculty facilitator, International Dissertation Fellows' Conference, Memphis, Tennessee, October 15 – 20, 2009, Social Science Research Council
Selection committee member, Dissertation Proposal Development Fund, Social Science Research Council

Selected invited presentations by faculty

Lonna Atkeson
"Who is Asked and Who Asks for Voter ID," UT – Pan Am, April 29, 2010.

"How Crisis Shapes Attitudes: Hurricane Katrina, External Efficacy and Public Confidence in Government," Visions in Methodology Conference, University of Iowa, Iowa City, Iowa, March 18 – 20, 2010 with Cherie Maestas.

"New Mexico Politics," US State Department, A Discussion with Foreign Journalists, Albuquerque,NM, January 26, 2010.

"Election Auditing and Statistics," American Statistical Association, Washington, DC, October 23 – 24, 2009.

Timothy Krebs
Business Advocacy and Government Relations Planning Council of the Greater Albuquerque Chamber of Commerce, October 13, 2009. Title: "Albuquerque's 2009 Election."

Andrew Ross
Invited project participant (funded), Nuclear Futures Project, a collaborative effort between the Johns Hopkins University Applied Physics Laboratopry (KHU/APL), the Paul H. Nitze School of Advanced International Studies and the Zanvyl Krieger School of Arts and Sciences, October 28 – 29, September 29 – October 1, August 19 – 21, 2009 workshops. Provided a presentation on "The Role of Nuclear weapons in the Cold War" for August 19 – 21 workshop.

Invited participant (funded), "Advanced Science Research Requirements Workshop: Science to Support Verification and Compliance in Potential Mid- to Long-Range Treaty Regime Developments," Defense Threat Reduction Agency, Department of Defense and Bureau of Verification, Compliance and Implementation, Office of Technology and Assessments, Department of State, Lorton, VA, April 15 – 16, 2010.

Invited participant (funded), book workshop, "On Nuclear Warfare in the 21st Century," USAF Institute for National Security Studies, Arlington,VA, May 20, 2010. Provided presentation on "Limited Nuclear War Revisited.

Other professional activities off-campus or community and public service

Lonna Atkeson

National Public Radio, All Things Considered, June 8, 2010
PBS Interview, In Focus New Mexico Politics, January 8, 2010
Grant Referee, Time Sharing Experiments for the Social Sciences
Manuscript Referee
American Political Science Review
American Journal of Political Science
American Politics Quarterly
American Politics Review
British Journal of Politics
Electoral Studies
Gender and Politics
Journal of Elections, Public Opinion and Parties
Journal of Politics
Journal of theoretical Politics

Christopher Butler

Reviewer
American Political Science Review
American Journal of Political Science
Conflict Management and Peace Science
International Organization
International Studies Quarterly
Political Science Quarterly
Legislative Studies Quarterly
Perspectives on Politics
Policy Studies Journal
Political Analysis
Political Behavior
Political Research Quarterly
Politics and Policy
Social Science Quarterly
Southeastern Political Review
State Politics and Policy Quarterly
Women and Politics

Timothy Krebs

Chair and Discussant, "Drawing on Social Capital in City Governance" (Panel46-7), annual meeting of the Midwest Political Science Association, Chicago, Illinois, April 22 – 25, 2010.

Juan Pablo Micozzi

Reviewer
American Journal of Political Science
Legislative Studies Quarterly
Comparative Political Studies British Journal of Political Science
Publius: The Journal of Federalism
Revista Chilena de Ciencia Politica

Mark Peceny

Chair
University Ministry Advisory Council, St. Thomas Aquinas Newman Center

Board of the Albuquerque Committee on Foreign Relations
Treasurer, Board of Friends of the Children of El Salvador
Director, St. Thomas Aquinas Newman Center 9:30 am Choir

Andrew Ross

Co-organizer, "Implications of the Nuclear Posture review workshop, co-hosted by the Center for Science Technology and Policy, the New Mexico Nuclear Study Group and Sandia National Laboratories, June 2, 2010.

Chair and organizer of panel on "Future Nuclear Policy, Strategy and Forces," for the 51st Annual Convention – "Theory Versus Policy? Connecting Scholars and Practitioners" – of the International Studies Association, New Orleans, LA, February 17 – 20, 2010.

Chair and organizer of roundtable on "Nuclear Policy, Strategy and Forces," International Security Studies Section (ISSS) of the International Studies Association and International Security and Arms Control Section(ISAC) of the American Political Science Association Conference on "Insecurity and Durable Disorder: Challenges to the State in an Age of Anxiety," sponsored by the Naval Postgraduate School and James Martine Center for Nonproliferation Studies, Monterey, CA, October 15 – 17, 2009.

Christine Sierra

Film Advisory Board member, Chicanas at Stanford: Opportunity and Change in America," CBS/KCBS, Los Angeles
Immigration Policy Roundtable, co-sponsored by the Kenan Institute for Ethics at Duke University and the Brookings Institution, invited participant
Panelist, Characters Unite National Town Hall with Tom Brokaw (moderator), sponsored by USA Television Network, Washington, DC, December 2, 2009.
Named to the Hispano Advisory Board, First Congressional District, to advise Martin Heinrich, Member of Congress, on Hispanic issues and concerns and to make policy recommendations
Manuscript Reviewer, Political Research Quarterly
American Political Science Association
Trust & Development Board of Trustees, member, 2008 – 2010
Teaching & Learning Conference Program Committee, 2008 – 2010
2009 Teaching and Learning Conference, track moderator

Media Interviews

Heath Haussaman. "Citing Family Concerns, Greg Zanetti Withdraws from Guv Race." *The New Mexico Independent,* July 17, 2009.
http://newmexicoindependent.com/27531/enough-is-enough-on-credit-abuses-obama-tells-nm-audience

Heath Haussamen. "Women Dominate Governor's Race, at Least for Now." Heath Haussamen on New Mexico Politics Blog. August 3, 2009.
http://haussamen .blogspot.com/2009/08/women-dominate-governors-race-at-least-html

Interview on Immigration in New Mexico and Arizona S.B. 1070. *UNM Live* (Audio Podcast), University of New Mexico, May 4, 2010.
http://www.youtube.com/watch?v=JVFI-w7Aa9U

Deborah Baker. "Charges Fly in Appeals Court Race." *Albuquerque Journal,* May 23, 2010.
http://www.abqjournal.com/news/state/2323158stte05-23-10.htm

Tracy Dingman. "Anchor Baby' Legislation Doesn't Have a Chance." *Clearly New Mexico.* June 18, 2010.
http://www.clearlynewmexico.com/?p=4293#more-4293

Ben Neary. "Sons of Famous Fathers Seek Office Around the West." (Eureka and Northern California) *Times-Standard,* March 27, 2010.
http://wwwtimes-standard.com/statenews/ci_14770137

Also appeared in *The San Jose Mercury News,* March 27, 2010.

http://www.mercurynews.com/breaking-news/ci_1470137?source=email

Randal C. Archibold. "Side by Side, but Divided over Immigration." *The New York Times,* May 11, 2010. http://www.nytimes.com/2010/5/12/us/12newmexico.html?hp

Raisa Camargo. "Susan Martinez May Become Nation's First Latina Governor." *Hispanic Link,* June 21, 2010. Hispanic Link News Service, Column No. 4925. http:www.hispaniclink.org/Hispanic_Link/English_2html

Panelist, Characters Unite National town Hall with tom Brokaw (moderator), sponsored by USA Television Network, Washington DC, December 2, 2009.

Immigration issues in the 2010 NM primary election for Governnor. Radio interview. *Nuestra America,* KSFR-FM Public Radio, Santa Fe, New Mexico, May 30, 2010. http://www.somosunpueblounido.org/radioarchives.php

Special Guest/Analyst, 2010 New Mexico Primary Election for Governor, *IN FOCUS/THE LINE,* KNME TV-5 (PBS), June 4, 2010.

Stuart Dyson, Resignations from Gov. Richardson's Cabinet, KOB-TV eyewitness News 4, June 17, 2010.

Stuart Dyson, Martinez Denies Internet Blog Claims." KOB-TV Eyewitness News 4, June 18, 2010. http:www.kob.com/article/stories/S1614407.shtml?cat=513 http://www.kob.com/article/Pstories/S1614407.shtml

Served on departmental, college, or university committees or held administrative positions outside the department

Lonna Atkeson
PhD Dissertation Committee
Kim Proctor , Janet Box-Steffensmeier ICPSR Summer Fellowship Award, 2010
Lisa Bryant, Chair
Yann Kerevel, Co-Chair, IFES Fellowship, Summer 2009
Prakash Adhikari
Justin Delacour, Chair
Undergrad Honors Thesis
David Odegard, Chair

Christopher Butler
PhD Dissertation Committee
Philip Hultquist, Chair
Michele Leiby, Co-chair
Field Paper Advisement
Ben Bonin, Committee member
Bachelor's Honors Advisement
Jessica Andrews
Simon Ejdemyr
Faculty Senate Curricula Committee, Member
Faculty Senator
UNM Chapter of Phi Kappa Phi, President
National Study Abroad Selection Committee for Phi Kappa Phi, Chair

Ellen Grigsby
Pre-law Advisor
Truman Scholarship Committee

Timothy Krebs

Graduate Advisor
PhD Dissertation committee
Lisa Bryant
John Todsen

Juan Pablo Micozzi
Fellowships and Grants Committee, Latin American and Iberian Institute
Library Committee, Faculty Senate
PhD Dissertation Committee
Yann Kerevel , co-chair
Grant Burrier
Undergrad Honors Thesis
Jessica Corso, thesis supervisor

Mark Peceny
PhD Dissertation Committee
Kimberly Nolan Garcia, Chair
Nick Rowell, Chair
James Timberlake, Chair
Tury Bosin, Chair
Oraz Kichiyev, Chair
Grant Burrier, Chair
AlbertPalma, Chair
John Todsen
Justin Delacour
Philip Hultquist
Ben Bonin
Steve Samford

Michael Rocca
PhD Dissertation Committee, JohnTodsen
Bachelor's Honors Advisement
Anderson Hatfield, Seniors Honors Thesis on Immigration and Social Security
Awesta Sarlasj, Senior Honors Thesis on Polarization in Congress
Ashley Galloway, Senior Honors Thesis on Media Effects
John Cane, Senior Honors Thesis on Political Participation
Levi Monagle, Senior Honors Thesis on Third Parties

Andrew Schrank
Interim DGS in Sociology
LAII Executive Committee member
ICLAS member

Christine Sierra
UNM forum on "The Dream Act," panelist and moderator, co-sponsored by LULAC-UNM and other UNM student organizations, May 5, 2010.
Political Archives, Ad-Hoc Task Force, University Libraries

William Stanley
Acting Chair, Political Science
Political Science Graduate Committee
Political Science Undergraduate Committee
Interdisciplinary Committee on Latin American Studies
President's Task Force on Faculty Retirement
PhD Dissertation Committee
Steve Samford, Co-chair
Meg Edwards, Chair

Matt Ingram, Chair
Michele Leiby, Co-chair
Prakash Adhikai, Member
Nick Rowell, Member
Felipe Wilson,

VII. SPONSORED RESEARCH

Wendy Hansen
Robert Wood Johnson Foundation Center for Health Policy, Co-PI, $22,838, Understanding the Social Costs of Natural Disasters: A Study of the Impact of Hurricane Katrina, with Alok Bohara.

Timothy Krebs
Research Allocation Committee Grant, $4,000

Jillian Medeiros
Robert Wood Johnson Foundation Center Faculty Research Grant, $10,000, An Assessment of Latino Public Opinion Toward Health Care Reform During the Congressional Debates of 2009.

Juan Pablo Micozzi
Feminist Research Institute
Faculty Field Research Grant, Latin American and Iberian Institute

VIII. OUTSIDE-SPONSORED RESEARCH

Lonna Atkeson
JEHT and Pew Charitable Trusts, Center on the States, Make Voting Work Initiative: "Assessing Electoral Performance in New Mexico using an Eco-System Approach." ($186,000)

Andrew Ross
USAF Institute for National Security Studies, "Limited Nuclear War Revisited" ($22,000)

Andrew Schrank
National Science Foundation, Program in the Science of Science and Innovation Policy, "Government Responses to Network Failures: The Case of the Manufacturing Extension Partnerships," 2010 – 2012. Collaborative research with Josh Whitford, Columbia University ($600,482; UNM share $321,394).

Russell Sage Foundation, "Working Group on Labor Standards and Migration,"2009 – 2010. Co-sponsored with Michael Piore, Massachusetts Institute of Technology, and David Weil, Boston University ($7,380).

ANNUAL REPORT – Academic Year 2009-2010

DEPARTMENT OF PSYCHOLOGY

Jane Ellen Smith, Chair

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A. Departmental Administration and Structure

The Department continued with the administrative structure adopted in 1995. **Jane Ellen Smith** completed her second year as chair on July 31, 2010. The Department's major administrative advisement committee, the Policy and Planning (P & P) Committee, consisted of the Department Chair, the Associate Chair for Graduate Education (**Tim Goldsmith**), the Associate Chair for Undergraduate Education (**Gordon Hodge**), and the heads of the Department's four areas of study. The returning Area Heads were: Cognition, Brain, Behavior (**Vince Clark**), Evolutionary/Developmental (**Steven Gangestad**), Clinical (**Sarah Erickson**) and Health Psychology (**Angela Bryan**). **Harold Delaney** continued to represent the Quantitative Area, as it still has several graduate students finishing their degrees. CASAA's director, **Barbara McCrady**, was represented on the P & P Committee as well. The remaining departmental committee assignments may be found in Appendix A.

UNM-MIND Research Network Relationship

As anticipated in last year's report, a Memorandum of Understanding (MOU) between UNM and the Mind Research Network (MRN) was finalized and signed (July 2009) in an effort to facilitate collaborative work and enable us to recruit top researchers in the neuroscience area. One outcome of this agreement is that it basically allows the Psychology Department (and the dean) to receive some compensation from MRN for the fact that the grants of the joint MRN-UNM faculty hires primarily are run through MRN. We thank **Mike Dougher** and **Kent Hutchison** for all of their work in getting this MOU completed.

Foundation Support

The Department benefited again this year from the Quad-L Trust, which was endowed through the UNM Foundation by the late Professor Emeritus **Frank Logan**. The Quad-L Library supported by this Trust not only facilitates the study of the psychology of learning, but also provides a meeting place for students' defenses of their graduate degrees. **Derek Hamilton** serves as faculty advisor for the Quad-L Library. The main Quad-L speaker for the year was **Dr. William Timberlake,** Professor of Psychology and Brain Sciences, Indiana University. For the first time we welcomed a second Quad-L speaker within an academic year; a more junior researcher. This individual, Dr. Jon Maner, is an Associate Professor at Florida State (see Appendix B).

The Psychology Department also continued to reap the benefits of a trust established by the late Emeritus Professor **Robert G. Grice**. These funds are divided into 5 categories: (1) a library fund (to support the growth and development of our students as researchers), (2) a colloquium series (to bring in external speakers who are likely to collaborate on research projects), (3) psychology graduate student support (primarily to help cover the tuition of students who are not otherwise covered as part of their support), (4) graduate fellowships in psychology (to recruit outstanding students for the graduate program in psychology), and (5) research enhancement for faculty projects (to allow for the generation of pilot data for grant applications and to provide matching funds for grants). During this third year we accessed money in the first three

categories. The computer library that was supported by money in category #1 became functional in Spring 2009. The library houses 16 state-of-the-art computers for use by graduate students and honors students.

Upcoming Remodel: Clinical Neuroscience Center

Logan Hall will receive a major remodel on the second floor starting Spring 2011. The department responded to the federal request for proposals as part of the Recovery Act Limited Competition: Core Facility Renovation, Repair, and Improvement. We submitted our proposal to NIH in September 2009, and received the news in May 2010 that we were being funded – for almost $5 million. The abstract for the proposal is below:

"The University of New Mexico (UNM) requests funding to renovate the Psychology Department's 9,363 square foot outdated neuroscience research space into a state-of-the-art Clinical Neuroscience Core (CNC) facility. Based on research interests, 72% of the department's faculty will benefit directly from the renovation. Specific Aims are: 1) to consolidate and upgrade the clinical neuroscience research facility and thereby support the highest quality NIH-funded research. This new shared research environment will house the currently independent laboratories and contain updated equipment and IT capabilities; 2) to facilitate the development of new NIH-funded research programs and early stage investigators. The CNC will consist of renovated clinical neuroscience labs (Pediatric and Adult EEG, Transcranial Stimulation), imaging and data analysis centers with high-speed IT links to collaborating institutions such as the Mind Research Network (MRN), neuropsychological testing rooms, collaborative/ computerized work areas, a server room, and secure data storage. The CNC will include the state's only system for stereotactic transcranial magnetic stimulation (TMS) with a TMS-compatible EEG. Importantly, the CNC will support the integration of MRN's neuroimaging and genetic data with CNC data, thereby offering researchers access to vast amounts of shared data across studies, modalities, sites, and disciplines. New opportunities for synergy and collaboration will result between seasoned and new investigators. This 26-month renovation will cost $5.5 million. UNM is one of two universities designated as both a Carnegie Research University with Very High Research Activity and a Hispanic-serving Institution. The psychology faculty and affiliated collaborators hold 27 active grants and contracts totaling $9,352,426 annually."

Although a number of faculty played critical roles in preparing this proposal, the chair wants to extend special thanks to **Kent Hutchison, Vince Clark, Kent Kiehl,** and **Claudia Tesche**.

B. Faculty

Faculty Hires

We were extremely fortunate to be able to hire **Dr. Jacob M. Vigil** as an Assistant Professor this past year. His first semester is Fall 2010. Dr. Vigil, a native of Albuquerque, graduated from UNM in 2001 with a bachelors degree in psychology. He went to graduate school at the University of Missouri - Columbia and received his Ph.D. in 2007. His first academic job was at the University of North Florida, where he served as an Assistant Professor for 3 years.

Dr. Vigil's theoretical interests lie in the evolution and development of verbal and nonverbal behaviors, emotion, stress reactions, moral systems, and pain. His applied research focuses on how biological conditions (e.g., age and sex), individual life experiences, and social situational factors affect the manner and degree to which children and adults experience pain. He also studies developmental risk factors for psychological distress among children and families that have experienced significant stressors in their lives. His research has been featured in numerous scientific journals and popular media such as *Behavioral and Brain Sciences* and *Scientific American.*

Jacob will be part of both our Evolution/Development and Health Psychology areas. His first teaching assignment will be a large undergraduate course in Human Sexuality.

We had hoped to hire a joint MRN-UNM professor this past year as well. A search was conducted and an offer was made, but the candidate accepted an offer from another university. As we prepared to make a second offer, the search was terminated due to new budgetary concerns.

Promotions

Dr. Derek Hamilton (Cognition, Brain, & Behavior), who was hired as an Assistant Professor in the Psychology Department in 2005, was awarded tenure and promoted to Associate Professor a year early. Dr. Hamilton's research focuses on utilizing basic behavioral, pharmacological, anatomical, physiological, and computational methods to investigate the psychological and neurobiological foundations of learning, memory and behavior.

Dr. Bruce Smith (Clinical) was hired as an Assistant Professor in the Psychology Department in 2004. He was awarded tenure and promoted to Associate Professor. Dr. Smith's research and teaching focuses on the psychological factors that may increase resilience to stress and improve health and well-being. These factors include emotion regulation, mindfulness meditation, meaning and purpose in life, spirituality and religion, and the ability to find benefits in and grow through stressful experiences.

Dr. Elizabeth Yeater (Clinical), who was hired as an Assistant Professor in the Psychology Department in 2003, was awarded tenure and promoted to Associate Professor this year. Dr. Yeater's research program attempts to understand the processes involved in the sexual victimization of women. In short, she conducts basic research on risk factors that increase the probability that women will be assaulted, with the goal being to use this information to inform the development of programs aimed at preventing sexual victimization.

Another great year for promotions - *Congratulations everyone!*

Additional Significant Faculty Contributions for the Year

As part of the Psychology Department Graduation Ceremony again this year, each faculty member was recognized for at least one significant contribution to the department. In preparation, faculty were asked to specify what they believed to be their main contributions for

the year. These contributions (including the superlatives added by the chair), were recognized at the ceremony. Faculty also were encouraged to mention some of the "funnier" accomplishments/ experiences of the year as well:

Angela Bryan:

- Started work on her new $2.3 million grant: Alcohol/marijuana & risky adolescent sexual behavior: Group interventions with detained adolescents.
- Ran in the "World's Toughest 10K" – Sandia Resort at I-25 up to the tram.

Karin Butler:

- Developed a new lab course on Human Learning and Memory.
- Successfully passed mid-probationary review.

Vince Clark:

- Discovered that a small electric current passed through the brain can double the amount of learning. The word is out – because suddenly everyone wants to be a subject in his lab's studies.

Harold Delaney:

- Served his 25th year coordinating the Psychology Honors Program.
- His co-edited book, *Judeo-Christian Perspectives on Psychology: Human Nature, Motivation, and Change* published by APA has been re-released in a second printing.
- He celebrated both his 40th wedding anniversary (with his wife Nancy), and the birth of his grandson, Jonah David.

Mike Dougher:

- Completed another year as UNM's Associate Vice President for Research.
- Played a critical role in drafting an MOU between MRN and UNM that allows us to recruit excellent faculty in the neuroscience area.
- Once again was a great advocate in higher administration for Psychology.
- Greatest accomplishment? None of his graduate students got arrested this year.

Sarah Erickson:

- Published multiple new papers about children: examining quality of life in children with traumatic brain injury, and looking at school re-integration programs for children with leukemia.
- As our Director of Clinical Training: helped set up experiences for our graduate students to do evaluations in the prisons.
- Funny experience this year: when she was working with a student who did not do so well in a child psychology course, the student explained: "I thought I would do OK without studying..... because I was a kid once."

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Derek Hamilton:

- Won the College of Arts & Sciences Teacher of the Year award.
- During the Spring semester alone he taught more than 500 students in his two classes (Brain & Behavior and Learning & Memory).
- He went up for tenure and promotion review a year early.

Gordon Hodge:

- Was nominated for both the Teacher of the Year (TOYA) award and the online TOYA.

Barbara McCrady:

- Played a major role planning a National Institute on Drug Abuse (NIDA) Blending Conference held in ABQ in April 2010; a conference at which over 1300 people attended. She presented a keynote address on women and addictions.
- Participated in a unique panel at the Association for Behavioral and Cognitive Therapies (ABCT) that discussed the challenges women face as academic professionals. She described it as; "emotional, inspirational, and depressing to realize you were old enough to be on such a panel."
- Greatest pleasure: rode in her 1st horse show since she was 13; won several ribbons despite the fact that her horse cried/whinnied through every event.

Theresa Moyers:

- Was chosen as a Distinguished Lecturer by Brown University's Center on Alcohol and Addiction Studies; the tribute included her giving a colloquium and meeting with faculty in the substance abuse research center.
- Survived her first time teaching the huge (265 students) Abnormal Behavior class.

Eric Ruthruff:

- Published in 9 different journals with 19 different colleagues in the last 2 years.
- Developed a new very popular course: Belief in Weird Things.

Bruce Smith:

- Became a Robert Wood Johnson Fellow.
- Eight undergraduates from his lab were accepted into doctoral programs in psychology in the last 3 years.
- Funny event: When he was just about to receive the final word about having his tenure/ promotion finalized, he felt as if he should finally take some risks – so he decided to do it in the fashion area (yes - Bruce bought something other than a polo shirt).

Claudia Tesche:

- Was instrumental in getting the Logan Hall remodel grant.
- Continuing work on her federal grant to study language and addiction.

Kamilla Venner:

- Taught 2 new courses this year: the undergraduate one (Empirically Supported Treatments for Addiction) is part of our new BAC concentration.
- Starting working with therapists from the Zuni tribe so that she can adapt two alcohol treatments to specifically fit the tribe's unique culture/needs.

David Witherington:

- Led the effort to get a course back on the books for our graduate students on How to Teach - and taught it for the 1st time (with Steve Alley).
- Funny discussions: David's lab, which studies babies and movement, will be moved to the basement as a result of the second floor remodel. Several discussions have focused on the issue of whether he should switch his research to babies' fear of cockroaches, since the new basement lab setting pretty much ensures the babies will be encountering them during their crawling on a regular basis.

Elizabeth Yeater:

- Published a paper in the prestigious *Journal of Consulting and Clinical Psychology*; has 9 more papers in press
- Spearheaded the effort to set up a specialized Anxiety Disorder Clinic where our graduate students will treat PTSD, etc.
- Received a $20,000 grant from CASAA to study risk factors for sexual victimization.

Ron Yeo:

- Received the prestigious Earl Walker Award from the Medical School in recognition of outstanding neuroscience work (more than 100 publications) and graduate student mentoring (more than 34 PhD students).

Research Activities

The research activities of the faculty are summarized in Appendix C. We had another good year for extramural funding; approximately **6.1 million dollars** (see Appendix D). We believe this is an extraordinary accomplishment, both in terms of the absolute level of funding achieved for a department of our size, and in terms of the breadth of topics under study. As far as faculty publications (Appendix E), last year the faculty had another excellent year, with faculty publishing an average of **5.1 publications per FTE** (22.0) or **4.3 per voting faculty** (26). Clearly our faculty continues to excel in their research activities and to be productive in terms of publishing and presenting their work at professional meetings.

Of course, none of these research activities would be possible if it were not for the dedication of the departmental faculty who serve on the time-consuming but extremely important college Institutional Review Board (IRB). Special thanks go out to several faculty who stepped down after serving many years: **Tim Goldsmith, Theresa Moyers**, and **Kristina Ciesielski**.

By whatever metric one might wish to apply, the faculty of the Department of Psychology is very good. However, a persistent threat to the quality of our faculty is salary inequity, and the

real threat of losing faculty to other universities as a result. The salaries of some of our faculty are as much as 20% below national and regional norms. The fact that there have been no raises for several years does not help to remedy the situation with respect to peer institutions. It will take several successive years of salary increases before our faculty is compensated at a level comparable to their peers. While this problem is fully acknowledged by the central administration, more needs to be done. There should be no doubt that the highest priority for the department is to see faculty salaries increased to the level of regional norms immediately and to the level of national norms in the near future. This is the only way to preserve the excellence of our department.

New Grants

A number of faculty received new grants during the 2009-2010 academic year. These include:

- **Angela Bryan**: (1) "Alcohol, Marijuana, and Risky Sex: Group Interventions with Detained Adolescents"; $682,596.00; received from NIAAA (5 years), and (2) "HIV Prevention with Adolescents: Neurocognitive Deficits and Treatment Response"; $125,637.00; received from NIAAA - STIMULUS (1 year)
- **Theresa Moyers**: "Using Computer Based Simulation for Motivational Interviewing"; $278,506.00; received from SIMmersion (2 years)
- **Claudia Tesche**:; Network Connectivity and Dynamics in Fetal Alcohol Spectrum Disorders; $139,574.00; received from NIAAA (3 years)
- **Steve Verney**: (1) "Pilot Study at Endorphin Power Company"; $25,400.00; received from Robert Wood Johnson Foundation (1 year), (2) Cerebrovascular Disease and Consequences in the Strong Heart Study; $38,047.00; received from the National Heart Lung & Blood Institute (5 years), and (3) Director of the research core for the New Mexico Center for Advancement of Research, Engagement & Science on Health Disparities; $7.1M received from NIH (5 years)

Congratulations.....and keep 'em coming!

Teaching Awards

Janis Anderson, Visiting Professor, won the inaugural Outstanding Online Teacher of the Year Award for the university. Janis has been teaching online courses for us for years now, primarily Brain and Behavior (PSY 240) and Depression, Diagnosis and Treatment (PSY 450). She also has regularly offered her assistance to other faculty and graduate students who have been preparing their own online courses. Great job Janis!

Derek Hamilton was one of three recipients of the College of Arts and Sciences 2009-2010 Award for Teaching Excellence. It is quite unusual for an Assistant Professor to win such an award. Go Derek!

It comes as no surprise that **Steve Alley,** Psychology Department Lecturer, has earned additional teaching recognition: #2 "Best Teacher at UNM" in the Daily Lobo "Lo Mejor" best of student survey. Good for you, Steve! (and us)

Sabbaticals

Fall 2009: **Kristina Ciesielski** and **David Witherington**
Spring 2010: **Steve Gangestad** and **Steven Verney**

Research Faculty Positions

Each year there are a number of other individuals within UNM and the professional community of Albuquerque who make major contributions to our teaching, training and research missions. Research faculty status is granted to individuals who have excellent research records, provide research opportunities for our students, and receive extramural funding. Five years ago the Department decided to expand our list of affiliated research faculty for several reasons. These arrangements extend the range of research opportunities for our students, increase opportunities for collaborative and interdisciplinary research, and increase the amount of extramural funding generated by the Department. The corresponding increase in the indirect costs returned to the Department provides additional research support to our faculty and students and, in a self-perpetuating manner, facilitates the generation of additional extramural funding. The Department is indeed pleased with its affiliation with our research faculty, and we intend to add to that list in the future.

The department's research faculty for 2009-2010 were: **Janis Anderson, Peder Johnson, Scott Tonigan, and Francesca Filbey.** The department's policy for granting research faculty contracts was reviewed and modified in February 2010 (see Appendix F). The main revision was requiring that candidates under serious consideration give a colloquium.

Letters of Academic Title

Individuals with Letters of Academic Title typically are professionals from the community (or neighboring institutions) who make valuable contributions to the department, such as through research collaborations, teaching, or clinical supervision (see Appendix G). The individuals who received a Letter of Academic Title from our department in the last year were: **Andy Mayer** and **Eric Claus** (Mind Research Network scientists), **Tom Caudell** (Department of Electrical and Computer Engineering), **Rosalind Arden** (Department of Neurosurgery), **Josh Tybur** and **Renee Magnan** (post-docs with **Angela Bryan** at CASAA), **Eyal Aharoni** and **Elsa Ermer** (post-docs with **Kent Kiehl** at MRN), and **Regina Dickens** (BAC concentration).

Department Colloquia

A number of psychologists and researchers from other universities, other departments within the university, and from the community further enriched our educational programs by presenting research colloquia to our faculty and students. These individuals and the titles of their presentations are listed in Appendix B.

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C. Graduate Education

Current Graduate Students

A total of 83 graduate students (all areas) are currently enrolled in the Department. This year, the Department awarded 10 Ph.D. degrees. The names of the degree recipients along with the titles of their dissertations and the names of their faculty advisors can be found in Appendix H. This brings the total of Ph.D. degrees awarded by the Department to 365. In addition, the Department awarded 14 Master of Science degrees this year (see Appendix I).

Admissions

The Department received 210 highly qualified applicants to the graduate program for AY 2009-2010. The Graduate Admissions Committee, under the expert leadership of both **Steve Gangestad** (Fall 2010) and **Ron Yeo** (Spring 2010), continued its efforts to attract and select the very best applicants to our graduate program. **Ron Yeo** and **Carol-Ann Griffin** (Administrative Assistant) submitted a proposal to the Office of Graduate Studies to obtain money to enhance our recruitment efforts, and were awarded a Graduate Recruitment Grant for $3000. This money was used to provide partial travel reimbursements for potential graduate students who were invited to visit our program. These visits primarily occurred during the department's annual Open House; a one-day event coordinated by **Ron Yeo** (Admissions Chair), **Sarah Erickson** (Director of Clinical Training), and **Tonya Bryant** (Student Advisor). After a full day of interviewing, visitors and their graduate student hosts were treated by the department to a New Mexican dinner at Los Equipales Restaurant. Everyone's efforts paid off, as we were able to admit 12 highly qualified students to our program this year. These students, their areas of study, and their advisors are listed in Appendix J. The Admissions Committee is to be commended for its hard work in recruiting an impressive class of new students.

