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THE UNIVERSITY OF NEW MEXICO

2006-2007

ANNUAL REPORTS

Volume I

ANNUAL REPORTS
2006-2007

VOLUME I

PAGE

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THE UNIVERSITY OF NEW MEXICO

[making the grade]

ANNUAL REPORT 2007

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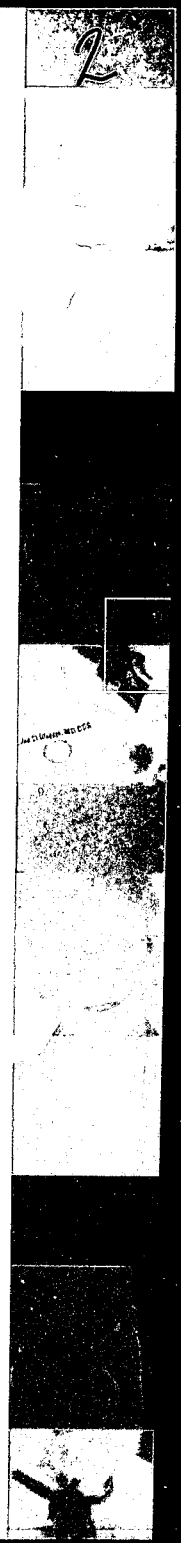


THE PRESIDENT'S MESSAGE

"LUX HOMINUM VITA" reads the University of New Mexico medallion that was presented to me at my inauguration as president. Translated "light is the life of man," our UNM motto bids us to enlighten all who are part of the UNM family — students, faculty, staff, and the community at large. What this means in practice is that together we are called to create an environment that promotes scholarship and learning, research and creativity, health, well being and opportunities to succeed.

Building on past efforts at the University, I have begun my tenure as president by putting forth a framework to guide us in making this vision a reality while also using our resources wisely.

Student success is the weight-bearing beam in that framework. Everything we do must be anchored by that objective. As we work to provide a university education that is both affordable and accessible, we also commit ourselves to improving retention and graduation rates.

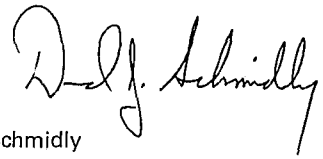
Excellence is the cross bar in this structure. We strive to uphold the highest standards of teaching, learning, and scholarly inquiry in all 200 degree programs at UNM. From student study abroad to groundbreaking research, on every front we aim to realize our fullest and most vibrant potential.

The health of our community is the foundation on which we build. Studies show that healthy people are more likely to pursue their educational goals and go on to contribute to their communities as productive citizens. At our burgeoning Health Sciences Center, UNM both trains urgently needed medical professionals and provides top rate healthcare to New Mexicans from all over the state. To mention but two among many examples of what we've accomplished on this challenging front: our rural medicine program is rated number two in the nation and our Cancer Center has been designated by the National Institutes of Health as a regional hub of frontline treatment and research. We are proud of these and other landmark achievements at HSC, but there is still much to be done in the interests of public health and we are committed to doing it.

Finally, we intend to use this framework to promote **the prosperity and well being of New Mexico.** Among our state's many natural resources, the principal one is its people. As the flagship institution of higher education in New Mexico, UNM helps develop this priceless resource by educating 48% of NM undergraduates and conferring more than 80% of the state's graduate and professional degrees. With the only schools of medicine, law, pharmacy, and architecture in state, UNM offers our most promising youth the chance to fulfill their aspirations right here at home. We also turn out a substantial share of the other degreed professionals who make up the backbone of our local communities – teachers, nurses, counselors, business executives, political leaders, engineers and scientists.

Moving beyond our educational mission, UNM's affiliated Science and Technology Corporation acts to fuel economic development on a related front. STC@UNM helps the new technologies generated by our faculty and student researchers get to market through start-up companies, many of which are based in New Mexico.

The following report shines a light on how my plan has been unfolding in its initial stage. I invite you to read on.



David J. Schmidly
President

[expecting the best]

STUDENT SUCCESS

UNM STUDENTS HELP BRING ARCHITECTURE TO HIGH SCHOOLERS

Students who don't speak English as their first language have a hard assignment understanding what teachers are saying, but Noe Quiñonez is pushing them to think beyond the moment.

The 24-year-old University of New Mexico architecture student wants to help them span the distance between imagination and creation.

He has been spending time in classrooms all over the city [of Albuquerque]—including a bilingual math class at Rio Grande High School on Tuesday — showing how the math, science and history children are learning can take shape as a building or a home.

Quiñonez spent his formative years shuttling between his parents' house on a farm in Paloma, Mexico, and his aunts' home in California before settling with his parents in Deming and finishing high school. He came to UNM through a program for children of migrant workers. The College Assistance Migrant Program provides financial assistance, academic advisement, tutoring and other benefits for migrant worker youths.

"I know what it's like to sit in their chair, not knowing English, not knowing what the teacher said," Quiñonez said of the Rio Grande students. "I think as educated people we have the obligation to help others and to teach what we know."

David Giron, a 17-year-old junior, said he appreciates having a chance to learn about an advanced subject in school.

"It's bilingual so I can understand, and a lot of people don't explain architecture that well in Spanish," Giron said.

Anne Taylor, a professor of architecture and planning at UNM, teaches a class called Architecture and Children, which Quiñonez and several other architecture majors are taking. The class requires they spend time in schools in the area, teaching what they've learned and hopefully, according to Taylor, learning something new in the process.

"They know the content," Taylor said of the students' architecture studies. "What I have to teach them is how to teach."

Taylor said textbooks that teach the basic theories of, say, geometry, don't do a good job of making links between principles and practice. That's where her students come in.

Quiñonez, for example, brought to the Rio Grande class a scale model he built to illustrate "architectonic scale," or how to shrink plans for the El Malpais National Monument down to the size of a cake box.

Jesus Montoya, a 17-year-old senior, said he likes seeing Quiñonez's work.

"I would like to know something about architecture so when I have my own house I don't have to go and get somebody else to do it," Montoya said.

Quiñonez has spent time at schools like Pajarito Elementary and Valley High school as part of his class.

"I advocate for everyone," Quiñonez said. "I think that every student should have a chance."

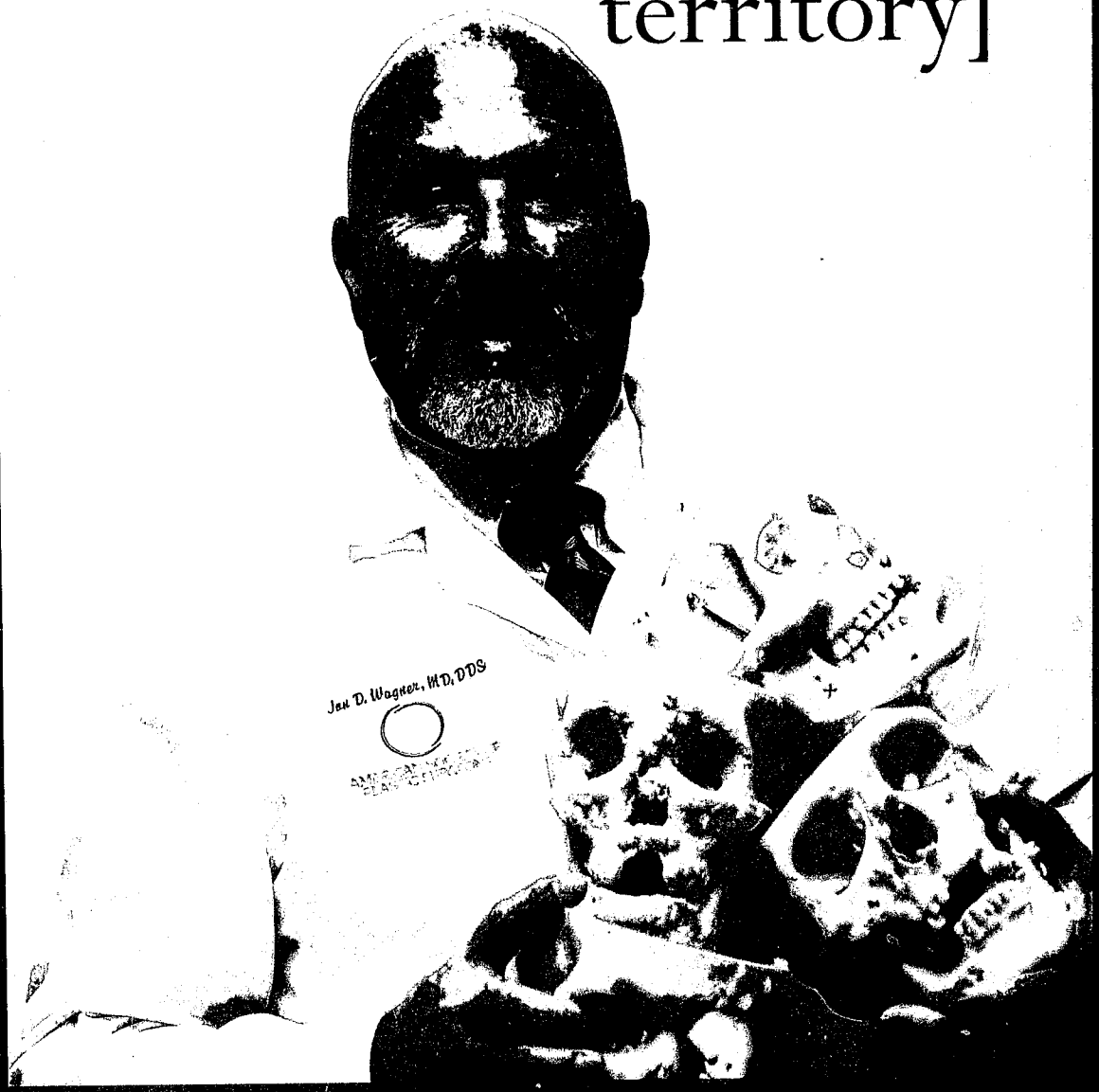
Aside from spending time in classrooms, Quiñonez also founded a group, Planning and Awareness for College Education, that provides information about the college application process and financial aid, among other things, to interested high school students around the state.

"We have 34 members at UNM and 34 at New Mexico State University," Quiñonez said. "Our mission is to go out to rural areas and promote higher education ... We actually go out and let them know about lottery scholarships, money, how to get educated."

Quiñonez said he benefited from similar programs when he was younger.

"I just think everyone should have the choice," Quiñonez said.

[charting new territory]



EXCELLENCE IN RESEARCH

UNM GRADUATE STUDENT RESEARCH HELPS SURGEONS REPAIR JAWS

Scott Lovald was looking for an interesting research problem to tackle for his master's degree in mechanical engineering at the UNM School of Engineering. Since mechanical engineering includes everything from moving automobile parts to fluid dynamics, it was difficult for him to decide where to focus.

Meanwhile, across campus at University Hospital, plastic surgeon Dr. Jon Wagner had a nagging problem. The UNM trauma unit treats more than 400 broken jaws a year, most of them in young men from ages 16 to 40, and Wagner had to fit them with heavy titanium plates to bridge the fractures. The patients were left with facial scars, infections, and plate and screw problems as they healed. In frustration, Wagner began talking with engineers.

When he spoke with mechanical engineering professors John Wood and Tariq Kraishi, they told him the solution would require a standard engineering software program called "finite element modeling," a lot of information about jaws, and a very energetic graduate engineering student.

Rethinking Jaws

Lovald became that student. He spent the next three years inputting data on the stresses and strains in a healing jaw as a patient bites and chews, and he began to come up with some answers. "We looked at stress in the bone. We could determine if a screw would pull out of the bone. We could look at stress on the plate. We could determine if that plate was likely to yield and break," says Lovald, who really liked the idea of solving problems that make a difference in people's lives.

Using Lovald's findings, Wagner began changing the way he fixed jaws. He started using smaller, commercially-available plates manufactured for upper jaws to bridge the fractures in lower jaws. Wagner could insert the smaller plates through the mouth, eliminating the facial scars and resulting in fewer complications.

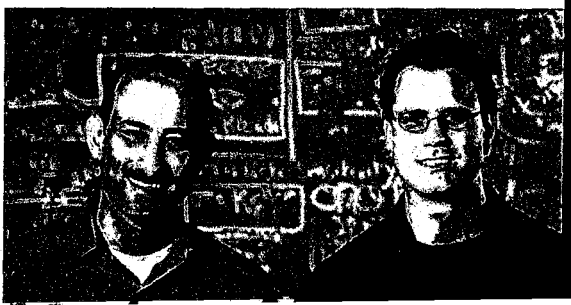
From Student to Entrepreneur

Meanwhile, Lovald began to tinker with the software and redesigned the plates so that the healing bones would have even less stress on them. Now he has a software program geared specifically to solving these kinds of stress and strain problems, some redesigned plates, and the beginnings of a business. His patent application is pending with the U.S. Patent Office.

Lovald was also a student in the UNM MBA program. He and another business student, Ryan Smith, entered and won a business plan competition at UNM's Anderson School of Management and with the $25,000 prize, decided to start their business, Satyrne. They have also presented the plan at business competitions around the country, winning 1st place in the challenge round at Rice University and 3rd place at the San Diego State University Venture Challenge.

Satyrne Technologies InterFlex Fixation System has been cleared by the U.S. FDA for use in general trauma procedures, and the next step is to bring it into the marketplace. Lovald and Wagner are currently working on papers to publish their results and spread the word among surgeons.