Student Funding

Fortunately, the Department was able to provide some financial support to all graduate students who requested aid and were in good standing. In part, this was due to the availability of research assistantships made possible by extramural funding obtained by the faculty, as well the availability of research and clinical positions outside the Department. However, most of the students who received aid in our Department worked as graduate assistants (GAs); often referred to informally as TAs (teaching assistants). This presented somewhat of a problem, because the ratio of the number of courses needing GAs to the number of GAs funded created an excessive workload for our GAs. The Department simply has not received sufficient GA funding to cover its needs. Moreover, GA stipends are too low relative to our peer institutions. This places us at a real disadvantage in trying to compete with other institutions for recruiting the best graduate students.

Another ongoing problem is difficulty in covering tuition for our graduate students who are supported through mechanisms other than our GA budget. For example, some students are funded outside of the department on grants as research assistants, but the grants do not have

tuition built into the proposals. We are trying to remedy this for the future by making sure that all grantees know to include tuition (and health insurance) as an expense in proposals that potentially involve graduate students. In the meantime we have made every attempt to cover the outstanding tuition from our overhead account, the Grice Foundation money, and the New Mexico 3% Scholarship Program (for N.M. residents).

New Graduate Assistantships and Practicum Placements

Health Care for the Homeless funded two partial GA positions. Our students were placed in a program for males with trauma experiences and substance use problems. **Elizabeth Yeater** supervised.

Sarah Erickson and **Dan Matthews** assisted the psychologists at the VA Medical Center in formalizing their practica offerings for our graduate students in early 2009. **Kathleen Padilla**, a graduate of our doctoral clinical program and the interim chair at the VA, was highly supportive of this step. The VA has grown into a popular and extremely valuable practica site. The available rotations include:

Women's Stress Disorder Treatment Team (Diane Castillo, Ph.D.)
Neuropsychology (Rex Swanda, Ph.D.)
Family Psychology (Lorraine Torres-Sena, Ph.D.)
ZIA Spinal Cord Injury (Kathleen Padilla, Ph.D.)
Substance Use Disorder Treatment Program (Lisa Arciniega, Ph.D.)
Domiciliary Residential Rehabilitation Treatment Program (June Malone, Ph.D.)
Behavioral Medicine (Eric Levensky, Ph.D.)
Substance Abuse, Trauma, and Rehabilitation Residence (Evelyn Sandeen, Ph.D.)
Men's Outpatient PTSD (Jennifer Rielage, Ph.D.)
Psychiatric Residential Rehabilitation Treatment Program (Deborah Simon, Ph.D.)
Suicide Prevention Team (Brenda Mayne, Ph.D.)
Ward 7 Inpatient Psychiatry (Jordon Bell, Ph.D.)
Without Compensation Appointment Procedures (Cathy C'de Baca)

Awards

Each year a small committee selects winners of two awards for clinical graduate students: the Garland Award (for work with adolescents or families), and the Rosenblum Award (for work with children or families). This year's winners were:

Garland Awards for $1000 each (awarded Nov. 2009):
Susanne Duvall (mentor: **Sarah Erickson**) and **Erica Montague** (mentor: **Sarah Erickson**)

Rosenblum Award for $500 (awarded Nov. 2009): **Melissa Gerstle** (mentor: **Sarah Erickson**)

The Haught lecture award recipient was **Tim Hoyt** (mentor: **Elizabeth Yeater**)

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Robert Wood Johnson offers two types of graduate student awards: Dissertation Fellowships and Doctoral Fellowships. The Dissertation Fellowships for 2009-2010 went to **Julia Austin** (mentor: **Jane Ellen Smith**) and **Jen Bennett** (mentor: **Steve Verney**). The Doctoral Fellowships were awarded to **Marita Campos-Melady** (mentor: **Jane Ellen Smith**), **Yajaira Peña-Esparza** (mentor: **Steve Verney**), and **Alexis Ortiz** (mentor: **Bruce Smith**).

Clinical Internships

The clinical students who applied for internships this past year did well. The students and their internship sites scheduled for 2009-2010 are:

Paulette Christopher	St. Louis VA Medical Center
Melissa Gerstle	Texas Children's Hospital
Loren Gianini	Southwest Consortium/NMVAHC
Paul Guinther	VA Salt Lake City Health Care System
Kathryn Lenberg	VA Palo Alto Health Care System
Lavina Sanders	Southern Arizona VA Healthcare
Kathryn Wiggins	VA Puget Sound, American Lake
Alisha Wray	Southwest Consortium/NMVAHC

Clinical students who finished their internships just recently were:

Julia Austin	Palo Alto VA Medical Center
Jennifer Knapp Manuel	Palo Alto VA Medical Center
Peggy MacLean	UNMH School of Medicine: Early Childhood Track
Rachel Freund	Albuquerque VA Medical Center
Matt Euler	Albuquerque VA Medical Center
Julie Steele	Medical University of South Carolina
Tim Hoyt	Madigan Military Hospital.

The Annual Report of the Clinical Program to APA is included (Appendix K).

Graduate Association of Students in Psychology (GASP)

The department has an active/energetic graduate student organization. The 2009-2010 GASP officers were:

President: **Tessa Margett**
Vice President: **Kathryn Lenberg**
Treasurer: **Susan Stevens**
Secretary: **Cheryl Bryan**
Librarian: **Paul Guinther**
GPSA Rep.: **Ben Ladd**
Clinical Area 1st & 2nd year Rep.: **Brenna Greenfield**
Evolution/Development Rep.: **Rachael Falcon**
Cognition, Brain, Behavior Rep.: **Lora Cope**

GASP co-hosted the department's Beginning of the Year Party, and was in charge of organizing and running the Psychology Research Day (April 30, 2010). The research day activities were held in Logan Hall instead of at the SUB for the first time; a move which seemed very successful in terms of participation. **Dr. Mike Dougher** gave the keynote address.

Diversity Organization (DO!)

The Diversity Organization (DO!) in the department continued to hold regular meetings and sponsored several events this past year. These included hosting "diversity training" for clinical psychology students, mailing flyers about UNM's Psychology Department to undergraduate universities in the Southwest, posting notices of cultural events on and off campus to graduate students, sponsoring a multicultural case conference, organizing a cultural pot-luck, and offering various suggestions to faculty on training issues. The faculty mentors for DO! are **Steve Verney** and **Kamilla Venner.** Graduate student council members are listed below.

Paulette Christopher - president
Lisa Hagen Glynn - vice president
Erica Nason - secretary
Brenna Greenfield - treasurer
Yajaira Peña-Esparza - social coordinator

Outcomes Assessment

As noted last year, the College of Arts and Sciences now requires each department to submit an Outcomes Assessment Report for each degree program (BA, BS, PhD). The department's Outcomes Assessment Committee (**Gordon Hodge, Tim Goldsmith, Karin Butler**) met along with the chair to check on data collection and to submit a preliminary progress report. The progress report for the 2009-2010 academic year was prepared by the Outcomes Assessment Committee consisting of **Gordon Hodge** and **Steve Verney**. A brief summary of the outcomes for our graduate students follows:

(1) Students annually complete an evaluation form that lists research activities. Target: 50% of all of our graduate students will have collected data during the year. Outcome: given that virtually all of our students met this goal last year, we changed the program criterion. Instead, we are targeting the research productivity rating (e.g., exemplary, good). This year 74% of our graduate students fell within the 'good' or 'exemplary' categories. Prior to deciding on an actual target for this variable, we will review the research productivity rating system itself.
(2) Students who teach a course are formally evaluated by a faculty member. A written evaluation using rating scales (1-5) to assess various teaching characteristics (e.g., lecture organization, classroom management) is used. Target: 50% of these students will receive a mean of 3.0 or higher. Outcome: All 15 of our student instructors had means above 3.0, with an average mean of 4.5.
(3) The written paper segment of comprehensive exams is graded on a 100 point scale by committee members. Target: 50% of students will achieve a score of 80 or better. Outcome: Greater than 80% of our students this year passed their comprehensive exams. Actual grades

for some of the exams were not reported, however, and so we have developed a new system to correct this problem.

D. Undergraduate Education

Undergraduate Majors

The undergraduate education productivity of the Department's faculty and staff is enormous and among the highest in the College. As of the Spring 2010 semester, the Psychology Department had a total of almost **1200** undergraduate Psychology Majors (or 1700 if one includes individuals in University College who state that they are going to be psychology majors). A total of **274** bachelor's degrees in Psychology were awarded this past year. The Department offers a wide variety of courses, ranging from introductory psychology to advanced courses in learning and memory, cognition, abnormal psychology, developmental psychology, social psychology, evolutionary psychology, quantitative methods, and cognitive/behavioral neuroscience. Our students are exposed to some of the best lecturers at the University and have access to advanced laboratory courses in which they design experiments and gain "hands-on" research experience with human and non-human subjects.

Enhancing Enrollment

One of the main goals for the University again this year was to increase enrollment in courses. The Psychology Department followed through with a number of steps that were in place to accomplish this. Most faculty members were very willing to increase course cap sizes as part of this process. At the same time, we had to be careful not to compromise quality instruction.

Number of students enrolled:
Fall 2008 (4,935) + Spring 2009 (4,937) = 9,872
Fall 2009 (5,734) + Spring 2010 (5,563) = 11,297
Increase over previous year: 1,425 students

Another way in which the department made efforts to increase enrollment was by offering more online courses. Interestingly, Extended University now offers financial incentives to departments for these and other distance-education classes. In terms of our department's recent online courses offered:

Fall 2008 (5) + Spring 2009 (4) = 9
Fall 2009 (7) + Spring 2010 (8) = 15
Increase over previous year: 6 online courses

Outcomes Assessment

The results for academic year 2009-2010 for the department's Outcomes Assessment Report for undergraduate students follows:

(1) A comprehensive exam (similar to the ETS Major Field exam) that was developed by **Harold Delaney** years ago was administered as a pre-test in PSY 105 classes beginning with the Spring 2009 classes. Although our plan is to re-administer this same test to our majors once they reach the Research Methods (PSY 302) course (and have accumulated 27 hours in psychology), a direct comparison across the same students will not be possible until last Spring's PSY 105 students take PSY 302 (typically in their junior or senior year). In the meantime we simply administered the test to a sample of PSY 302 students this past year. Target: 75% of students will receive at least a score of 50%. Outcome: Instead of looking at the percent of students achieving a score of 50% or better, we calculated the mean score for all students; which was 53.9%. This was a significant increase over the PSY 105 students' mean of 34.1.

(2) As part of the Research Methods class, students submit written critiques of empirical papers, with the objective of learning how to acquire and interpret data. These are then scored according to an established rubric. Target: 75% of students will show acceptable performance (as outlined in the rubric; a score of 6 out of 10). Outcome: In examining the subset of students who completed all 10 papers (N=71), 100% of these students achieved an acceptable grade on their final paper (mean = 9.7).

Psychology Honors Program

The flagship for quality education in our Department remains our Psychology Honors Program, which has been in existence for over 30 years. This program, which culminates in the student completing a year-long research project, has been especially attractive to Psychology majors who go on to pursue graduate work in psychology. Appendix L lists our 2009-2010 honors students along with the titles of their theses and the names of their faculty supervisors. **Harold Delaney** continued as the instructor for the Junior Honors Seminar, and **Ronald Yeo** was the Senior Honors instructor. The recipient of the Outstanding Honors Thesis award was **Katherine Cauthan** (mentor: **Bruce Smith**), and the Outstanding Honors Student was **Aaron Wagner** (mentor: **Karin Butler**). Financial support for conducting the studies ($2000) was obtained in response to **Ron Yeo's** proposal to the College of Arts and Sciences.

Basics in Addiction Counseling (BAC) Concentration

The BAC concentration for psychology majors received final approval in Spring 2010. The current executive board for the program consists of three departmental faculty; **Kamilla Venner, Theresa Moyers, and Jane Ellen Smith,** and a Program Specialist (Field Work Coordinator), **Regina Dickens**. Regina spent much of the year establishing relationships with local addiction treatment agencies that could provide field placements for the students in the program, and she completed a policies and procedures manual. Given that we learned last year that the state believes UNM should be paying for this Program Specialist position (since it is part of a degree-granting program), we need to find some source of funding to replace the state's financial support.

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A formal admissions process appeared necessary for acceptance into this concentration, since students in the program must complete field placements at treatment agencies. All applicants are required to be psychology majors and meet the following:

1. Are enrolled in the equivalent of the 4th semester of full-time coursework toward a college degree
2. Have a minimum cumulative GPA of 3.0 or a Psychology GPA of 3.5
3. Are committed to a career in the alcohol/drug counseling field
4. Have interpersonal skills appropriate for a counseling career
5. Have the ability to meet the program standards (with or without reasonable accommodation), and
6. Have read and acknowledged an understanding of the New Mexico Counseling and Therapy Practice Board standards for licensure.

In developing this concentration, 4 new courses were created. Three of them are 1-credit courses (see below) and one is a 3-credit course called "Evidence-Based Treatment of Addictions." The UNM minimum requirements for a Psychology Major, the manner in which these requirements will be fulfilled for students in the BAC concentration, and additional requirements for the BAC concentration are summarized in the table:

PSYCHOLOGY MAJOR REQUIREMENTS	BAC CONCENTRATION REQUIREMENTS
Minor in the College of Arts & Sciences[1]	Required
PSY 105 (3 credits)– General Psychology	Required
PSY 200 (3 credits)– Statistics	Required
4 OF 6 (12 credits): PSY 220 – Developmental Psychology PSY 240 – Brain & Behavior PSY 260 – Learning & Memory PSY 265 – Cognitive Psychology PSY 271 – Social Psychology PSY 280 – Health Psychology	PSY 240 – Brain & Behavior 3 other 200-level courses – to be selected from 200 level courses listed
PSY 302 – Research methods	Required
4 Electives (12 credits) at 300 or 400 level	PSY 332 – Abnormal PSY 347 – Drugs & Behavior PSY 430 – Alcoholism PSY 411 – Evidence-Based Treatment of Addictions
Psychology Lab (2 credits) – 300 or 400 level (2 credits; BS only)	PSY 335L - Clinical Psychology Lab *or* PSY 480L – Health Psychology Lab *or* Other pre-approved laboratory experience
Additional Requirements for BAC Concentration:	
	PSY 311 Clinical Evaluation in Addictions (1 credit) PSY 313 Case Management in Addictions (1 credit)

	PSY 312	Legal, Ethical and Professional Issues in Addictions (1 credit)
	PSY 412	Applied Clinical Experience in Addictions Counseling/ Field Work (9 credits total)

[1] Students may further expand their training in addiction science by minoring in a Department within the College of Arts and Sciences that also offers relevant coursework in this field. Such possible minors include Biology, Communication & Journalism, and Sociology.

Field Work Requirement: Students in the BAC Concentration are required to obtain 500 hours of supervised clinical experience in a community agency during their last year in the program. In the semester before beginning their fieldwork, BAC students will be required to apply for the LSAA (licensed substance abuse associate) credential. Normally students will register for 3 credits of field work in 3 successive semesters, beginning with the summer prior to their senior year. Students accepted for field work will participate in a weekly seminar with the Field Work Coordinator to address specific topics required for LADAC (Licensed Alcohol/Drug Abuse Counselor) clock hours, discuss field work experiences and challenges, and discuss readings relevant to their specific field work experiences. Formal evaluations of their performance at the community agency will be required at the mid-term and end of each semester.

E. Graduation

For the 20th consecutive year, the Department hosted a spring commencement ceremony for its graduating students. The commencement address, which was delivered by **Steve Alley**, was entitled, "El Circulo de la Vida—The Circle of Life". Previous addresses have been delivered by Barbara McCrady, Jane Ellen Smith, David Witherington, Michael Dougher, Frank Logan, William Gordon, Samuel Roll, John Gluck, Henry Ellis, William Miller, Kristina Ciesielski, Mark McDaniel, Dennis Feeney, Richard Harris, Robert Sutherland, Harold Delaney, and Lynette Cofer. Department Administrator **Trish Aragon-Mascareñas** organized the ceremony, and she and her staff handled all of the arrangements. Counting the faculty, the graduates, their families and friends, almost 1000 people attended the ceremony. For the first year we held the reception *after* the ceremony instead of before it, in an effort to allow more time for the families and faculty to socialize.

F. Staff

The Department of Psychology continued to benefit from a highly competent support staff last year that skillfully handled the basic functions essential to the day-to-day operations of the department. **Trish Aragon-Mascareñas** was in her third year in her position as the Department Administrator, and once again she did an outstanding job. **Stan Bennett** (Department Financial Administrator), an experienced and capable administrator, handled increasingly more grants due to the joint appointments with Mind Research Network (MRN). **Carol-Ann Griffin** assisted Stan Bennett in accounting, finance, and grants, as well as coordinating with MRN and CASAA.

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Tonya Bryant expertly advised students, managed the data base for graduate admissions and active graduate students, and handled all communications with the Office of Graduate Studies (OGS). She left her position in the end of the spring of 2010. **Kim Larrañaga,** Administrative Assistant, helped with a variety of duties (e.g., the schedule of classes, the annual report, the distribution/tracking of tenure materials to external reviewers). **Esther Golden**, our very capable Administrative Assistant who runs our front desk, joined us in August 2009. The department's core staff brought a lot of energy and enjoyment to the main office.

Our research support staff again included **Gilbert Borunda** (Senior Lab Animal Technician), **Ector Estrada** (Animal Research Coordinator), and **Patrick Sharp** (Research Engineer). Our veterinarian was **Dr. Kevin O'Hare**. The outstanding experience, skills and efforts of these individuals were invaluable and facilitated a wide range of research activities in our department.

The success of the Psychology Clinic this year was due in large measure to the administrative and interpersonal skills of **Dan Matthews**, who has served as the Clinic Staff Director for more than 20 years. Dan continued to be assisted in his duties by **Wanda Sharts**, the Administrative Assistant.

G. Space

As has been highlighted in the Department's Annual Report for the past 19 years, our department is not well accommodated by its current space allocation. Although, thankfully, we will be receiving some major remodeling of the second floor, we still have many outstanding building needs; needs that really require a major overhaul of the rest of the building as well. Specifically, we have insufficient research laboratory space in order to function optimally, and insufficient faculty and graduate student office space. Furthermore, we have only minimal classroom space in Logan Hall despite our tremendously high teaching duties. The size of our current building places severe limitations on our ability to grow and to reach our full potential as a department. The department's request for a new building or a major remodel has been acknowledged routinely on the University's Capital Projects list.

APPENDIX A

COMMITTEE ASSIGNMENTS AY 2009-2010

ASSOCIATE CHAIRS	
Graduate Education	Goldsmith
Undergraduate Education	Hodge
AREAS	
Clinical	Erickson, Dougher, Ciesielski, McCrady, Moyers, B. Smith, J. Smith, Venner, Verney, Yeater, Yeo
Cognition, Brain, Behavior	Clark, Butler, Ciesielski, Goldsmith, Hamilton, Hodge, Kiehl, Ruthruff, Tang, Tesche, Yeo
Developmental/Evolution	Gangestad, Ciesielski, Erickson, Miller, Witherington
Health	Bryan, Delaney, Erickson, B. Smith
Quantitative	Delaney, Bryan, Gangestad, Goldsmith
Policy & Planning [Area Heads + Assoc. Chairs]	Bryan, Clark, Delaney, Erickson, Gangestad, Goldsmith, Hodge, McCrady
Human Subjects (Department)	Goldsmith, Butler, Hamilton, B. Smith, Witherington (Spring)
Admissions	Gangestad (Fall), Yeo (chair in Spring), Delaney, Kiehl, Tang, Verney, Yeater
Outcomes Assessment	Hodge, Butler, Goldsmith
BAC (Basics in Addiction Counseling) Program	J. Smith, McCrady, Venner
Animal Facilities & Use	O'Hair (vet), Hamilton, Tang
Colloquia+ PAL	Ruthruff, Gangestad (Fall), Miller, Yeo
Computer/Web	Tesche, Hodge, Ruthruff
Awards	Delaney, Clark, Miller, Moyers

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Honors	Delaney, Clark, Miller, Moyers
Grant Writing Mentoring	Hutchison, Bryan, Clark, Kiehl
Teaching/Mentoring	Hodge (Fall), Alley, Verney, Witherington (Spring), Yeater
Library Liaison	Tang

*An underlined committee name designates the chair.

APPENDIX B

COLLOQUIA AY 2009-2010

Colloquium Presented By	Colloquium Title/Date
Arne Dietrich, Associate Professor American University of Lebanon, Beirut	"This is your brain on exercise" January 29, 2010
Peter Todd, Professor Department of Psychology Indiana University	"Heuristics for mate choice" March 26, 2010
Brooks King-Casas-Adjunct Assistant Professor Baylor College of Medicine	"Conflict-of – interest and social learning" May 7, 2010
Steven Nueberg, Professor Department of Psychology Arizona State University	"Toward a functional, affordance-centered model of person perception, prejudices, and social interaction" May 7, 2010
Quad-L Speakers William Timberlake, Professor Psychology and Brain Sciences Indiana University	"Learning and Evolutionary Ecology: What Rats and Pigeons Have Been Trying to Tell Us"
Jon Maner, Associate Professor Florida State University	"How the mind warps: Fundamental motives and adaptive social cognition"

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APPENDIX C

OUTSIDE-SPONSORED RESEARCH FOR 2009-2010

Angela Bryan: Principal Investigator

NIAAA/NIH—HIV Prevention with Adolescents: Neurocognitive Deficits and Treatment Response; $625,749.00; 09/30/2007-8/31/2012

NIAAA/NIH —Alcohol, Marijuana, and Risky Sex: Group Interventions with Detained Adolescents; $682,596.00; 07/01/09-06/30/2014

NIAAA/NIH —STIMULUS-HIV Prevention with Adolescents: Neurocognitive Deficits and Treatment Response; $125,637.00; 08/03/2009-06/30/2010

UC Boulder-Multi-level Analysis of Self-Regulation and Substance Abuse; $26,922.00; 05/01/2009-03/31/2010

Francesca Filbey: Principal Investigator

NIH; The Effects of CNRI on Brain Function in Cannabis Users; $107,207.00; 02/27/2010-07/31/2010.

Charles Gasparovic: Principal Investigator

Real-time Neuronal Current Imaging of the Human Brain to Improve Understanding of Decision Making Process; $45,161.00; 11/10/2009-09/30/2010.

Timothy Goldsmith: Principal Investigator

Federal Aviation Administration; "Structural Knowledge Analysis of Aviation Safety Reports", $270,000.00; 4/10/07-12/30/2010.

Gordon Hodge: Principal Investigator

Washington University in St. Louis; "Test Enhanced Learning", $168,495.00; 8/1/2006-7/31/2010.

Kent Hutchison: Principal Investigator

NIAAA/NIH—Treatment Alcohol Dependence: Integrating Genetic & fMRI Methods; $309,930.00; 10/12/2007-04/30/2010

NIAAA/NIH—A New Pharmacotherapy for Alcohol Dependence; $339,665.00; 12/01/2005-11/30/2010

NIAAA/NIH—Sensitivity to Intravenous Ethanol: Genetic Determinants; $276,011.00; 09/25/2007-08/31/2010

Kent Kiehl: Principal Investigator

MIND Research Network – Graduate Research Assistant Support for Prof .Kent Kiehl; $26,908.00; 08/08/2007-08/31/2010

National Institute of Mental Health/NIH—Aberrant Functional Connectivity in Psychosis; $201,488.00; 07/27/2005-06/30/2010

National Institute of Mental Health/NIH—Neurocognitive Assessment of 'Callous' Conduct Disordered Youth; $206,338.00; 02/02/2006-12/30/2010

National Institute on Drug Abuse/NIH—Neurocognitive Changes Associated with Behavioral Treatment in Cocaine Abusers; $357,767.00; 09/30/2005-07/31/2010

NIH—Social Reasoning in Psychopathy; $51,788.00; 04/07/2010-04/06/2011.

NIH—Multimodal Imaging of Social Emotion and Decision Making in Psychopathy; $51,710.00; 08/20/2009-08/19/2010.

NIH—Neural Mechanisms of Passive Avoidance; $47,466.00; 04/01/2010-03/31/2011.

MIND Research Network; $72,111.00; 08/01/2009-05/31/2010.

MIND Research Network; $85,643.00; 08/01/2009-05/31/2010.

Barbara McCrady: Principal Investigator

Clarity; Enhance the Safety of Children; $19,735.00: 01/01/2008-09/29/2012.
Rutgers – CBT Models and Change Mechanisms; $16,699.00; 9/30/08-8/9/2013

Theresa Moyers: Principal Investigator

NIDA; Testing Theory-Based Training; $525,201.00; 07/30/2007-06/30/2011
Loyola University; "Trauma Center Brief Intervention"; $29,202.00; 8/21/2006-07/31/2012

SIMmersion; Using Computer Based Simulation Motivation Inter.; $278,506.00; 09/01/2009-08/31/2011.

J. Scott Tonigan: Principal Investigator

National Institute of Health (NIH); "AA Social Dynamics"; $133,449.00; 9/30/2006-8/31/2011.

Case Western; Helping Others; $24,382.00; 04/01/2009-04/01/2012.

Claudia Tesche: Principal Investigator

NIDA: Neuroscience of Motivation Interviewing Change Talk; $403,810.00; 06/01/2009-05/31/2011.

San Diego State University; Network Connectivity and Dynamics in Fetal Alcohol Spectrum Disorders; $139,574.00; 11/13/2009-07/31/2010.

Kamilla Venner: Principal Investigator

NIDA; "Zuni MI/CRA Project"; $394,359; 9/30/2007-7/31/2011.

Steve Verney: Principal Investigator

RWJF; Pilot Study at Endorphin Power Company; $25,400.00; 09/01/2009-08/31/2010.

University of Washington; Cerebrovascular Disease and Consequences in the Strong Heart Study; $38,047.00; 08/15/2009-05/31/2010.

Elizabeth Yeater: Principal Investigator

Veterans Administration Medical Center; IPA Funding for Psychology Graduate Student Erica Nason; $10,350.00; 06/01/2008-05/31/2010

Ronald A. Yeo: Principal Investigator

MIND Research Network; Attentional Dysfunctional/Recovery in TBI; $17,238.00; 03/01/2009-02/28/2010

APPENDIX D

SUMMARY STATISTICS

	AY 2005-2006	AY 2006-2007	AY 2007-2008	AY 2008-2009	AY 2009-2010
Faculty Information					
Voting Faculty (total)	21	22	25	26	26
Distinguished Professors	0	1	1	1	2
Professors	7	6	6	7	7
Associate Professors	5	5	7	10	11
Assistant Professors	9	10	11	8	6
Budgeted FTE Faculty	19.4	20.06	20.47	21.27	22.0
Visiting Faculty	1	1	1	1	0
Research Activities					
Books, Articles, Chapters	93	109	123	140	113
Extramural Support	6,627,298.5	7,948,804	8,986,229	7,485,558	6,134,544
General Information					
FTE Staff	12.63	12.82	12.21	12.60	12.75
Department Budget	2,261,188	2,279,177	2,436,120	2,580,451	2,797,651

APPENDIX E

FACULTY PUBLICATIONS AY 2009-2010

BRYAN, ANGELA

Hendershot, C.S., Magnan, R.M., & Bryan, A.D. (2010). Associations of marijuana use and sex-related marijuana expectancies with HIV/STD risk behavior in high-risk adolescents. *Psychology of Addictive Behaviors, 24,* 404-414.

Broaddus, M.R., & Bryan, A.D. (2010). Risk taking behavior. In *The Concise Corsini Encyclopedia of Psychology and Behavioral Science, 4th Edition.* I.B. Weinger and W.E. Craighead and (Eds.), p. 1471-1473.

Carpenter, L., Tompkins, S.A., Schmiege, S.J., Nilsson, R., & Bryan, A. (2010). Affective response to physical activity: Testing for measurement invariance across the active and non-active populations. *Measurement and Science in Sports and Exercise, 14,* 1-14.

Broaddus, M.R., Morris, H.A., & Bryan A. (2010). 'It's not what you said, it's how you said it': Perceptions of condom proposers by gender and strategy. *Sex Roles, 62,* 603-614.

Schmiege, S.J., Klein, W.M.P., & Bryan, A. (2010). The effect of peer comparison information in the context of expert recommendations on risk perceptions and subsequent behavior. *European Journal of Social Psychology, 40,* 746-759.

Kwan, B.M., & Bryan, A.D. (2010). Affective response to exercise as a component of exercise motivation: Self-efficacy, outcome expectations and temporal stability of intentions. *Psychology of Sport and Exercise, 11,* 71-79.

Kwan, B.M., & Bryan, A.D. (2010). In-task and post-task affective response to exercise: Translating exercise intentions into behavior. *British Journal of Health Psychology, 15,* 115-131.

Bryan, A.D., Schmiege, S.J., & Broaddus, M.R. (2009). HIV/STD risk reduction among detained adolescents: A randomized controlled trial. *Pediatrics, 124,* e1180-e1188.

LaChance, H., Feldstein Ewing, S.W., Bryan, A.D., & Hutchison, K.E. (2009). What makes group MET work? A randomized controlled trial of college student drinkers in mandated alcohol diversion. *Psychology of Addictive Behaviors, 23,* 598-612.

Schmiege, S.J., Levin, M., & Bryan, A. (2009). Regression mixture models of alcohol use and risky sexual behavior among criminally-involved adolescents. *Prevention Science, 10,* 335-344.

Ray, L.A., Bryan, A., MacKillop, J., McGeary, J., Hesterberg, K., & Hutchison, K.E. (2009). The dopamine D4 receptor (DRD4) gene exon III polymorphism, alcohol use, and novelty seeking: Direct and mediated genetic effects. *Addiction Biology, 14, (2),* 238-244.

Feldstein Ewing, S.W., LaChance, H., Bryan, A., & Hutchison, K.E. (2009). Do individual and genetic risk factors moderate the efficacy of MET? Drinking outcomes with an emerging adult sample. *Addiction Biology, 14, (3),* 356-365.

Schmiege, S.J., Bryan, A., & Klein, W.M.P. (2009). Distinctions between worry and perceived risk in the context of the theory of planned behavior. *Journal of Applied Social Psychology, 39,* 95-119.

BUTLER, KARIN M.

Butler, K.M., McDaniel, M.A., McCabe, D.P., & Dornburg, C.C. (2010). The influence of distinctive processing manipulations on older adults' false memory. *Aging, Neuropsychology and Cognition, 17 (2),* 129-159.

CIESIELSKI, KRISTINA

Ciesielski, K.T., Rowland, L.M., Harris, R.J., Kerwin, A.A., Reeve, A., & Knight, J.E. (2010). Increased anterior brain activation to correct responses on high-conflict Stroop task in obsessive-compulsive disorder. *Clinical Neurophysiology,* doi:10.1016/j.clinph.2010.

Ciesielski, K.T., Ahlfors, S.P., Bedrick, E.J., Kerwin, A.A., Hämäläinen, M.S. (2010). Top-down control of MEG alpha-band activity in children performing Categorical N-Back Task, *Neuropsychologia,* doi:10.1016/j.neuropsychologia.2010.

CLARK, VINCENT P.

Michael, A.M, Baum, S.A. Demirci, O., Segall, J., Jung, R., Clark, V.P., Bockholt, H.J., Gollub, R.L., Roffman, J.L., Ho, B.C., Andreasen, N.C., Lim, K.O., White, T., Schulz, S.C., Calhoun, V.D. (2010). Does function follow form?: Methods to fuse structural and functional brain images show decreased linkage in schizophrenia. *Neuroimage, 49 (3),* 2626-2637.

White, T., Magnotta, V.A., Bockholt, H.J., Williams, S., Gollub, R.L., Mueller, B.A., Ho, B.C., Jung, R., Clark, V.P., Lauriello, J., Bustillo, J.R., Schulz, S.C., Andreasen, N.C., Calhoun, V.D., & Lim, K.O. (2009). Progressive white matter abnormalities in schizophrenia: A multi-center diffusion tensor imaging study. *Schizophrenia Bulletin, 35,* 204-205.

Kim, D.I., Manoach, D.S., Mathalon, D.H., Turner, J.A., Mannell, M., Brown, G.G., Ford, J.M., Gollub, R.L., White, T., Wible, C., Belger, A., Bockholt, H.J., Clark, V.P., Lauriello, J.,

O'Leary, D., Mueller, B.A., Lim, K.O., Andreasen, N., Potkin, S.G., & Calhoun, V.D. (2009). Dysregulation of working memory and default-mode networks in schizophrenia using independent component analysis, an fBIRN and MCIC study. *Human Brain Mapping, 30, (11),* 3795-3811.

Sui, J., Adall, T., Pearlson, G.D., Clark, V.P., & Calhoun, V.D. (2009). A method for accurate group difference detection by constraining the mixing coefficients in an ICA framework. *Human Brain Mapping, 30, (9),* 2953-2970.

Demirci, O., Stevens, M.C., Andreasen, N.C., Michael, A., Liu, J., White, T., Pearlson, G.D., Clark, V.P., Calhoun, V.D. (2009). Investigation of relationships between fMRI brain networks in the spectral domain using ICA and Granger causality reveals distinct differences between schizophrenia patients and healthy controls. *NeuroImage, 46(2):*419-431.

Segall, J.M., Turner, J.A., van Erp, T.G.M., White, T., Bockholt, H.J., Gollub, R.L., Ho, B.C., Magnotta, V., Jung, R.E., McCarley, R.W., Schulz, S.C., Lauriello, J., Clark, V.P., Voyvodic, J.T., Diaz, M.T., Calhoun V.D. (2009), Voxel-based morphometric multi-site collaborative study on schizophrenia. *Schizophrenia Bulletin, 35(1):*82-95.

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Hester, R.K., Delaney, H.D., Campbell, W.P., & Handmaker, N. (2009). A web application for moderation training: Initial results of a randomized clinical trial. *Journal of Substance Abuse Treatment, 37 (3),* 266-276.

Hall, T.W., Fujikawa, A., Halcrow, S.R., Hill, P.C., & Delaney, H.D. (2009). Attachment to God and implicit spirituality: Clarifying correspondence and compensation models. *Journal of Psychology and Theology, 37,* 227-242.

Dutcher, L. W., Anderson, R., Moore, M., Luna-Anderson, C., Meyers, R. J., Delaney, H.D., & Smith, J. E. (2009). Community reinforcement and family training (CRAFT): An effectiveness study. *The Journal of Behavior Analysis in Health, Sports, Fitness, and Medicine, 2,* 80-90.

Delaney, H.D. (2010). Partial correlation. In N.J. Salkind (Ed.). *Encyclopedia of Research Design.* Thousand Oaks, CA: Sage Publications, pp. 1003-1006.

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Guinther, P., & Dougher, M.J. (2010). Memory intrusions following interrelated conditional discrimination training. *The Journal of the Experimental Analysis of Behavior, 93,* 329-348.

ERICKSON, SARAH

Erickson, S.J., Montague, E., & Gerstle, M. (2010). Health related quality of life in children with moderate to severe traumatic brain injuries. *Developmental Neurorehabilitation, 13, (3),* 175-181.

Maclean, P., Erickson, S.J., & Lowe, J.R. (2009). Comparing emotional reactivity and regulation in infants born ELGA and VLGA. *Infant Behavior and Development, 32,* 336-339.

Annett, R.D., & Erickson, S.J. (2009). Feasibility of a school re-integration program for children with acute lymphoblastic leukemia: Lessons learned. *European Journal of Cancer Care, 18, (4),* 421-428.

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Trumpower, D.L., Sharara, H., & Goldsmith, T. (2010). Specificity of structural assessment of knowledge. *Journal of Technology, Learning, and Assessment, 8 (5).*

HAMILTON, DEREK

Hüfner, K., Binetti, C., Hamilton, D.A., Stephan, T., Flanagin, V.L., Linn, J., Labudda, K., Markowitsch, H., Glasauer, S., Jahn, K., Strupp, M., & Brandt, T. (2010). Structural and functional plasticity of the hippocampal formation in professional dancers and slackliners. *Hippocampus. Epub ahead of print (June 26, 2010).*

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Barkas, L.J., Henderson, J.L., Hamilton, D.A., Redhead, E.S., & Gray, W.P. (2010). Selective temporal resections and spatial memory impairments: Cue dependent lateralization effects. *Behavioural Brain Research, 208,* 535-544.

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Hüfner, K., Stephan, T., Hamilton, D.A., Kalla, R., Glasauer, S., Strupp, M., & Brandt, T. (2009). Gray matter atrophy after chronic complete unilateral vestibular deafferentation. *Annals of the New York Academy of Sciences, 1164,* 383-385.

HODGE, GORDON

HUTCHISON, KENT

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APPENDIX F

POLICY ON RESEARCH FACULTY APPOINTMENTS IN PSYCHOLOGY

Background

The University of New Mexico *Faculty Handbook* (Sec. 2.3.8) provides for the appointment of full-time or part-time non-tenure track research faculty at the rank of Research Assistant Professor, Research Associate Professor, and Research Professor. Within the Department of Psychology, these appointments are made for faculty whose primary relationship with the Department involves the performance of scientific research. Such involvement may be as a Principal Investigator (PI) or in other key roles in funded research.

A research faculty appointment may be through a Letter of Academic title (LAT; without salary) or by faculty contract. Research faculty are normally UNM employees, hired via faculty contract, with salary contingent upon active and continuing research support. (Instead of a Research title, Adjunct titles, e.g. Adjunct Assistant Professor, "are appropriate for persons whose primary professional responsibility is outside the University or for professional staff of the University who may teach on an occasional, limited, course-by-course basis" [*Faculty Handbook,* Sec. 2.3.10].) Appointments are normally made on an annual basis although appointments can be for a shorter period of time, and faculty contracts may be full-time or part-time depending upon available research support. Appointments are renewable indefinitely, and are not probationary.

By arrangement with and approval of the Chair and appropriate area head, research faculty may teach, provide clinical supervision, and/or serve on graduate student committees, but may not chair a thesis, preliminary exam, or dissertation committee. As specified in the *Faculty Handbook* (Sec. 3.2.8(b)), research faculty are not members of the voting faculty. Although research faculty are welcome to attend Department of Psychology faculty meetings, they do not cast votes on departmental matters. Research Faculty are not required to perform service (e.g. on committees) for the Department, College or University.

When a research faculty member who is employed by faculty contract in Psychology is awarded extramural funding, the College and Department should receive a negotiated share of Facilities and Administrative (F & A) costs associated with the award. When the grant is submitted and administered through the Department, the distribution formula is determined by the Vice President for Research and the Dean of the College of Arts and Sciences. When the grant is submitted through a Category 2 or Category 3 research Center, the F & A distribution formula is determined by the Vice President for Research and the Center Director.

Research Faculty supported by faculty contracts report to and are evaluated by the Chair of the Department of Psychology. Annual salary increases are determined by the Chair in accord with departmental procedures for merit review, and in consultation with internal funding sources from which the faculty member's salary is paid (e.g., a Center of PI). Faculty benefits are as determined by standard University policies and procedures, and as permitted by extramural

funding sources. (Note that paid maternity leave is not an allowed benefit on grants from most federal funding sources such as the National Institutes of Health. Normal annual and sick leave benefits do apply, however).

Research faculty appointments are initiated by the Department of Psychology, in accord with University regulations. Level of appointment is recommended by the Chair and approved by the faculty. Outside letters of recommendation are not ordinarily required for research appointment or promotion, but may be required by the Chair or faculty as part of the process of review for appointment or promotion.

Individuals who hold research professorships (at the Assistant, Associate, or Full level) are ordinarily those with primary responsibility for independent research, in the role of Principal Investigator or Co-Investigator. Full-time or part-time employees who are staff members in research projects, if hired by appointment through the department, are ordinarily hired with a professional title in research (Research Associate or Senior Research Associate).

Criteria for Research Faculty Appointment
As specified in the *Faculty Handbook* (Sec. 3.2.8(a)), qualifications for research faculty are similar to those required of tenure-track faculty. Thus, in order for an individual to be granted a title as research faculty in psychology, he/she generally will have demonstrated the level of scholarly work normally expected for a tenure-track faculty member at the level of the appointment requested (i.e.., assistant professor, associate professor, or full professor).

In the case of a candidate for a research title seeking an appointment by a faculty contract, this will be evaluated by:

- a review of the candidate's *curriculum vitae* (c.v.)
- a colloquium
- an interview with the department chair

In the case of a candidate for a research title through a Letter of Academic Title, the candidate will only need to submit his/her c.v. for review.
The faculty will then review the case and vote.

Criteria for Appointment as Research Assistant Professor. This is the normal entry-level appointment for research faculty with a doctoral degree. It is the ordinary starting appointment for faculty members with five or fewer years of research experience. As with all research faculty appointments, the faculty member's primary expertise and duties pertain to department-related research projects.

Criteria for Appointment as Research Associate Professor. Faculty appointed as Research Associate Professor must hold a doctoral degree. They must also have a record of at least five years of productive research resulting in scholarly publications. There should be clear evidence that the faculty member has made substantive contributions to her and his area of research and scientific field. Clear external recognition of research contribution is expected, in the form of first-authored research reports in top-tank

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scientific journals, peer-reviewed extramural funding (as PI), awards for excellence in research, associate editorship for scholarly journals, etc.

Criteria for Appointment as Research Professor. Faculty appointed as Research Professor must meet all criteria for Research Associate Professor, with at least ten years of sustained productivity in research and scientific publications. In addition to a thematic/ programmatic focus, there should be clear evidence that the faculty member has made substantive contributions to her or his area of research and scientific field. Clear external recognition of research contribution is expected, in the form of first-authored research reports in top-rank scientific journals, peer-reviewed extramural funding (as PI), awards for excellence in research, associate editorship for scholarly journals, etc.

Criteria for Professional Titles in Research

Criteria for Appointment as Research Associate. This is a person with a master's degree or equivalent, employed as a staff member in research, who is enrolled in the Office of Graduate Studies.

Criteria for Appointment as Senior Research Associate. This is a person with a doctoral degree or equivalent, employed as a staff member in research, who may be enrolled in the Office of Graduate Studies only by permission of the Chair of the department and the Dean of Graduate Studies.

Revised policy adopted by Psychology Faculty in February, 2010.

APPENDIX G

LETTERS OF ACADEMIC TITLES

NAME	TITLE	ORGANIZATION
Eyal Aharoni	Research Scholar	MIND Research Network
Paul Amrhein	Adjunct Associate Professor	Montclair State, New Jersey
Robert Annett	Research Professor	University of New Mexico Hospital
Alfredo Aragon	Research Assistant Professor	University of New Mexico- CASAA
Lisa Arciniega	Clinical Associate	VA Medical Center
Rosalind Arden	Research Assistant Professor	Neurosurgery-UNM
Michael Bogenschutz	Adjunct Professor of Psychology	University of New Mexico, Psychiatry
Molly Brack	Adjunct Lecturer I	AGORA
Judith Brooks	Clinical Associate	VA Medical Center
Diane Castillo	Clinical Associate	VA Medical Center
Tom Caudell	Research Professor	Electrical and Computer Engineering
Eric Claus	Research Scientist	MIND Research Network
Elizabeth Dettmer	Adjunct Assistant Professor	VA Medical Center
Regina Dickens	Adjunct Lecturer I	UNM Psychology Department
Henry Ellis	Research Professor	UNM Psychology Department
Elsa Ermer	Post Doctoral Fellow	MIND Research Network
Sarah Feldstein-Ewing	Adjunct Research Assistant Professor	MIND Research Network
Brandi Fink	Research Scholar	UNM Psychology Department
Alyssa Forcehimes	Research Assistant Professor	University of New Mexico-CASAA
Charles Gasparovic	Research Assistant Professor	MIND Research Network
James Gillies	Clinical Associate	VA Medical Center
Jessica Goodkind	Research Assistant Professor	University of New Mexico Hospital
Faith Hanlon	Research Assistant Professor of Psych	VA Medical Center
Christian Hendershot	Research Scholar	University of New Mexico- CASAA
Reid Hester	Research Associate Professor	University of New Mexico- CASAA
Lorna Joachim	Adjunct Assistant Professor	UNM Psychology Department
Brian Kersh	Clinical Associate	VA Medical Center
James Kroger	Adjunct Assistant Professor of Psych	New Mexico State University
Milton Lasoski	Clinical Associate	VA Medical Center
Alexandre Laudet	Research Assistant Professor	University of New Mexico - CASAA
Eric Levensky	Clinical Associate	VA Medical Center
Vanessa Lopez-Viets	Research Assistant Professor	UNM Psychology Department
Renee Magnan	Research Assistant Professor	University of New Mexico- CASAA
June Malone	Clinical Associate	VA Medical Center
Andy Mayer	Assoc. Profess. Translational Neurosci.	MIND Research Network
Ella Nye	Clinical Associate	VA Medical Center
Kathleen Padilla	Clinical Associate	VA Medical Center
E. Pare-Blagoev	Adjunct Assistant Professor of Psych	MIND Research Network
Brian Pilgram	Clinical Associate	VA Medical Center
Allecia Reid-McCarthy	Research Scholar	University of New Mexico- CASAA
Jennifer Rielage	Clinical Associate	VA Medical Center
Donald Rossi	Adjunct Professor of Psychology	New Mexico Department of Education

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Mel Rutherford	Academic Colleague	UNM Psychology Department
Joseph Sadek	Clinical Associate	VA Medical Center
Evelyn Sandeen	Clinical Associate	VA Medical Center
Pilar Sanjuan	Adjunct Research Assistant Professor	MIND Research Network
Brian Shelley	Research Assistant Professor	UNM Center for Life
Timothy Strongin	Clinical Associate	Saint Joseph Medical Center
Rex Swanda	Clinical Associate	VA Medical Center
Ursina Teuscher	Adjunct Assistant Professor of Psych	University of California, San Diego
Robert Thoma	Research Assistant Professor of Psych	VA Medical Center
Lorraine Torres-Sena	Clinical Associate	VA Medical Center
Josh Tybur	Research Assistant Professor	University of New Mexico- CASAA
Teddy Warner	Adjunct Associate Professor	UNM Family Community Medicine

APPENDIX H

DOCTORAL DEGREES AWARDED AY 2009-2010

NAME	TITLE OF DISSERTATION	ADVISOR
Nariman Arfai	*"Accelerating Recovery of Behavioral & Cognitive Functions via Single Intracerebral Injection of Matrigel Containing Neurotrophic Factors after Somatosensory Contusion in Adult Rats"*	Vince Clark
Julia Austin	*"An Examination of Factors Associated with Obesity Treatment Adherences in a Sample Of Mexican-American Women "*	Jane Ellen Smith
Laura Dane	*"An Analysis of the Sexual Dimorphism of Hands: Attractiveness, Symmetry and Person Perception"*	Geoffrey Miller
Matthew Euler	*"Individual Variation in EEG Spectral Power Enhancement and Intelligence"*	Ronald Yeo
Brandi Fink	*"Interpersonal Variables Associated with Interpersonal Violence"*	Michael Dougher
Rachel Freund	*"An Investigation of Verbal Events as Motivating Operations: The Effects of Mood Induction on the Reinforcing Values of Consequences"*	Michael Dougher
April Lightsey	*"Neurometabolic Correlates of Cognition in Children"*	Ronald Yeo
Peggy Maclean	*"Maternal Perception of Child Vulnerability In Preschoolers Born with Very Low Birth-weight"*	Sarah Erickson

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Julie Steele Seel	*"Eliciting Abstinence and Improving Retention In a Vocational and Educational Training Program for Young People: A Pilot Study"*	Barbara McCrady
Ethan White	*"Verbal Creativity, Mate Value, and Sexual Selection"*	Michael Dougher

APPENDIX I

MASTER'S DEGREES AWARDED AY 2009-2010

NAME	TITLE OF THESIS	ADVISOR
Elizabeth Browning	*"Backward Associative Strength and Illusory Recollection: Extension of the Source-Strength Effect to Item Location"*	Karin Butler
William Campbell	*"Does Clinical Distress Impact Attempts to Moderate in Problem Drinkers? Analysis of Outcomes From a Randomized Clinical Trial"*	Michael Dougher
Nicholas Gaspelin	*"Perceptual Load and the Capture of Spatial Attention By Color Singeltons"*	Eric Ruthruff
Brenna Greenfield	*"Abstinence Self-Efficacy, Mood, and Treatment Outcomes in Emerging Adults with Substance Dependence"*	Kamilla Venner
Melissa Heap	*"Fluctuating Asymmetry, Facial Masculinity, and Offspring Sex Ratio"*	Steve Gangestad
Benjamin Ladd	*"The Effects of Drinkers' Concerned Significant Others on Alcohol Cue Reactivity"*	Barbara McCrady
Samara Lloyd-Rice	*"Development of a Quantitative, Self-Report Measure of Ambivalence about Reducing Problem Drinking for Alcohol Use Disorder Treatment and Research"*	Harold Delaney
Per Lynse	*"An MEG Investigation of the Differential Responsivity of the Human Calcarine Fissure and Fusiform Gyrus to the Emotion of Viewed Faces"*	Ronald Yeo
Leslie Merriman	*"Relationship Quality and Men's Oxidative Stress"*	Steve Gangestad
Mollie Monnig	*"White Matter Integrity in Alcohol Dependence and Remission Using Tract-based Spatial Statistics"*	Ronald Yeo

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Erica Montague	*"Multiple Perspectives on Functioning of Families Impacted by Pediatric Traumatic Brain Injury: Exploring Both Parental and Injured Child's Perceptions"*	Sarah Erickson
Erica Nason	*"The Relationship Between a Sexual Victimization History and Women's Responses to High and Low Risk Situations"*	Elizabeth Yeater
James Rice	*"Evidence for Cooperative, Sequential Interaction Between Hippocampal- and Dorsolateral Striatal-Dependent Navigation Strategies in the Morris Water Task"*	Derek Hamilton
David Stone	*"Transcranial Direct Current Stimulation Modulates Shifts in Global/Local Attention"*	Claudia Tesche

APPENDIX J

GRADUATE STUDENTS ACCEPTED FOR AY 2010-2011

NAME	ADVISOR	AREA
Patrick Coulombe	Jacob Vigil	Evolutionary
Sarah Dinces	Akaysha Tang	Cognition, Brain & Behavior
Glory Emmanuel	Harold Delaney	Clinical
Julia Keller	Eric Ruthruff	Cognition, Brain & Behavior
Christina Klauber	David Witherington	Developmental
Victoria O'Keefe	Kamilla Venner	Clinical
Mandy Owens	Barbara McCrady	Clinical
Jessica Pommy	Ronald Yeo	Clinical
Danielle Rudder	Claudia Tesche	Cognition, Brain & Behavior
Laurie Steffen	Bruce Smith	Clinical
Courtney Stevens	Angela Bryan	Clinical
Belina Vicuña	Harold Delaney	Health

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APPENDIX K

AMERICAN PSYCHOLOGICAL ASSOCIATION COMMISSION ON ACCREDITATION ANNUAL REPORT

Summary Report for the Doctoral Program in Clinical Psychology at University of New Mexico (000938)
For the Reporting Period: 9/1/2008 to 8/31/2009

Questionnaire Information

Total Number Who Applied to the Program :	189
Total Number Who Were Offered Admission to the Program :	16
Applied for an Internship for 2009 - 2010 :	9
Were placed in an Internship for 2009 - 2010 :	7
Number of Degrees Awarded in 2008-2009:	2
Average Number of Years to Complete Program:	7
Total Number of Currently Enrolled Students:	52
Number of Archived Students:	39

Student Demographic Information

African American-Black:	0
Caucasian:	41
Hispanic-Latino:	7
Asian:	0
American Indian - Alaska Native:	1
Multi-Ethnic:	3
Not Reported:	0
Canadian:	1
Male:	11

Female:	41
Minority Students:	11
Students under the Americans with Disabilities Act:	1
Foreign National Students:	1

Student Professional Activities

Member of Professional or Research Society :	28
Author or Co-Author of Papers or Workshops at Professional Meetings :	19
Author or Co-Author of Articles in Professional or Scientific Journals :	25
Involved in Grant-Supported Research :	31
Involved in Teaching :	19
Involved Part-Time in Supervised Practicum Training on or off Campus :	19

Predoctoral Education

Average GPA:	3.66
Total Number of Students Reported:	52
Average GRE scores (Verbal + Quantitative): :	1309
Total Number of Students Reported:	52
Graduate Semester-hour Equivalent Credits:	5

Practicum Hours

Average Intervention and Assessment Hours:	802
Average Support Hours:	398
Average Supervision Hours:	296

Faculty Demographic Information

African American-Black:	0
Caucasian:	10
Hispanic-Latino:	0

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Asian:	0
American Indian - Alaska Native:	2
Multi-Ethnic:	0
Not Reported:	0
Canadian:	0
Male:	5
Female:	7

Other Demographics

Core Program Faculty:	12
Other Program Faculty:	0
Other Contributors:	0

Faculty Professional Activities

Member of Professional or Research Society :	12
Author or Co-Author of Papers or Workshops at Professional Meetings :	12
Author or Co-Author of Articles in Professional or Scientific Journals :	12
Recipient of Grants or Contracts :	7
Involved in Undergraduate Teaching :	11
Involved in Masters Teaching :	9
Involved in Doctoral Teaching :	11
Involved in Research Supervision :	11
Involved in Professional Service Supervision :	9
Engaged in Delivery of Professional Services :	4

APPENDIX L

SENIOR HONOR THESES AY 2009-2010

STUDENT	THESIS TITLE	FACULTY SPONSOR
Ashley Nicole Palacios	*Non-Automatic Processing of Emotional Stimuli*	Eric Ruthruff, Ph.D.
Rachel Nelson	*Pre-Frontal Auditory Sensory Gating Generators in Patients with Schizophrenia*	Jose M. Cañive, M.D. Garrett W. Hosack
Eva A. Padilla	*Distal Consequences of Neglect? Childhood Neglect Predicts Lower Adult Social Intelligence*	Marianna LaNoue, Ph.D.
Jessica Pommy	*Voxel-based Morphometry Identifies Smaller Gray Matter Volumes in "At Risk" Adolescents*	Robert J. Thoma, Ph.D. Ronald A. Yeo, Ph.D.
Victoria Sullivan	*Iconicity and Space in American Sign Language*	Ronald A. Yeo, Ph.D.
Kate Cauthen	*The Role of Situational Factors and Personality Traits in Predicting Altruistic*	Bruce W. Smith, Ph.D.
Aaron Wagner	*The Effects of Mood Induction on Categorizing Emotional Faces in Different Alexithymia Groups*	Karin Butler, Ph.D.
Brook Parks	*The Impact of Two Types of Anxiety On Attentional Bias Induced by Emotional Stimuli*	Eric Ruthruff, Ph.D.
Daniel Crotwell	*Response in Reward Areas is Associated with Level of Effort to Obtain High Calorie Foods in Obese Individuals*	Francesca Filbey, Ph.D. Jane Ellen Smith, Ph.D.
Cassandra L. (Sprauge) Wootten	*Predicting Posttraumatic Stress Disorder Symptom Severity with Neuropsychological Measures*	Robert J. Thomas, Ph.D.

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Religious Studies Program
UNM College of Arts & Sciences
2010 Annual Report

Submitted by Religious Studies Director Sharon Erickson Nepstad

This report focuses on the activities of the UNM Religious Studies program from the period of July 1, 2009 to June 30, 2010.

A. Significant Program Developments

1. *Strong Undergraduate Program Enrollments*

   During the 2009-2010 academic year, the Religious Studies program offered an array of courses that fulfill both the requirements for our major as well as university core requirements. In terms of courses that serve the university core curriculum, we offered 13 sections of Living World Religions (RELG 107), 4 sections of Eastern Religions (RELG 263), and 7 sections of Western Religions (RELG 264). In other words, we offer 24 courses that meet the needs of the broader university community. In terms of courses for our majors, we offered 4 different classes that helped students fulfill their sacred scriptures requirement and 25 courses that helped students complete their requirement for upper division and seminar credits. Overall, we offered (or "offered with") a total of 51 classes, which enrolled 2,835 students and generated over 8,500 credit hours.

2. *Curricular Revisions*

   During the 2009-2010 academic year, we undertook a significant revision of the Religious Studies curriculum. In conjunction with one of the Religious Studies lecturers, Dr. Nepstad put forth two curricular proposals to the Religious Studies Executive Committee. After several meetings, we unanimously approved one of the proposals, which will significantly update our curricular offerings. We are now in the process of submitting this to the Arts and Sciences curriculum council.

3. *Learning Outcomes Assessment*

   We have continued our outcomes assessment process for our core curriculum classes (RELG 107, 263, 264) with ongoing collection of assessment data and formal meetings to discuss and analyze the findings. We are now in our second year of collecting data for our program level outcomes assessment process, which focuses on student learning over the course of the major. Our faculty designed a rubric and collected data on our 400-level courses. The instructors for these classes also formally met to evaluate the data. As a result of this process, we have decided to pursue some revisions in the assessment rubric and a small committee has drafted a

proposal for a Religious Studies capstone course that is designed to help students synthesize and apply the knowledge acquired during their course of study.

4. *Strengthening Faculty Support of Religious Studies*

The Religious Studies Committee (RSC) is a nine-member faculty board that guides our program and makes key policy, curricular, and budget decisions. Of these nine members, seven are elected from our larger group of Associated Faculty to serve three-year terms. During the Spring 2010 semester, we held an election to replace four of the RSC members who were completing their terms of service. In contrast to the previous election – where voting rates were low and we had difficulties finding candidates to run – we were pleased to have 5 candidates on the ballot. We also saw an improved voting rate among our Associated Faculty. Our new Religious Studies Committee is comprised of the following individuals:

Justine Andrews (Art and Art History)
John Bussanich (Philosophy)
Harold Delaney (Psychology)
Lisa Gerber (Religious Studies & Philosophy)
Sharon Erickson Nepstad (Director of Religious Studies, Professor of Sociology)
Pat Risso (History)
Paul Watson (Biology)
Daniel Wolne (Religious Studies)
Franklin Yates (Part-Time Instructor Representative)

5. *Visiting Professors of Roman Catholic Studies*

After $2.1 million was raised for an Endowed Chair in Catholic Studies in 2008, the plan was to recruit for this position starting in January 2009. However, with the stock market decline, the endowment was depleted sufficiently that we were unable to hire a permanent faculty member for this position. As an alternative, we decided to hire visiting professors of Roman Catholic Studies until the endowment recovers. Thus in the fall of 2009, we began the search process. Four members of the UNM community served on the search committee: Richard Wood, Chair (sociology), Timothy Graham (History), Gabriel Melendez (American Studies), and John Taber (Philosophy). In addition, three individuals were appointed to the search committee by the archdiocese: Dolly Sokol (Ph.D. Organizational Education), Joanne DuPont Sandoval (Ph.D. Religious Studies), and Joel Garner (Ph.D. Theology). The search yielded 33 completed applications, from which we hired two individuals as visiting faculty. Dr. Ian Levy, Associate Professor of Historical Theology at Lexington Theological Seminary, joined us in the Spring 2010 semester. Dr. John Dadosky, Associate Professor of Theology at Regis College (University of Toronto) is with us during the 2010-2011 academic year.

B. Significant Plans and Recommendations for the Future

1. *Religious Studies Events*

   a) *Religious Studies Colloquium Series*

   We continued our Religious Studies Colloquium series, which is designed to showcase the diverse research interests and scholarship of our lecturers and part-time instructors. These have been very successful, drawing in a combination of students, faculty, and community members. The following is a list of colloquium presentations during the 2009-2010 academic year:

   - "Liberal and Devout: The Sources of Enthusiasm and Organizational Commitment Within the Liberal Religious Niche," Kevin LaPoint, Sociology (attendance: 20)
   - "Return of the Plague? Spiritual and Ethical Responses to Pandemic Influenza," Cynthia Geppert, Psychiatry, UNM Health Sciences Center and PTI for Religious Studies (Attendance 24)
   - "A Twelve-Egg Bread: Rabbinic Concepts of Justice and Charity," Michael Nutkiewicz, PTI, Religious Studies, (Attendance 23)
   - "The Eucharist in Medieval Canon Law," Ian Levy, Visiting Associate Professor of Roman Catholic Studies (Attendance 18)
   - "The Spiritual Practices of Henry David Thoreau," Lisa Gerber, Lecturer, Religious Studies (Attendance 17)

   b) *Outside Speakers*

   In addition to our colloquium presentations, we brought in two outside speakers, listed below:

   - Nicholas Creary, Assistant Professor of History, Ohio University, "Tolerari Potest: Religion and Racism in Africa" (attendance 14)
   - David Loy, Besl Family Chair in Religion, Ethics, and Society, Xavier University, "Money, Sex, War, Karma: Notes on a Buddhist Revolution" (Attendance 56)

2. *Research Activities through the Southwest Institute on Religion and Civil Society (SIRCS)*

   Faculty members are continuing to conduct research and write grants in connection with our research institute. Dr. Richard Wood, Director of SIRCS, in tandem with

researchers at the University of Central America in El Salvador, received a $1.5 million grant to explore Pentecostalism in Central America. Sharon Erickson Nepstad has submitted a grant proposal to the Louisville Institute to study why a growing number of Americans are choosing to have no religious affiliation.

C. Apppointments to Faculty/Staff

The only appointments in Religious Studies are those of our Visiting Associate Professors of Roman Catholic Studies. As stated earlier, Dr. Ian Levy held this position in Spring 2010. Dr. John Dadosky joined us in August 2010.

D. Separation of Faculty/Staff

During the summer, we lost our .5FTE administrative assistant, Nancy Rice. Ms. Rice retired and we have not received approval to replace her during this hiring pause. This is currently the biggest challenge we face. Our program – which includes roughly 3,000 students, 50 classes, 4 lecturers, and over a dozen part-time instructors – is supported by one administrative assistant who is in the office 20 hours a week. We simply are unable to carry out all the program functions (from scheduling, financial transactions, faculty support, public event planning and so forth) with this minimal amount of staffing. As a result of this staffing situation, we fear that the mission and growth of the Religious Studies Program will suffer.

E. Faculty Publications

(Note: UNM Religious Studies faculty names are in bold)

Books

Oberst, Joachim. (2009.) *Heidegger on Language and Death: The Intrinsic Connection in Human Existence*. London, UK: Continuum.

Peer-reviewed Articles

Delaney, Harold D., Forcehimes, A. A., Campbell, W. P., & Smith, B. W. (2009). Integrating spirituality into alcohol treatment. *Journal of Clinical Psychology: In Session, 65,* 185-198.