Tariq Kraishi and Scott Lovald



building
communities!
ECONOMIC & COMMUNITY
DEVELOPMENT

YOUR SUCCESS IS OUR BUSINESS

The people of New Mexico are the state's most valuable natural resource, and UNM is charged with developing this resource by educating a highly skilled, diverse workforce. More than 65,000 UNM alumni hold jobs throughout the state, many serving in senior positions in virtually every industry that contributes to the economic vitality and quality of life in New Mexico.

The University also maintains partnerships with corporations and organizations statewide, increasing global competitiveness and marshaling resources that provide benefits far beyond what the University and its partners could achieve individually.

UNM attracts money into the state through grants, tuition and gifts as well, thereby leveraging business development opportunities.

In addition to the economic development activity that takes place on UNM's main campus, branch campuses work with Small Business Development Centers to support small business ownership and entrepreneurship. The NMSBDC brings together the U.S. Small Business Administration, the state of New Mexico, the private sector and the New Mexico Association of Community Colleges, which includes UNM's branch campuses in Gallup, Los Alamos, Taos and Valencia County.

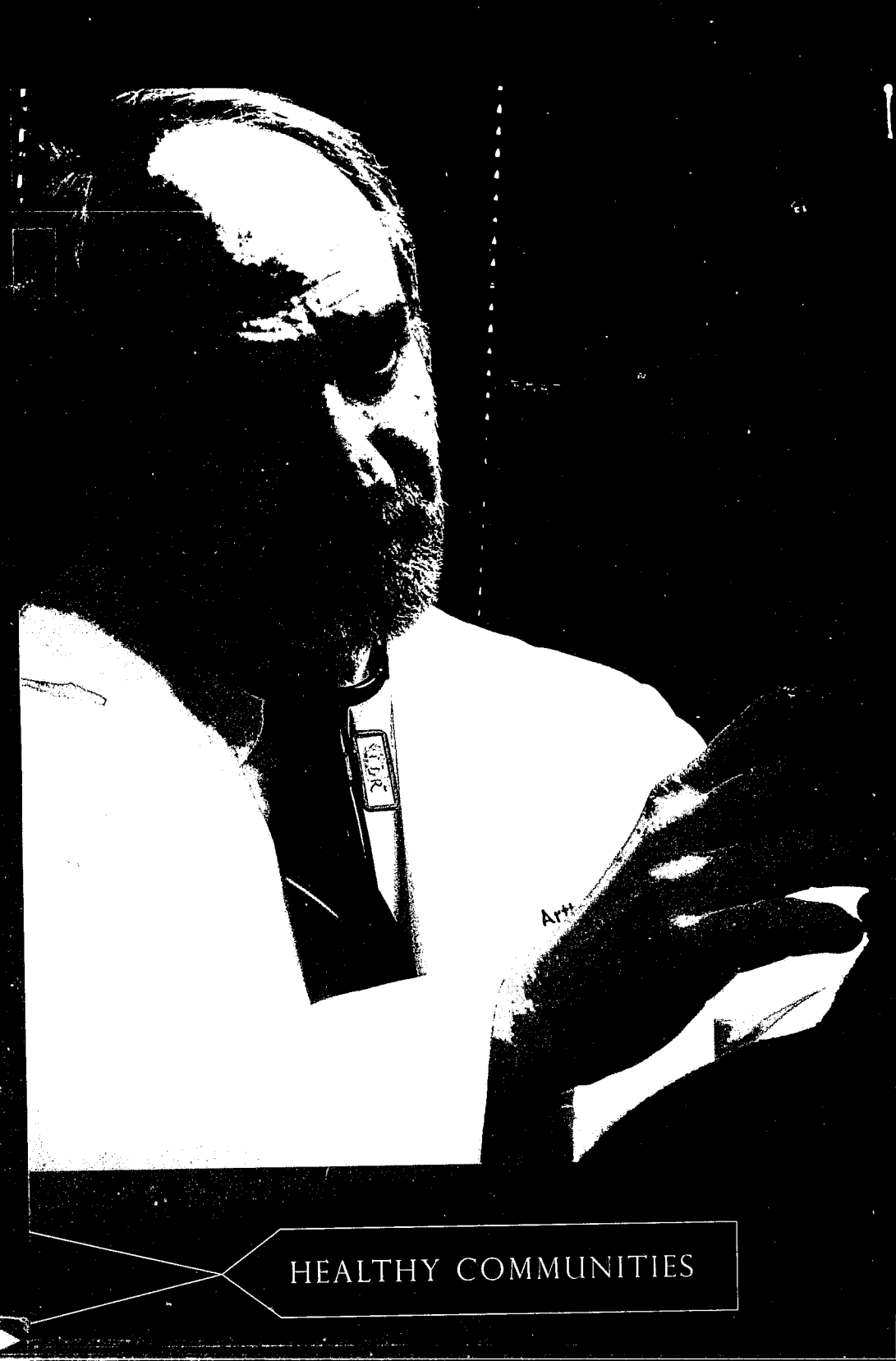
The SBDCs offer free one-on-one confidential consulting, training courses and government procurement assistance for area businesses. For those who already own businesses or are looking into entrepreneurship, Small Business Development Centers help them climb and manage the ladder of success.

Following in the New Mexico artistic tradition, Michelle Stump started her photography business *The Harp of the Spirit* in October 2000. As a start-up, she ran the business on evenings and weekends while continuing with her full-time job as a technical writer. During the first six years, she gradually refined her goals to center on photographic digital art. Stumps says, "The intent of *The Harp of the Spirit* is to reunite mankind with the sacred beauty of this world."

Her images are mailed internationally, with requests for product information coming from as far away as Alaska, Hawaii and Indonesia. *The Harp of the Spirit* also serves to advertise the wonder of New Mexico and has broadened the customer base of tourists and business people who come here.

Stump testifies about the difference the UNM-LA SBDC made in the success of her business: "[Their] guidance and support have made *The Harp of the Spirit* what it is today – a small New Mexico business emerging onto the national scene with a very New Mexican product... [They] helped me formulate my catalog and pricing structure and establish myself as an LLC. Their continued presence in my business life has kept me in the know about bookkeeping, New Mexico gross receipts tax, Quickbooks, and generally everything I need to know to run a successful small business."

Michelle Stump, Los Alamos, N.M.



HEALTHY COMMUNITIES

HEALTH SCIENCES HEROS

Dr. Arthur Kaufman is a one-man ambulance driven to address health care needs across New Mexico. As UNM's new vice president for community health, he sees his mission as an opportunity to be responsive to statewide health care requests.

Recognizing that New Mexico State University already had a jump start at reaching across the state through county extension offices, Kaufman decided to partner with them to establish Health Extension Rural Offices.

"The philosophy behind HEROS is for the [UNM] Health Sciences Center to have sustained roles in communities statewide so that people can access information they need from the HSC," he says.

Kauffman brought in a full-time recruiter at New Mexico Junior College in Hobbs to draw Lea County's best and brightest to UNM. With an injection of funds from the Maddox Foundation, he sees Lea County eventually growing its own doctors, nurses and other health professionals.

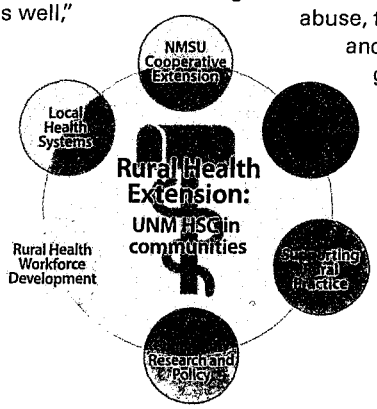
"New Mexico Junior College is building a new dorm next to the hospital there.... This would make the hospital a preferred site for the students. They will bond with the community and attract area students into the profession as well," Kaufman projects.

Among the many communities it serves, UNM Hospital receives patients from Crownpoint and other Navajo Reservation sites. "Patients often have multiple appointments. They might need to see a kidney specialist, a diabetes specialist and someone from social services. This requires three separate appointments. Working with a coordinator, all appointments can be scheduled the same day to minimize the time the patient spends coming back and forth to the hospital," he says.

Noting that information from UNM Hospital doesn't always get back to the referring local doctor, Kauffman says, "We are looking to provide electronic access to medical records that is password protected. The primary care physician would then know all the post-operative care needs."

In the southwest corner of the state, diabetes, heart disease and teen pregnancy are top issues for which Hidalgo County residents seek help. To address these issues, the UNM Community Health Program has developed ethnically sensitive diets to control diabetes and heart disease and launched a program for youths who have experienced teen pregnancy. With support from a CDC grant, the youth program was able to sharply decrease the number of subsequent pregnancies.

Kaufman also notes the connection between graduating from high school and health: "It's enormous. High school graduates have lower rates of drug abuse, teen pregnancies and STDs, and their earning potential is greater." He concluded by pointing out that having a good health care system in place in rural and small communities is imperative to developing and maintaining the health of those communities.



[expanding opportunities]

AIMS @ UNM CHARTER SCHOOL

At its new building on the University of New Mexico campus, the Albuquerque Institute for Mathematics and Science bridges the gap between high school and college by offering local students an intensive math and science curriculum and the opportunity to earn college credit for some of their courses.

Under the leadership of Principal Kathy Sandoval-Snider, in 2007 AIMS @ UNM opened its doors to returning 10th and 11th graders and also extended a welcome to its new 6th and 9th grade classes.

All AIMS students are required to attend UNM concurrently during their junior year receiving both high school and college credit at no cost.

"We have accomplished an incredible amount in the past year," Sandoval-Snider reports. "This school is unique, because of its partnership with UNM and its supportive relationship with the city of Albuquerque. Students here have an incredible opportunity not found anywhere else in the state. We have a one-of-a-kind math and science curriculum that prepares students to compete in the global economy, and at no charge to the student. Students here have the constant message and climate that a four-year degree is in their immediate future."

Upon completing their high school degrees at AIMS, students will exceed the graduation standards for the state of New Mexico and some will already have received credit for the equivalent of a full year of college.

EXPANDED LEARNING OPPORTUNITIES

Distance education programs help students who cannot come to main campus or choose to take alternative-format classes to obtain their degrees. Students can access courses online, via interactive television, through correspondence or face-to-face at eight statewide education centers. During the last academic school year, UNM distance education programs served approximately 3,000 students with over 7,000 enrollments. More than 200 students received their degrees because of opportunities created through UNM's Extended University.

UNM also invests in upper division and graduate programs at its four branch campuses and in partnership with other community colleges in New Mexico. This start-to-finish, close-to-home model is critical for students who want to graduate from UNM but cannot relocate to Albuquerque.

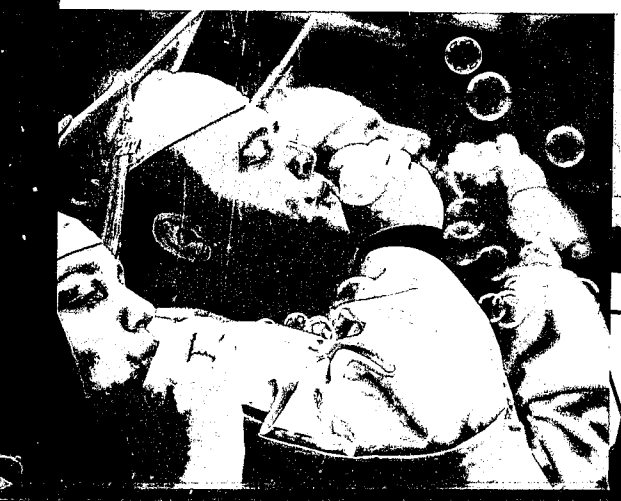
According to Extended University Vice Provost Jerry Dominguez, because many communities in New Mexico are having difficulty recruiting and retaining teachers, UNM Extended University is offering College of Education degree completion programs at UNM branch campuses in Taos, Valencia and Gallup, and the San Juan Center in Farmington.

The Extended University bachelor of studies program allows students to earn a degree by building a curriculum suited to their individual goals. "The BUS degree is popular because it is crafted based on the economic needs of individual communities," Dominguez says.

The public administration program offers a degree designed for public sector and nonprofit agencies, with human resources and public management concentrations that are key to city government. The master of public administration is available to students statewide through UNM distance education programs.

Faculty and administrators in the School of Engineering have developed a master of science in electrical and computer engineering that is accessible online. "This is a user-friendly option for working students," Dominguez says.

Likewise, the College of Nursing has developed RN to BSN degree completion programs now available statewide through Extended University, thus addressing the urgent need for qualified nurses in diverse communities across New Mexico.



- Middle school students, teachers and graduate fellows are learning about New Mexico's ecosystem from a partnership between UNM, Belen and Socorro Consolidated School Districts, Sevilleta Long-Term Ecological Research Program and Sevilleta National Wildlife Refuge, a ground-breaking program funded for three years with a $1.6 million grant from the National Science Foundation.
- Senator Jeff Bingaman visited campus to brief UNM about the Higher Education Access Act of 2007, which makes Pell Grants available to students year round so they can attend during the summer and finish college earlier.

- Created the Bob Hoffman Legacy Endowme for the Center for Southwest Research and process and preserve papers and photogra economic history of the state.
- STC.UNM awarded gap funding to three U move technology from early stage develop stage that attracts corporate and investmen the emerging technology into products rea

RESEARCH

- UNM received final state institutions in the world v nanoscience and microsy heralded as the industrial
- Governor Bill Richardson co, part of a nationwide r of leading U.S. research private sector technology

UNM MILESTONES IN 2007

UNM College of Education's teacher education and professional development program was ranked the 8th best graduate program in the nation by *Academic Analytics*.

***Hispanic Outlook in Higher Education* included UNM on all their lists, rating UNM among the top graduate schools for Hispanics for enrollment and number of degrees conferred.**

***U.S. News and World Report* named nine UNM programs in its *America's Best Graduate Schools* rankings, including rural and family medicine, pediatrics, midwifery, clinical law training and first-ye**

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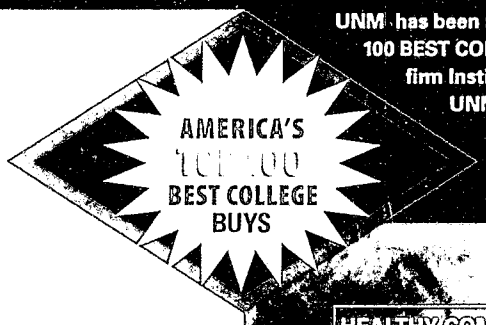
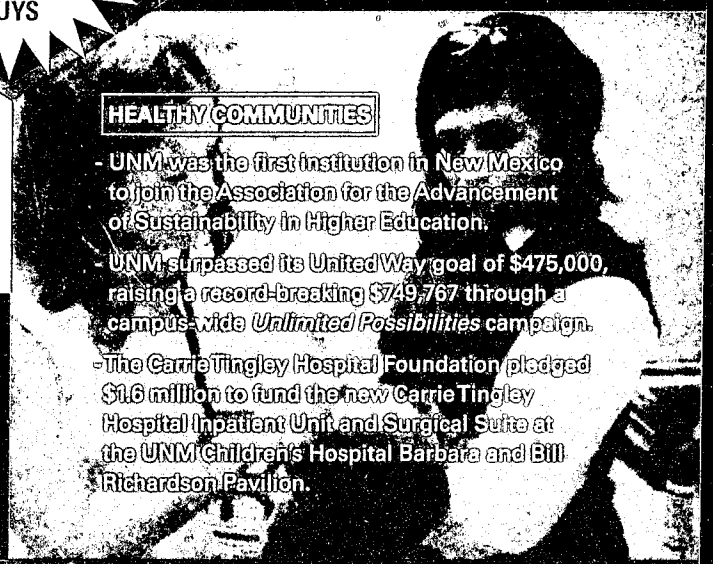


UNM has been recognized as one of "AMERICA'S 100 BEST COLLEGE BUYS" by the private research firm Institutional Research & Evaluation, Inc. UNM has been featured in this firm's annual report for each of the past 12 years.



HEALTHY COMMUNITIES

- UNM was the first institution in New Mexico to join the Association for the Advancement of Sustainability in Higher Education.
- UNM surpassed its United Way goal of $475,000, raising a record-breaking $749,767 through a campus-wide *Unlimited Possibilities* campaign.
- The Carrie Tingley Hospital Foundation pledged $1.6 million to fund the new Carrie Tingley Hospital Inpatient Unit and Surgical Suite at the UNM Children's Hospital Barbara and Bill Richardson Pavilion.

UNM Gallup was ranked 3rd nationally by *Community College Week* for associate degrees awarded to Native Americans. UNM-Gallup conferred 112 associate degrees to 28 men and 84 women last year.

***Hispanic Business* ranked UNM's law school #1 for graduating Hispanics, while *Hispanic Outlook* named the UNM law school among the top 25 for Hispanic enrollment and degrees granted.**

At its spring 2007 Commencement, UNM conferred 1,680 bachelor's degrees, 602 master's degrees, 65 doctorates, 101 juris doctorates, 62 medical doctorates, 62 pharmacy doctorates, 5 graduate certificates and 9 education specialist degrees.

Science and Technology Corporation at the University of New Mexico (STC.UNM) recognized 14 UNM researchers and faculty members who have received patents or registered a copyright over the past year.

UNM pediatrician Dr. Andrew Hsi was honored by New Mexico Voices for Children as the *2007 Voice for Children* award winner in the medical professional category. Professor Hsi is the director of the Division of General Pediatrics at the UNM Health Sciences Center.

UNM honored biologist Clifford Dahm as the *52nd Annual Research Lecturer,* one of the highest recognitions the University can bestow on faculty. Dahm's lecture drew on more than 20 years of research in the fields of restoration biology, biogeochemistry, microbial ecology, hydrology, climatology and aquatic ecology.

Dr. Jaime D. Barnes from the department of Earth and Planetary Sciences in the College of Arts and Sciences was a 2007 recipient of the esteemed *L'Oréal USA Fellowships for Women in Science,* placing her among a select group of five rising young women scientists.

The late Terry Yates, UNM Vice President of Research and Economic Development, was awarded honorary membership in the *American Society of Mammalogists,* the highest honor the professional society bestows. Only 84 such awards have been made since the society was formed in 1912.

With the help of a $400,000 grant from the *National Science Foundation,* Assistant Professor of Mechanical Engineering Herbert Tanner is investigating how a team of robots can combine their different capabilities to solve problems that none could tackle on its own.

ACADEMIC SUCCESS

Nearly $3,000 in scholarship money was given out at the 4th Annual Mercer Speech Tournament. The winner of the tournament addressed the personal effects of DWI in our society.

At UNM's second Technology Business Plan Competition, a who's who of New Mexico venture capitalists awarded first, second and third place prizes worth $25,000, $10,000 and $5,000 to the top three teams. Of the nine teams, Zia Scientific took the top prize and UNM Anderson MBA candidates swept the field.

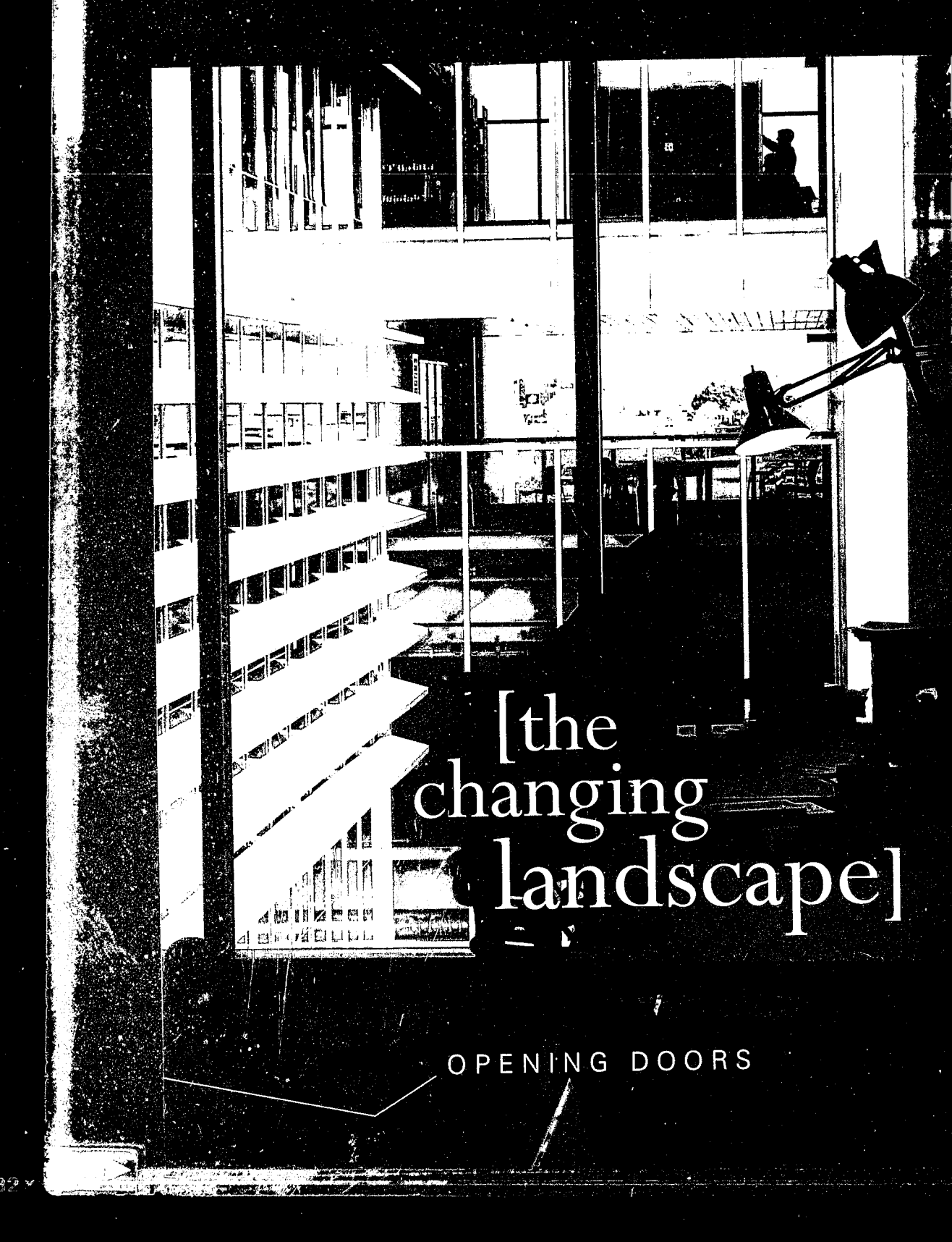
Fifteen members of the UNM Student World Affairs Delegation team participated in the Harvard World Model United Nations conference in Switzerland, returning with three awards for excellence in diplomacy.

Dohnia Dorman, UNM senior in Communication and Journalism, was selected as a finalist for the *American Advertising Federation's Most Promising Minority Students Program.* She and nominator/faculty adviser Karolyn Cannata-Winge were acknowledged at the New York Athletic Club in New York City. Along with other finalists, Dorman was featured in *Advertising Age* and *USA Today.*

Cotillion Sneddy earned her bachelor of science from University of New Mexico-Gallup in 2007. Like many of her classmates, Sneddy is Navajo. As a parent educator who brings materials into the home to show parents how to work with their children, she is making a difference in how Native Americans in her community are educated.

Will Consuegra, third-year law student at the UNM School of Law, is one of a handful of young real estate experts throughout the United States accepted into the *National Association of Industrial and Office Properties' (NAIOP) Leadership Discovery Program for Emerging Professionals.* The winners were picked from a group of 100 participants from across the country.

UNM chose 2002 Mesa Vista High School graduate Jenelle Manzanares to receive the *2007 UNM Ronald E. McNair Top Scholar Award.* Manzanares went on to graduate from UNM's College of Education with a bachelor of science in elementary education in the spring of 2007, specializing in K-8 mathematics and teaching English to speakers of other languages (TESOL).


[the
changing
landscape]
OPENING DOORS

CAPITAL PROJECTS

In 2007 UNM celebrated completion of two new buildings as well as major renovations to two existing facilities.

George Pearl Hall was formally dedicated in October. Home of the School of Architecture and Planning and the Fine Arts and Design Library, the 108,000 square foot building cost $28.7 million to construct and, along with the UNM Bookstore, now serves as an impressive gateway to the Albuquerque main campus. Strategically situated on historic Route 66, Pearl Hall is a modern interpretation of UNM's Spanish Pueblo Revival Style architecture designed by Antoine Predock, an American Institute of Architects Gold Medalist and alumnuss of UNM. The building is named for George Pearl, FAIA, a long-time, much beloved Albuquerque architect and preservationist who died in 2003.

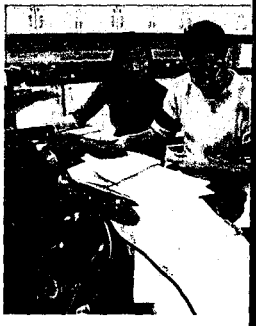
Domenici Center for Health Sciences Education is a 48,000 square foot, $16 million state-of-the-art facility designed to advance medical education and training for all health sciences at UNM – the School of Medicine, the Colleges of Nursing and Pharmacy, Diagnostic and Therapeutic Sciences, Public Health and Biomedical Sciences. The Center was named after New Mexico Senator Pete Domenici, a stalwart supporter of New Mexico health education. Phase I of the three-phase project includes two buildings that house a 300-seat auditorium, several small- and medium-sized classrooms, a medical bookstore, conference rooms, student and administrative meeting spaces, a lactation room and more.

The Communication and Journalism building's $4 million facelift added a new broadcast studio, a second computer lab, a student lounge and library, a multi-purpose workspace and additional classroom space. The building reopened in August.