Hester, R. K., **Delaney, H. D.,** Campbell, W. P., & Handmaker, N. (2009). A web application for moderation training: Initial results of a randomized clinical trial. *Journal of Substance Abuse Treatment, 37*(3), 266-276.

Hall, T. W., Fujikawa, A., Halcrow, S. R., Hill, P. C., & **Delaney, H. D.** (2009). Attachment to God and implicit spirituality: Clarifying correspondence and compensation models. *Journal of Psychology and Theology, 37,* 227-242.

Keil, P.L. & **Watson, P.J.** 2010. Assessment of Self, opponent and resource during male-male contests in the sierra dome spider, *Neriene litigiosa*: Linyphiidae. Animal Behaviour 80, (2010) 809-820.

Book Chapters

Oberst, Joachim. (2009). "The Abolition of War: A Philosophical Imperative", in Patricia Hanna (ed.), *An Anthology of Philosophical Studies* Vol. 3. Athens, Greece: ATINER, pp. 309-320.

Book Reviews

Nepstad, Sharon Erickson. (2010). Review of David Smilde's *Reason to Believe: Cultural Agency in Latin American Evangelicalism* (University of California Press). *Sociology of Religion* 70(4): 459-461.

Nepstad, Sharon Erickson. (2009). Review of Paul Christopher Johnson's *Diaspora Conversions: Black Carib Religion and the Recovery of Africa* (University of California Press). *American Journal of Sociology* 115 (1): 280-282.

Nepstad, Sharon Erickson. (2009). Review of David Cortright's *Peace: A History of Movements and Ideas* (Cambridge University Press). *Peace Review* 21(3): 417-419.

Encyclopedia Articles

Delaney, Harold D. (2010). Partial correlation. In N. J. Salkind (Ed.) *Encyclopedia of Research Design.* Thousand Oaks, CA: SAGE Publications, pp. 1003-1006.

Nepstad, Sharon Erickson. 2010. "War Resistance and the Catholic Left." In the *Oxford International Encyclopedia of Peace.* Edited by Nigel Young. New York: Oxford University Press.

Nepstad, Sharon Erickson. 2010. "The Sanctuary Movement." In the *Oxford International Encyclopedia of Peace.* Edited by Nigel Young. New York: Oxford University Press.

Awards

Nepstad, Sharon Erickson. Chosen as the 2009 Annual Lecturer in Religion and Peace at the Center for the Study of Religion and Conflict, Arizona State University. Presentation entitled "Peaceful Revolutions: Religion, Nonviolence, and Citizen Uprisings in the Late 20th Century." October 2009.

Nepstad, Sharon Erickson. Winner of the 2009 Outstanding Book Award from the Peace, War,
and Social Conflict Section of the American Sociological Association for my book, *Religion and War Resistance in the Plowshares Movement.*

Wolne, Daniel. Appointed as a Faculty Associate specializing in large class instruction, UNM's
Office of Support for Effective Teaching (OSET).

Sponsored Research

Risso, Pat. 2009. University of New Mexico, Research Allocations Committee, March 2010, India Office Records, London, $3,913.56

Aguilar, Jeannette, Jose Simeon Cañas, and **Richard Wood**. 2010. "The Impact of Pentecostal and Charismatic Movements on Local Community Organizations and Civic Participation in Central America." Pentecostal and Charismatic Research Initiative, University of Southern California. $1,500,000.

Forthcoming Books and Articles

Candelaria, Michael. Forthcoming in 2011. *The Revolt of Unreason: Miguel Unamuno and Antonio Caso on the Crisis of Modernity.* Rodopi Press.

Candelaria, Michael. Forthcoming in 2011. *Introduction to World Religions.* College Network Press.

Nepstad, Sharon Erickson. Forthcoming in 2011. *Nonviolent Revolutions: Civil Resistance in the Late 20th Century.* New York: Oxford University Press.

Nepstad, Sharon Erickson and Stellan Vinthagen. Forthcoming in 2011. "Culture and Strategic Choices: A Comparison of the British and Swedish Plowshares Movements." Chapter 4 in *Strategy in Action,* edited by Gregory Maney, Jeff Goodwin, and Rachel Kutz-Flamenbaum. Minneapolis: University of Minnesota Press.

Conference Presentations

Andrews, Justine. "A Kingdom or a Colony? Meaning and Identity in Late Medieval Latin Architecture on Cyprus." State Formation, Revisiting An Earlier Conversation, A Council of American Overseas Research Centers Sponsored Workshop, 21-22 May 2010, Beacon Hotel, Washington, D.C.

Andrews, Justine. "Armenian Frescoes in Famagusta, Cyprus." Medieval Association of the Pacific, Annual Conference, University of Puget Sound, Tacoma, Washington, March 2010.

Andrews, Justine. "Post-crusade and Post-colonial: Latin Architecture in Fourteenth -Century Cyprus." College Art Association, Chicago, IL, February 2010. Conference presentation

Gerber, Lisa. Commentator on "Environmental Virtues and Environmental Justice Panel." Environmental Philosophy Annual Meeting. Estes Park, Colorado. June 8-11, 2010.

Gerber, Lisa. Commentator on "Environmental Degradation, Environmental Justice and the Compassionate Agent" Environmental Philosophy Annual Meeting. Estes Park, Colorado. June 8-11, 2010.

Hester, R. K., Campbell, W., & **Delaney, H.D.** The College Drinker's Check-up: Outcomes of two randomized clinical trials of a computer-based intervention. Presented to the Research Society on Alcoholism, San Antonio, June, 2010.

Hester, R. K., Campbell, W., & **Delaney, H.D**. ModerateDrinking.com & Moderation Management: 12-month outcomes of a randomized clinical trial. Presented to the Research Society on Alcoholism, San Antonio, June, 2010.

Nepstad, Sharon Erickson. "Religion and Mutiny in 20th Century Nonviolent Uprisings." Paper presented at the 2009 meeting of the Association for the Sociology of Religion, San Francisco. August 2009.

Oberst, Joachim. "The Hidden Theology of Heidegger's Philosophy". Paper presented at the Southwest Seminar in Continental Philosophy, Albuquerque, NM, May 28, 2010.

Rice, S. L., Glynn, L. H., & **Delaney, H. D.** Initial testing of a quantitative, self-report measure of ambivalence towards ending problem drinking in a development sample. Presented to the Research Society on Alcoholism, San Diego, June, 2009.

Smith, J. E., Meyers, R. J., **Delaney, H. D.**, Gianini, L. M., Austin, J. L., Campos-Melady, M., & Belon, K. CRA with homeless women: Employment outcomes. Presented to the Twelfth International Conference on the Treatment of Addictive Behaviors (ICTAB-12), Santa Fe, February, 2010.

Vicuña, B., & **Delaney, H. D**. Personality predicts forgiveness better when offenses are severe. Presented to the Society for Personality and Social Psychology, Las Vegas, January, 2010.

Rice, S. L., Moyers, T. B., & **Delaney, H. D**. Motivational Interviewing (MI) Network of Trainers perspectives about ambivalence to change drinking. Presented at the annual meeting of the Research Society on Alcoholism, San Antonio, June 2010.

Works in Progress

Candelaria, Michael. *The Latino Christ.* (book manuscript).

Oberst, Joachim. *Between Modernism and Fascism: Heidegger's Self-Assertion of the German Language.*

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Risso, Patricia. "The Hostage Business: Pirates and their Adversaries in Western India, late 17th c.," To be presented at the international conference, "Asian Piracy in Historical Perspectives," to be held Nov. 14-16, 2010 at the University of Macau.

DEPARTMENT OF SOCIOLOGY

College of Arts and Sciences

University of New Mexico

ANNUAL REPORT

JULY 1, 2009 – JUNE 30, 2010

Dr. Beverly Burris, Department Chair

DEPARTMENT OF SOCIOLOGY
JULY 1, 2009 – JUNE 30, 2010

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DEPARTMENT OF SOCIOLOGY
JULY 1, 2009 – JUNE 30, 2010

Significant Developments and Professional Activities During the Academic Year 2009-2010

Departmental

- The department held a day-long retreat on September 11, 2009 at Hotel Albuquerque. During this time we discussed how we could strengthen our departmental academic mission, and discussed charges to our standing committees for this academic year.

Dr. Lisa Broidy

Consulting:

- Research/Evaluation Consultant. January 2007-present. New Mexico State Attorney General's Office. Department of Justice Grant to Promote Uniform Enforcement of Domestic Violence Orders of Protection.
- Research/Evaluation Consultant. June 2007-present. University of New Mexico, Department of Chemical Engineering. National Science Foundation REU and IGERT grants (PI: Abhaye Dayte).

Presentations:

Invited Presentations:

- Broidy, Lisa, March, 2010. *Criminology and Terrorism Studies.* Presentation to National Security Studies Program Faculty and Students. UNM.
- Broidy, Lisa. July, 2009. *Domestic Violence Orders of Protection in New Mexico: Assessing Access and Utilization.* Presentation to UNM Law Students in summer course on domestic violence law.
- Broidy, Lisa and Cameron Crandall. 2009. *Enforcing Domestic Violence Orders of Protection in New Mexico: Barriers, Facilitators and Best Practices.* Presented to the Attorney General's Task Force for the Enforcement of DVOP and at various trainings on DVOP enforcement in New Mexico.

Presentations at Professional Meetings:

- Kleymann, Erin, Broidy, Lisa and Cauffman, Elizabeth. November 2009. *Motherhood and Offending: A Test of Two Theoretical Explanations.* Presented at the Annual Meetings of the American Society of Criminology. Philadelphia, PA.

Service for Professional Societies:

- Executive Committee, Elected Member, 2010. Justice Research and Statistics Association.
- Research Committee, Member, 2009, 2010. Justice Research and Statistics Association.

Community Service

- Director, New Mexico Statistical Analysis Center (NMSAC), Spring 2006-present. State Agency housed at the University of New Mexico, Institute for Social Research.
- Research Advisor and Trainer, NM Attorney General's Office, Grant to Encourage Arrests for Domestic Violence Restraining Orders.

University Service

- Director, UNM Institute for Social Research (ISR), Summer 2006-present.
- Human Subjects Research Institutional Review Board. University of New Mexico. Member: Fall 2006-present.
- Ex-offender Admissions Review Committee. University of New Mexico. Member: Spring 2006-present.
- UNM Marathon Club, Faculty Advisor. Spring 2010-present.

Forthcoming publications

- Botchkovar, Ekaterina and Lisa Broidy. (*forthcoming*) Accumulated Strain, Negative Emotions, and Crime: A Test of General Strain Theory in Russia." *Crime and Delinquency.*

Papers under Review or in Preparation

- Willits, Dale, Lisa Broidy, and Kristine Denman. Schools and Neighborhood Crime. Under review at *Justice Quarterly.*
- Daday, Jerry, Lisa Broidy, and Dale Willits. Institutional Anomie Theory, Political Corruption, and Cross-National Homicide Rates. Under Review at *Homicide Studies.*
- Botchkovar, Ekaterina and Lisa Broidy. Parenting, Self-Control, and Alcohol Abuse in Russia: A Gendered Analysis. Under Review at *Journal of Research in Crime and Delinquency.*
- Willits, Dale, Lisa Broidy, Anne Lippert, and Thomas Caudell. The Case for Agent Based Modeling in Criminology. In preparation for *Journal of Quantitative Criminology.*
- Willits, Dale, Lisa Broidy, Anne Lippert, and Thomas Caudell. Testing General Strain Theory: An agent based modeling approach. In preparation for *Journal of Quantitative Criminology.*

Dr. Beverly Burris

- "Universities in Crisis," Paper presented at the July 2009 SASE Meeting; Paris, France.

Dr. Richard Coughlin

Editing

- Editorial Board, *Journal of Socio-Economics*
- Editorial Board, *Open Journal of Political Science*

Service

- Departmental service: Chair, Curriculum Committee, Department of Sociology
- University service: Retirement Incentive Task Force

Works in Progress

- The Limits of Neo-liberal Social Policy Reform: Public Opinion in Sweden in the 1990s (under review)
- "Community Mental Mental Care Reform in Sweden and the U.S" (in progress)

Dr. Robert Fiala

Department Service

- Associate Chair, Director of Graduate Program, Assessment Coordinator
  Taught additional sections of Sociology 481
- Member of exam, thesis and dissertation committees
  Details available on request

University Service

- Member, Undergraduate Committee, Arts and Sciences

Paper Presented at ASA, Atlanta, 2010

- "*Ideology and Utopia in Educational Systems: A Critical Assessment of School Reform.*"

Dr. Jane Hood

Offices

- PSA: Publications Committee Member (2010-2012)

Service

Community Service:

- I continue to manage Dysnet-l a listerv for LD families and individuals, and after attending a mediated meeting on March 18, 2010 with NMPED to discuss my 2009 OCR complaint, I created and distributed a document for parents of LD students outlining the waiver process for LD students on 504 plans (*Exit Exams and Graduation Options for Students with Specific Learning Disabilities:* April 26 2010).

Departmental Service:

- *Dept. Honors Coordinator*
- *Member:* Undergraduate Committee
- *Research and Computer Use Committee*

University Service:

- *Advocate for accessible parking* at UNM (February 2010 to present):

Work in progress and forthcoming

- "Parenting a youthful offender," Forthcoming Vol. 35 of *Studies in Symbolic Interaction: A Research Annual.* Edited by Norman Denzin. Greenwich Conn.: JAI Press, Nov. 2010.
- In progress: Finished revision of "Inconvenient terms" mss
- Journal article manuscript on the quantiative data analysis done for the Discipline Gap project

- Book: *Unequal Educations.* We are still working on literature review, coding, and data analysis, and hope to start writing chapters by Spring/Summer 2011.

Dr. Nancy Lopez

Presentations

- "Building Excellent, Diverse and Just Communities: A Conversation Among Artists, Academics and Activists," Opening Plenary, Organized by Patricia Hill Collins, ASA President, American Sociological Association, San Francisco, CA, August 7-11, 2009.

- "Discipline in a Diverse H.S." with Jane Hood, Society for the Study of Social Problems, San Francisco, CA, August 5-7, 2009.

- "The Disciplinary Politics of "Race:" An Exploration of Scholarly Associations Approach to Race in a Color-blind Era " with Laura Gomez, UNM Anthropology Colloquia Series, May 6, 2010.

- "Faculty of Color Tenure Workshop," Title V UNM, April 7, 2010

Service

- Organized & Facilitated, Speakers Series, "Troubling 'Race': Cutting Edge Research Design Across the Disciplines," Institute for the Study of "Race" & Social Justice, RWJF Center for Health Policy, (ea. seminar had 75-100 participants, 105 Hibben Center, UNM)

Essays & Policy Reports:

- "Trans-disciplinary Guidelines for Research on 'Race,'" Trans-disciplinary "Race" Working Group, Spring 2010, Institute for the Study of "Race" & Social Justice, Robert Wood Johnson Foundation Center for Health Policy, University of New Mexico, http://healthpolicy.unm.edu/node/486

- "Indian Education in New Mexico, 2025," with co-principal investigators Theodore Jojola, Tiffany Lee, Carlota Bird, Mary Belgarde, Beverly Singer and Adelamar Alcantara, New Mexico Public Education Department, June 2010, 185pp.

Under review

- "*Schools Under Surveillance: Cultures of Control in Public Education.*" Torin Monahan and Rodolfo D. Torres (editors). *Contemporary Sociology,* Submitted March 2010.

Grant Proposals

- A Trans-disciplinary Workshop: Best Practices to Measure "Race," $35,000, Proposal Submitted to the Russell Sage Foundation, Principal Investigators: Laura E. Gómez, J.D., Ph.D. and Nancy López, Ph.D., Co-directors, Institute for the Study of "Race" & Social Justice, Robert Wood Johnson Foundation Center for Health Policy, University of New Mexico, March 24, 2010 (not funded).
- Revisiting Race: A Trans-disciplinary Workshop for Quantitative and Qualitative Social Scientists, $50,000, Law and Society Program, Principal Investigators: Laura E. Gómez, J.D., Ph.D. and Nancy

López, Ph.D., Co-directors, Institute for the Study of "Race" & Social Justice, Robert Wood Johnson Foundation Center for Health Policy, University of New Mexico, proposal in-progress.

Dr. Christopher Lyons

Conference Presentations

- Lyons, Christopher J. 2009. "The Social Organization of Racially Motivated Crime." Presented at the Criminal Justice Research Center, The Ohio State University.
- Velez, Maria B and Christopher J. Lyons. 2009. "The Long-term Consequences of Bank Disinvestment on Neighborhood Crime: An Analysis of Albuquerque Neighborhoods (1990-2006)." Presented at the annual meetings of the American Society of Criminology, in Philadelphia.

Departmental Service

- Medical sociology search committee
- Research and computer use committee (and sociology speaker series)
- Criminology Task Force, member
- Graduate Committee, member
- Executive Committee, member
- Website Committee, member

Forthcoming and in process work

- Aki Roberts and Christopher J. Lyons. 2010. "Hispanic Victims and Homicide Clearance by Arrest." *Homicide Studies*, Forthcoming.
- Velez, Maria B. and Christopher J. Lyons. "Situating the Immigration and Crime Relationship across Multiple Neighborhood and Metropolitan Contexts." Forthcoming book chapter.
- Lyons, Christopher J. and Aki Roberts. "Clearing Hate Crime: A Multilevel Event History Analysis of Incident and Contextual Factors."
- Lyons, Christopher J. and Maria B. Velez. "The Political Economy of Neighborhood Viability: A Growth Curve Analysis of Seattle Neighborhoods, 1980-2007."
- Lyons, Christopher J. and Beth Hirsh. "Neighborhood Context and Perceptions of Group-level Racial Discrimination."
- Velez, Maria B. and Christopher J. Lyons. "Assessing the Relationship between Home Mortgage Lending and Neighborhood Crime in Seattle: 1980-2007."

Service to the Profession

- Manuscript reviewer for *Social Forces, Social Problems, Sociological Inquiry, Sociological Forum, Social Science Quarterly, Law and Social Inquiry.*

Dr. Phil May

2010 Presentations

- NIDA Blending Conference, FASD Workshop, April 22, 2010
- Pediatric Grand Rounds on Fetal Alcohol Spectrum Disorders, Sanford School of Medicine, the University of South Dakota, June 17, 2010
- Sarah N. Mattson, S.C. Roesch, Kenneth L. Jones, Asa Fagerlund, Ilona Autti-Ramo, Philip A. May, Colleen M. Adnams, V. Konolova, Edward P. Riley, and the CIFASD, "Neurobeahvioral Insights into Fetal Alcohol Spectrum Disorders: A Multi-site, Multi-Method Approach." (Abstract) Alcoholism: Clinincal and Experimental Research 34(S6):245A, 2010.

2009 Presentations

- Three invited lectures on Researching the Prevalence and Characteristics of FASD, Health Ministry of Scotland, Edinburg and Glassgow, Scotland May 15 – 17, 2009.
- "FASD Prevalence: Are the Current Estimates for the General Population Too Low?" Oral Presentation, Research Society on Alcoholism, Fetal Alcohol Spectrum Disorders Study Group, June 20, 2009.
- Institute of Health Economics and Government of Alberta, Consensus Development Conference. "The Prevalence and Incidence of FASD Internationally." Edmonton, Alberta, Canada, October 7-9, 2009.
- "Researching the Prevalence and Characteristics of FASD."Asian Pacific Research Society on Alcoholism. Seoul, South Korea, November, 2009.

Dr. Sharon Nepstad

Conference Presentations

- "Religion and Mutiny in 20th Century Nonviolent Uprisings." Paper presented at the 2009 meeting of the Association for the Sociology of Religion, San Francisco.

Offices in Professional Societies

- Member of the Publications Committee, ASA section on Collective Behavior and Social Movements
- Member of the Outstanding Book Award Committee, ASA section on Peace, War, and Social Conflict

Service to the Profession

- Reviewer for *American Sociological Review, Social Problems, Peace and Change*

Awards

- Chosen as the 2009 Annual Lecturer in Religion and Peace at the Center for the Study of Religion and Conflict, Arizona State University. Presentation entitled "Peaceful Revolutions: Religion, Nonviolence, and Citizen Uprisings in the Late 20th Century."
- Winner of the 2009 Outstanding Book Award from the Peace, War, and Social Conflict Section of the American Sociological Association for my book, *Religion and War Resistance in the Plowshares Movement.*

Departmental Service

- Member of the Graduate Committee
- Member of the Executive Committee
- Chair, Stacy Keogh's dissertation committee
- Committee Member, Elena Windsong's dissertation committee
- Panel participant for departmental colloquium on graduate research proposals

University Service

- Director, Religious Studies Program
- Committee member, Peace Studies Program
- Member of the Committee on Staff Concerns (A&S)
- Member of the IT Committee (A&S)
- Member of the Search Committee for Visiting Professor of Catholic Studies

Dr. John Roberts

Presentations

- 2010 J. M. Roberts, Jr., J. J. Clark, W. R. Haas, Jr., B. J. Mills, D. L. Huntley, & M. A. Trowbridge. Ceramic assemblages and network representations of the San Pedro valley, Arizona, A.D. 1200-1400. Presented at meeting of the Society for Anthropological Sciences, Albuquerque.

Awards

- Emerald Publishing's Outstanding Paper Award for Policing, 2010; awarded to A. Roberts & J. M. Roberts, Jr., for "Impact of network ties on change in police agency practices".

Dr. Wayne Santoro

Presentations

- I presented a paper at the 2010 Politics of Race, Immigration and Ethnicity Consortium Spring Conference, Stanford University.

Service/Departmental

- Executive Committee Member
- Honors Program Coordinator
- Undergraduate Committee
- Diversity Task Force

Forthcoming Publications

- "Generational Status and Mexican American Political-Participation" (co-authored with Gary Segura), forthcoming in *Political Research Quarterly*.

Papers under review

- "Cross-Cutting Solidarity Ties and Protest Participation," (co-authored with Stacy Keogh) under review at *Social Forces*.

In progress

- Review of the book *Replenished Ethnicity* for the journal *Social Forces* that should come out in 2010.

Professional Service

- Reviewer for *American Journal of Sociology, Social Forces, American Journal of Political Science, and Sociological Perspectives.*

Dr. Andrew Schrank

Awards

- Best article award from the ASA PEWS section, 2009

Service

Departmental service:

- Interim Graduate Advisor, Sociology Department.

University service:

- LAII Executive Committee member; ICLAS member

Talks

- "Private Actors and Labor Rights: A Skeptical Perspective." Presented at the Fair Labor Association Stakeholder meeting on "Governance Gaps in Global Supply Chains – Can Private Actors Deliver the Public Goods?," Arnold & Porter, Washington, DC, June 17, 2010.
- "Co-producing Workplace Transformation: The Dominican Republic in Comparative Perspective." Presented at the "HBS International Research Conference," Harvard University, May 13-14, 2010.
- "A Developmental Agency in a Predatory State: The Ministry of Labor in the Dominican Republic." Presented at the "Workshop on States, Development and Global Governance," University of Wisconsin, Madison, March 12-13, 2010.
- "Fiscal Responsibility Laws in the Developing World: Origins and Implications." Presented at Society for the Advancement of Socio-Economics, Paris, France, July 17, 2009. Featured Panel: "Dynamics of Finance Capital."
- "Labor Law Enforcement in Latin America: European Models, US Influence, and Local Outcomes." Plenary address to the "Regulating Decent Work Conference," International Labour Organization, Geneva, Switzerland, July 8, 2009.

Panels

- "Author meets Critics: Glenn Morgan et al, Oxford Handbook of Comparative Institutional Analysis (2010)." 22nd Annual Meetings of the Society for the Advancement of Socio-Economics, Philadelphia, Pennsylvania, June 24, 2010. Panelist.

- "Relational Work in Economic Sociology." University of California, Davis, May 1, 2010. Discussant.
- "Development and Social Inequality." 104th Annual Meeting of the American Sociological Association, San Francisco, California, August 10, 2009. Discussant.
- Board member: AJS, Politics & Society, Latin American Politics & Society
- Professional associations: co chair of Economics and Politics Section of LASA; council member of Labor and Labor Movements Section of LASA; council member of SASE

Professional Service

- Selection Committee member, International Dissertation Fellowship Program, 2009-10.
- Research Director, Dissertation Proposal Development Fund, 2009.
- Faculty facilitator, International Dissertation Fellows'
- Conference, Memphis, Tennessee, October 15-20, 2009.
- Selection Committee member, Dissertation Proposal Development Fund, 2009-12.

Manuscript and Grant Reviewer

- *American Journal of Sociology;; American Sociological Review; Economy & Society; Globalizations; International Journal of Urban and Regional Research; International Studies Quarterly; Journal of Politics; Latin American Politics and Society; Research Policy*; Cambridge University Press; Georgetown University Press; Pennsylvania State University Press; Social Science Research Council.

Editorial Activity

- *American Journal of Sociology*, consulting editor, 2008-
- *Latin American Politics and Society*, board member, 2007-
- *Politics and Society*, board member, 2008-
- University of New Mexico Department of Sociology: Acting Director of Graduate Studies, July 2009-
- Latin American Studies: Interdisciplinary Committee on Latin American Studies, member, 2005-
- Latin American and Iberian Institute: Executive Committee, member, 2007-
- Society for the Advancement of Socio-Economics. Executive Council, member, 2009-2012.
- Annual Meeting Program Committee 2008, member, 2007-2008
- Social Science Research Council, Selection Committee member, International Dissertation Fellowship Program, 2009-10.
- Research Director, Dissertation Proposal Development Fund, 2009.
- Latin American Studies Association: Organized Section on Labor, council member, 2009-

Dr. Susan Tiano

Service

- Director, Latin American and Iberian Institute (March 2009 to present)
- Evaluator, NIH-funded program, Minority Access to Research Careers (MARC), UNM, June 2006 to present
- Evaluator, NIH-funded program, Initiatives for Minority Student Development (IMSD), UNM, February 2005 to present
- Evaluator, IMSD Project, Department of Biology;
- Evaluator of MARC Program, Department of Biology, 2001 to present.

- Human Subjects Institutional Review Board (IRB), 2000 to present.
- Executive Committee, 21 Club, 2004 to present.
- Recruitment Committee, Sociology Department, 2009-2010.

Awards

- Alumni Association's Faculty Award, 2009

Forthcoming work

- "Women, Work, and Politics," in Richard S. Hillman (ed.) Understanding Contemporary Latin America, 4th edition, forthcoming.

- *Human Slavery in the Americas*, 1st Co-editor, with Moira Murphy, in progress.

Dr. Maria Velez

Service on UNM or other committees

- Mellon Foundation Advisory Committee (2007 to present)
- Criminology Hiring Committee member
- Criminology Task Force member (2007 to present)
- Racial Equity and Inclusion Taskforce member (2009 to present)
- Southwest Hispanic Research Institute faculty member (2007 to present)

Forthcoming work

- Arndt, Stephan, María B. Vélez, Lisa Segre and Rebecca Clayton. In press, 2010. "Remission from Substance Dependence in U.S. Whites, African-Americans, and Latinos" *Journal of Ethnicity in Substance Abuse*.

Offices held at UNM or elsewhere

- Member of the Steering Committee for Racial Democracy, Crime and Justice Network housed at The Ohio State University
- Chair, Minority Affairs Committee, American Society of Criminology

Outside Professional Activities: including conferences attended, papers presented.

- Attended the American Society of Criminology meetings in St. Louis, Missouri and presented with Christopher Lyons the following talk: "Bank Investment and Neighborhood Crime"
- Invited to present the following paper, "The Implications of a Foreign Born Community for Community Homicide Levels in Albuquerque and Chicago" at a NSF Supported Immigration Research Workshop, Social Science Research on Immigration: The Role of Transnational Migration, Communities and Policies. Conference held at Arizona State University.
- Member of the Steering Committee for Racial Democracy, Crime and Justice Network housed at The Ohio State University

Papers under review

- Vélez, María B. and Kelly Richardson. "The Political Economy of Neighborhood Homicide in Chicago: The Role of Bank Investment" Revise and Resubmit at Justice Quarterly.

- Vélez, María B. and Christopher Lyons. "Contextualizing the Immigration and Neighborhood Crime Effect: A National Study of Neighborhoods" submitted book chapter for "Collateral Consequences of Immigration Policies: Confounding Effects and Immigrant Responses" by NYU Press.

Dr. Howard Waitzkin

Awards

- Presidential Teaching Fellow of the Year Award (Highest Teaching Award), University of New Mexico, 2010-2012.
- Distinguished Professor (Highest Faculty Rank), University of New Mexico, 2006-present.
- Who's Who in America, 1992-2010
- Who's Who in Medicine and Healthcare, 2002-2010
- Selected for listing in The Writers Directory, 1994-2009

Service

- Institutional coordinator for the University of New Mexico, Alliance for Health Policy and Systems Research, World Health Organization, 2000-2009.

- In the Department of Sociology, I serve on the Curriculum Committee and have worked on plans for undergraduate and graduate emphases in Medical Sociology and Health Policy.

- In 2005-2006, I served on the Committee on the Human Services and Social Policy Concentration. In 2007-2010, I served on the Search Committee for Professor of Medical Sociology under the Robert Wood Johnson Foundation Center on Health Policy. In 2008-2009 I was elected to serve on the Executive Committee. In 2009-2010, I served on the Minority Task Force.

Outside professional activities

- Participant in the Society of General Internal Medicine (SGIM), the Medical Sociology Section of the American Sociological Association, and the Health Care and Health Services Research Section of the Society for the Study of Social Problems, 1987-2009.
- Initiator; member of leadership committee; responsible for needs assessment survey, East Mountain Health Care (a coalition to initiate a network of community-based, rural health centers, New Mexico; first health center opened in Edgewood, NM, April 2003), community advisory board member of First Choice Community Healthcare rural health center, 1999-2010.
- Institutional coordinator for the University of New Mexico, Alliance for Health Policy and Systems Research, World Health Organization, 2000-2009.
- Founder and president, Salvador Allende Program in Social Medicine (a charitable 501c3 tax-exempt organization), incorporated in New Mexico, 2005-2010.
- Initiator and coordinator, Civilian Medical Resources Network, a national network of health and mental health professionals to provide independent medical assessment and treatment for active duty members of the armed forces, in collaboration with the GI Rights Hot Line and the Military Law Task Force of the National Lawyers Guild, 2005-2010.

- Elected chair, Marxist Sociology Section, American Sociological Association, 2008-2010.
- Member, Fair Trade Steering Committee, Town of Taos, New Mexico, 2008-20010.

Dr. Richard Wood

Professional Service

- Invited Co-Editor of the Cambridge Studies in Social Theory, Religion, and Politics of the Cambridge University Press (2010-2013).

- Consultant (pro-bono) for national "Congregational Studies Project" of the Engaged Scholars Network at Louisville Presbyterian Theological Seminary (Nov 16-18, 2009).

Presentations

- "American Public Catholicism: Cultural & Institutional Presence, and Future Promise," paper presentation at a convening on Catholicism in the United States at the University of Notre Dame (September 2009).

- Organizer and Presider at special invited session on "The Role of Community Organizing in Democratic Renewal" at the annual meeting of the American Sociological Association in San Francisco (August 2009).

University Service

- President-elect (July 2009-April 2010) to President (May 2010-June 2011) of the UNM Faculty Senate.

- Co-Chairperson of the Shared Governance Task Force on Retirement Incentives, co-convened by President David Schmidly and the UNM Faculty Senate (2009-2010).

Works in progress

- *Faith and the Fire of Public Life*: Book manuscript on impact of public engagement on diverse religious congregations.

- Forthcoming: "Public Catholicism": Book chapter on American Catholicism in the public arena, accepted for publication in The Future of American Catholicism, accepted for publication by Columbia University Press (eds: Timothy Matovino and Patricia Killen).

- Two chapters in edited volume on "identity and place within social movements," one with doctoral student Stacy Keogh on Christianity in Central America and one with doctoral student Soumia Dhar on Muslim Brotherhood in Egypt.

Community presentation

- "Faith and Work in the Public University," address to the DEI Business Forum, Albuquerque, New Mexico (September 2010).

DEPARTMENT OF SOCIOLOGY
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Appointment and Separations

Dr. Yvonne Zylan was hired as an Associate Professor and began in August 2009.

Karen Majors, our Academic Advisor, left to take a position in the A&S Advising Office on April 30, 2010.

Kaitlin Coalson, our new Academic Advisor, began work in the department on June 21, 2010.

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Faculty Publications

Dr. Lisa Broidy

Book Chapters

- Asha Goldweber, Lisa Broidy, and Elizabeth Cauffman. (2009). "Interdisciplinary Perspectives on Persistent Female Offending: A Review of Theory and Research For The Development of Persistent Criminality". In *The Development of Persistent Criminality*, edited by Joanne Savage. Oxford: Oxford University Press.

Technical Reports:

- Denman, Kristine, Danielle Albright, Lisa Broidy, Erin Kleymann. 2009. Petitioning for a Domestic Violence Order of Protection: An Examination of Abuse Descriptions, Outcomes, and Multiple Petition Filings. Final report to *Bureau of Justice Statistics.*
- Broidy, Lisa, Dale Willits and Kristine Denman. 2009. Schools and Neighborhood Crime. Final Report to *Justice Research and Statistics Association.*

Dr. Christopher Lyons

- Hirsh, Beth and Christopher J. Lyons. 2010. "Perceiving Discrimination on the Job: Legal Consciousness, Workplace Context, and the Construction of Race Discrimination." *Law and Society Review* 44 (2):269-98.
- Pettit, Becky and Christopher J. Lyons. 2009. "Incarceration, Employment and Wages over the Life Course." *Law and Society Review* 43(4): 725-56.

Dr. Phil May

- Philip A. May, J. Phillip Gossage, Wendy O. Kalberg, Luther K. Robinson, David G. Buckley, Melanie Manning, and H. Eugene Hoyme. "The Prevalence and Epidemiologic Characteristics of FASD from Various Research Methods with an Emphasis on In-School Studies." Developmental Disabilities Research Review. 15: 176-192, 2009.
- Sarah N. Mattson, S.C. Roesch, Asa Fagerlund, Ilona Auti-Ramo, Kenneth L. Jones, Philip A. May, Colleen M. Adnams, V. Konovalova, Eward P. Riley and the CIFASD. Towards a Neurobehavioral Profile of Fetal Alcohol Spectrum Disorders. Alcoholism: Clinical and Experimental Research. 34(9):1640-1650, 2010.
- Mattson SN, Foroud T, Sowell ER, Jones KL, Coles CD, Fagerlund A, Autti-Rämö I, May PA, Adnams CM, Konovalova V, Wetherill L, Arenson AD, Barnett WK, Riley EP; CIFASD. Collaborative Initiative on Fetal Alcohol Spectrum Disorders: Methodology of Clinical Projects. Alcohol. 2009, Dec 24. [Epub ahead of print]
- Arenson AD, N Bakhireva L, Chambers CD, A Deximo C, Foroud T, Jacobson JL, Jacobson SW, Jones KL, Mattson SN, May PA, S Moore E, Ogle K, Riley EP, Robinson LK, Rogers J, Streissguth AP, C Tavares M, Urbanski J, Yezerets Y, Surya R, Stewart CA, Barnett WK. Implementation of a Shared Data Repositiory and Common Data Dictionary for Fetal Alcohol Spectrum Disorders Research. Alcohol. 2009. Dec 24. [Epub ahead of print]
- Philip A. May, J. Phillip Gossage, Matthew Smith, Barbara G. Tabachnick, Luther K. Robinson, Melanie Manning, Mauro Cecanti, Kenneth Lyons Jones, Denis Viljoen, Nathaniel Khaole, David G. Buckley, Wendy O. Kalberg, and H. Eugene Hoyme. "Population Differences in Dysmorphic Features among Children with Fetal Alcohol Spectrum Disorders." Journal of Developmental and Behavioral Pediatrics. 32:304-316, 2010.
- Tassy Parker, Marcello A. Maviglia, Phyllis Trujillo-Lewis, J Phillip Gossage, and Philip A May. Identifying Associations Between Serious Psychological Distress and Self-Reported Current Drinking Problems among Plains Indian Mothers. Substance Abuse Treatment, Prevention, and Policy. 5(22): 1-9, 2010.

Dr. Sharon Nepstad

Book Contract

- Contract received from Oxford University Press for my manuscript, *Nonviolent Revolutions: Civil Resistance in the Late 20th Century*

Book Reviews

- 2010. Review of David Smilde's *Reason to Believe: Cultural Agency in Latin American Evangelicalism* (University of California Press). *Sociology of Religion* 70(4): 459-461.

- 2009. Review of Paul Christopher Johnson's *Diaspora Conversions: Black Carib Religion and the Recovery of Africa* (University of California Press). *American Journal of Sociology* 115 (1): 280-282.

- 2009. Review of David Cortright's *Peace: A History of Movements and Ideas* (Cambridge University Press). *Peace Review* 21(3): 417-419.

Encyclopedia Articles

- Nepstad, Sharon Erickson. 2010. "War Resistance and the Catholic Left." In the *Oxford International Encyclopedia of Peace.* Edited by Nigel Young. New York: Oxford University Press.

- Nepstad, Sharon Erickson. 2010. "The Sanctuary Movement."

- In the *Oxford International Encyclopedia of Peace.* Edited by Nigel Young. New York: Oxford University Press.

Dr. Andrew Schrank

Articles:

- "The Sociology of Development and the Development of Sociology." *Sociologica* 1 2010.

- "Incubating Innovation or Cultivating Corruption? The Developmental State and the Life Sciences in Asia." *Social Forces* 88 (3) 2010. Co-authored with Cheol-Sung Lee, University of Chicago.

- "Industrial Policy in the United States: A Neo-Polanyian Interpretation." *Politics & Society* 37 (4) 2009. Co-authored with Josh Whitford, Columbia University.

Book chapters:

- "Labor Organizations and their Role in the Era of Political and Economic Reforms." Pp. 247-68 in Carlos Scartascini, Ernesto Stein, and Mariano Tommasi, eds., *How Democracy Works: Political Institutions, Actors, and Arenas in Latin American Policymaking.* Cambridge: Harvard University Press, 2010. Co-authored with M. Victoria Murillo, Columbia University.

- "Green Capitalists in a Purple State: Sandia National Laboratories and the Renewable Energy Industry in New Mexico." Pp. 96-109 in Fred Block and Matt Keller, eds., *States of Innovation: Technology Policy in the United States.* Boulder: Paradigm, 2011.

- "The Paradox of the Weak State Revisited: Industrial Policy, Network Governance, and Political Decentralization in the United States." Pp. 261-81 in Fred Block and Matt Keller, eds., *States of Innovation: Technology Policy in the United States.* Boulder: Paradigm, 2011. Co-authored with Josh Whitford, Columbia University. (appeared in 2010)

Dr. Maria Velez

Articles

- Vélez, María B. 2009. "Banks and the Racial Patterning of Crime: A Study of Chicago Neighborhoods." *The International Journal of Conflict and Violence* 3:154 –171.

- Vélez, María B. 2009. "Contextualizing the Immigration and Crime Effect: An Analysis of Chicago Neighborhoods." *Homicide Studies* 13:325-335.

- Arndt, Stephan, María B. Vélez, Lisa Segre and Rebecca Clayton. In press, 2010. "Remission from Substance Dependence in U.S. Whites, African-Americans, and Latinos" *Journal of Ethnicity in Substance Abuse.*

Dr. Howard Waitzkin

Publications during the time period.
(* = peer reviewed, † = corresponding author)

- Jasso-Aguilar R, Waitzkin H. Corporaciones multinacionales, el estado y la medicina contemporanea (Multinational corporations, the state, and contemporary medicine). Palimpsestus (Bogotá, Colombia, special issue on Ethics, Capitalism and Health), 2009.*

- Gottlieb L, Waitzkin H, Miranda J. Depressive symptoms and their social contexts: a qualitative systematic literature review of contextual interventions. International Journal of Social Psychiatry 2010; doi:10.1177/0020764010362863.*

- Whitfield A, Waitzkin H. The vicissitudes of public health policy in the Americas. Latin American Research Review 2009;44;216-224.* †

- Waitzkin H, Noble M. Caring for active duty military personnel in the civilian sector. Social Medicine/ *Medicina Social* 2009;4:56-69.* †

- Willging C, Waitzkin H, Lamphere L. Transforming administrative and clinical practice in a public behavioral health system: An ethnographic assessment of the context of change. Journal of Health Care for the Poor and Underserved 2009;20;866–883.

- Waitzkin H. Clarifying what a single-payer national health program is and is not -- and how it differs from a "public option" ["On the Other Hand" section; overall title: Selling the Obama plan: Mistakes, misunderstandings, and other misdemeanors]. American Journal of Public Health 2010;100:398-400.* †

- Waitzkin H. Social medicine, at home and abroad. In: Birn A-E, Brown T, eds. US Health Internationalists, Abroad and at Home. Piscataway, NJ: Rutgers University Press, 2009, in press. †

- Waitzkin H. Culture, communication, and somatization in health care. In: Brashers D, Goldsmith D, eds. Communicating to Manage Health and Illness. New York: Routledge, 2009. †

- Waitzkin H. Medicine and Public Health, at the the End of Empire. Boulder, CO: Paradigm

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Contracts and Grants

Dr. Lisa Broidy

Sponsored Research Activities:

- Factors Affecting Parole Violations and Revocations in New Mexico. Principal Investigator: Lisa Broidy. Grant from Justice Research and Statistics Association August 2009-July2010. ($57,374).

- Healthcare Decisionmaking among Mothers and Adolescent Daughters: The Case of the HPV Vaccine. Co-Principal Investigators: Lisa Broidy and Andrew Sussman. Grant from the Robert Wood Johnson Center for Health Policy at University of New Mexico. May 2009-May 2010 ($19, 519).

- Evaluation of New Mexico's Transition from Prison to Community Model. Principal Investigator: Lisa Broidy. Grant from *New Mexico Department of Corrections.* July 2009-June 2010. ($125,000).

- Cognitive Modeling of Emotional Agents to Improve Social Modeling and Situational Awareness. Principal Investigator: Thomas Caudell, Co-PI: Lisa Broidy. Grant from Defense Threat Reduction Agency. January, 2009-December 2010. ($300,000).

- Evaluating the Career Pathways Initiative. Principal Investigators: Lisa Broidy and Christopher Lyons. Grant from *New Mexico Department of Corrections.* March 2008-February 2009. ($50,000).

Dr. Nancy Lopez

Funded Research

- Mapping "Race" and Inequality: Best Practices for Theorizing and Operationalizing "Race" in Health Policy Research, $50,000, National Institutes of Health, Principal Investigators: Nancy López, Ph.D. and Laura E. Gómez, J.D., Ph.D., Co-directors, Institute for the Study of "Race" & Social Justice, Robert Wood Johnson Foundation Center for Health Policy, University of New Mexico, Positive First Round of Reviews, Submitted April 2010; Awarded September 2010.

Dr. Christophe Lyons

Grants

- "Criminal Justice Professionals' Attitudes Towards Offenders: Assessing the Link Between Global Orientations and Specific Attributions." Lisa Broidy (PI) and Christopher J. Lyons. *Bureau of Justice Statistics/JRSA.* ($50,000)

Dr. Phil May

- "FAS Prevention in South Africa: A Trial of the IOM Model". NIAAA September, 2006 - September 2011. $6,028,274. R01/UO1 AA015134.

- "A Long Term Follow-up Control Study of FASD Children and Their Mothers in South Africa." NIAAA. September 12, 2008. $277,645. Supplement R01 AA15134-03S1.

- "A Multisite Neurobehavioral Assessment of Fetal Alcohol Spectrum Disorders," NIAAA, September 30, 2007 - September 29, 2012. Part of the International Collaborative Initiative on Fetal Alcohol Spectrum Disorders (CIFASD). Co-Principal Investigator with Sarah Mattson, San Diego State University, Subcontract: $959,490, U01 AA14834.

- "New Mexico Access to Research Careers in Mental Health." NIMH. July 1, 2005 - June 30, 2011. $1,464,686. 2-T34-MH19101-16-20.

- Initiation of a Pilot Study of the Prevalence and Characteristics of FASD in Sioux Falls, SD, NIAAA, July 1, 2009 – June 30, 2011. $252,000, Supplement, R01 AA15134 - 04S1.

Dr. Susan Tiano

- Title VI NRC-FLAS, U.S. Department of Education, 2010-2014, $527,000 per year for 4 years, PI.

- LA-ENERGAIA: Energy Policy, Regulation, and Dialogue in Latin America," U.S.Department of Education, Technological Innovation and Cooperation for Foreign Information, 2009-2013, $87,000 per year for 4 years, Co-PI.

Dr. Maria Velez

- Vélez, María B. (principal investigator). April 2010. Documenting, Assessing and Enhancing the Community Work of La Plazita Institute. Proposal Submitted to the National Institute of Justice for a Criminal Justice Researcher-Practitioner Fellowship Placement Program ($600,000 over three years), decision pending

Dr. Howard Waitzkin

Funded Research:

- Program Director, National Institute of Mental Health, 1 R25 MH60288, "New Mexico Mentorship and Education Program," $323,822 over 2 years, funded 1999-2001; refunded for $484,890 over 3 additional years, 2002-2005; assigned "high program priority" by NIMH National Advisory Mental Health Council; refunded for $1,232,029 over 5 years, 2005-2010

- Program Director, RESIST (to Salvador Allende Program in Social Medicine), "Civilian Medical Resources Network," $3,600, 2008-2009.

- Principal Investigator, UNM Research Allocations Committee, "Civilian-Sector Services for Active-Duty Military Personnel and Veterans Suffering from Trauma," $4,000, 2009.

- Principal investigator, Robert Wood Johnson Foundation Center for Health Policy, University of New Mexico, "The County as the Fundamental Unit of Health Access in the United States," $16,162, 2008-2009.

- Principal investigator, Robert Wood Johnson Foundation Center for Health Policy, University of New Mexico, "Civilian-Sector Health and Mental Health Services for Active-Duty Military Personnel," $19,729, 2010-2011.

Dr. Richard Wood

Research Awards:

- "The Impact of the Pentecostal and Charismatic Movements on Local Community

- Organization and Civic Participation in Central America" (2010-2012 $395,292)

- Principal investigator; research grant for survey and ethnographic work and to launch a major research network in Central America, centered at the Universidad Centroamericana "Jose Simeón Cañas" (UCA) in El Salvador. Templeton Foundation and the University of Southern California's Center on Religion & Civic Culture.

DEPARTMENT OF SOCIOLOGY
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Graduates

Summer 2009

- Criminology B.A. graduates: 9 students

- Sociology B.A. graduates: 7 students

- M.A. Graduate: Aaron Diaz

- Ph.D. Graduate: Marjorie McConnell

Fall 2009

- Criminology B.A. graduates: 51 students
- Sociology B.A. graduates: 24 students
- M.A. Graduate: Jeffrey Nowacki
- Ph.D. Graduates: Kevin LaPoint & Azul La Luz

Spring 2010

- Criminology B.A. graduates: 50 students
- Sociology B.A. graduates: 41 students
- M.A. Graduate: Rebecca Erickson

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DEPARTMENTAL LECTURES AND PRESENTATIONS

Fall 2009

09/18-P. Rafael Hernandez-Arias- "Is there a Healthy Immigrant Paradox? Community Health Assets and needs Assessment of Four Chicago Communities"

10/09-Howard Waitzkin, Tenille Marley, Sonia Bettez-"The County as a fundamental Unit of Health Insurance coverage in the United States: Uneven Development, Ideology, and the Sociology of Place"

10/23-Jeff Nowacki- "Sugar, Spice, and Street Codes: The Influence of Gender, Race, and Cultural Capital on Attitudes towards Violence"

Part 2- Erin Kleymann (Separate Presentation) "Motherhood and Offending" A test of two Theoretical Explanations"

11-13-John Roberts-"Occupation and Crime: Victimization and Offending in Japan

Spring 2010

04/30/2010 Professionalization Panel: Prospectus/proposal writing with panel members Andrew Schrank, Sharon Nepstad, Rich Wood, Ryan Goodman, and Karen Majors.

04/23/2010 Elena Windsong, PhD student in Sociology, will present, "Communities and Intersectionality."

04/16/2010 Jody Miller, Professor, Department of Criminology and Criminal Justice University of -Missouri St. Louis will present, "Why 'Beach Boys' & not 'Beach Girls'? Gender Organization and Gendered Sexual Subjectivity in Sri Lanka's Tourist Sex Industry"

03/26/2010 Dr. Sharon Nepstad, Professor of Sociology & Director of Religious Studies at the University of New Mexico: "Perceptions of Repression: How Cultural Beliefs Shaped the Effects of Protest Control in the U.S. and Swedish Plowshares Movements."

03/12/2010 The Institute for the Study of "Race" and Social Justice presents, "Self-Identified Race Versus Genetic Ancestry for Lung Function Predictions Among African Americans" by Professor Esteban González Burchard, Biopharmaceutical Sciences and School of Medicine University of California, San Francisco. This presentation begins at 2 pm and will be held in Hibben Center room 105.

03/12/2010 Warren Thompson, MA student in Sociology: "Evangelizing the State: Mennonite Brethren in Paraguayan State Reform, 2003-2008."

02/19/2010 The Institute for the Study of "Race" and Social Justice presents, "The Economics of Colorism," by Professor William Darity, Sanford Institute of Public

Policy, Duke University. This presentation begins at 2 pm and will be held in Hibben Center room 105.

02/19/2010 Dr. Roberto P. Korzeniewicz, Associate Professor of Sociology at the University of Maryland: Unveiling Inequality: A World Historical Perspective. (presentation will begin at 3:30 pm)

02/12/2010 Sheryl Johnson (IRB Staff) and Scott Tonigan (IRB Chair): How to navigate the IRB process successfully

01/29/2010 Dr. Allen Whitt: A Ghost Ship, Limping Cats, the Only Person I Know in Sweden, and Other Oddities: Why Remarkable Coincidences Amaze Us, But Shouldn't.

12/11-Kevin LaPoint-"Liberal and Devout: Sources of Enthusiasms and Organizational Commitment within the Religious Niche"

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Annual Report

Institute for Social Research, 2009-2010

Prepared by Dr. Lisa Broidy and Dianne Mulder
October, 2010

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The Institute of Social Research is the research arm of the Sociology Department, which reports up through the College of Arts & Sciences at the University of New Mexico. Founded in September of 1987, ISR operates entirely on contracts and grants. Its mission is to conduct high quality research and evaluation that contributes to informed decision making among local, state, and federal policymakers and practitioners involved in social policy and to provide an intellectual training ground for both graduate and undergraduate students.

The Institute is home to multiple centers and state agencies that conduct basic and applied research and policy evaluation for local, state, federal, and private contractors. Our centers (described in more detail below) conduct research that inform policy and practice in the areas of criminal justice, education, substance abuse, and healthcare. In addition, two state agencies, the New Mexico Sentencing Commission and the New Mexico Statistical Analysis Center, are housed at ISR and both work closely with other ISR centers (particularly the Center for Applied Research and Analysis—CARA) whose research focuses on crime, criminal justice interventions, and statutory policy at the local and state levels. Much of the research ISR conducts is in collaboration with state and local agencies and community stakeholders. In this sense, the work conducted at the ISR advances both the research mission of the University as well as its community service and outreach goals.

Despite the recent economic downturn, ISR continues to grow. We have recurring contracts and our staff and faculty P.I.s continue to pursue and secure new lines of funding.

Structure:
The ISR Director (Dr. Lisa Broidy), in consultation with the Executive Committee, is responsible for the overall operation of the Institute. Executive Committee members follow:

Lisa Broidy, PhD
Richard Boyle, PhD
Paul Guerin, PhD
Dianne Mulder
Tony Ortiz, JD
Caryl Trotter, PhD
Howard Waitzkin, M.D., PhD

ISR Administrative Staff
Director: Dr. Lisa Broidy
Staff:
Dianne Mulder – Unit Administrator
Sean McDougle – Senior Fiscal Services Technician
Teddy Saenz – Office Administrator (on-call)
Trevor Turbov – Undergraduate Student IT worker (.75 FTE)

All ISR business operations, particularly as related to contract and grant accounting, payroll, and HR, are processed through this office. The Front Office staff also acts as the liaison between the numerous Centers operating under the ISR umbrella.

Centers:
Descriptions of the Centers operating out of the Institute for Social Research follow, along with a breakout of employees:

Albuquerque Metropolitan Central Intake
Operations Director: Dr. Caryl Trotter
Staff:
Sandra Chavez, Analyst/Programmer I
Mark Correa, Business Manager
Sara Corry, Senior Program Therapist
Rod Falanga, Analyst/Programmer 3
Silvia Gray, Administrative Assistant II
Tim S. Griffin, Substance Abuse Counselor
Troy Mantel, Office Administrator
Julie Morgan, Senior Substance Abuse Counselor
Marcia Pacheco, Senior Program Therapist
Justin Robbs, Computing Services Manager
Patricia Salazar, Administrative Assistant II
Jacque Schafer, Senior Substance Abuse Counselor
Michael Sherrie, Substance Abuse Counselor
Adrian Silva, Substance Abuse Counselor
Merle Snider, Analyst/Programmer 2
Erica Soskin, Social Worker
Carol Vigil, Senior Program Therapist

Albuquerque Metropolitan Central Intake became part of ISR effective July 1, 2007. AMCI is the result of a strategy proposed by the Target Cities Project to improve the substance abuse treatment delivery system by creating a central intake system. This method provides a way for clients needing treatment for substance abuse to be assessed and referred to treatment through a single point of entry. The City of Albuquerque is the funding agency.

New Mexico Sentencing Commission (NMSC)
Executive Director: Tony Ortiz, J.D.
Staff:
Renee Cordova – Business Manager
Michael Hall – Senior Attorney/Deputy Director
Randall Cherry – Senior Attorney (on-call)
Banyat Adipat – Technical Project Manager
Nancy Gettings – Program Coordinator
Margie Lueras – Program Coordinator (on-call)

The Sentencing Commission is funded by the state legislature to conduct research and analysis on criminal adult and juvenile justice issues. It reports annually to the legislature on the fiscal and societal impact of sentencing and the need for further reforms. In addition, the commission reviews proposed legislation that would create a new criminal offense or change a classification or range in sentence. The Sentencing Commission also includes the state's Sex Offender Management Board and Justice Information Sharing Council.

Center for Applied Research and Analysis (CARA)
Director & Principal Investigator: Dr. Paul Guerin
Staff:
Linda Freeman – Research Scientist 3
Dan Cathey – Research Scientist 3
Elizabeth Watkins – Research Assistant
Mea Ebenbichler – Research Assistant
David Scussel – Research Assistant
Ben Edwards – Graduate Student Project Assistant (.25 FTE)
Alex Adams– Graduate Student Project Assistant (.25 FTE)
Sheng-Yang Wang – International Graduate Student P.A. (.50 FTE)
Candace Chischilly – Undergraduate Research Assistant 2 (.75 FTE)
John Michel – Undergraduate Research Assistant 2 (.75 FTE)
Isaac Vallejos – Undergraduate Research Assistant 2 (.75 FTE)

CARA provides evaluation research, basic applied research, training, and technical assistance under multiple projects. The bulk of CARA's work is related to local and state level criminal justice policy. Among other things, CARA is currently involved in research on addictions treatment in the correctional setting, serious violent offender re-entry, and the impact of sentencing reform at the State level. The CARA team also provides research support for and works in close collaboration with the NMSC. CARA also works to strengthen the links between research and education at UNM by providing research experience for graduate and undergraduate students.

New Mexico Statistical Analysis Center (NMSAC)
Director & Principal Investigator: Dr. Lisa Broidy
Staff:
Kristine Denman – Senior Research Scientist 1 (.63 FTE)
Danielle Albright – Graduate Student Researcher (.75 FTE)
Erin Kleymann – Graduate Student Researcher (.25 FTE)
Dale Willits – Graduate Student Researcher (.50 FTE)
Undergraduate Intern – Cleans data

The NMSAC is designated by the Governor as the State's Statistical Analysis Center. The NMSAC conducts research that addresses key local and state level criminal justice policy issues. It is currently the research partner for the local Project Safe Neighborhoods Initiative, focusing on the local gang and gun violence problems. The NMSAC is also working on multiple state and federally funded projects focusing on offender re-entry. All SAC research is developed and implemented in partnership with local and State agencies and/or in collaboration with SACs around the country to facilitate multi-state analysis of broad national criminal justice issues.

New Mexico Mentorship and Education Program (MEP)
Principal Investigator: Dr. Howard Waitzkin
Staff:
Amy Whitfield – Undergraduate Program Support Staff 5 (.50 FTE)
Isaac Avilucea – Undergraduate Administrative Assistant (.50 FTE)

MEP in Mental Health Services Research is funded by the National Institute of Mental Health (NIMH) and first received funding in August of 1999. Focusing on minority mental health issues in primary care settings, especially disparities in mental health outcomes, the MEP provides an intensive, one-week annual training session, which introduces mental health services research to minority junior faculty members and graduate students. The MEP also enhances ongoing mentorship relationships with outstanding mental health researchers who serve as both advisers for the trainees' research and as role models in their career development.

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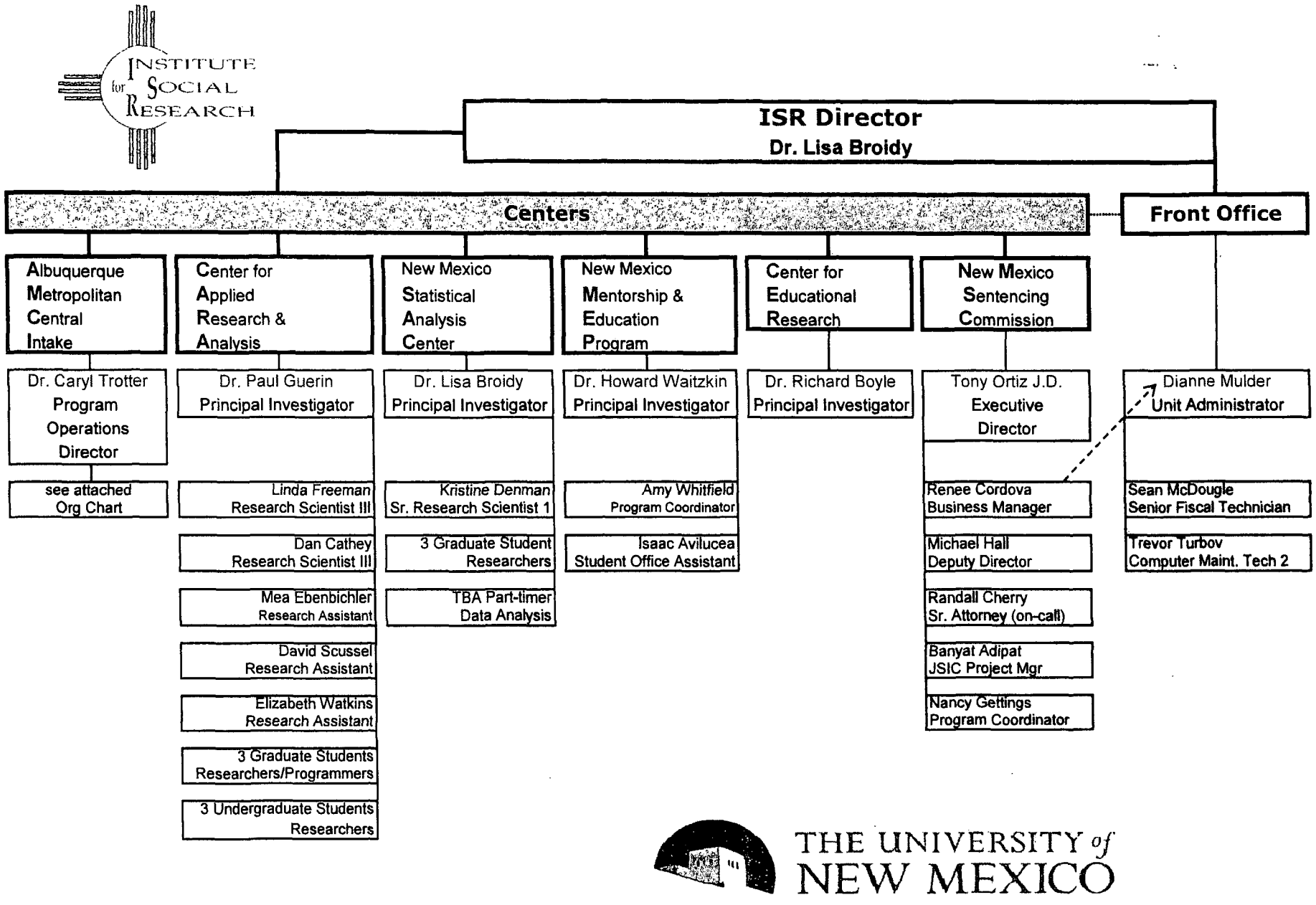
Financial Growth:
ISR had a healthy financial trajectory from 1993 through 2002, during which time its total award dollars and F&A return steadily increased. In 2003, ISR revenues began to decline, as did its operating budget, which is largely driven by its F&A return. Since 2006 ISR revenues have been on the rise. Our goal is to trend over $200,000 in F&A annually.