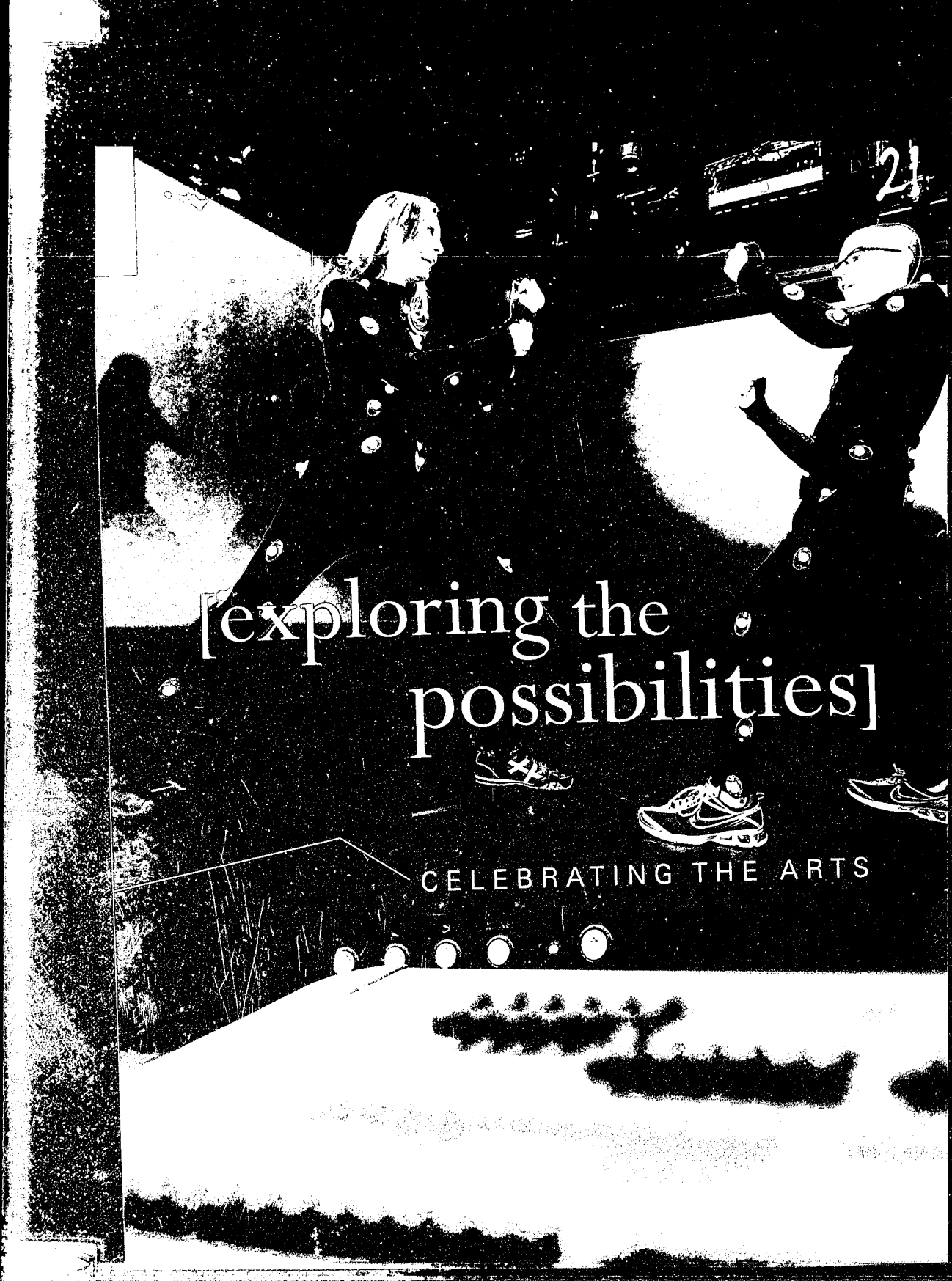
From an old, dark basement to a shiny, well-lighted facility, the transformation of the lowest floor of the UNM biology department's Castetter Hall is remarkable. Now virtually complete, the $7 million basement renovation project has reconfigured and remodeled the oldest parts of the building into a modern teaching complex for introductory biology classes that includes five new student teaching labs.

Domenici Center

Communication and Journalism



Castetter Hall


[exploring the possibilities]
CELEBRATING THE ARTS

A NEW KIND OF ART

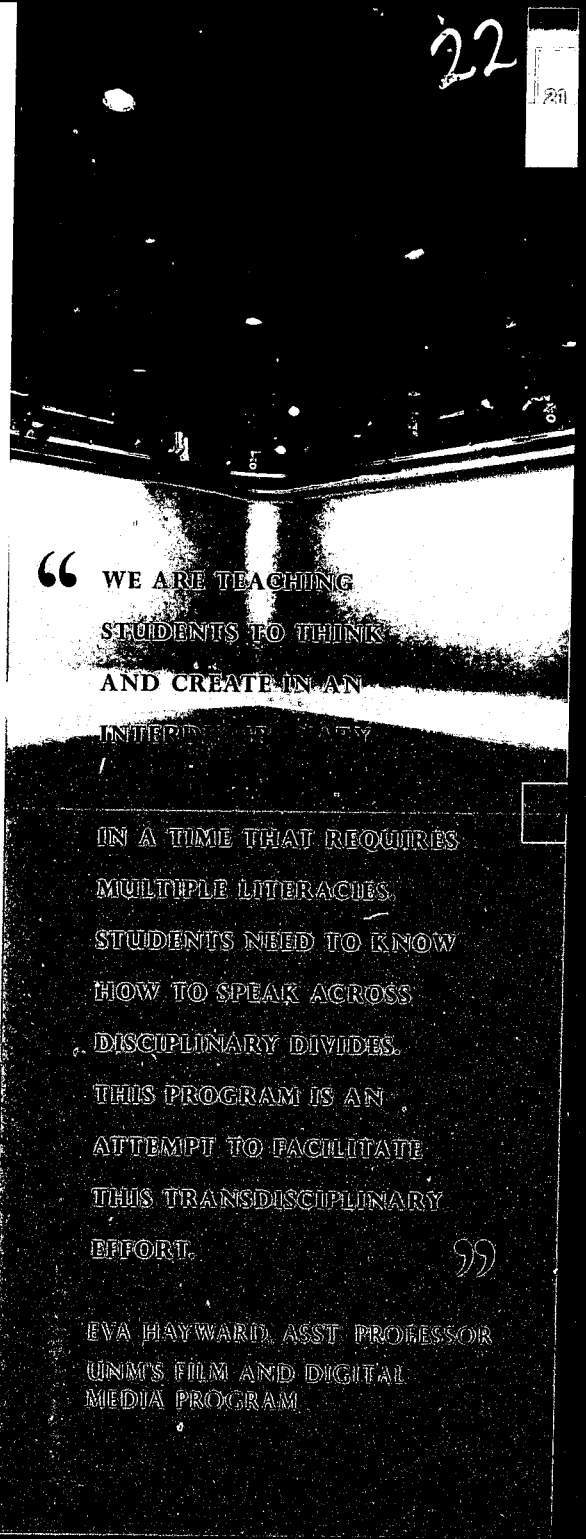
In the 19th century Richard Wagner transformed art by fusing music, theatre and visual arts. Today instruments, stages and canvases exist in a digital realm. With emerging 21st century technology, Wagner's "complete art" enters a new era. Students participating in UNM's interdisciplinary film and digital media program are pioneering this exciting frontier.

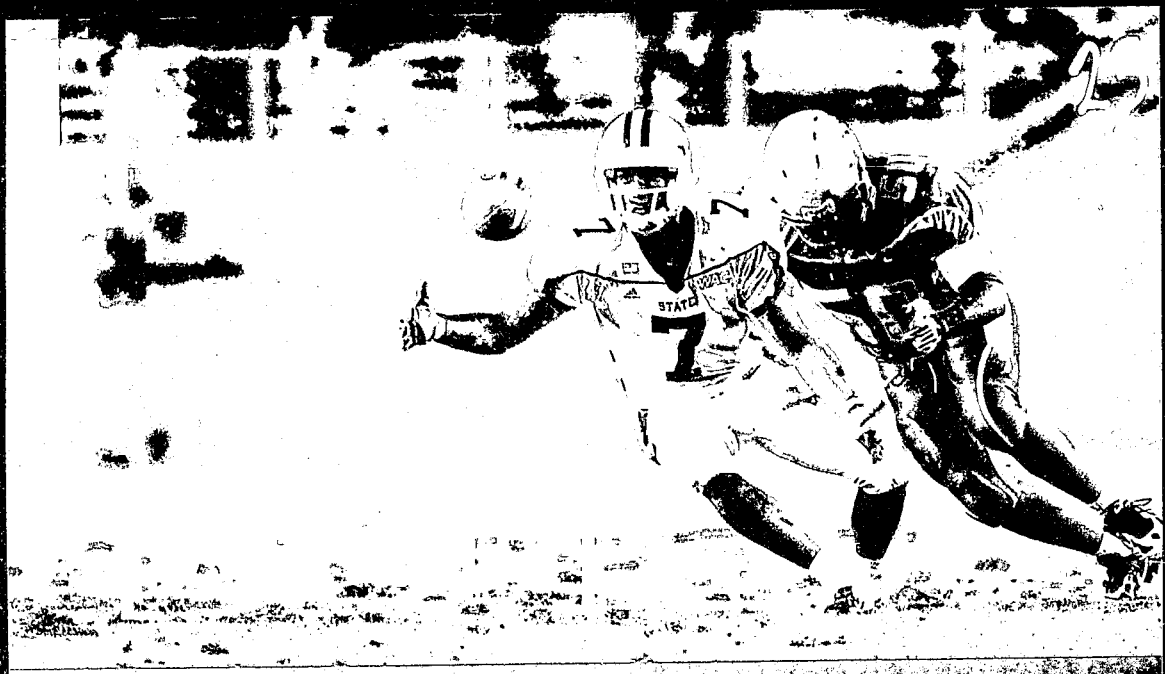
With its first class offered in fall 2007, the new program trains students in the skills needed for successful careers in New Mexico's emerging film and digital media industry, according to Christopher Mead, Dean of the College of Fine Arts. The curriculum has degree tracks in the College of Fine Arts, the School of Engineering, the College of Arts and Sciences and the Anderson School of Management.

Mead notes the program's collaboration with Sony Imageworks and the importance of the new chair in film and digital media that has been endowed by Forest City Covington, developer of the Mesa del Sol planned community in Albuquerque. The state has also been very supportive of these initiatives and partnerships. To establish a niche in the film industry, the program recognizes and builds on the rich cultural heritage and diversity of New Mexico.

Shem Nguyen, a digital media student, wants to learn how to create special effects in film. "I decided to participate in the program because I'm very interested in both media and technology, and the way art can be approached with the computer as a tool," she adds.

Assistant Professor Eva Hayward reports that industry leaders, artists, technicians and scientists from across the country have participated in the program's classroom speaker series.





UNM ATHLETICS

BASEBALL

- Junior Jordan Pacheco was named Mountain West Conference Player of the Year.
- Ray Birmingham was named the Lobos' 11th head coach.

MEN'S BASKETBALL

- Steve Alford was named the Lobos' 19th head coach.

WOMEN'S BASKETBALL

- The Lobos won the Mountain West Conference Tournament for the fourth time in the past five years and advanced to the NCAA Tournament for the 6th consecutive season.
- Junior Dionne Marsh was chosen the Most Valuable Player of the MWC Women's Basketball Tournament for the second time in three years.

FOOTBALL

- UNM finished 9-4, becoming the 4th New Mexico team to win nine or more games in a season.
- The Lobos beat Nevada 23-0 in New Mexico Bowl II, UNM's first bowl victory in 46 years. It was New Mexico's 5th bowl game in the past six seasons.
- Senior K. John Sullivan became the 3rd consensus All-American in UNM history, joining W.R. Terance Mathis (1989) and S. Brian Urlacher (1999). A former walk-on who kicked with a torn ACL in his plant (left) leg all season, Sullivan was the nation's top FG kicker with a school and MWC record of 29 made.

MEN'S AND WOMEN'S GOLF

- Senior golfer Charlie Beljan was named MWC men's player of the year, while freshman Jodi Ewart picked up co-player of the year honors on the women's side. Both were second team All-America selections.

SKIING

- The Lobos finished sixth at the NCAA Championships in head coach George Brooks' 37th and final season at UNM.
- Freshman alpine skier Malin Hemmingsen won the individual women's slalom, the second Lobo woman to win gold in the slalom at the NCAAs.

MEN'S SOCCER

- The Lobos won their fourth consecutive Mountain Pacific Sports Federation title, posting a 12-5-2 mark overall. The Lobos advanced to the NCAA Tournament for the sixth time in the last seven years.
- UNM held the highest winning percentage (80.1%) in the NCAA since 2004, posting a 61-11-11 mark.
- Junior Chris Wright and sophomore defender Simon Tejedor were both named Academic All-Americans.
- UNM has had at least one Academic All-American each year since 2003, a claim only one other school in the nation can make.

TRACK AND FIELD/ CROSS COUNTRY

- Senior Jeremy Johnson received All-America honors three times in 2007, one for academics and two for athletics. Johnson finished 7th in the 10,000 meters at the 2007 NCAA Outdoor Championships and 20th at the 2007 NCAA Cross Country Championships.

[give & grow]

BRINGING NEW VOICES TO HEALTH CARE POLICY

Imagine that the newest perspective in the national debate over health policy comes from those who stand to gain the most from quality health care: minorities – Hispanics and Native Americans in particular. Now imagine those people are UNM students.

With the help of a new $18.1 million grant from the Robert Wood Johnson Foundation, this scenario promises to become reality within five years.

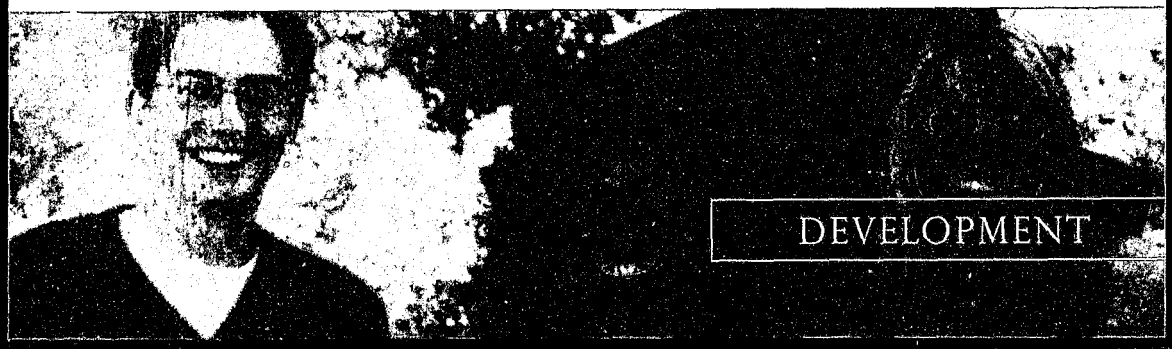
The grant seeds a center for health policy at UNM that will prepare minority doctoral students for leadership in health policy formation. Through recruitment and stimulating academic offerings, the graduate program will bring in top students of color who aspire to a career in this field. The center will also conduct independent research on how current health policy affects minority populations and spotlight these issues in national conferences and workshops.

"When it comes to health, one size does not fit all," says RWJF President and CEO Risa Lavisso-Mourey. "We need to nurture and support a new generation of health policy leaders with diverse perspectives."

Robert Otto Valdez has been named the executive director of the Robert Wood Johnson Foundation Center for Health Policy at UNM. He joins the University after leading his own research and analysis firm and having also served as a senior health scientist with the RAND Health Sciences Program in Santa Monica, California and Washington, D.C.

"We are delighted that Dr. Valdez will be leading the effort to attract and support a new generation of health policy leaders with...diverse perspectives," Lavisso-Moure says.

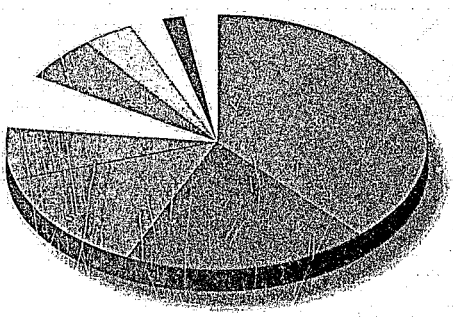
The RWJF Center for Health Policy provides a physical, educational and cultural home for young minority leaders and others, offering them the training, research and opportunities they need to shape the national health policy debate. As a University-wide interdisciplinary research organization dedicated to addressing the social, behavioral and economic factors affecting health and health care, the center emphasizes applying social science therories and methods to reduce or elminate disparities of health in our population and in the medical services available to minorities. Through its students and programs the Robert Wood Johnson Foundation Center for Health Policy will serve as a national resource by increasing the number and diversity of policy professionals who can exercise leadership in improving present health policy and practice.



As the state's flagship institution of higher learning, UNM serves more than 32,000 students on its five campuses. With nearly 50% of the state's undergraduates and over 80% of its graduate and professional students, UNM produces most of New Mexico's lawyers, doctors, nurses, teachers, engineers, business executives and other community leaders.

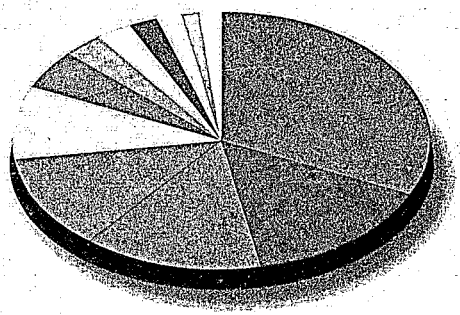
In FY2007, UNM received $349.9 million from the New Mexico state legislature for operating expenses. From this public support, UNM generates a total budget of $1.84 billion, making the state contribution less than 25% of UNM's total operating budget. The rest of UNM funding is received from sales and services, research grants and contracts, tuition & fees, private donors and other sources. UNM is committed to maintaining low administrative costs and working with all departments to ensure they are run at the most productive and efficient levels.

REVENUE FY2007



- 37% Sales & Services
- 18% State Appropriations - operating
- 13% Grants & Contracts
- 7% Tuition & Fees
- Other
- 6% Local Government Appropriations
- 4% Reserves
- Private
- 2% State Bonds
- Federal Appropriations
- State Appropriations - capital
- <1% Institutional Bonds

EXPENSES FY2007

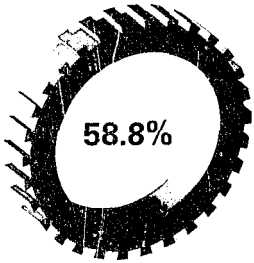


- 32% UNM Hospitals
- 16% Public Service
- 14% Capital Exp./Maintenance/Utilites
- 12% Instruction
- Research
- 5% Student Aid
- 3% Auxiliary Services
- Central Adminstration
- 2% Academic Support & Library
- Branch Campuses
- 1.5% Student Services
- 1.5% Athletics

Among the Bureau of Business and Economic Research's findings in its independent analysis of UNM's economic impact:

- 41.2% of UNM's expenditures were funded by out-of-state revenue sources.
- More than 80% ($581.6 M) of outside dollars stayed in state as direct purchases from New Mexico businesses.
- The total economic impact of the out-of-state dollars UNM brought into New Mexico in fiscal year 2007 amounts to:
  - Almost $1.1 B in total output
  - An additional $429.6 M in personal income to New Mexico citizens; and
  - An additional 11,439 full-time equivalent jobs.
- UNM's out-of-state funding generates approximately $50 M* in tax revenues.

REVENUE SOURCES FY2007

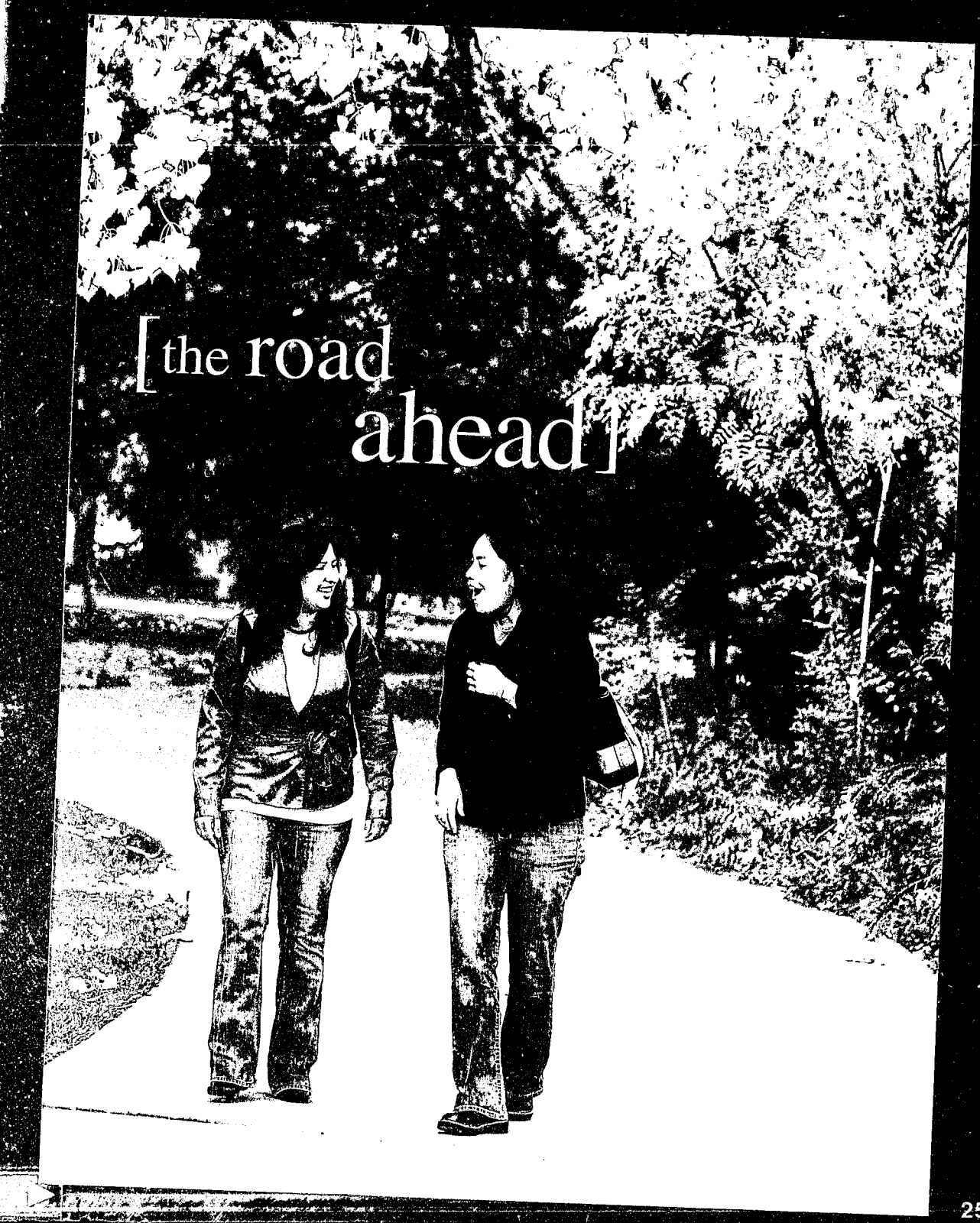


In-state

Out-of-state

Out-of-state revenue source FY2007 dollars remaining in New Mexico

[the road ahead]



"I INVITE YOU TO JOIN ME TODAY IN ACHIEVING A VISION – A VISION THAT IS AS BOLD AS OUR FUTURE IS BRIGHT."

DAVID J. SCHMIDLY
INAUGURATION ADDRESS
OCTOBER 7, 2007

As we celebrate the learning and successes of our recent past, we aspire to the greatness that is our future. UNM's "Strategic Framework," a new expression of our mission, vision, core values, and high-level strategies, will guide us.

What will that future look like?

Working together, we will be known as an institution that understands its diversity as a strategic advantage. We will deepen and share the understanding of the diverse cultures that come together at UNM, and we will demonstrate the positive power of inclusion. This strength through diversity will inspire others around the world to leverage and celebrate the value of difference

We will be known as a committed community creating student success through collaboration with those who share our mission of educating the citizens of New Mexico and beyond. We will work together to assure that each child in our state has the opportunity and resources to develop the confidence and skills that open the door to higher learning.

UNM's vital academic climate, punctuated by the virtue of academic freedom, will place us in the company of the world's great universities as an institution where dynamic, interactive, and passionate exchange of ideas takes place.

Demonstrating excellence through relevance, we will be seen as the university of choice for the brightest students. We will offer nationally recognized programs at the undergraduate, graduate and professional levels that will remain relevant in the 21st century and beyond.

We will engage in research for a better world, utilizing our southwestern geography and our expansive international connections as important platforms for research activities that lead to economic development and improved quality of life.

Known for our health and wellness leadership, we will ensure access to all as we provide state-of-the-art facilities and care. Our efforts will lead to new ways to preserve wellness, as well as treat and cure disease. We will serve as a role model and resource to other institutions wishing to join our commitment to a healthier world.

The quality of our international engagement activities will build and strengthen important relationships and partnerships around the world. Our successful collaborations will position UNM to become a major hub for educational, research, health care, and outreach initiatives that touch all parts of the globe.

And, as a result of achieving this vision, UNM will become the first minority/majority university in the country to attain membership in the prestigious Association of American Universities.

Indeed, our future is as bright as the New Mexico sun. I invite you to join us on our journey toward that light.

¡ADELANTE!

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Viola E. Florez, *Interim Provost & Executive Vice President for Academic Affairs*

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Ashley Fate, *President, Associated Students of UNM,*

Joseph Garcia, *President, Graduate & Professional Student Association*

Jackie Hood, *President, Faculty Senate*

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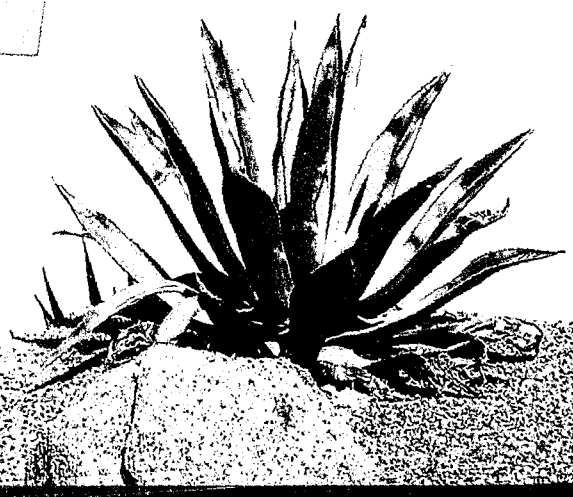

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11 *Rural health extension chart* Paul Akmajian

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UNM ANDERSON SCHOOL of MANAGEMENT

ANNUAL REPORT

2006-2007

UNIVERSITY OF NEW MEXICO
Anderson School of Management
July 1, 2006 – June 30, 2007

Submitted by:
Amy Wohlert
Interim Dean

The Anderson School of Management UNM ANDERSON SCHOOL of MANAGEMENT

Anderson School of Management is committed to: (1) shaping the character and intellect of the next generation of business leaders, (2) advancing the knowledge and practice of management, (3) promoting economic development in New Mexico and (4) building a vibrant intellectual environment that serves the best interests of all our stakeholders. The Anderson School received initial AACSB International accreditation in 1975 and is currently accredited in both business and accounting.

This year, Anderson opened its new Anderson Student Center, the Pillmore Ethics Center, the Radosevich Technology Center and the Financial Services Center in a stunning addition to the Graduate School of Management Building. These facilities support work for which Anderson faculty members have achieved national recognition for their contributions: business ethics and social and environmental stewardship education (Beyond Grey Pinstripes) and Management of Technology (International Association for Management of Technology). In addition, we are recognized for our contributions to education for Hispanic students (*Hispanic Business Magazine* and *Hispanic Trends Magazine*).

Anderson's commitment to economic development in New Mexico proceeds on two fronts: high technology and low/no technology. In support of high technology economic development, Anderson manages the annual UNM Technology Business Plan competition. In its second year, the competition involved nine teams of 20 students and culminated with the awards of $40,000 to three winning teams of UNM students.