Calendar YEAR	Total Awards	Total F&A Amount
1993	Not Available	$40,915
1994	N/A	$68,534
1995	N/A	$61,431
1996	N/A	$100,431
1997	$1,034,420	$127,000
1998	1,304,409	$148,000
1999	1,991,400	$202,000
2000	1,621,506	$232,000
2001	1,218,604	$202,000
2002	1,089,127	$206,000
2003	1,444,952	$194,887
2004	1,506,016	$152,009
2005	349,773	$54,026
2006	695,708	$100,210
2007	770,295	$151,143
2008	2,340,447	$186,085
2009	2,232,976	$193,211

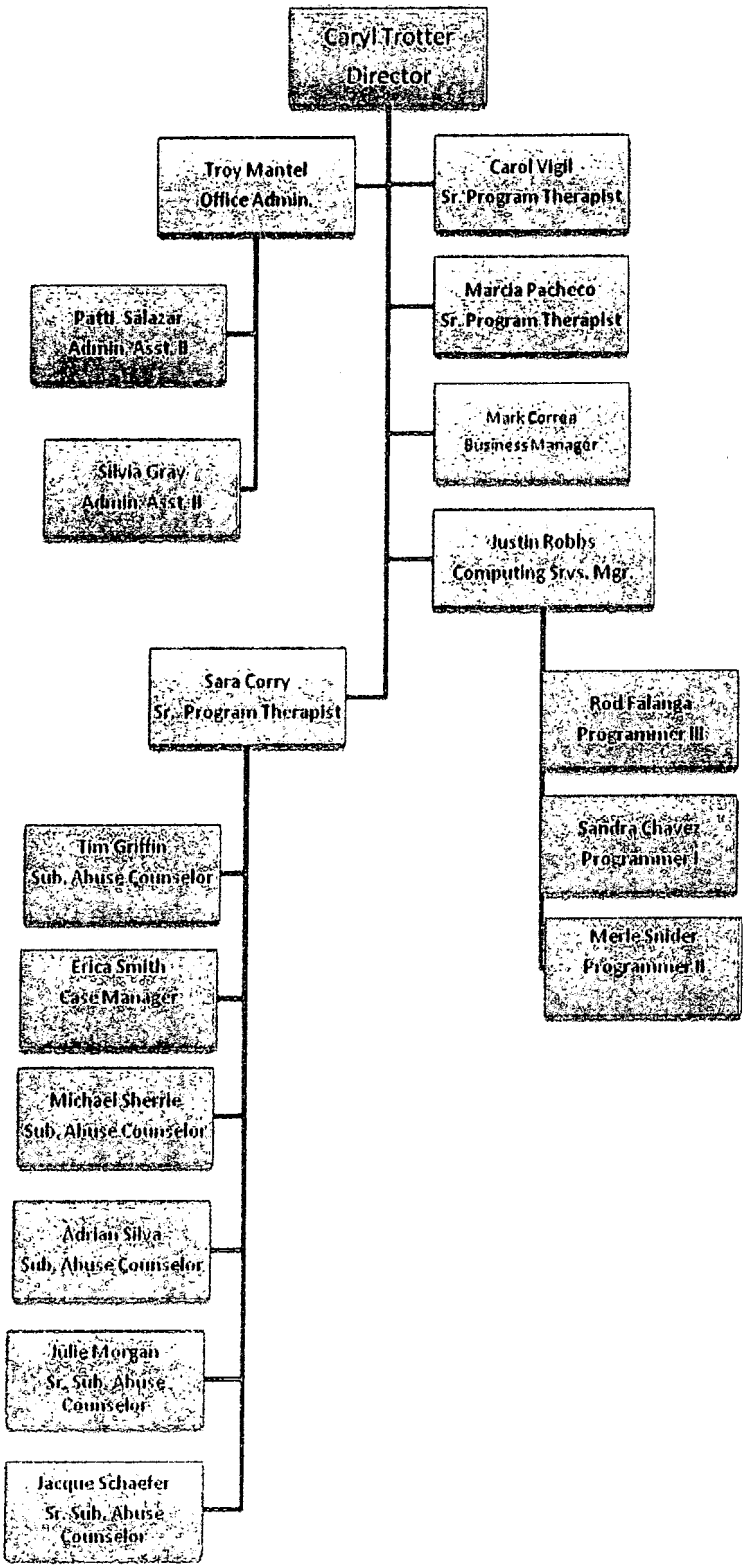
A listing of the grants/contracts run through ISR during the 2009/2010 Fiscal Year is shown on the following page.



{ ISR Organization Chart }
D.Mulder 6/10

ISR Account List -- Fiscal Year 2009/2010

INDEX CODE		ACCOUNT NAME	FUND #	PI	IDC	Agency	Budget	Start Date	End Date	PDS/SPAS
Unrestricted Indexes										
* 9-29063		School of Engineering: Saturday Math/Science Academy	2U0224	Guerin		UNM School of Engineering	$8,153.00	04/01/10	06/30/10	
* 9-31260		NMSC Agency Account	1A0001	Ortiz		State of New Mexico	$629,800.00	07/01/09	06/30/10	
* 9-31314		NMSC Research		Guerin			$50,000.00		06/30/10	
* 9-31316		NMSC Jail Reimbursement		Guerin/Ortiz			$30,000.00		06/30/10	
Restricted Indexes										
~~6-63089~~ then 2-71305		DTRA	2B313	L.Broidy	0%	T.Caudell - UNM	$10,000.00	01/22/09	08/30/10	
9-31157	UNM SubAward	"NSF Biology" Track 1, GK-12 Ecohydrogeology-Mid Rio Grande	275Q1	P Guerin	50%	National Science Foundation	38,232+35,810	05/01/06	12/31/10	19411
9-31214		Discipline-High School Race/Ethnic/Gender Disp.	293Z0	Lopez/Hood	0%	Sociological Initiative Foundation	$15,000.00	04/01/07	07/01/10	22892
9-31282		BCMDC-Info Sys Dev & TA - Bernalillo County	2A750	P.Guerin	20%	Bernalillo County	$60,000.00	07/01/08	06/30/10	31100
9-31291		SAC Website Dev & Visibility	2C050	L.Broidy	26%	Bureau of Justice Statistics	$53,958.00	09/01/08	03/31/10	30818
9-31292		CASAA-Treatment Sentencing & Participation for DWI Off.	2C632	P.Guerin / Woodhall/Davis	20%	NM Traffic Safety Bureau	$87,184.00	12/03/08	09/30/10	S000074
9-31296		Joint with Inst of Public Law - Research	2D771	P.Guerin	10%	NM CYFD	$19,998.00	07/01/09	~~2/1/2010~~ 9/30/10	30899
9-31301		COMPAS Research - NMCorrection Dept	2F560	Guerin	26%	Northpointe	$6,000.00	02/01/09	09/30/09	33904
9-31302		HPV Vaccine - Andrew Sussman	291C9E	Broidy	0%	UNM RWJ	$19,519.00	05/01/09	07/31/10	34086
9-31303		AMCI FY 09/10: Albuquerque Metro Central Intake	2A140	Broidy	8%	City of Albuquerque	$1,415,000.00	07/01/09	06/30/10	33955
9-31304		AMCI Criminal Justice-FY10	2G120	P.Guerin	8%	City of Albuquerque	$3,485.00	07/01/09	06/30/10	33994
9-31305		ACT Info. Sys. Tech Assist FY10	2G1240	P.Guerin	8%	City of Albuquerque	$24,480.00	07/01/09	06/30/10	33998
9-31307		AMCI Tech Assist. I.S. FY10	2G150	P.Guerin	8%	City of Albuquerque	$24,079.00	07/01/09	06/30/10	33999
9-31308		Parole Violation	2G680	Broidy	26%	JRSA	$57,374.00	08/01/09	07/31/10	34066
9-31309		ARRA-2G750-NM Crime Data Collection "UCR"	2G750	P.Guerin (Dan)	5%	NM Department of Safety	$114,876.85	03/01/09	12/30/10	33916
9-31310		Bern County Metro Court DWI-Drug Court Study Phase 2	2G960	P.Guerin	10%	NM Admin. Office of the Court	$29,100.00	07/01/09	06/30/10	35199
9-31311		Bernalillo County Dept Substance Abuse Prog Res Part 2	2RH10	Guerin	20%	Bernalillo County	$39,274.00	07/01/09	06/30/10	35298
9-31312		Year 5 - NIMH - MEP		Waitzkin	8%	Mental Health Research Grants	$231,215.00	09/01/09	08/31/10	
9-31313		Criminal Justics Professionals' Attitudes	2H540	Broidy (C.Lyons)	26%	Bureau of Justice Statistics	$49,959.00	06/01/09	~~9/31/2010~~ 2/28/11	33754
9-31315		Felony DWI Research	2H720	P.Guerin	20%	NM Dept of Transportation	$40,001.00	10/06/09	06/30/10	35348
9-31317		Red Light Camera Study	2K040	P.Guerin	8%	City of Albuquerque	$36,578.00	03/22/10	10/22/10	35833
9-31318		Relationship between Place and Crime	2K280	L.Broidy	26%	Justice Research Statistics Assoc	$9,798.00	04/01/10	12/31/10	35792
9-31319		TPCI: Transitions from Prison to Communities Initiative	2K270	L.Broidy	8%	NM Corrections Education	$125,000.00	03/11/10	~~6/30/2010~~ 12/31/10	35760


Caryl Trotter
Director
Troy Mantel
Office Admin.
Carol Vigil
Sr. Program Therapist
Patti Salazar
Admin Asst. II
Marcia Pacheco
Sr. Program Therapist
Silvia Gray
Admin Asst. II
Mark Correa
Business Manager
Justin Robbs
Computing Srvs. Mgr
Sara Corry
Sr. Program Therapist
Rod Falanga
Programmer III
Sandra Chavez
Programmer I
Merle Snider
Programmer II
Tim Griffin
Sub. Abuse Counselor
Erica Smith
Case Manager
Michael Sherrie
Sub. Abuse Counselor
Adrian Silva
Sub. Abuse Counselor
Julie Morgan
Sr. Sub. Abuse Counselor
Jacque Schaefer
Sr. Sub. Abuse Counselor

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DEPARTMENT OF SPANISH AND PORTUGUESE

CHAIR: ENRIQUE LAMADRID

DEPARTMENT ADMINISTRATOR II: ROSARIO JOHNSON

ANNUAL REPORT

JULY 1, 2009 – JUNE 30, 2010

I. TEACHING FACULTY AND STAFF

A. TENURED AND TENURE TRACK FACULTY

Spanish

Anthony J. Cárdenas-Rotunno	Professor
Enrique Lamadrid	Professor
Tey Diana Rebolledo	Distinguished Professor
Kimberle López	Associate Professor
Miguel López	Associate Professor
Kathryn McKnight	Associate Professor
Susan Rivera	Associate Professor
Eleuterio Santiago-Díaz	Associate Professor
Anna Nogar	Assistant Professor
Mary B. Quinn	Assistant Professor
Julie Sykes	Assistant Professor
Catherine Travis	Assistant Professor
Damián V. Wilson	Lecturer III

Portuguese

Margo Milleret	Associate Professor
Leila Lehnen	Assistant Professor

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B. Lecturers

David Briggs	Jeremy Lehnen	Verónica Plaza
Patricia Rosas Lopátegui	Theodore Walker	

C. Emeritus Professors

Garland Bills	Rubén Cobos	Pelayo Fernández
Rosa Fernández	Dick Gerdes	María Dolores Gonzales
Erlinda Gonzales-Berry	Tamara Holzapfel	Raymond MacCurdy
Alfred Rodríguez	Jon Tolman	

D. Teaching Assistants

Ph.D.

Erin Amason Montero	Elena Avilés	Sonia Balasch
David Briggs	Manuel Burgos-Trujillo	Verónica Calvillo
María Conklin	Héctor Contreras-López	Jennifer Dumont
Jorge Estrada	Lorena Galván-Valenzuela	Juan Carlos González
Kiley Guyton	Carmen Holguín-Chaparro	Alena Johnson
Cynthia Meléndrez	Aaron Salinger	Rachel Spaulding

M.A. Spanish

Daniel Abeyta	Diana Aceves	María Ambriz
Anna Bellum	Bryn Campbell	Sandra Cano
Joaquín Chapar Ortiz	Mariana Civale	José Domínguez
Fernando Garavito	Linda González	Ana Gabriela Hernández
Nohemí Hinojosa-López	Leah Houle	Linda Lemus
Ricardo Martínez	Rebecca Martínez-Gómez	Alex Mego-Flores
Angelica Nelson	Brizelda Ramírez	Julie Redekopp
Alma Robles	Nancy Varelas	

M.A. Portuguese

Felipe Amaral	Carla da Costa Nascimento	Glenia Lima
Daniela Meireles		

ARTS AND SCIENCES INTERDEPARTMENTAL TEACHING ASSISTANTS

Grant Burrier	Edwar Calderón	Angely Cárcamo-Gallardo
Rachel Droste	José Hugo García Macías	Sergio González
Jannette Hermina	Karol Ibarra Zetter	Anna Lapera
Megan McKenna	Erich Melville	Carson Morris
Whitney Purvis	Lourdes Sáez	Agripino Silveira
Victor Valdivia Ruiz	Benjamin Waddell	

E. OFFICE STAFF

Rosario Johnson	Department Administrator II
Martha Hurd	Graduate Administrative Assistant II, Graduate Advisor
Katharine E. Merrill	Department Administrative Assistant II, Undergraduate Advisor for Spanish
Vanessa Vander Galien	Language Instruction Administrative Assistant II

F. WORK STUDY STAFF

Olivia Chávez Jonathan Ortiz

II. DEGREES AWARDED

Summer 2009

DOCTORATE IN SPANISH AND PORTUGUESE

Mary Copple - Dissertation Title:
A Diachronic Study of the Spanish Perfect(ive): Frequency of Use and Language Change.

Sara Guengerich - Dissertation Title:
Indigenous Women in Colonial Textual Discourses.

MASTER OF ARTS IN PORTUGUESE

Fernanda Bartolomei

BACHELOR OF ARTS IN SPANISH

José Domínguez Aaron Gámez

BACHELOR OF ARTS, SECOND MAJOR IN SPANISH

Jennifer Barreras Erica Montoya Julio Labra

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Erika Morrison

BACHELOR OF ARTS, SECOND MAJOR IN PORTUGUESE

José Domínguez

Fall 2009

DOCTORATE IN SPANISH AND PORTUGUESE

David Briggs - Dissertation Title:
Irrational and Visionary Imagery in Cante Jondo and the Neo-Popular Poetry of Federico García Lorca and Rafael Alberti.

Damián V. Wilson - Dissertation Title:
Formulaic language and adjective categories in eight centuries of the Spanish expression of 'becoming' /quedar(se)/ + ADJ

MASTER OF ARTS IN SPANISH

David Criddle

BACHELOR OF ARTS IN SPANISH

Fabián Armijo	Whitney Bishop	Matthew Black
Viridiana Domínguez	Mayra Márquez	Marisa Valdez
Dallas Weems	Donald Wesley	

BACHELOR OF ARTS, SECOND MAJOR IN SPANISH

Joela Bezzeg	Trey Cole	Juana de la Cruz
Leslie Dunlap	Margaret Fitzgerald	Ennette Gallegos
Benjamin García	José Gardeazabal	Lacee Gentry
Rosario Gonzales	Victor Herrera	Shantel Lucero
Elena Marin	Benny Martínez	Jared Najjar
Sarah Peceny	Aracely Pozas	Jessica Schreiner
Victor Serafín	Braeton Smith	Lisa Smith
Janelle Vigil		

BACHELOR OF ARTS IN PORTUGUESE

Christopher Wright

BACHELOR OF ARTS, SECOND MAJOR IN PORTUGUESE

Matthew Black	Dallas Weems

Spring 2010

MASTER OF ARTS IN SPANISH

Anna Bellum	Sandra Cano	Alison Grochowski
Leah Houle		

BACHELOR OF ARTS IN SPANISH

Cheyenna Alsup	Jahan Barela	Dylan Coonce
Rene Estes-Roberts	Rachel Gonzales	Clair Hall
Eric Lucero	Freddie Sandoval	Angela Serrano
Verónica Soliz	Erin Weddington	John Wernly

BACHELOR OF ARTS, SECOND MAJOR IN SPANISH

Cynthia Avila	Malinda Bendall	Shauma Brown
Sarah Cordero	Dillon Fisher-Ives	Annarose García
Gabriel Gaarden	Michelle Gonzales	Itzel Gutiérrez
Iris Herrera	Zachary Lapointe	Perry Lown
Brian Malott	Danielle Márquez	Karla Mondragón
Bridget O'Hara	Haley Olsen	Jonathan Orner
Chris Ortiz y Piño	Sandra Orozco	Alicia Pompa
James Richardson	Elinor Rushforth	Isaac Salazar
Steven Salcido	Andrea Smith	Sandra Spiess
Rikki-Lee Ulibarrí	Jennifer Vieth	Denise Voller

III. DEPARTMENTAL HIGHLIGHTS

The Department of Spanish and Portuguese, with new Chair, Enrique Lamadrid at the helm, continued its excellence in activity in all three areas of teaching, research, and service.

The Portuguese Program was in full swing with retention of two faculty members. The Spanish Linguistics section added a much needed colleague in phonology combined with still another colleague in the person of the new coordinator for the Sabine Ulibarrí Spanish Heritage Language Program. A new positive direction is the renewed cooperation between the Heritage Language section and Spanish as a Second Language which speaks positively for growth and efficiency in both sections.

Medical Spanish continues to show life with continued collaboration between the Department and both Latin American Studies and School of Human Medicine and efforts to broaden its courses in medical Spanish and other courses in Spanish to health sciences students.

Particularly noticeable is the role the graduate students have taken on in fomenting scholarship within the Department.

The fruit of the strong teaching within the Department took the form of four finished Doctoral Dissertations, five Master of Arts degrees, and seventy-eight undergraduate degrees divided between twenty-two first majors and fifty-six second majors, the latter of which got their first degrees in Biology, Psychology, History and other fields for which the Department plays an important role in preparing graduates who pursue advanced degrees in fields many of which will be used in service to both the non-Hispanic and the Hispanic population of New Mexico. Faculty members rounded out teaching on campus by taking undergraduates to Spain on a class trip and to collaborate in research in the Biblioteca Nacional, and to Nicaragua to study, learn and do field work.

Research, too, took the form of five books (authored, co-authored, and anthologies); fifteen studies including articles and book chapters, and four book reviews. Graduate students also produced six articles accepted or published. Faculty members were invited to present fourteen times and read an additional thirty-six papers altogether. Largely under the mentorship of the faculty, graduate students themselves presented a total of twenty-nine papers at conferences, some in local others in more distant venues. In this vein, an additional number of papers were read in a Graduate initiated endeavor called "Academias Lectures Series" in which five professors and seven graduate students discussed via presentation either their research areas or experiences in field studies.

Further indication of research strength is the number of works by faculty and graduate students accepted and in press, works submitted and under consideration, and works in progress

Related to research, both faculty and graduate students were awarded travel funds and other research allocations to pursue their research. Noteworthy is the National book Festival Awarded for Children's Literature of the Library of Congress garnered by Professor Lamadrid in collaboration with Juan Estevan Arellano – native of Embudo, poet, artist, writer, and agronomist – for their *Juan the Bear and the Water of Life: La acequia de Juan del Oso,* beautifully illustrated by Amy Córdova.

The 16th Bienniel UNM Conference on Ibero-American Culture and Society took place in February and was followed in April by a graduate initiated Primer Simposio de Literatura y Lingüística del Departamento de Español y Portugués-Primeiro Simpósio de Literatura e Linguística do Departamento de Espanhol e Português.

On different occasions, additional presentations were offered by Richard Gordon (Ohio State U.), José Luis Alonso Ponga (University of Valladolid, Spain), former graduates of the Department, Daniel J. Villa (New Mexico State U.), and Erlinda Gonzales-Berry (emeritus Oregon State U.). Three additional presentations were offered by candidates for the linguistics position: Timothy Face (U. Minnesota), Emily Anne Nava (UCLA), and Richard File-Muriel (then of U. or North Carolina-Charlotte, now of UNM).

A true research gem for the Department is the National Science Foundation Grant awarded to Catherine Travis to study code-switching in New Mexico, following in line the awards granted to now both emeriti Garland Bills and Neddy Vigil to study New Mexican Spanish. Kudos to the other linguists who received significant funds as well, Julie Sykes and Damián V. Wilson. Several other faculty members were granted awards to carry out their research.

Service took many forms both within the Department, the College, the University, the Profession, and the Community. Faculty members served on committees within the University at all three levels and in national, professional organizations. Additionally, they served as readers for University Presses and professional journals. They served as outside readers on tenure and promotion cases at other universities.

A. Staff Changes

- Professor Enrique Lamadrid began serving as chair August 2009.
- Damián V. Wilson was hired as a Lecture III, and interim coordinator for the Sabine Ulibarrí Spanish as a Heritage Language progam, August 2009.
- Richard File-Muriel was hired as Assistant Professor of Spanish Linguistics.
- Vanessa Vander Galien stepped down as the Language Instruction Administrative Assistant II in August of 2009. Several TAs covered her responsibilities in the fall of 2009. In the spring of 2010, two temporary employees took over some of the duties. Melinda Baca began the semester and was later replaced by Louie Carrillo who continues to work for the department.

B. Awards

Professors

Anthony J. Cárdenas-Rotunno

- LAII Field Research Grant. $2500. Bibliothèque nationale de France, Paris; Biblioteca del Palacio, Madrid; Biblioteca de la Real Academia de la Historia, Madrid. January 2010.
- Research Allocation Committee Grant $3400. Archvio Storico di Propaganda Fide, Newberry Library, Nacional Library of Congress. June 2010.

Enrique Lamadrid

New Mexico Book, National Book Festival Award for Children's Literature, Library of Congress, for "Juan the Bear and the Water of Life: Al acequia de Juan del Oso". September 26, 2009.

Julie Sykes

Mentira, the first mobile game for learning Spanish. Co-created with Chris Holden, professor in University Honors and developed with a team of graduate students. Funded in part by Interdisciplinary Research Allocation Committee Grant, University of New Mexico, $9,526.00 awarded February 2009

Catherine Travis

"Evaluating convergence via code-switching: Cross-linguistic priming, rates, and the structure of subject expression." National Science Foundation, $270,000.00. Awarded May, 2010

Damián V. Wilson

Teaching Allocation Subcommittee Grant, $5,000.00 for research and development of Spanish placement test. 2010.

Graduate Students

Daniel Abeyta

- Spanish and Portuguese Graduate Student Association Award, $150.00 to present at a conference. Spring 2010.

- Student Research Allocations Committee grant, $500.00, Spring 2010.
- American Association for Teachers of Spanish and Portuguese traveling scholarship, awarded $500.00, Summer 2010.

Elena Avilés
Awarded the 2009 - 2010 Susan Deese-Roberts Outstanding Teaching Assistant of the Year Award, May 6, 2010.

Sonia Balasch
- Graduate and Professional Student Association, Special Travel Award, $97.53. December 2009.
- Graduate and Professional Student Association, Student Research Allocations grant, $500.00. December 2009.
- Spanish and Portuguese Graduate Student Association Award, $375.00 to present at a conference. November 2009.
- Graduate Dean's Fellowship, awarded $1,000.00. May 2010.

Jennifer Dumont
Spanish and Portuguese Graduate Student Association Travel Grant, $166.00.May 2010.

Alena Johnson
Awarded the Latin American and Iberian Institute Greenleaf Graduate Fellowship for $6,000.00 to work with Latin American Colonial documents.

Julie Redekopp
Spanish and Portuguese Graduate and Professional Student Association award $166.00. Spring 2010 to assist with travel.

IV. DEPARTMENTAL ACTIVITIES

A. EVENTS

Academias lecture series; "En bocas cerradas no entran moscas: The Life and Times of a Chicano Professor." September 16, 2009.
Professor Tey Diana Rebolledo discussed her academic research. Sponsored by the Spanish and Portuguese Graduate Student Association. Held in the Ortega Hall Lounge.

Academias lecture series; October 1, 2009.
Ph.D. candidates Elena Aviles, Marcela Zárata and Jorge Estrada discussed their experiences in the doctoral program and their fields of study. Sponsored by the Spanish and Portuguese Graduate Student Association. Held in the Ortega Hall Lounge.

"Popular Religiosity in Spain and Latin America: An Iberian Perspective / La religiosidad popular en España y Latinoamérica: Una perspectiva Ibérica" October 2,

2009. Dr. José Luis Alonso Ponga (Chair of Anthropology for the Study of Tradition, and Director of the Center for the Study of Popular Religiosity,) University of Valladolid - Spain presented on religion in Spain and in Latin America. Sponsored by the departments of American Studies, Institute for Medieval Studies, Religious Studies, Spanish and Portuguese, Anthropology, Latin American Studies and the College of Arts and Sciences. Held in Hodgin Hall's Bobo Room.

"New Mexican Spanish: 150 Years of Linguistic Resistance." October 7, 2009. Daniel J. Villa presented his linguistic research on the study of how other languages have affected Spanish in the New World. Sponsored by the Department of Spanish and Portuguese and held in Dane Smith Hall, room 229.

"Sojourners, Settlers and New Immigrants: Mexicanos in Oregon." October 12, 2009. UNM Spanish Professor Emeritus, Dr. Erlinda Gonzales-Berry, Oregon State University, gave a talk in the Sandia Room of the Student Union Building. Sponsored by the Andrew W. Mellon Foundation.

Academias lecture series; October 14, 2009.
Professor Julie Sykes and PhD candidate Verónica Calvillo discussed their research and experiences in their fields of study. Sponsored by the Spanish and Portuguese Graduate Student Association. Held in the Ortega Hall Lounge.

Academias lecture series; "Literatura peninsular y literatura chicana." October 28, 2009. Professors Susana Rivera and Anna Nogar discussed their work. Sponsored by the Spanish and Portuguese Graduate Student Association. Held in the Ortega Hall Lounge.

"Día de los Muertos – La Llorona." October 29, 2010.
Organized by the Sabine Ulibarrí Spanish as a Heritage Language Program, the play "La Llorona" was performed by Joe Hayes. Held in the Ortega Hall Reading Room.

Academias lecture series; "Biografía de un proyecto." November 11, 2009.
Professors Mary Quinn and Kathryn McKnight discussed the challenges and rewards of academic research. Sponsored by the Spanish and Portuguese Graduate Student Association. Held in the Ortega Hall Lounge.

"Slavery and Indentity in Recent Brazilian Cinema: The Case of Aleijadinho: Paixão, Glória e Suplicio." November 18, 2009.
Presented by Richard Gordon, Professor of Lusophone and Hispanic Literatures and Cultures at The Ohio State University. Sponsored by the College of Arts and Sciences' Faculty Development Speaker's Fund, the Latin American and Iberian Institute, the Department of Spanish and Portuguese and the Student Organization for Latin American Studies. Held in the Ortega Hall Reading Room.

"La Vía Láctea / Infant Care Station Dedication." November 19, 2009.
Professor Enrique Lamadrid established and dedicated the first Infant Care Station in Ortega Hall. The Department of Spanish and Portuguese provided cake and punch for the opening on the second floor of Ortega Hall, west side.

"Lexical frequency and a gradient approach to s-weakening in the Spanish of Barranquilla, Colombia" January 21, 2010.
Professor Richard File-Muriel, University of North Carolina-Charlotte, presented in connection with the department's search for a Linguistic Professor. Held in the Ortega Hall Reading Room.

"Intonational cues to focus type in Castilian Spanish." January 25, 2010.
Professor Timothy Face, University of Minnesota, presented in connection with the department's search for a Linguistic Professor. Held in the Ortega Hall Reading Room.

"Connecting phrasal and rhythmic events in the acquisition of English by native speakers of Spanish." February 1, 2010.
Professor Emily Anne Nava, University of Southern California-Los Angeles presented in connection with the department's search for a Linguistic Professor. Held in the Ortega Hall Reading Room.

"The 16th Biennial University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora." February 25 – 27, 2010.
The Department of Spanish and Portuguese held its conference in the Student Union Building and at the National Hispanic Cultural Center. Five sessions were conducted with ten panels and two plenary sessions with a total of 53 presenters. Additionally, there were two keynote speakers; Anouar Majid from the University of New England, and Michelle Hamilton from the University of Minnesota. Music was provided by the Zevk Ensemble, performing music of the Morisco Diapora and Las Inditas Nuevomexicanas, performing New Mexican mestiza music. A Santa Fe Mesuem Tour wrapped up the conference. In conjunction with the conference, the Spanish and Portuguese Graduate Students Association held their fundraiser "Baile de la Conferencia: ¡¡Let's Salsa!!" at the El Rey Theater. Music provided by Son Como Son. The conference was organized by Professor Enrique Lamadrid and Professors Anna Nogar, Mary B Quinn, and Anthony J. Cárdenas and supported by the department staff. Conference co-sponsored by: Suzanne Ortega, Office of the Provost, Regent's Speaker Fund; the College of Arts and Sciences; the Office of the Vice President for Student Affairs; the Southwest Hispanic Research Institute; Chicano Hispano, Mexicano Studies; the Department of Spanish and Portuguese; the Spanish and Portuguese Graduate Student Association; the Latin American and Iberian Institute; and the Department of American Studies. Additional support was provided by the National Hispanic Cultural Center, the Instituto Cervantes and the Spanish Resource Center.

"UNM's World Language Expo." March 6, 2010.
Spanish and Portuguese graduate students participated in the expo which was held in Ortega Hall on a Saturday from 9:00 am to 1:00 pm. Organized by Professor Marina Peters-Newell from Foreign Languages and Literature and supported by Rosario Johnson, Department Administrator for the Department of Spanish and Portuguese.

"Primer Simposio de Literatura y Lingüística del Departmento de Español y Portugués/

Primeiro Simpósio de Literatura e Linguística do Departmento de Espanhol e Português." April 8 & 9, 2010.
This was the first symposium presented by the Spanish and Portuguese Graduate Student Association. The six panels had a total of 21 panelist (the majority of whom were graduate students) presenting papers on various topics on Latin American Literature and Linguistics. The keynote speaker was author Demetria Martínez. Organized by doctoral students Marcela Patricia Zárate, Elena Avilés, Cynthia Meléndrez, and Nancy Varelas, with support from professors Tey Diana Rebolledo, Kathryn McKnight, Julie Sykes and Patricia Rosas-Lopátegui. Held in the Ortega Hall Reading Room.

"Feminine Transgressions." April 22, 2010
Presentation of a literary critical study of prominent Mexican woman writers. Participants included graduate students Carmen Julia Holguín Chaparro, Héctor Contreras López, Elizabeth Van Orton, Ana Gabriela Hernández-González, writer Teresa Dovalpage and Professor Patricia Rosas-Lopátegui. Held in the Ortega Hall Reading Room.

"La Acequia de Juan del Oso." April 30, 2010.
Professor Enrique Lamadrid presented the book he co-authored with Juan Estevan Arellano and Ellen Arellano. Held in the Ortega Hall Reading Room.

B. Invited Talks

Anthony J. Cárdenas
"The Pearls and Perils of Pilgrimage to Santiago: A Literary Perspective." University of New Mexico, April 16, 2010.

Leila Lehnen
- "The Anomic Imagination in the Global Village. Brazil's Narratives of Globalization and Crises." *Gender, Language, and Visual Culture in 21st Century Comparative Literature.* Arizona State University Institute for Humanities Research Cluster, April 2010.
- "Practical Handbook of Citizenship. Negating/Negotiating Human Rights in São Paulo's Periphery." *Human Rights in Brazil Conference*, Vanderbuilt University, Nashville Tennessee. February 2010.
- "Publicar sobre literatura brasileira no exterior: Algumas perspectivas críticas." *II Conexões Itaú Cultural Encontro Internacional de Literatura Brasileira.* November 2009.
- "Pôr do sol global: Itinerários urbanos e identidade globalizados em *O sol se põe em São Paulo." Colloquium*, University of Madison, Wisconsin. October 2009.

Miguel López
"Imagining Feminicide. Violence and Narrative of Northern Mexico." Student Organization of Latin American Studies, Latin American and Iberian Institute. April 2010.

Tey Diana Rebolledo

- "Excuse Me Tongues, Counterstories, and Hociconas." Kansas State University, Keynote Speaker, 2009.
- "The Chicana Artist and Writer: Interdisciplinary Connections." Momouth College, September 2009.

Julie Sykes

- "Realms of Possibility: Understanding the Role of Multiuser Virtual Environments in Foreign Language Curricula. Electronic Roundtable: Virtual Worlds and Pedagogy". *Modern Language Association*, Philadelphia, Pennsylvania. December 2009.
- "To Play or Not to Play: Digital Games and Language Learning."University of Colorado – Boulder. February 2010.

Catherine Travis

- "The breakdown of person marking in Brazilian Portuguese." Round Table, *Language and Culture Research Group*, Cairns Institute, James Cook University. May 2010 (co-authored with Agripino Silveira).
- "Code-switching and grammar: Subject expression in New Mexico Spanish." Plenary speaker, *2nd Graduate Student Colloquium* at The University of Texas – Pan-American, Edinburg. November, 2009 (co-authored with Rena Torres-Cacoullos).