Anderson commitment to low/no technology economic development has been evidenced with the programs and conferences for indigenous people including the Native American Business Day, Native American Career Fair, and announcing the 2007 Fostering Indigenous Business and Entrepreneurial Alliances in the Americas (FIBEA) conference. These activities amplify Anderson's commitment to our multi-cultural student body through organizations such as Association for Latino Professionals in Finance and Accounting, American Indian Business Association, and National Society of Hispanic MBAs (NSHMBA) and Hispanic Business Student Association (HBSA).

In an effort led by Anderson faculty, UNM was designed one of 12 new National Centers of Academic Excellence in Information Assurance Education (CAEIAE) by the National Security Agency and the Department of Homeland Security. Only three business schools in the nation are involved with this program, UNM being a unique selection with a crossover between the technology and management. The CAEIAE program is designed and intended to reduce vulnerabilities in the national information infrastructure by promoting higher education in information assurance and producing a growing number of professionals with information assurance expertise in various disciplines.

Statement of Vision, Mission, and Goals

Anderson faculty has crafted an updated statement of Vision, Mission, and Goals for the School that more accurately reflects our collective aspirations for the future. Adopted on December 10, 2004, the statement is as follows:

Vision

We envision a nationally recognized management school that will build on the University of New Mexico's strategic advantages to provide high quality education, research, and service to enhance the quality of life of our constituents.

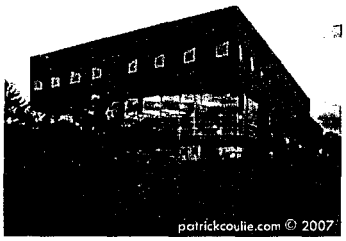
Mission

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, and Management of Technology (FIT); and Marketing, Information and Decision Sciences (MIDS). The individual departments' annual reports follow.



DEPARTMENT OF ACCOUNTING (JULY 1, 2006-JUNE 30,2007)

Chair:	James R. Hamill	Professor
Full-time faculty:	Philip D. Bougen	Associate Professor
	Rich Brody	Associate Professor
	Ann K. Brooks	Lecturer
	Michele Chwastiak	Associate Professor
	Norman Colter	Lecturer
	Carol LaRotonda	Visiting Lecturer
	Leslie S. Oakes	Associate Professor
	Alistair M. Preston	Professor
	Robert J. Tepper	Lecturer
	Dennis F. Togo	Professor
	Craig G. White	Associate Professor
	Joni J. Young	Professor
Part-time faculty:	M. Chelius	Brandon Haines
	Angela Ekofo	Jack Emmons
	Tom Mouck	Dennis Sterosky
	Tony Strati	

SIGNIFICANT DEVELOPMENTS, SPONSORED ACTIVITIES

In addition to the service activities listed under the names of the faculty members within the Department of Accounting, each faculty member participates in recruitment events sponsored by accounting and other firms who hire Anderson School accounting students. The majority of these recruiting activities take place during the month of September.

September 13, 2006 the Department of Accounting held the Annual Accounting Career Fair where 26 accounting recruiters met Anderson accounting students. We hosted a table for Beta Alpha Psi, Institute of Management Accountants, New Mexico Society of CPAs and the Association for Latino Professionals in Finance and Accounting – each of the events served to link Anderson accounting students to their professional communities.

In addition to their academic work and their service to Anderson, Anderson's accounting faculty members are visible contributors in a number of UNM and community organizations including the UNM Center for Information Assurance Research and Education (CIARE), NM Educators Federal Credit Union, Albuquerque Habitat for Humanity, United Way, Provost's Sustainability Task Force, Academia de Lengua & Cultura (an APS Charter School), Financial Committee of Health Care for the Homeless, US District Court in Albuquerque, Sandia Audit Intern Program, Jesus Christ of Latter-Day Saints, Easter Seals, and the Board of New Mexico State Society of CPAs.

PROMOTIONS, SABBATICALS, SEPARATIONS, AWARDS

James Hamill, Chair
Weekly tax column in Business Outlook, *Albuquerque Journal*
Monthly tax column in Mature Life Magazine *Albuquerque Journal*

Michele Chwastiak
2006 Emerald Management Reviews Citation of Excellence for her article "Rationality, Performance Measures and Representations of Reality: Planning, Programming and Budgeting and the Vietnam War" (Critical Perspectives on Accounting, January, 2006, pp.29-55

REDW Lectureship recipient.

Sharon Cox
Accepted offer as Assistant Professor to begin Fall 2007

Joni Young
Associate Dean for Research

Carol LaRotonda
Visiting Lecturer

Craig White
New Mexico Business Weekly's "40 under 40" business leaders 2006
Sabbatical in Spring 2007

PUBLICATIONS & PRESENTATIONS

Philip Bougen
"Bureaucracy, Imagination and US Domestic Security Policy," (with P O'Malley), (forthcoming) *Security Journal*

Rich Brody
"Phishing, Pharming and Identity Theft" (with E. Mulig & V. Kimball) *Academy of Accounting and Financial Studies Journal*, 2007, 11(3), pp. 43-56.

"Counterfeit Drugs: A Potential Epidemic" (with R. B. Smith) *Insights to a Changing World*, 2007, 1, pp. 1–11.

"Merit Pay, Responsibility, and National Values: A U.S.-Taiwan Comparison" (with S. Lin and S. Salter) *Journal of International Accounting Research*, 2006, 5(2), pp. 63-79.
"Divorce and the Role of the Forensic Accountant" (with J. Fellows) *Journal of Forensic Economics*, 2006, 19(1), pp. 11-27.

"Natural Catastrophe and Disaster Fraud" (with V. Kimball) *Fraud Magazine*, 2006, 20(6), pp. 28-31, 51.

"Losing the Public's Trust: Third-Party Service Providers and Disclosure" (with J. Coulter and J. Jewell) *The CPA Journal*, 2006, 76(9), pp. 66-70.

Presentations at Professional Meetings:
"Consumer Concerns Regarding Preventative Technological Innovations: An Empirical Study." American Society of Business and Behavioral Sciences (ASBBS) Annual Meeting. Las Vegas, NV. February 24, 2007.

"A Potential Epidemic: Counterfeit Drugs." ASBBS Annual Meeting. Las Vegas, NV. February 23, 2007.

"Phishing, Pharming and Identity Theft." The Allied Academies International Internet Conference. July 2006.

Invited Presentations:
"Fraud: Who's to Blame?" Albuquerque Chapter of the Institute of Management Accountants. Albuquerque, NM. February 13, 2007.

"Financial Statement Frauds: You May Ask Yourself...How Did We Get Here?" Albuquerque Chapter of the Institute of Internal Auditors. Albuquerque. NM. September 20, 2006.

Michele Chwastiak
Presentations:
International Association of Business and Society, Florence, Italy (2007): "War, Inc.: Private, Unaccountable and Profitable"

Standing Conference for Management and Organizational Inquiry, Las Vegas, NV (2007): "Rendering Death and Destruction Visible: Counting the Costs of War"

American Accounting Association Annual Meeting, Washington DC (2006): "Rendering Death and Destruction Visible: Counting the Costs of War"

Invited Presentations
2007: Research Project Accounting Conference, University of Saskatchewan: Plenary Speaker, "Rendering Death and Destruction Visible: Counting the Costs of War"

2006: American Accounting Association Annual Meeting, Washington, DC: Participated in a panel presentation on Imperialism and Accounting

James R. Hamill
"Valuation of the Embedded Option in a Non-Cancelable Lease: Theory and Application," with Joel Sternberg and Craig White. Journal of Applied Business Research, vol. 22, No. 3, 3rd quarter 2006, pp. 43-52.

Alistair M. Preston
"Enabling, enacting and maintaining action at a distance: An historical case study of the role of accounts in the reduction of the Navajo herds," Accounting, Organizations and Society, Vol. 25, No. 4-5, pp. 559-578

Contracts & Grants:
New Mexico Motor Vehicle Division, Developing Audit Instrument for MVD Offices, Agencies and Dealers, with Ann Brooks

Robert J. Tepper
New Mexico's Accountant-Client Privilege, **New Mexico Law Review,** vol. 37, no. 2.

Presentation
Appellate Advocacy: What Works and What Doesn't. Presented to the Federalist Society (Student Chapter) at the UNM Law School (November 29, 2006).

Dennis F. Togo

Proceedings
"Curvilinear Analysis of Learning for Cost Estimation," Southwest American Accounting Association Conference, February 2007.

Craig G. White
Spenser, A., R. Saemundsson, B. Kirchoff, and C. White. Forthcoming. "Entrepreneurship, Innovation, and Wealth Distribution: The Essence of Creative Destruction" *International Small*

Joni J. Young
"Examining Audit Relations" (2006). Advances in Public Interest Accounting, v. 12, 49-65.
Making Up Users (2006). Accounting, Organizations and Society, v. 31, n. 6, 579-600.

"The construction of "the user" in financial accounting standard-setting," EAA Newsletter (2007), issue 1 pp. 5-6.

Presentations:
Accountability Re-examined: Evidence from Hull House (with Leslie Oakes), 2007 AAA Conference, Chicago, IL.

Towards an Ethical Standard-setting Process (with Paul Williams) 2007 APIRA conference, Auckland, New Zealand.

Risk and accountability presented at Organizing risk regulation: current dilemmas, future directions; ESRC Centre for Analysis of Risk and Regulation, London School of Economics, March 2007.

Writing Accounting Ethics: Discussions in the Journal of Accountancy accepted for presentation at 2006 AAA conference held in Washington, D.C. (Presentation completed by Paul Williams).

Success in Accounting Academia, panel participant at Emerging Scholars Colloquium associated with APIRA 2007 in Auckland, New Zealand.

Risk and accountability presented at Centre for Analysis of Risk and Regulation, London School of Economics, March 2007.

External Service Activities

Philip Bougen
Ad hoc Reviewer:
Accounting, Auditing and Accountability Journal
Accounting, Organizations and Society
Critical Perspectives in Accounting
European Accounting Review
Issues in Accounting Education Organization
Research in Accounting in Emerging Economies

Rich Brody
Associate Director of the UNM Center for Information Assurance Research and Education
Advisory Board of Directors, Franklin Publishing Company
Editorial Advisory Committee, Association of Certified Fraud Examiners
Ad Hoc Reviewer for:
Advances in Accounting
Advances in Accounting Behavioral Research
Advances in Accounting Education
Auditing: A Journal of Practice & Theory
Behavioral Research in Accounting
Issues in Accounting Education
Journal of Business Disciplines
Managerial Auditing

Ann Brooks
Professional and Community Committees/Projects/Activities:
Chair of Supervisory Committee for NM Educators Federal Credit Union

President and Board Member of Albuquerque IMA Chapter
Member of Institute of Internal Auditors
Member of National Association of Credit Unions Supervisory Committees
Consultant for Taxation and Revenue Internal Audit Division
Consultant for Albuquerque Habitat for Humanity
Member of Title V Evaluation Grant Team
United Way Fund Panel Member

Michele Chwastiak
Secretary/Treasurer, American Accounting Assoc., Public Interest Section
Editorial Board: *Accounting Forum, Accounting and the Public Interest*
Reviewer: *Accounting Forum, Critical Perspectives on Accounting*
Accounting and the Public Interest Discussant, Moderator
Reviewer: Interdisciplinary Perspectives on Accounting Conference
American Accounting Association Annual and Regional Meetings
Critical Perspectives on Accounting Conference

Norman Colter
Fiscal consultant and planning board member for Academia de Lengua y Cultura, APS charter school
Member of the American Institute of CPAs
Member of the NM Society of CPAs
Serve on the Executive Board of the Assoc. of Latino Prof. in Finance and Acctg.
Faculty Advisor for Association of Latino Professionals in Finance and Accounting

James R. Hamill, Chair
Editorial Board Membership – Commerce Clearing House *Executive's Tax and Management Report,*
AICPA CPE Course Materials

Leslie S. Oakes
Member of the Financial Committee of Health Care for the Homeless
Ad hoc reviewer for:
- Accounting Historians Journal
- Management Inquiry
- Administrative Science Quarterly
- Critical Perspectives on Accounting
- Contemporary Accounting Review
- Accounting, Organizations and Society
- Organizational Studies
- Advances in Public Interest Accounting
- European Accounting Review
- Accounting, Auditing and Accountability Journal

Volunteer at Harm Reduction Services

Alistair M. Preston
Ad hoc reviewer for:
Critical Perspectives on Accounting
Advances in Public Interest Accounting
Accounting, Auditing & Accountability Journal
Abacus
European Accounting Review

Robert Tepper
Member-Colorado Society of CPAs and AICPA.
Coordinator and instructor for annual law clerk orientation program sponsored by the US District Court in Albuquerque, New Mexico.
Member State Bar of New Mexico.
Member, UNM Online Course Standards Task Force.

Dennis F. Togo
Member of the Faculty Senate Curriculum Committee (FSCC)
Sandia Audit Intern Program Committee member
Ad Hoc Reviewer for *Accounting Education, Advances in Accounting,* Western Decision Sciences Institute Conference, Management Accounting and Education sections for Southwest AAA.
Federated Schools of Accountancy Curriculum and Content Committee
IMA Campus Director for the University of New Mexico
Stake Financial Auditor, Albuquerque West New Mexico Stake, The Church of Jesus Christ of Latter-Day Saints

Craig G. White
Chair of the UNM Intellectual Property Policy Committee
Anderson School representative to the Faculty Senate Research Policy Committee
Faculty Advisor UNM Volunteer Income Tax Assistance Program
Ad hoc reviewer for *Technovation*
Board of Directors, Easter Seals New Mexico
New Mexico State Society of CPAs Member/Market & Nominating Committee Member
Board of New Mexico State Society of CPAs

Joni J. Young
Member of editorial boards:
Accounting, Organizations and Society, Accounting History, Accounting Historian's Journal,
Accounting and the Public Interest, Accounting, Auditing and Accountability Journal
Beta Alpha Psi Advisory Board member
Associate Dean of Research

DEPARTMENT OF ORGANIZATIONAL STUDIES
(July 1, 2006 – June 30, 2007)

Chair: Jacqueline N. Hood Professor

Full-time Faculty:

John Ackerman	Lecturer
Michelle Arthur	Associate Professor
Shawn Berman	Associate Professor
Joseph Champoux	Professor
Jan Corzine	Professor Emeritus
Ann Cunliffe	Associate Professor
Robert DelCampo	Assistant Professor
Kathryn Jacobson	Assistant Professor
Stephen Linstead	Visiting Research Scholar
Jeanne Logsdon	Professor
Karen Patterson	Assistant Professor
Douglas Peterson	Visiting Assistant Professor
Harry Van Buren	Assistant Professor

Part-time Faculty:

David Albright	Amelia Nelson
Mark Barela	James Pendergast
Brian Beck	Glen Petersen
Albert Cherino	Robert Poyourow
Mary Cooley	Rebecca Rigney
Jens Deichman	Karen Ross
LaVerne Ellerbe	Michael Salazar
Daniel Faber	Paul Sandoval
Nikki Mann	Larry Waldman

SIGNIFICANT DEVELOPMENTS, SPONSORED ACTIVITIES

- Jaye Francis, Department Administrator and Coordinator of the American Indian Business Association, organized several projects for Native American students at the Anderson Schools of Management. The Native American Business Student Day, held in Nov. 2006, was a successful event which brought together the Native business community, Native student resources, and Anderson Native business students. In April 2007, the 1st Annual Native American Career Fair was held with a sold-out number of recruiter booths (24). This was the first major event held in the newly built Anderson Student Events Center where approximately 200 students attended. In June 2007, Jaye organized the Management portion of the American Indian Student Services Summer Bridge Program for entering freshman. There were 30 Native American students who participated in this program which included a business simulation, field trips to Native-owned businesses, and guest speakers.
- John Ackerman continues as ASM faculty representative for New Mexico Ethics in Business Award student evaluations in which undergraduate classes gain experience in real-life ethical situations by assessing the potential recipients' qualifications for the Award. John also is a Board member of the New Mexico Ethics Institute housed at the Anderson School.

- Shelly Arthur was a member of the Executive Board of Women's Studies, served on the UNM Work-Family Executive Committee, and organizing Chair for the 'Women Braving Violence' Conference.
- Joe Champoux served on the Executive Committee of the MED Division of the Academy of Management.
- Ann Cunliffe is the Associate Editor of *Management Learning* and the *International Journal of Qualitative Research in Work and Organizations*, on the Editorial Boards for *Organization Studies*, the *Journal of Organizational Change Management, Organization Management Journal*, and *Scandinavian Journal of Management*.
- Rob Del Campo is the Associate Editor for the *Business Journal of Hispanic Research*; is the Vice-President for Education and Research, New Mexico Chapter, National Society of Hispanic MBAs; Member, Steering committee for the formation of New Mexico Chapter of the National Society of Hispanic MBAs; and was the Keynote Speaker for the UNM Star Scholars recruitment reception, Las Vegas, NM and the Keynote Speaker UNM Star Scholars recruitment reception, Santa Fe, NM.
- Jackie Hood was chosen as a Woman of Influence by the *New Mexico Business Weekly* and was selected as a Power Broker for 2007 by the *New Mexico Business Weekly*. She was also chosen as the recipient of the Anderson Foundation Board Community Leadership Award and was nominated for the UNM Sarah Belle Brown Service Award both in 2006. For 2007-2008, she serves as the President of the University of New Mexico Faculty Senate, serves on the Faculty Senate Operations Committee, the Provost's Planning Council, and as Chair of the Department of Organizational Studies.
- Jeanne Logsdon is a member of the Faculty Senate and was elected to the Faculty Senate Operations Committee for 2007-2008. She was the Chair of the Faculty Senate Budget Committee and of the Anderson School Budget Committee, was a member of the Provost Search Committee, and served as the Anderson Faculty Chair. She serves on the Washington Campus Board of Directors and oversees the Washington Campus student program.
- Harry Van Buren III serves as a board member of CANNICOR (a non-profit social research organization focusing on the finance sector). He also serves as Program staff to the Social Responsibility in Investments and the Economic Justice Loan Committees, Episcopal Church, New York, NY.

APPOINTMENTS, PROMOTIONS, SEPARATIONS

- Three new faculty were hired this year. Dr. Shawn Berman was hired as an Associate Professor without tenure. He was previously at Santa Clara University. Dr. Karen Patterson was hired as an Assistant Professor. Dr. Patterson had been a Visiting Assistant Professor at the Anderson School the previous year and holds a Ph.D. from Texas Tech University. Finally, Ms. Kathryn Jacobson was hired as an Assistant Professor. Ms. Jacobson is working on her Ph.D. from Arizona State University.
- Helen Muller, Professor, retired from the Anderson Faculty after many years of service.
- Assistant Professor Doug Thomas moved to the Finance, International, and Technology Department.
- Dr. Douglas K. Peterson, Ph.D. was hired as a Visiting Assistant Professor for spring semester 2007.
- Dr. Stephen Linstead was hired as a Visiting Research Scholar in Organizational Behavior for spring semester 2007.
- Visiting Lecturers hired including extension/continuation of Dr. Paul Sandoval, Nikki Mann, and Rebecca Rigney all for 06-07.

PUBLICATIONS & PRESENTATIONS

Shawn Berman

Publications

J.E. Mattingly and Berman, S.L. (2006). Measurement of Corporate Social Action: Discovering Taxonomy in the Kinder, Lydenburg, Domini Ratings Data. *Business and Society.* 45: 20-46.

Introduction to Special Issue

Phillips, R.A.. and Berman, S.L. (2007). Introduction to the Special Section on Accountability. *Business Ethics Quarterly*, 17: 449-452.

Presentations

"A Dynamic Model of Stakeholder Management," (2006). Academy of Management national conference, Atlanta, Georgia, with Michael E. Johnson-Cramer.

"Stakeholders and Common Agents: Implications of an Integration of Two Strategic Theories," (2006). Academy of Management national conference, Atlanta, Georgia, with Heather Elms.

"Ten Years after Wood & Jones (1995): Where are We?," (2006). International Association of Business and Society conference, Merida, Mexico, with Michael E. Johnson-Cramer.

Invited Presentations

"A Dynamic Model of Stakeholder Management," (2006). Inaugural presentation at the Center for Corporate Social Responsibility at the American University, Washington, D.C. With Michael E. Johnson-Cramer.

Joseph Champoux

Books

Our Feature Presentation: Human Resource Management. Mason, Ohio: Thomson South-Western, 2007.

Instructor's Manual for Our Feature Presentation: Human Resource Management. Mason, Ohio: Thomson South-Western, 2007.

Book Chapter

"Experiential Learning in the On-line Environment: Enhancing On-line Teaching and Learning." In M. Reynolds and R. Vince (eds.), *Handbook of Experiential Learning and Management Education,* Oxford, England: Oxford University Press, 2007.

Ann Cunliffe

Book

Hatch, M. J. with Cunliffe, A. L. (2006) *Organization Theory: Modern, Symbolic, and Postmodern Perspectives.* Oxford: Oxford University Press. Second Edition.

Book Chapters

Cunliffe, A. L. & Shotter, J. (2006) Wittgenstein, Bakhtin, management and the dialogical. In D. M. Hosking & S McNamee (Eds.) The Social Construction of Organization. Oslo: Liber CBS Press (pp.226-239).

Cunliffe, A. L. (2007) Social Constructionism, Conversation analysis, Discourse analysis, and Social poetics. 4 chapters in R. Thorpe & R. Holt, (Eds.) *Sage Dictionary of Qualitative Management Research.* London: Sage.

Presentations

Third International Congress on Qualitative Inquiry, Urbana, IL, May 2007
Luhman, J. T., Boje, D. M., & Cunliffe, A. L. Bakhtin and the emergence of organizational discourse.
Cunliffe, A. L. & Linstead, S. A. The art or science of organization? New approaches to validity.

European Group of Organization Studies EGOS, Norway, July 2006
Cunliffe, A. L. & Forray, J. Talking Self: Discursive Practices of Identity Construction.

Second International Congress of Qualitative Inquiry, Urbana, IL, May 2006
Cunliffe, A. L. & Locke, K. Beyond the double hermeneutic: Reflexive interpretation in narrative research.

Academy of Management Participation

Atlanta, Georgia 2006
Cunliffe, A. L. Making critical management studies relevant to leadership. Paper presentation and organizer of Symposium: Making CMS Relevant to Practice: Teaching from a Critical Perspective. *Winner of AoM and MED Division Best Symposium in Management Education and Development.*

- Cunliffe, A. L. Alterity, scholarship, resistance, and passion. Paper presentation and organizer of Symposium: Resisting the Frame: Conversations in Organization and Management Theory.
- Cunliffe, A. L. Presenter, PDW: The relevance of social constructionist approaches to management research.
- Cunliffe, A. L. Presenter, PDW: Comparing management education journals: AMLE, JME, and ML.
- Cunliffe, A. L. Presenter, CMS Doctoral Consortium.
- Cunliffe, A. L. Facilitator, Ethics in and after management education.

Invited Presentations

British Academy of Management, London June 2007

Strathclyde University January 2007
Sole presenter - Distinguished Speaker Seminar for faculty in Scottish Business Schools

Danish University of Education January 2007
Presenter at 2 day Doctoral Consortium

Leeds University October 2006
Presentation and Tutorials for Masters students

Nottingham University, UK, June 2006
Seminar for faculty.

Leeds University, UK January 2006
Seminar for PhD students on Research Methods

Lancaster University, UK, January 2006
Seminar for faculty.

Robert DelCampo

Publications

Blancero, D.M., DelCampo, R.G. & Marron, G. (2007). "Hired for Diversity yet Rewarded for Conformity: Hispanics in Corporate America". *The Business Journal of Hispanic Research*, Vol. 1 No. 1. p.12-25.

DelCampo, R. G., Van Buren, H.J. & Blancero, D.M. (2007). "The Social Networks of Hispanic Elite Professionals: Do Density and Ethnic Identity Matter for Career Success?" *The Business Journal of Hispanic Research*, Vol. 1 No. 1. p. 70-77.

DelCampo, R.G. (2007). "Awareness and evaluation of Hispanic Professional Workplace experience: discrimination, status and fairness issues." *International Journal of Diversity in Organizations, Communities and Nations*, Vol. 7 No. 1. p.23-28.

DelCampo, R.G. (2007). "Understanding the Psychological Contract: A direction for the future". *Management Research News*, Vol. 30 No. 6. p. 432-440.

Blancero, D.M., DelCampo, R.G. & Marron, G.F. (2007). "Perception of Fairness of Psychological Contracts by Hispanic Business Professionals: An Empirical Study in the United States." *International Journal of Management*, Vol. 24 No. 2. p.364-375.

DelCampo, R.G. (2007) "The impact of personality factors on employee perceptions of the psychological contract." *International Journal of Management*, Vol. 24 No. 1. p. 43-52.

DelCampo, R.G. & Hinrichs, A.T. (2006). "A Touch of Class: Differences and Similarities in Work and Family Balance and Family Relationships in Professional and Working Class Hispanics." *Journal of Business and Management*, Vol. 12 No. 1. p.71-81.

DelCampo, R.G. (2007). "Work family conflict within Hispanic-American families". *The Business Journal of Hispanic Research*, Vol. 1 No. 1. p. 97-99.

Proceedings

DelCampo, R.G., Blancero, D.M. & Boudwin, K.M. (2006). "Hispanic professionals after September 11th: A move toward 'American' identification". *Proceedings of the International Association of Business & Economics*, Las Vegas, NV. October, 2006.

Jacqueline Hood

Publications

Smith, H.L., Waldman, J.D., Hood, J.N., & Fottler, M.D. (2007). Strategic Management of Internal Customers: Building Value Through Human Capital and Culture. *Advances in Health Care Management*, 6, 103-131.

Waldman, J.D., Smith, H.L., & Hood, J.N. (2006). Improving Medical Practice Outcomes by Retaining Physicians. *Journal of Medical Practice Management*, 21(5), 263-269.

Smith, A. D., Houghton, S. M., Hood, J. N., and Ryman, J. (2006). Power Relationships Among Top Managers: Does Power Team Dispersion Matter for Organizational Performance. *Journal of Business Research*, 59, 622-629.

Waldman, J.D., Smith, H.L., & Hood, J.N. (2006). Healthcare CEOs and Physicians: Reaching Common Ground. *Journal of Healthcare Management*, 51(3), 171-187.

Proceedings
Logsdon, J.M., Hood, J.N., & Detry, M. (2007). Bullying in the Workplace: Challenges to Preserving an Ethical Organization. *Proceedings of the International Association for Business and Society*, Florence, Italy.

Academic Presentations
Van Buren, H.J. & Hood, J.N. Social Capital in Gendered Organizations. Presented at the Gender, Work and Organizations Conference, Keele, England, June 2007.

Van Buren, H. & Hood, J.N. A Multi-Level Model of Social Capital. Presented to the Organization and Management Theory Division of the Academy of Management Meeting, Atlanta, GA, August 2006.

Kathryn Jacobson
Publications
Gomez-Mejia, L., Haynes, K., Nunez-Nickel, M., Jacobson, K. J. L., & Moyano-Fuentes, J. (2007). Socioemotional wealth and business risk is in family-controlled firms: Evidence from Spanish olive oil mills. *Administrative Science Quarterly*, 52, (1), 106-137.