Damián V. Wilson

- "Which came first, the speaker's grammar or the linguistic form?: A 'lay' explanation of usage-based linguistic research." *Andrew W. Mellon Foundation.* University of New Mexico, Albuquerque. November 16, 2009.
- "*¡A mantener nuestro idioma!*: A workshop on teaching Spanish as a Heritage Language at the college level" Metropolitan State College, Denver, Colorado. April 2, 2010.

C. FACULTY PUBLICATIONS

Anthony J. Cárdenas
Articles in Refereed Journal:
"Alfonso X, Saint James and the Virgin." *LAII Research Paper Series 50* (September 2009): 1-30.

Enrique Lamadrid
Co-Authored Book:
El Camino Real de Tierra Adentro with Tomás Martínez Saldaña and Jack Loeffler. México, D.F.: Colegio de Postgraduados, Editorial Mundiprensa, 2009.
Edited Book:
Santa Fe Nativa: A Collection of Nuevomexicano Writing with Rosalie C. Otero and A. Gabriel Meléndez. Albuquerque: University of New Mexico Press, 2009.
Book Chapter:
"Las dos Lloronas de Santa Fe" in *Santa Fe Nativa: A Collection of Nuevomexicano Writing.* Rosalie C. Otero, A. Gabriel Meléndez and Enrique R. Lamadrid, editors. Albuquerque: University of New Mexico Press, 2009: 120-128.

Web-based Articles:

- "Conquista Reconquista, Desconquista: Imaginarios Coloniales y Descoloniales a lo Largo del Camino Real de Tierra Adentro." Photographs by Miguel Gandert. Translation by José Domínguez Jr. www.caminorealcarta.org
- "El Rey de Alburquerque: Roberto Martínez and his New Mexican Mariachi: A Transnational Legacy." Smithsonian Folkways Magazine (Winter 2010) www.folkways.si.edu/magazine/2010winter/index.aspx
- "El Trovo de los Chiles: A Poetic Defense of Biodiversity, Seed Sovereignty, and Chile." (2009) http://www.loreoftheland.org/la-guerra-de-los-chiles-a-pietic-defense-of biodiversity-seed-sovereignty-and-chile/

Web-based Creative Work:

"El Trovo de los Chiles / The Duel of the Chilies," with Estevan Arellano. (2009) http://www.loreoftheland.org/trovo-de-los-chiles-duel-of-the-chiles/

Journal Articles:

"Conquest, Re-Conquest, De-Conquest: Colonial and De-Colonial Imaginaries along the Camino Real de Tierra Adentro." *Chronicals of the Trail, Camino Real de Tierra Adentro Trail Association.* V.6 N.1 (Winter 2010): 7-15.

Leila Lehnen

Articles in Refereed Journals:

- "Haunted Homes and Desert Landscapes: The Sites of Memory in Latin American Postdictatorship Fiction" *Revista Literatura e Autoritarismo.* http://w3ufsm.br/grpesqla/. Fall 2009.
- "O paraíso não tão bacana de André Sant'Anna." *Estudos de Literatura Brasileira Contemporânea 3.* Fall 2009. 171-192.

Kimberle López

Book Review:

Canibalia: Canibalismo, calibanismo, antropofagia cultural y consumo en América Latina, by Carlos Jáuregui. *Revista Iberoamericana* 74.225 (2009): 564-69.

Miguel López

Book Chapter:

"Women in the Global Machine: Patrick Bard's, *La frontera*, Carmen Galán Benitez's *Tierra marchita*, and Alicia Gaspar de Alba's *Desert Blood: The Juárez Murders.*" In *Gender Violence at The U.S.-Mexico Border: Media Representations and Public Response.* University of Arizona Press, 2010. 128-153.

Kathryn McKnight

Book Edited:

Afro-Latino Voices. Narratives from the Early Modern Ibero-Atlantic World, 1550-1812. Indianapolis: Hackett, 2009. Co-editor Leo J. Garofalo.

Book Chapters:

- Introduction. *Afro-Latino Voices. Narratives from the Early Modern Ibero-Atlantic World, 1550-1812.* Kathryn Joy McKnight and Leo Garofalo. Cambridge, MA: Hackett, 2009. ix-xx.
- "Elder, Slave, and Soldier: Maroon Voices from the Palenque del Limón, 1534." *Afro-*

Latino Voices. Narratives from the Early Modern Ibero-Atlantic World, 1550-1812. Co-editors Kathryn Joy McKnight and Leo Garofalo. Cambridge, MA: Hackett, 2009. 64-81.

Book Review:

Domination without Dominance: Inca-Spanish Encounters in Early Colonial Peru. Gonzalo Lamana. In *Colonial Latin American Historical Review* 15.3 (2006): 331-33. [published Oct. 2009]

Margo Milleret

Book chapter

"The Role of Evaluation in Curriculum Development and Growth of the UNM Portuguese Program." in *Toward Useful Program Evaluation in College Foreign Language Education.* Eds. J. M. Norris et al. Honolulu: University of Hawaii, National Foreign Language Resource Center, 57-81, 2009. With Agripino Silveira.

Book review

Home is Where the (He)Art Is by Sharon Magnarelli. Lewisburg, PA: Bucknell UP, 2008. *Studies in 20th and 21st Century Literatures.* Vol 33.1 (Winter 2009).

Anna Nogar

Book Review:

La imaginación novelesca: Bernal Díaz entre géneros y épocas in *Revista de Estudios Hispánicos.* Vol. XLIV Numero 2 (June, 2010): 483-486.

Tey Diana Rebolledo

Book Chapter:

"An Alternative Journey: The Complexities of *Paletitas de Guayaba.*" In Gonzales-Berry, Erlinda, *Palletitas de Guayaba.* Mountain View, California: Floricanto Press, 2010.

Susan Rivera

Edited Anthology:

Luis Rosales: Antología poética; Madrid: Editorial El País; 194 pages; (Summer 2009).

Anthology Introduction:

Luis Rosales: Antología poética; Madrid: Editorial El País; (Summer 2009) 7-12.

Articles in Refereed Journal:

"Donde la vida se doblega, nunca." *Campos de Agramante: Revista de Literatura, 12* (Fall 2009): 109-117.

Newspaper Article:

"Se equivocó El Palomo." El Cultural.es, El Mundo (2009). http://www.elcultural.es/noticias/LETRAS/252/La_viuda_de_angel_Gonzalez_contesta_a_Juan_Palomo)

Eleuterio Santiago-Díaz

Article in Refereed Journal:

"Desde las fronteras raciales de dos casas letradas: habla Piri Thomas" in *Revista Iberoamericana*; Juan Duchesne Winter, editor; Volume LXXV; Number 229; 1199-1221; October-December 2009. With Ilia Rodríguez.

Julie Sykes
Articles in Refereed Journals:
- "*¡Qué feito estás tú también, cariño!*: A Comparison of the Response to the Use of 'Positive' Irony for Complimenting in Peninsular and Mexican Spanish." *Studies in Hispanic and Lusophone Linguistics*, 2, (2009): 305-346. (with Mack, S.)
- "Second Language Use, Socialization, and Learning in Internet Interest Communities and Online Games." *Modern Language Journal*, 93, 2009. 802-821. (with Thorne, S., Black, R.)

Catherine Travis
Textbook:
Introducción a la lingüística hispánica (2nd ed.). Cambridge: Cambridge University Press. (Authors: Hualde, José Ignacio, Antxon Olarrea, Anna María Escobar and Catherine E. Travis).
Article in Refereed Journal:
"The Role of Frequency in First-Person Plural Variation in Brazilian Portuguese: *Nós* vs. *a gente*." *Studies in Hispanic and Lusophone Linguistics*. 2(2): 347-376. 2009. (coauthor: Agripino S. Silveira)
Book Chapter:
"Variable *yo* expression in New Mexico: English influence?" In Susana Rivera-Mills and Daniel J. Villa (eds), *Spanish of the U.S. Southwest: A language in transition*, 185-204. Madrid: Iberoamericana (co-author: Rena Torres-Cacoullos).

Damián V. Wilson
Book Chapter:
"From 'remaining' to 'becoming' in Spanish: The role of prefabs in the development of the construction quedar(se) + ADJECTIVE" in *Formulaic language: distribution and historical change*, vol. 1; Roberta Corrigan, Moravcsik Edith A., Hamid Ouali, & Kathleen M. Wheatly (eds.); Philadelphia: John Benjamins; ; 273-295; 2009.

D. Graduate Student Publications

Elena Avilés
Encyclopedia Entry Forthcoming:
"Tey Diana Rebolledo" *Encyclopedia of Latino Folklore*, Greenwood Press.

Sonia Balasch
Selected Conference Proceeding:
- "La 'a' de acusativo en el español contemporáneo: ¿una marca de relevancia?" from *X Encuentro Internacional de Lingüística del Noroeste* Universidad de Sonora, México. November 12-15, 2008. *Estudios lingüísticos* (2010) 35-67.
- "Revisión amplia de la variación deber(de)+Infinitivo en la diacronía del español" from *Actas del VIII Congreso Internacional de Historia de la Lengua Espanola* Universidad de Santiago de Compostela, Spain. September 14-18, 2009. In press.

Jennifer Dumont

1300

Article in Refereed Journal Forthcoming:
"Testing the Cognitive Load Hypothesis: Repair Rates and Usage in a Bilingueal Community." *Journal of Hispanic and Lusophone Linguistics*. 3:2 (Fall 2010) 329-352.
Ana Gabriela Hernández-González
Selected Essay in Book:
"La violencia como opresora de la identidad femenina en la obra de Inés Arredondo" *Transgresión Femenina* Ed. Patricia Rosas-Lopátegui. Los Angeles, California: Floricanto, 2010.
Poetry in Magazine:
Poems "El fuego del Dragón", El Hada Ebria", and "Inconcluso," in *Casa del Tiempo* III. IV 26-27. (December 2009 - January 2010): Universidad Autónoma Metropolitana, 34-35.

Cynthia Meléndrez
Article in Refereed Journal:
"La ciudad como identidad." *Sin Frontera Revista Académica y Literaria.* University of Flordia.(Spring 2010): 1-24.
Short Story:
"No Image to Relate." *Making Waves Creatively Exploring Identities* Vol. 1 UNM Woman Studies Program (Spring 2010): 6-7.

E. Papers Read by Faculty

Anthony J. Cárdenas
- "Of Yarn and Yearning: Marginal Muliebral Memories." *Modern Language Association,* Philadelphia, Pennsylvannia. December 27-30, 2009.
- "The Odor of Sanctity: From Alfonso X's *Estoria de Española* to Mosén Diego de Valera's *Crónica abreviada* and Beyond." *45th International Congress on Medieval Studies.* The Medieval Institute, Western Michigan University, Kalamazoo. May 13-16, 2010.

Enrique Lamadrid
- "The Road from the Middle East to the Southwest United States." *National Security Colloquium: Opportunities and Challenges*, University of New Mexico, April 20, 2010.
- "Terms of Identity and Endearment: Mexican-Chicano-Hispanic" *Resolana Lecture Series,* National Hispanic Cultural Center, Albuquerque, New Mexico. April 3, 2010.
- "Los Comanches de los Ranchos de Taos: A Hispanic Native American Cultural Tradition." *Festival Symposium, Tortugas Pueblo.* New Mexico State University, March 6, 2010.
- "Christianos, Moros y Comanches: Alterity Hybridity, and Identitiy in the Nuevo Mexicano Imagination." *The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora"* Albuquerque. February 25–27, 2010.
- "Las fiestas del Camino Real de Tierra Adentro" *Tricentenario de Chihuahua.* Mexico, October 28, 2009.
- "Agua y Cultura" *Taos Lecture Series,* University of New Mexico-Southern Methodist

University. September 10, 2009.

Leila Lehnen

- "Translating the Now: Some Thoughts about the Necessity of Translating Contemporary Brailian Literature into English." *Modern Language Association Conference.* Philadelphia, Pennsylvania. December 2009.
- "Mi Buenos Aires Olvidada: Israel Adrián Caetano's Cinematographic Narratives of Urban Misery." *Society for Cinema and Media Studies Conference.* Los Angeles, California. April, 2010.

Kimberle López

- "Globalizing Families: Outsourcing Surrogacy and International Adoption in the Twenty-First Century," with Jennifer Sandoval, *2nd Annual Cultural Studies Conference,* University of New Mexico, Albuquerque. April 16-17, 2010.
- "Before Cortázar's *La noche boca arriba*: Borges's *El sur.*" *American Association of Teachers of Spanish and Portuguese 91st Annual Conference.* Albuquerque, New Mexico. July 9-12, 2009.

Miguel López

- "La imaginación nacional en *Tierra marchita* (2002) Carmen Galán Benítez," at *Decimoquinto Congreso de la Revista de Literatura Mexicana Contemporánea*, El Paso, Texas. March 4-5, 2010.
- *"Y si yo fuera Susana San Juan* de Susana Pagano y el discurso de la nación," at *XVI Mexican Conference* at the University of California-Irvine, April 2010.

Kathryn McKnight

Panel presentation: "From Herbalist to Witch: The Inquisition as a Space of Cultural Redefinition in the Trial of the Black Woman Paula de Equiluz (Cartagena 1623-1626)," *Primer Simposio de Literatura y Lingüística del Departamento de Español y Portugués*, University of New Mexico. April 9, 2010.

Margo Milleret

- Organized panel and presented "Spanish Speakers at UNM, Who are they and how do they learn Portuguese?" *American Association of Teachers of Spanish and Portuguese.* Albuquerque. July 10, 2009.
- "Portuguese: Methods and Classroom Strategies." *American Council on the Teaching of Foreign Languages.* San Diego, California. November 9, 2009.

Anna Nogar

- "A 17th-Century Spanish Nun in Contemporary (Re-)Production: Who Is the Lady in Blue in the 21st Century" *Inter-University Program for Latino Research.* University of Illinois, Chicago. September 24-26, 2009.
- "Sor María de Agreda: Religious Scholar in Colonial New Spain," *Rocky Mountain Council on Latin American Studies.* Boulder, Colorado. April 8-10, 2010.
- "La décima musa errante: La iconización de Sor Juana Inés de la Cruz en *Yo, la peor de Monica Lavin* y *Sor Juana's Second Dream* de Alicia Gaspar de Alba," *XV Congreso de la Literatura Mexicana Contemporánea.* El Paso, Texas. March 4-5, 2010.

1302

Mary B. Quinn

- "An Occasion for Ballads?: *Guerra de los Moriscos* and Pérez de Hita's Use and Abuse of the Ballad." *Society for Renaissance and Baroque Hispanic Poetry.* Eugene, Oregon. November, 2009.
- "Morisco Absence as Literary Aperture: Cervante's *The Captive's Tale." The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora"* Albuquerque. February 25–27, 2010.

Tey Diana Rebolledo

"Landscaping a Poetics of Belonging: Maps of the Imagination in Chicana/o Literature." *VII Congreso Internacional de Literatura Chicana*, Universidad de Leon, Spain. May, 2010.

Julie Sykes

- "Language Learning 2.0: Social Networking and Online Collaboration in Second Language Research and Practice." Panel presentation with Gillian Lord and Lara Lomika. *American Association for Applied Linguistics* (AAAL), Atlanta, Georgia. March 2010.
- "Virtual Environments for Cultural Learning." Panel presentation with Amy Ogan and Chad Lane. *Second International Conference on the Development and Assessment of Intercultural Competence.* University of Arizona, Tucson. January 2010.
- "Place-Based Mobile Games for Language Acquisition: Engaging Learners as Designers," with Chris Holden. *EDUCAUSE Learning Initiative* (ELI) *2010 Annual Meeting,* Austin, Texas. January 2010.
- "Innovative Technologies and L2 Curricula: Immersive Gaming and Mobile Environments." *43rd Annual Meeting and Exposition, American Council on the Teaching of Foreign Languages (ACTFL).* San Diego, California. November 2009.
- "Triangulating Evaluation: Learning More through a Comparison of Perception and Outcome Data." *American Association of Teachers of Spanish and Portuguese AATSP*, Albuquerque, New Mexico. July 2009.

Catherine Travis

- "Spatial and non-spatial uses of locational adverbs in Colombian Spanish conversation" *Hispanic Linguistics Symposium.* Universidad de Río Piedras, Puerto Rico. October, 2009 (co-author: Timothy Jowan Curnow).
- "Evaluating convergence via code-switching: Cross-linguistic priming, rates, and the structure of variable subject expression" *Hispanic Linguistics Symposium.* Universidad de Río Piedras, Puerto Rico. October 2009 (co-author: Rena Torres Cacoullous).
- "Clause-combining in Spanish cleft constructions" *International Pragmatics Association Annual Conference (IPrA).* University of Melbourne, Australia. July 13-19, 2009 (co-author: Timothy Jowan Curnow).
- "*Vamos ver*: The future of first-person plural variation in Brazilian Portuguese" *Australian Linguistic Society Annual Conference.* Research Centre for Linguistic Typology, La Trobe University, Melbourne, Australia. July 2009 (co-author: Agripino

S. Silveira)

Damián V. Wilson

- "Moving Along but Not Forgotten: Methods for Attending to Heritage Learner Needs in Upper-Division Classes with Mixed Learner Groups" *First International Conference on Heritage/Community Languages*. University of California-Los Angeles. February 19-21, 2010.
- "Our Heritage Language Brings us Together; Creating Student Cohesion in a Diverse Heritage Language Program" *First International Conference on Heritage / Community Languages*. University of California-Los Angeles. February 19-21, 2010.
- "Understanding Language Communities Through Research" *First International Conference on Heritage/Community Languages*. University of California-Los Angeles. February 19-21, 2010.
- "Prefabs at the center for centuries; The persistence of formulaic sequences in the Spanish change-of-state construction *quedar(se)* + ADJECTIVE" *12th Hispanic Linguistics Symposium* San Juan, Puerto Rico. October 21-24, 2009.

F. Papers Read by Graduate Students

Daniel Abeyta

- "Empowering hertiage through language instruction." *1st International Heritage Language Conference*, University of California-Los Angeles, February 19-21, 2010.
- "Incorporating children's literature in the university language classroom." *13th Annual College of Education Conference*. April 1, 2010. Albuquerque, New Mexico.
- "Get up off my CTRP: Speaker change patterns in Spanish." *Primer Simposio de Literatura y Lingüística del Departmento de Español y Portugués*. University of New Mexico, Albuquerque. April 8-9, 2010.
- "The future: From Alfonso X's *Estoria de España* to Mosén Diego de Valera's *Crónica Abreviada* and beyond." *45th International Congress on Medieval Studies*. Western Michigan University, Kalamazoo. May 13-16, 2010.

Elena Avilés

- "Harvesting a Chicana Cultural Landscape: The Manipulation." *VII Congreso de Literatura Chicana Filología Moderna*. Instituto Franklin, Universidad de León, Spain. May 26-29, 2010.
- "Subjectivity in Chicana Literature: Roundtable Discussion." *Primer Simposio de Literatura y Lingüística del Departmento de Español y Portugués*. University of New Mexico, Albuquerque. April 8-9, 2010.
- "La Llorona como contanarrativa en la literatura chicana." *13th Annual Spanish Graduate Conference*. Arizona State University, Tempe. March 5-6, 2010.
- "Panel XVII - Lecura de creació. El cuerpo femenino y sus contornos: Las palabras en el género." *13th Annual Spanish Graduate Conference*. Arizona State University, Tucson. March 5-6, 2010.
- "Our Heritage Language Brings Us Together: Creating Student Cohesion on a Diverse Heritage Language Program." panel presentation *First International Conference on Heritage/Community Languages*. University of California-Los Angeles. February 19-

21, 2010.
- "Understanding Language Communities Through Research." *First International Conference on Heritage/Community Languages*. University of California-Los Angeles. February 19-21, 2010.
- "What is a Chicano/a." (presented with Carmen Samora). *¡Adelante!: Celebrating 40 years of El Centro de la Raza and Latina/o Serving Programs and Creating a Vision for UNM Latina/o Community for the Next 40 Years.* University of New Mexico, Albuquerque. October 5-6, 2009.

Sonia Balasch
- "The importance of the variable context in analyzing Differential Object Marking (DOM) in contemporary Spanish" *38th International Conference of New Ways of Analyzing Variation.* University of Ottawa, Canada October 22-25, 2009.
- "Delimiting the domain of variation for the analysis of DOM in Spanish" *Fifth International Workshop on Spanish Sociolinguistics.* North Carolina State University. April 8-10, 2010

Jennifer Dumont
"Toward a better understanding of discourse referentiality." *2010 Annual Meeting of the Linguistics Society of America.* Baltimore, Maryland. January, 7-10 2010.

Ana Gabriela Hernández-González
- Panel Participant "Literatura Mexicana" with Cynthia Meléndrez, Patricia Rosas-Lopátegui and Héctor Contreras-López. *Primer Simposio de Literatura y Lingüística del Departmento de Español y Portugués*. University of New Mexico, Albuquerque. April 8-9, 2010.
- "Re-escritura de la historia, diálogo sobre el poder en *La familia vino del norte* de Silvia Molina," co-author Cynthia Meléndrez *XV Congreso de la Literatura Mexicana Contemporánea.* University of Texas-El Paso. March 4-6, 2010.
- "Lectura de creación. El cuerpo femenino y sus contornos: las palabras en el género." *13th Annual Spanish Graduate Conference.* Arizona State University, Tempe. March 5-6, 2010.

Glenia Lima
"A derrota de Rainmundo pelo mimetismo: uma análise de "O Mulato" de Aluísio Azevedo sob a ótica da teoria pós-colonialista de Homi K. Bhabha." *The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora* Albuquerque. February 25 – 27, 2010

Cynthia Meléndrez
- "Mexican Literature: women writers from the Mexico Comtempotaneous." *El Primer Simposio de Literatura y Lingüstica del Departmento de Esañol y Portugués.* University of New Mexico, Albuquerque. April 8-9, 2010.
- "An Application of Recent Research in Communicative Teaching Strategies in the Spanish 101 Classroom." *Success in the Classroom Conference.* University of New Mexico, Albuquerque. February 10, 2010.

- "Re-escritura de la historia, diálogo sobre el poder en *La familia vino del norte,* de Silvia Molina." *XV Congreso de la Literatura Mexicana Contemporánea.* University of Texas-El Paso. March 4-6, 2010.
- "El cuerpo femenino y sus contornos: las palabras el género." *13th Annual Spanish Graduate Conference.* Arizona State University, Tempe. March 5-6, 2010.
- "El cuerpo como lienzo de escritura." *7th International Conference on Chicano Literature: Writing the Landscape."* University of Leon, Spain. May, 27-29 2010.

Angelica Nelson

- "Connecting our Heritage though Technology." *First International Conference on Heritage/Community Languages.* University of California-Los Angeles. February 19-21, 2010.
- "Our Heritage Language Brings Us Together: Creating Student Cohesion on a Diverse Heritage Language Program." Panel presentation *First International Conference on Heritage/Community Languages.* University of California-Los Angeles. February 19-21, 2010.

Julie Redekopp

- "My El Mochito Sephardim: A Contemporary New Mexican Author's Journey." *The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora* Albuquerque. February 25–27, 2010.
- "An Application of Recent Research in Communicative Teaching Strategies in the Spanish 101 Classroom." *Success in the Classroom Conference.* University of New Mexico, Albuquerque. February 10, 2010.

Aaron Taylor

- "No Need to Worry: Thirty-One Signs That the Antichrist Came in the Fifteenth Century." *45th International Congress on Medieval Studies.* Western Michigan University, Kalamazoo. May 13-16, 2010.

Victor Valdivia

- "Leísmo y laísmo en *Chin, Chin, el teporocho y Estamaps de Valle." El Primer Simposio de Literatura y Lingüstica del Departmento de Esañol y Portugués.* University of New Mexico, Albuquerque. April 8-9, 2010.
- "Paragoge en el español de Nuevo México." *VIII Coloquio de Lingüística,* Escuela Nacional de Antropología e Historia. Posgrado en Ciencias del Lenguaje Ciudad de México, Distrito Federal, Mexico. April, 21-23 2010.

G. Others Research Projects or Creative Works in Progress or Completed

Anthony J. Cárdenas

Works Forthcoming:

- Article: "«¡Dios, qué buen vassallo, si óbviese buen señor!»": Alfonso VI en el siglo XVI" Submitted to *Medievalia.* Mexico, D.F.

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- "Ambiguity, Aporia, Augustine and Acedia: The Greek/Roman Conundrum in the *Libro de buen amor.*" *Libro de Buen Amor Studies.* Edited by Paul Larson and Carlos Hawley-Colón.
- "Enrique, fi de Oliva: convirtiendo el cuento de la mujer acusada al "genero editorial." *Enrique fi de Oliva Studies.* Edited by Cristina Gonález.
- Compact Disc: "Teresa de Cartagena et al." *El Escorial MS. h.III.24: Arboleda de los enfermos, Admiracion opeum Dey, Verçimiento del mundo, Dichos de los filosofos.* Madison and New York: Hispanic Seminary of Medieval Studies.
- Book: *Heroes and Anti-Heroes: A Celebration of the Cid at the University of New Mexico.* Madison and New Cork: Hispanic Seminary of Medieval Studies.
- Compact Disc: Mosén Diego de Valera. *Valeriana.* Madison and New York: Hispanic Seminary of Medieval Studies.
- "*Enrique Fi de Oliva*: Premodern Kitch?" *Monogrpahic Review/Revista monográfica.*
- Review of: Jerrilyn D. Dodds, María Rosa Menocal, and Abigail Krasner Balbale, *The Arts of Intimacy: Christians, Jews, and Muslims in the Making of Castilian Culture.* New Haven and London: Yale UP, 2008. In *Studies in Medieval and Renaissance Teaching.*

Works submitted:

- Article: "Cronica del muy esforçado cavallero el Cid ruy Díaz Campeador" Submitted to *PMHRS.*
- Article: "(Mis)Reading the *Libro de buen amor*: Exemplary Ambiguity and Ambiguous Exempla." Submitted to *Romance Notes.*

Works in progress:

- "'And thus I returned to my estate in Córdoba': Geography of Power and Celestial Favor in the *Memorias* of Leonor López de Córdoba."
- "*The* Crónicas del Cid *of the Biblioteca Nacional de España.*"
- "The *Relaciones* of Leonor López de Córdoba."
- "*Corónica del muy esforçado y esclarescido Cauallero Cifar nueuamente impressa.*"
- "The *Memoriales* of Fray Alonso de Benavides."
- Article: "The Virgin and Dirt: Cantiga 16, the Case of the Love-Sick Knight." Submitted to *Publications of the Modern Language Association.*

Enrique Lamadrid

Exhibitions & Festivals:

- "Nuestra Música Festival X" Lensic Performing Arts Center, Museum of Spanish Colonial Art, Santa Fe, New Mexico, April 26, 2010. Festival curator, producer and Master of Ceremonies.
- "*Nuevo México, ¿hasta cuándo?*" On tour of community museums of New Mexico with the National Hispanic Cultural Center. 2009-2010 Venues: Española-Northern New Mexico College; La Ciénega-Las Golondrinas Museum.
- "*Pilgrimage to Chimayó*" On tour of community museums of New Mexico with the New Mexico Humanities Council. 2010 venue: Clayton Museum.

Leila Lehnen

Work Forthcoming:

Review of *The Carnivalesque Defunto. Death and the Dead in Modern Brazilian Literature* by Robert H. Moser to appear in *Colorado Review of Hispanic Studies.*

Work Submitted:
"The Spaces of the Star: The Meanings of Social Space in Clarice Lispector's *The Hour of the Star*." Eds. César Ferreira and Luciana Namorato, *Para leer a Clarice Lispector*. Lima: Fondo Editorial de la Universidad Nacional Mayor de San Marcos.

Kimberle López
Work Accepted But Not Yet Published:
"An Argentine in Paris: Exile and Diaspora in Alicia Dujovne Ortiz's *El árbol de la gitana*," accepted to the second volume of *Voices from the Margins: Female Exiles in 20th and 21st Century Europe*, edited by Maureen Tobin Stanley and Gesa Zinn. Under review by Palgrave MacMillan.

Kathryn McKnight
Work Forthcoming:
Review of *Brides of Christ. Conventual Life in Colonial Mexico.* Asunción Lavrin. Stanford: Stanford UP, 2008. In *Colonial Latin America Review.*

Margo Milleret
Research Project:
"Growth of Portuguese Programs in the USA." Designed pilot survey about Portuguese enrollments and growth of programs. IRB approval, sent out survey to over 200 participants nationwide in March of 2010. Rearch Assistant, Josue Aciego, awarded from the Latin American and Iberian Institute, for 2009/2010 to help with project.

Anna Nogar
Review Forthcoming:
"Escribiendo desde los márgenes: Colonialismo y jesuitas en el siglo XVIII." in *Revista de Estudios Hispánicos.* (October, 2010)
Work Submitted:
"¿Cómo se expresa 'hamandeggs'?: Dual Translation in *La casa en Mango Street*" to *Confluencia.*
Works in progress:
- Article: "Jim Sagel and the Chicanesque: Examining the Subconscious Trope"
- Article: "Trans-frontera recasting of "La Decima Musa": Sor Juana Ines de la Cruz in Alicia Gaspar de Alba's *Sor Juana's Second Dream* and Monica Lavin's *Yo, la peor*"
- Article: "Cherríe Moraga's Conception of Motherhood in *The Hungry Woman: A Mexican Medea.*"
- Article: "Inscribing 'La voz de la conversión' in Colonial Northern New Spain: Architecture, Art and Conceptual Landscape."
- Book: *Sor María de Jesús de Agreda: Spanish Nun on the New Spanish Frontier.*

Mary B. Quinn
Book Progress:
Narrating Absence: From the Morrish Ballad to Don Quijote.

Tey Diana Rebolledo
Works Accepted But Not Yet Published:

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"What I Have Learned as a Chicana Professor, or En bocas cerradas no entran moscas." *A Feminist Facebook.* Ed. Susan Gubar. New York: 2010. 10 pp.

Susan Rivera
Book in progress:
Almanaque. Personal papers and poetry of Ángel González.

Eleuterio Santiago Díaz
Book Forthcoming:
Breaths. To be published by University of New Mexico Press.
Book Edited and Submitted:
El circo.
Articles submitted:
"Del femicidio a la guerra: avatares de la carencia en la poesía de Carmen Julia Holguín Chaparro".
"Rhetorical strategies of Latin American anarchists in the US in the early 20th century: A comparative analysis of Luisa Capetillo and Richard Flores Magón."

Julie Sykes
Creative Work:
Mentira, the first mobile game for learning Spanish. Co-created with Chris Holden, professor in University Honors and developed with a team of graduate students. First pilot course using *Mentira* took place in the summer of 2009, two additional courses in the following fall semester with the full launch Spring 2010. (Funded in part by Interdisciplinary Research Allocation Committee Grant, University of New Mexico, $9,526.00 awarded February, 2009.)
Book in Progress:
- *Possible Futures: How Digital Games Can Inform, Enhance, and Transform Foreign Language Teaching* (with Reinhardt, J. [under contract]). Series on *Theory And Practice In Second Language Classroom Instruction*, J. Liskin-Gasparro & M. Lacorte, series eds. Pearson-Prentice Hall.
- First year Spanish Book and Program (with Koike, D., Klee, C., Lacorte, M., Mayberry, M., & Pearson, L. [under contract]). New York: Pearson, Inc.

Articles Forthcoming:
- "Multi-user Virtual Environments: User-Driven Design and Implementation for Language Learning". In G. Vicenti & J. Braman *Teaching Through Multi-user Virtual Environments: Applying Dynamic Elements to the Modern Classroom.*
- "Digital Games and Second Language Pragmatic Acquisition." In *Topics in Japanese Second Language Acquisition(preliminary title)*, Kazumi Hatasa (Ed.).
- " TBLT and Synthetic Immersive Environments: Design, Assessment, and Transfer" (with Holden, C. [invited]). In *Technology and tasks: Exploring technology-mediated TBLT*, Marta González Lloret and Lourdes Ortega (Eds.)
- "Synthetic immersive environments and second language pragmatic development." In *The Encyclopedia of Applied Linguistics*, Carol Chapelle (Ed.), Wiley Blackwell

Catherine Travis
Research Grant:

"Evaluating convergence via code-switching: Cross-linguistic priming, rates, and the structure of subject expression." National Science Foundation, $270,000.00. Awarded May, 2010. Compilation (including collection and transcription) of a corpus of bilingual Spanish-English speech in New Mexico, to test the hypothesis of convergence via code-switching through an analysis of the structure of first person singular subject (yo) expression, paying particular attention to the role of priming in language change. Project dates: August 2010-July 2013.

Works Submitted:

- "Discourse syntax" In José I. Hualde, Antxon Olarrea and Erin O'Rourke (eds.). *Handbook of Hispanic Linguistics.* Blackwell Publishers. (co-author: Rena Torres-Cacoullos).
- "Language policy and language contact in New Mexico: The case of Spanish" in Catrin Norrby and John Hajek (eds.). *Uniformity and Diversity in Language Policy: European and Australian Perspectives*. Multilingual Matters. (co-author: Daniel J. Villa).
- "Locational adverbs in Colombian Spanish conversation" in Richard J. File-Muriel and Rafael Orozco (eds.). *Linguistic Studies in Colombian Varieties of Spanish.* (co-author: Timothy Jowan Curnow).

Damián V. Wilson

Research Funding:

Teaching Allocation Subcommittee Grant, $5,000.00 for research and development of Spanish placement test. 2010.

Work Forthcoming:

"Prefabs at the center for centuries; The persistence of formulaic sequences in the Spanish change-of-state construction *quedar(se)* +ADJECTIVE." *Selected Proceedings of the 12th Hispanic Linguistics Symposium*. Cascadilla Proceedings Project, Somerville, Massachusetts.

H. Activities in Learned and Professional Societies

Anthony J. Cárdenas

- Member of the Modern Language Association's Medieval Spanish Executive Committee.
- Member of the Rocky Mountain Modern Language Association Executive Committee.
- Organizer of two sessions for the *International Congress on Medieval Studies*: Ages." Western Michigan University, May 2010.
- "Mosen Diego de Valera's *Cronica abreviada*" and "The Apocalpse in the Middle
- Member of the American Association of Teachers of Spanish and Portuguese.

Enrique Lamadrid

- Member of the Editorial Board for *Pasó por Aquí*, University of New Mexico Press.
- Member of the New Mexico Historical Review Editorial Board.
- Member of the New Mexico Historical Society Board.
- Member of the American Folklore Society.
- Member of the New Mexican Folklore Society.
- Elected Mayordomo for the Alamos de los Gallegos Acequia Association.

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• Chautauqua Lecturer for the New Mexico Endowment of the Humanities.

Leila Lehnen
• Member of American Association of University Women.
• Member of Modern Language Association.
• Member of Brazilian Studies Association.
• Member of Latin American Studies Association.
• Member of American Portuguese Studies Association.

Miguel López
• Reviewed article for *Revista Canadiense de Estudios Hispánicos.*
• Reviewed article for *Mexican Studies/Estudios Mexicanos.*
• Reviewed article for *A Contracorriente.*

Kathryn McKnight
• Member of the Editorial Board for *Tulsa Studies in Women's Literature,* 2008 – present.
• Member of the Editorial Board for *Colonial Latin American Historical Review,* 2007 – present.
• Article referee for *Colonial Latin American Historical Review.*

Margo Milleret
• Reviewer for *Hispania.*
• Reviewer for *Mountian Interstate Foreign Language Review.*
• Secretary for the Executive Committee of the American Portuguese Studies Association, 2009 - 2011.
• Guest Editor for *Portuguese Language Journal.*

Anna Nogar
Conference Co-organizer: *The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora* University of New Mexico, Albuquerque. February 25 – 27, 2010.

Mary B. Quinn
• Conference Co-organizer: *The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora* University of New Mexico, Albuquerque. February 25 – 27, 2010.
• Evaluator for the Standard Research Grants program of the Social Sciences and Humanities Research Council of Canada.

Tey Diana Rebolledo
• Panel moderator, "Landscapes in Sandra Cisneros *Caramelo* and Other Works." *VII Congreso International de Literatura Chicana.* Universidad de Leon, Spain. May 2010.
• Judge for the National Association of Chicano and Chicana Studies Book Prize.
• Chair of the Nominations Committee for the Modern Language Association.
• Member on the Committee on Latino/Chicano Literature Conference, UNM.

• Member on the Carlos Fuentes Committee.

Susan Rivera
• Member of the Modern Language Association.
• Member of the American Association of Teachers of Spanish and Portuguese.
• Member of the Society of Spanish and Spanish-American Studies.

Eleuterio Santiago Diaz
• Member of the Modern Language Association
• Member of the Puerto Rican Studies Association.
• Member of the Instituto Internacional de Literatura Iberoamericana.

Julie Sykes
• Track Chair, Technology, Scholarly Resources, and Pedagogy, Latin American Studies Association.
• Reader for *Computer Assisted Language Instruction Consortium (CALICO)*.
• Reader for Language Learning.
• Reader for *Language Learning and Technology.*
• Reader for *Modern Language Journal.*
• Co-Chair for Computer-Mediated Communication Special Interest Group for *CALICO.*

Catherine Travis
• Reader for *Cognitive Linguistics.*
• Reader for *Language Variation and Change.*
• Reader for *Probus.*
• Reviewer of research grants for Australian Research Council.

Damián V. Wilson
Panel organizer, moderator and presenter for "Our Heritage Language Brings us Together; Creating Student Cohesion in a Diverse Heritage Language Program". *First International Conference on Heritage/Community Languages*. University of California-Los Angeles. February 19-21, 2010.

I. NON-TEACHING UNIVERSITY, COLLEGE, AND DEPARTMENT SERVICE

Anthony J. Cárdenas
• Conference Co-organizer: *The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora* University of New Mexico, Albuquerque. February 25 – 27, 2010.
• Study Abroad Coordinator for España Literaria V, May 17 to May 31, 2010.
• Member of David Briggs' PhD Dissertation Committee, completed Fall 2009.
• Member of Sara Guengerich PhD Dissertation Committee, completed Summer 2009.
• Member of Damián V. Wilson's PhD Dissertation Committee, completed Fall 2009.
• Member of Latin American and Iberian Institute Operations Committee, 2009-2010.
• Director of José Domínguez Honors Thesis. Summer 2009.

- Tenure consultant for candidate in Medieval Spanish for University of Delaware.
- Tenure consultant candidate in Medieval Spanish for Sewanee,University of the South.
- Tenure consultant candidate in Medieval Spanish for The Ohio State University.
- Tenure consultant candidate in Medieval Spanish for Purdue University.

Enrique Lamadrid

- Chair, Department of Spanish and Portuguese, August 2009 -.
- Director of Chicano, Hispano, Mexicano Studies through July 2009, consultant through October 2009.
- Conference Co-organizer: *The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora* University of New Mexico, Albuquerque. February 25 – 27, 2010.
- Member of David Briggs' PhD Dissertation Committee, completed Fall 2009.
- Member of Elena Avilés's PhD Comprehensive Exam Committee, Fall 2009.
- Member of Vanessa de Veritch's PhD Comprehensive Exam Committee, Fall 2009.
- Member of Dora Carega Colman's PhD Comprehensive Exam Committee, Summer 2009.
- Director of Kathy McCully's Independent Study course, Spring 2010.
- Mellon Fellowship Mentor for Damián V. Wilson, 2009.
- Faculty Advisor to McNair Recipient Briana Chávez.
- Faculty Advisor to McNair Recipient Shavonne Otero.
- Faculty Advisor to McNair Recipient Vanessa Padilla.
- Fulbright Sponsor for García Robles, U.S. / Mexico Fulbright.
- Fulbright Sponsor for Aaron Salinger, 2009 Fellow.
- Fulbright Sponsor for Jonathan Harell-Naranjo, 2009 Fellow
- Fulbright Sponsor for Benjamin Waddell, 2010 Fellow.
- Fulbright Sponsor for Nathan Campbell, 2010 Fellow.
- Member of Library Committee.
- Member of Mellon Fellowship Committee.
- Member of Arts & Sciences Diversity Committee.
- Member of University Press Committee.

Leila Lehnen

- Member of Latin American and Iberian Institute Executive Committee 2009-2010.
- Member of Latin American and Iberian Institute Grants and Awards Committee 2009-2010.
- Organized The Ohio State University Professor, Richard Gordon's presentation, "Slavery and Idenity in Recent Brazilian Cinema: The Case if Aleijadinho: Paixão, Glória e Suplício." Fall 2009.

Kimberle López

- Member of Vanessa de Veritch's PhD Comprehensive Exam Committee, Summer 2009.
- Chair of Jorge Estrada's PhD Comprehensive Exam Committee, Summer 2009.
- Chair of Sonia Rodríguez-Hicks' PhD Comprehensive Exam Committee, Summer 2009.
- Member of Bridget Mullins' MA Exam Committee, Latin American Studies, Summer 2009.
- Member of Fernanda Bartolomei's MA Thesis Committee, "Exílio e homosexualidade

em *Stella Manhattan* de Silviano Santiago e *El beso de la mujer araña* de Manuel Puig," Summer 2009.
- Reader of Gabriel Gaarden's BA Honor's Thesis: "Iglesia y revolución: El caso de Nicaragua: La jerarquía católica, un actor violento en la guerra de los Contras," Spring 2010.

MigueLópez
- Member of Sonia Rodriquez-Hicks's PhD Comprehensive Exam Committee, Summer 2009.
- Member of Michael Heim MA Exam Committee, Latin American Studies, Spring 2010.
- Director of Gabriel Gaarden's BA Honor's Thesis: "Iglesia y revolución: El caso de Nicaragua: La jerarquía católica, un actor violento en la guerra de los Contras," Spring 2010.
- Member of Fulbright.

Kathryn McKnight
- Associate Director for Academic Programs, Latin American and Iberian Institute, February 2009 – present.
- Member of Bridget Mullins' MA Exam Committee, Latin American Studies, Summer 2009.
- "Biografía de un proyecto," presentation to *Academias* colloquium series organized by the graduate students of the Department of Spanish and Portuguese, University of New Mexico. November 11, 2009.
- Member of the Ad Hoc Committee on Staff, College of Arts and Sciences.
- Member of the Undergraduate Committee, Department of Spanish and Portuguese.
- Member of Hispanic Linguistic Search Committee, Spanish and Portuguese.
- Founding member of the Colonial Studies Working Group, University of New Mexico, 2005 – present.

Margo Milleret
- Coordinator of the Portuguese Program.
- Recipient of federal funding from Latin American and Iberian Institute for Summer Service Learning in Brazil. Study abroad program to Brazil, Summer 2010.
- Chair of Fernanda Bartolomei's MA Thesis, Portuguese, completed Summer 2009.
- Chair of Jeremy Lehnen's PhD Dissertation Committee, Latin American Studies, completed May, 2010.
- Coordinator of Remodel for Student Services B69, Summer 2009-Spring 2010.
- Liaison with UNM Foundation for Patrick Conroy Travel Grant for Spanish and Portuguese Students.
- Member of the Office of Support for Effective Teaching's Scholarly Teaching Community.
- Member of the Graduate committee, Spanish and Portuguese.

Anna Nogar
- Conference Co-organizer: *The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora* University of New Mexico, Albuquerque.

February 25 – 27, 2010.
- "Literatura peninsular y literatura chicana" presentation to *Academias* lecture series organizad by the graduate students of the Department of Spanish and Portuguese, University of New Mexico. October 28, 2009.
- Served as judge for Poster Competition for Prof. McKnight's Spanish American Literature Survey class.
- Oral translator for profesor José Luis Alonso Ponga's presentation "Popular Religiosity in Spain and Latin America: An Iberian Perspective" on October 2, 2009.
- Member of Undergraduate Committee, Spanish and Portuguese.
- Member of Website Committee, Spanish and Portuguese.
- Member of LAII Interdisciplinary Committee on Latin American Studies.
- Member of LAII Operations Committee.
- Member of Feminist Research Institute.

Mary B. Quinn
- Conference Co-organizer: *The 16th Annual University of New Mexico Conference on Ibero-American Culture and Society: Moros, Moriscos, Marranos and Mestizos; Alterity, Hybridity and Identity in Diaspora* University of New Mexico, Albuquerque. February 25 – 27, 2010.
- Member of the Undergraduate Committee, Spanish and Portuguese.
- Member of an MA Committee, Foreign Languages and Literatures, March 2010.
- Director of Ryan Ehgartner's BA Honors Thesis, Spring 2010.

Tey Diana Rebolledo
- Member of Vanessa de Veritch's Comprehensive Exam Committee, Fall 2009.
- Member of Elena Avilés' Comprehensive Exam Committee, Fall 2009.
- Member of Jeremy Lehnen's PhD Dissertation Committee, Latin American Studies, completed May, 2010.
- Director of Juan Carlos González-Granja's Graduate Independent Studies course.
- Chair of the Graduate Committee, Spanish and Portuguese.

Susan Rivera
- Member of Graduate Committee, Spanish and Portuguese.
- Chair of David Briggs' PhD Dissertation Committee, completed Fall 2009.
- Member of Latin American and Iberian Institutes Operations Committee.

Eleuterio Santiago-Díaz
- Member of Jorge Estrada's PhD Exam Committee, Summer 2009.
- Member of Sonia Rodríguez-Hicks' PhD Exam Committee, Summer 2009.

Julie Sykes
- Coordinator of the Spanish as a Second Language program.
- Member of the Undergraduate Committee, Spanish and Portuguese.
- Member of the Linguistics Faculty Search Committee, Spanish and Portuguese.
- Member of the Admissions Committee, Spanish and Portuguese.
- Member of the Website Committee, Spanish and Portuguese.
- Faculty Liaison for Distance Education, College of Arts and Sciences.

- Chair of the Teaching Allocations Subcommittee Grant.
- Member of the Teaching Enhancement Committee.
- Member of the Organizing Committee for Realms of Possibility: Games and Learning at UNM.

Catherine Travis

- Chair of Damián V. Wilson's PhD Dissertation Committee, completed Summer 2009.
- Chair of Daniel Sanford's PhD Dissertation Committee, completed Spring 2010.
- Member of Angus Grieve-Smith's PhD Dissertation Committee, Linguisitics, completed Fall 2009.
- Chair of José Hugo García-Macías' MA Exam Committee, Linguistics, completed Summer 2009.
- Chair of Michael Heim's MA Exam Committee, Latin American and Iberian Institute, completed Spring 2010.
- Chair of Joshua Mee's BA Honor's Thesis, Linguistics, completed June 2010.
- Director of Independent Study for Victor Valdivia Ruiz, Fall 2009.
- Section Head, Hispanic Linguistics.
- Chair, Hispanic Linguistics Search Committee.
- Undergraduate Advisor, Linguistics.
- Member of Educational Linguistics.
- Member of Latin American and Iberian Institute Grants and Awards Committee.
- Coordinator of Conference Presentation Practice Talks, Linguistics.

.Damián V. Wilson

- Coordinator of the Sabine Ulibarrí Spanish as a Heritage Language program.
- Member of Graduate Committee, Spanish and Portuguese.
- Member of Admission Committee, Spanish and Portuguese.

J. DIVERSITY

Throughout the last academic year the Department maintained its pursuit of diversity, making efforts to attract women and minority groups. The Department issued contracts to sixty-six teaching assistants, Fulbright Fellows and lecturers; thirty eight of whom are Hispanic and one is of African descent. Our Portuguese teaching assistants are from Brazil. Women accounted for 63 percent of the total, of which twenty-four are Hispanic. The work study team was composed of two students, both of whom are Hispanic, and one is a woman.

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Annual Report
Department of Speech and Hearing Sciences
July 1, 2009 – June 30, 2010

Submitted by
Philip S. Dale, Professor and Chair
Department of Speech and Hearing Sciences

I. Significant Developments

A. Accreditation

The department's fifth annual report, covering the period April 1, 2008 – March 31, 2009, was approved by the Council on Academic Accreditation of the American Speech-Language-Hearing Association (ASHA-CAA). The department is currently accredited for the full eight-year cycle of April 1, 2004 – March 31, 2012.

B. UNM Speech-Language-Hearing Clinic and related activities

The following chart summarizes the total number of sessions and the populations served (number of individuals) by the clinic for AY 2009-2010 (FS, SS, Summer).

	Age		Ethnicity					
Total Sessions	Child	Adult	White	Hispanic	Black	Native American	Asian	Not reported
1471	55	55	61	24	2	3	6	14

C. Comunidad Crecer

For 19 years, we have conducted a program in which a team of graduate students and supervisors traveled to Mexico City to Comunidad Crecer, a private school/clinic for children and young adults with multiple handicaps. The team includes speech-language pathology graduate students, occupational therapy graduate students, speech-language pathology supervisors and occupational therapy supervisors. The team is generally in Mexico City for 7-10 days, evaluating and re-evaluating 30-35 students, providing inservice presentations on a variety of topics for parents and CC staff, and holding parent conferences with results and recommendations from the evaluations. During times that the team members are not working with the children, they are taken by the parent group to museums, the pyramids of the sun and moon, a performance of the Folkloria ballet, the floating gardens, and other cultural sites. The emergence of the H1N1 flu in the spring of 2009 led us to cancel the program. We were pleased to be to resume this signature program in May, 2010. A team of five SHS graduate students and two supervisors was lead by Clinic Director Dr. Sandra Nettleton.

II. Significant Plans and Recommendations for the Near Future

A. Re-accreditation

The department has begun the lengthy process of applying for re-accreditation for the eight years 2012-2020. It is currently preparing an extensive self-study document, to be submitted by February 1, 2011. The process includes a thorough self-assessment of the program

and the formulation of a Strategic Plan. The Plan includes revised Mission and Vision Statements, and identification of several Focus Areas for the next three years. In its present draft, the four Focus Areas are:

1. Elaborating a bilingual emphasis in our training program, to better serve the needs of New Mexico.
2. Increase Clinic revenue, to compensate for decreased state support
3. Improve the integration of the academic and clinical curricula
4. Improve the graduate student experience

A site visit will be held in September-October, 2011.

B. Coping with the budget situation

In the present economic situation, our department, like others, must be more entrepreneurial, particularly in order to fund more clinical supervisors, who are the limiting resource for the size of our graduate program, which is significantly smaller now than five years ago. We are actively exploring the possibility of our clinic becoming a Medicare/Medicaid provider to accommodate clients who are covered by these programs. We are also examining the requirements to becoming a provider under various insurance programs. These are essential, because New Mexico is a state with a severe shortage of speech-language pathologists.

III. Appointments to Faculty and Staff

There were no additions to the faculty. Dawn Sandoval was hired as a temporary clinical supervisor in April 2010 while Elizabeth Meek was on leave. Tracy Wenzl joined the department as Departmental Administrator in May 2010.

IV. Separations of Faculty and Staff

Catherine Fletcher resigned as Departmental Administrator in February 2010 and has now been replaced.

V. Faculty Achievements

A. Publications

Binger, Cathy

Binger, C., & Kent-Walsh, J. (2009). *What every speech-language pathologist needs to know about augmentative and alternative communication.* Pearson Education, Inc.: Boston.

Binger, C., Kent-Walsh, J., Ewing, C., & Taylor, S. (2010). Teaching educational assistants to facilitate the multi-symbol message productions of young students who require AAC. *American Journal of Speech-Language Pathology, 19,* 108-120.

Kent-Walsh, J., **Binger, C.,** & Hasham, Z. (2010). Effects of parent instruction on the symbolic communication of children using AAC during storybook reading. *American Journal of Speech-Language Pathology, 19,* 97-107.

Kent-Walsh, J., & **Binger, C.** (2009). Addressing the language and communication demands of the classroom for beginning communicators and early language users. In C. Zangari & G. Soto (Eds.).

Practically speaking: Language, literacy, and academic development for students with AAC needs. Baltimore: Paul H. Brookes Publishing Co.

Dale, Philip

Jørgensen, Rune Nørgaard, **Dale, Philip S.**, Bleses, Dorthe, & Fenson, Larry. (2010). CLEX: A cross-linguistic lexical norms database. Journal of Child Language, 37, 419-428. doi:10.1017/S0305000909009544.

Hayiou-Thomas, Marianna E., Harlaar, Nicole, **Dale, Philip S.**, Bishop, Dorothy V. M., & Plomin, Robert. (2010). Preschool language skills and reading at 7, 9 and 10 years: Etiology of the relationship. Journal of Speech, Language, and Hearing Research, 53, 311-332. doi: 10.1044/1092-4388(2009/07-0145)

Dale, Philip S., Harlaar, Nicole, & Plomin, R. (2010).Two by two: A twin study of second language acquisition. Psychological Science, 21, 635-640. doi: 10.1177/0956797610368060.

Docherty, Sophia J., Kovas, Yulia, Davis, Oliver S. P., Meaburn, Emma L., **Dale, Philip S.,** Petrill, Stephen A., Schwalkwyk, Leonard C., & Plomin, Robert. (2010). A genome-wide association study identifies multiple loci associated with mathematics ability and disability. Genes, Brain and Behavior, 9, 234-247.

Dale, Philip S., Hayiou-Thomas, M. E., Harlaar, N., & Plomin, R. (2010). The etiology of diverse receptive language skills at 12 years. Journal of Speech, Language, and Hearing Research, 53, 982-992.doi: 10.1044/1092-4388(2009/09-0108)

Neel, Amy

Palmer, P.; **Neel, A.**, Sprouls, G., & Morrison, L. (in press). Swallow characteristics in patients with oculopharyngeal muscular dystrophy. Journal of Speech-Language-Hearing Research.

Neel, A.T. (2010). Using acoustic phonetics in clinical practice. Perspectives on Speech Science and Orofacial Disorders, 20, 14 - 24.

Neel, A.T. (2009). Intelligibility of loud, amplified, and habitual speech in Parkinson Disease, Journal of Speech-Language-Hearing Research, 52, 1021-1033.

Palmer, Phyllis

Palmer, P.M., Neel, A.T., Sprouls, G., & Morrison, L. (2010) Swallow characteristics in patients with oculopharyngeal muscular dystrophy. Journal of Speech Language and Hearing Research, 53(6).

Palmer, P.M. (2010). Oculopharyngeal Muscular Dystrophy. In H.N. Jones & J.C. Rosenbek (Eds.), Dysphagia in Rare Conditions: An Encyclopedia. San Diego,CA: Plural Publishing.

Palmer, P.M. (October, 2009). Current treatment of dysphagia in patients with OPMD. Invited lecture presented at the Muscular Dystrophy Association's OPMD Family Conference, Albuquerque, NM.

Patterson, Janet

Dale, P. and **Patterson, J.** (November 30, 2009).**Early identification of language delay.In**/Encyclopedia on Early Childhood Development. http://www.child-encyclopedia.com.

Rodriguez, Barbara

Hammer Scheffner, C., Lawrence, F. R., **Rodríguez, B.,** & Davison, M. (in press). Changes in language usage of Puerto Rican mothers to their children: Do gender and age of exposure to English matter? Applied Psycholinguistics.

Guiberson, M. & **Rodríguez, B. L.**, (2010). Measurement properties and classification accuracy of two Spanish parent surveys of language development for preschool age children. American Journal of Speech-Language Pathology, 19, 225-237.

Hammer Scheffner, C., & **Rodríguez, B. L.** (2010). Individual Differences in Bilingual Children's Language Competencies: The Case for Spanish and English. In A. Weiss (Ed.), Perspectives on individual differences affecting therapeutic change in communication disorders (pp. 57-79). New York, NY: Taylor & Francis/Psychology Press.

Lewis, N., Castilleja, N., Moore, B. J., & **Rodríguez, B.** (2010). Assessment 360: A panoramic framework for assessing English Language Learners. Perspectives on Communication Disorders and Sciences in Culturally and Linguistically Diverse Populations, 17, 37-56.

B. Conference Presentations

Binger, Cathy

Zangari, C., Soto, G., Banajee, M., & **Binger, C.** (2009, November). *Language intervention to support students with AAC needs.* Invited workshop presented at the annual conference of the American Speech-Language-Hearing Association, New Orleans, LA.

Binger, C. (2009, October). *Practical language-based solutions for children who need AAC.* Invited workshop at the annual conference of the Long Island Speech-Language-Hearing Association, Great Neck, NY.

Binger, C. (2009, June). *More AAC solutions for people with severe disabilities.* Invited two-day workshop for Wyoming Assistive Technology Resources (WATR), Casper, WY.

Kent-Walsh, J., **Binger, C.,** & Malani, M. (2009; November). *Technology in the FAAST lane: A service learning approach to undergraduate AAC instruction.* Poster presented at the annual conference of the American Speech-Language-Hearing Association, New Orleans, LA.

Neel, Amy

Neel, A.T., Palmer, P.M., Martin, B.J., and Cunnington, D.S. (2010, March). *Diadochokinetic speech rates and tongue strength.* Poster presented at the Conference on Motor Speech, Savannah, GA.

Rodriguez, Barbara
Lewis, N., Castelleja, N., Moore, B. & **Rodríguez, B.** (2010). Assessment 360: Taking a Panoramic Approach with English Language Learners. Presentation to be made at the American Speech-Language and Hearing Association Annual Convention, Philadelphia, PA.

Rodríguez, B. (2010). Early Language and Literacy Development of Children from Diverse Backgrounds. Invited presentation to be made at the American Speech-Language and Hearing Association Annual Convention, Philadelphia, PA.

Reeves, R. K., Masiongale, T., & **Rodríguez, B.** (2010). Creating the Professional Future We Want Amidst Changing Demograpics. Presentation to be made at the American Speech-Language and Hearing Association Annual Convention, Philadelphia, PA.

Scarpino, S., Hammer Scheffner, C., **Rodríguez, B. L.**, & Lopez, L. (2009). Using Measures of Whole-Word Productions to Describe Bilingual Children's Phonologies. Poster presented at the American Speech-Language and Hearing Association Annual Convention, New Orleans, LA.

Hammer Scheffner, C., & **Rodríguez, B. L.** (2009). Bilingual Preschoolers' Narrative Development & First Grade Reading Outcomes. Poster presented at the American Speech-Language and Hearing Association Annual Convention, New Orleans, LA.

Botezatu, M.R., Hammer, C.S., **Rodríguez, B.**, & Miccio, A.W. (2009, July). Noun phrase gender agreement in emergent Spanish-English bilingual preschoolers. Poster presented at the 7th International Symposium on Bilingualism. Utrecht, the Netherlands.

Botezatu, M.R., Hammer, C.S., **Rodríguez, B.**, & Miccio, A.W. (2009, June). Noun phrase gender agreement in emergent Spanish-English bilingual preschoolers. Poster presented at the Symposium on Research in Child Language Disorders. Madison, WI.

C. Outside Professional Service

Binger, Cathy
Consulting Editor: *Augmentative and Alternative Communication*, 2010-2012
Guest reviewer: *Journal of Speech, Language, and Hearing Research*, 2009
Guest reviewer: *American Journal of Speech-Language Pathology*, 2009
Reviewer: *Annual Convention of the American Speech-Language Hearing Association*, 2009

Dale, Philip
Editor, *Journal of Child Language*
Editorial Consultant: *Developmental Science, Language and Cognitive Processes*

Neel, Amy
Editorial Consultant: *Journal of the Acoustical Society of America*
Editorial Consultant: *Journal of Speech, Language, and Hearing Research*
Editorial Consultant: *Folia Phoniatrica*
Reviewer: *Vowel Disorders* book proposal, Psychology Press (2010)

Member: Motor Speech in Adults and Children Committee, *2010 American Speech-Language-Hearing Convention*
Proposal reviewer: *LabPhon (2010) Conference*

Palmer, Phyllis
Editor:dysphagia.com
Manager:*Dysphagia* mail list serve
Awarded Participant in Clinical Practice Research Institute, July 2009-April 2010, *American Speech-Language-Hearing Association*

Rodriguez, Barbara
Reviewer, Panel Chairperson, Center for Early Care and Education Research: Dual Language Learners; Administration for Children and Families, Office of Planning, Research and Evaluation
Reviewer: *Journal of Early Childhood Literacy*
Reviewer: *Language Speech and Hearing Services in the Schools*
Reviewer: *American Journal of Speech Language Pathology*
Editor: *Perspectives on Communication Sciences and Disorders in Culturally and Linguistically Diverse Population*, ASHA, Special Interest Division 14
Member: Hispanic Caucus Representative, Multicultural Issues Board, ASHA
Professional Development – Presenter, City of Albuquerque, Early Head Start Programs, Second language learners, February, March, May, and June 2010

VI. Outside Sponsored Research

Binger, Cathy
Binger, C. Teaching Children who use AAC to Produce Rule-Based Semantic-Syntactic Relations
NIH (National Institute on Deafness and Other Communication Disorders)
January 2011 – December 2013, $300,000 direct costs; $129,844 indirect costs
(under review)

Dale, Philip
Dale, Philip S. (PI). The efficacy of PROMPT for children with apraxia of speech.
Childhood Apraxia of Speech Association of North America (CASANA)
1/1/2010 – 12/31/2010
$11,975

Dale, Philip S. (PI). A survey of adaptations of the MacArthur-Bates Communicative Development Inventories into other languages.
San Diego State University Foundation (for the CDI Advisory Board)
5/1/2010-4/30/2011
$1,523

Dale, Philip S. (PI). Revision of the MacArthur-Bates CDI-III Instrument.
San Diego State University Foundation (for the CDI Advisory Board)
5/1/2010-4/30/2011

$5,024

Rodriguez, Barbara
Assessing Bilingual Phonological Development in Young Children
NIH/Child Development and Behavior Branch
Consortium with Temple University
Lead UNM Investigator: Barbara L. Rodríguez, Ph.D.
Principal Investigator: Carol Scheffner-Hammer, Ph.D.
$83,013

VII. Students

A. Graduates

From Fall 2009 through Summer 2010, 13 master's students received their degrees.
21 students received the Bachelor of Arts degree majoring in Speech & Hearing Sciences.

We also have a substantial, but fluctuating number of students at any point in time who are officially "non-degree" students. Most have undergraduate degrees in other fields who are taking foundation courses in SHS on a part-time basis in order to apply for graduate programs. There were approximately 40 of these students last year.

B. Applications to the Graduate Program

There were 66 applications for Fall 2010 entry into the master's program in Speech-Language Pathology. We accepted 22 applicants, and 16 of those enrolled in the program this Fall.

C. Enrollment composition

At present, 88 undergraduate A&S students are majors in Speech & Hearing Sciences, and an additional 30 students in the major were registered in University College.
The master's degree program served 33 enrolled graduate students, including 24 White/non-Hispanic, 8 Hispanic, 1 Native American, and 1 student not reporting ethnicity."

Last year we were able to provide an ethnicity analysis of our students. However, despite our best efforts, the University is no longer able to provide this information to us.

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