Presentations
Jacobson, K. J. L., Prussia, G., & Kinicki, A. J. (2006, August). Developing and Validating a Measure of Performance Management Leadership, Paper presented at the annual Academy of Management Meeting, Atlanta, Georgia.

Harrison, S., Jacobson, K. J. L., & Kinicki, A. J. (2006, August). A Qualitative Analysis of Feedback Given to Effective and Ineffective Managers. In S. Harrison (Chair), Adding to our knowledge of leadership: Using qualitative methods to push theoretical boundaries. Symposium conducted at the annual Academy of Management Meeting, Atlanta, Georgia.

Jeanne Logsdon
Publications
Wood, Donna J. & Logsdon, Jeanne M. 2007. «Global Business Citizenship in Action: Business Responses to Healthcare Crises.» *Organizational Ethics*, 4(1): 8-22.

Proceedings
Logsdon, J.M., Hood, J.N., & Detry, M. (2007). Bullying in the Workplace: Challenges to Preserving an Ethical Organization. *Proceedings of the International Association for Business and Society*, Florence, Italy.

Husted, Bryan W. & Logsdon, Jeanne M. (Eds.) 2006. *Proceedings of the Seventeenth Annual Conference of the International Association for Business and Society*, Merida, Mexico.

Van Buren III, Harry J. & Logsdon, Jeanne M. 2006. "Stage of Economic Development, Corporate Social Responsibility, and Civil Society." In B. Husted & J. Logsdon (Eds.), *Proceedings of the Seventeenth Annual Meeting of the International Association for Business and Society*, Merida, Mexico, pp. 170-172.

Van Buren III, Harry J., Logsdon, Jeanne M., & Thomas, Douglas E. 2006. "The Evolution of Corporate Social Responsibility in Mexico." In B. Husted & J. Logsdon (eds.), *Proceedings of the Seventeenth Annual Meeting of the International Association for Business and Society*, Merida, Mexico, pp. 173-177.

Karen Patterson

Presentations

Van Buren, Harry J. and Karen D.W. Patterson. Institutional predictors of and complements to industry self-regulation with regard to labor practices. Conference on Institutional Foundations for Self-Regulation, Harvard Business School, February 16-17, 2007, Boston, MA.

Patterson, Karen D.W. and Marvin Washington. Enacting Institutional Change: Chiropractors as Institutional Entrepreneurs in the Field of Healthcare. European Group for Organizational Studies, July 6-8, 2006, Bergen, Norway.

Patterson, Karen D.W. The Processes and Strategies of Institutional Entrepreneurs in Alternative Medicine. Presented at the Academy of Management, August 11-16, 2006, Atlanta, GA.

Patterson, Karen D.W., David E. Cavazos, Marvin Washington and Keith Brigham. Competing Institutions and Market Formation: The Case of Online Gambling. Presented at the Academy of Management, August 11-16, 2006, Atlanta, GA.

Patterson, Karen D.W. and Marvin Washington. Symposium on the Heterogeneity in Organizational Responses to Institutional Pressures. Organized by Peter Madsen. Presented at the Academy of Management, August 11-16, 2006, Atlanta, GA.

Patterson, Karen D.W. 'The construction of supporting mechanisms during institutional change: Founding of chiropractic schools in the U.S. 1896-2005. Presented at the Western Academy of Management, March, 31, 2006, Long Beach, CA.

Harry Van Buren

Publications

Van Buren III, H. J. and Greenwood, M. 2007. Enhancing employee voice: Are voluntary employer-employee relationships enough? *Journal of Business Ethics*, Online First, DOI 10.1007/s10551-007-9489-y. (To be published in print version at a later date.)

Del Campo, R. G., Van Buren III, H. J., and Blancero, D. M. 2007. The social networks of elite Hispanic professionals: Do density and ethnic identity matter for career success? *Business Journal of Hispanic Research*, 1: 70-76.

Van Buren III, H. J. 2007. Speaking truth to power: Religious institutions as both dissident

organizational stakeholders and organizational partners. *Business and Society Review*, 112: 55-72.

Logsdon, J. M., Thomas, D. E., & Van Buren III, H. J. 2006. Corporate social responsibility in large Mexican firms. *Journal of Corporate Citizenship*, 21: 51-60.

Proceedings

Logsdon, J. M., Rehbein, K., and Van Buren III, H. J. 2007. Seeking social change through shareholder activism: When do corporations respond positively? Paper presented at the annual meeting of the Academy of Management, Philadelphia. In G. T. Solomon (Ed.) Best Paper *Proceedings of the 2007 Academy of Management.*

Van Buren III, H. J., Logsdon, J. M., & Thomas, D. E. 2006. The evolution of corporate social responsibility in Mexico. In B. W. Husted & J. M. Logsdon (Eds.) *Proceedings of the Seventeenth Annual Meeting of the International Association for Business and Society*: 173-177, Merida.

Logsdon, J. M. & Van Buren III, H. J. 2006. Stage of economic development, corporate social responsibility, and civil society. In B. W. Husted & J. M. Logsdon (Eds.) *Proceedings of the Seventeenth Annual Meeting of the International Association for Business and Society*: 170-172, Merida.

Van Buren III, H. J. & Thomas, D. E. 2006. Social responsibility through information disclosure and consumer choice: The case of sex and violence in media-related industries. In B. W. Husted & J. M. Logsdon (Eds.) *Proceedings of the Seventeenth Annual Meeting of the International Association for Business and Society*: 178-179, Merida.

Presentations

Hood, J. N. & Van Buren III, H. J. 2007. Social capital in action. Paper presented at the Fifth Annual Gender, Work, and Organization Conference, Keele University, United Kingdom.

Davis, W. & Van Buren III, H. J. 2007. Stakeholder risk as experienced by non-shareholders: An ethical analysis. Paper presented at the annual meeting of the International Association for Business & Society, Florence.

Van Buren III, H. J. 2007. The plight of low-wage workers: How stakeholder theory does and does not help. Paper presented at the annual meeting of the International Association for Business & Society, Florence.

Logsdon, J. M. & Van Buren III, H. J. 2007. GLOBE Data in Business and Society Research? Paper presented as part of a workshop at the annual meeting of the International Association for Business & Society, Florence.

Van Buren III, H. J. 2007. The development, promise, and pitfalls of industry-level cooperation regarding global business ethics. Paper presented at Fourth Biannual Markkula Center for Applied Ethics, Santa Clara University, San Jose, California.

Van Buren III, H. J. & Patterson, K. D. W. 2007. Institutional predictors of and complements to industry self-regulation with regard to labor practices. Paper presented at the Second Annual Conference on the Institutional Foundations of Industry Self-Regulation, Harvard Business School, Boston, MA.

Logsdon, J. M. & Van Buren III, H. J. 2006. Corporate social responsibility and stage of economic development. Paper presented at the Third Conference on International Corporate Responsibility, Hong Kong.

Van Buren III, H. J. & Hood, J. M. 2006. A multilevel model of social capital. Paper presented at the annual meeting of the Academy of Management, Atlanta.

Van Buren III, H. J. 2006. Rank-and-file employees as a commons: A critical perspective on justice for low-paid workers. Paper presented at the annual meeting of the Academy of Management, Atlanta.

Logsdon, J. M. & Van Buren III, H. J. 2006. Justice and large corporations. What do activist shareholders want? Paper presented at the annual meeting of the Academy of Management, Atlanta.

Van Buren III, H. J. 2006. Fig leaf or revolutionary change? A critical analysis of the fair trade movement. Paper presented at the annual meeting of the Society for Business Ethics, Atlanta.

Van Buren III, H. J. & Greenwood, M. 2006. Enhancing employee voice: Are voluntary employer-employee partnerships enough? Paper presented at the Australian Centre for Employment and Work Conference, Prato, Italy.

Van Buren III, H. J. 2006. The contributions of individuals to social capital: The role of values and friendship. Paper presented at the International Sunbelt Social Network Conference, Vancouver.

DEPARTMENT OF FINANCE,
INTERNATIONAL AND TECHNOLOGY MANAGEMENT (FIT)
July 1, 2006 – June 30, 2007

SIGNIFICANT DEVELOPMENTS DURING AY 2006-2007

In Summer 2006, Anderson School of Management and members of the FIT Department hosted 14 Executive MBA students from a private university in Sao Paulo, Brazil. The students, from the Fundação Armando Álvares Penteado University (FAAP) spent two weeks at Anderson as part of an international exchange study. They took classes in Organizational Behavior and Diversity, Electronic Commerce, Management of Services and Mergers and Acquisitions, taught by Anderson faculty members Dante Di Gregorio, Jackie Hood, Sul Kassicieh and Steve Yourstone. The students were accompanied by two professors.

The second Business Plan Competition was very successful with increased participation of UNM students as well as the Albuquerque business community

Coordinated a Trade mission from the State of Amazonas – Brazil, to the State of New Mexico. Participants: Suframa, Business Associations, and Fucapi, October 23-26, 2006. Mission: to expand trade between the State of Amazonas and the State of New Mexico.

Addition of two new courses, Risk Management and Insurance and Real Estate

Steve Walsh, and Raul Gouvea, were promoted to full professors.
Doug Thomas was promoted to associate professor
Dante Di Gregorio successfully completed his T3 review.

SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

Fostering Indigenous Business and Entrepreneurship Alliances in the Americas
FIBEA, 2007 at Acoma Pueblo – Sky City Resort, New Mexico, November 7-9, 2007.
The FIBEA 2007 Conference will bring together Indigenous business, policy-makers, and academics from North, Central, And South American countries who are interested in the promotion and fostering of Indigenous business alliances, trade, and investment, amongst Indigenous business people. The conference agenda will include two days of business workshops, an Indigenous business expo, and academic workshops.

The Business Plan Competition will be in the Spring of 2008 with an even greater level of participation and funding from the business community. The competition is open to UNM students (any program) enrolled in at least six (6) hours in Fall 2006 or Spring 2007. Teams will construct a business plan for a technological product developed in New Mexico, assess key feasibility issues and market potential, and present plan to judges, including entrepreneurs, venture capitalists, and other business leaders

Plan to form a new student organization, The Business Research Association with Faculty Advisor, Emmanuel Morales-Camargo. The objectives of this student group are (1) To create awareness and interest among students in business academic scholarship and research, by having Anderson faculty present their active research projects to students and involving those interested students in the creative and research process, perhaps by exploring future GA opportunities with them or independent studies. (2) With the help of a faculty advisor, expert in his/her respective field, have students explore a research topics of their interest with the intention of generating an academic or opinion article that could be published in the popular business press or an academic journal. (3) To expose students to the research demands and expectations of a business professor to help them understand and be better prepared for the challenges of graduate school and doctoral degrees; and (4) To help make students more marketable for graduate school and the workplace, by fostering their writing skills and helping them put together a portfolio of original research/opinion work in the field of their preference.

The FIT Department will be updating all of the department concentrations of Finance, International Management and Technology Management, will hire a full time professor in Entrepreneurship Spring 2008, and will create a center for Indigenous Economic Development and Entrepreneurship.

NEW FACULTY

Emmanuel Morales-Camargo: Assistant Professor (Finance) began Fall 2006
Na Dai: Assistant Professor (Finance) began Fall 2006
Paolo Miranda: one year visiting professor (Finance) contract AY0607
Hsuan-Chi Chen: Assistant Professor was hired in Spring 2007 to begin in Fall 2007.

PUBLICATIONS & PRESENTATIONS

Hsuan-Chi Chen

Chen, H, with Chiuling Lu. September 2006. "How Much Do REITs Pay for Their IPOs?", *Journal of Real Estate Finance and Economics*. Vol. 33 No. 2, 105-125.

Chen, H with Abhyankar, A. and Yu-Ho, K. September/October 2006. "The Long-Run Performance of Initial Public Offerings: Stochastic Dominance Criteria". *Quarterly Review of Economics and Finance*, Vol 46., No. 4. 620-637.

Chen, H. with Fok, R. and Wang, Y. September/October 2006. "Why Do Underwriters Charge Low Underwriting Fees for Initial Public Offerings in Taiwan?", *Journal of Business, Finance and Accounting*, Vol. 33, No 7 & 8, 979-1005.

Na Dai

Dai, N., 2007. "Does Investor Identity Matter? An Empirical Examination of Investments by Venture Capital Funds and Hedge Funds in PIPEs," Journal of Corporate Finance13, 538-563.

Dante Di Gregorio

Provance, M., and Di Gregorio, D. 2007. A buyer discourse perspective on market entry: Co-evolutionary dynamics of opinions and entrepreneurial action. In *Innovation Networks and Knowledge Clusters*, edited by E. Carayannis, Edward Elgar.

Presentations

Di Gregorio, D., Thomas, D., and Gonzalez de Castilla, F. Competitive dynamics between emerging market firms and dominant multinational rivals: Wal-Mart and the Mexican retail industry. Competitive paper presented at the International Conference on
Strategic Management in Latin America, January 2007, Pontificia Universidad Católica, Santiago, Chile.

Thomas, D., Di Gregorio, D., and Gonzalez de Castilla, F. Internationalization of franchises from emerging markets. Competitive paper presented at the International Conference on Strategic Management in Latin America, January 2007, Pontificia Universidad Católica, Santiago, Chile.

Di Gregorio, D., and Smith, K.G. Distinguishing blue oceans from abyss: Market discourse assessments of the appropriateness of entrepreneurial action. Competitive paper presented at the Strategic Management Society meetings, November 2006, Vienna.

Di Gregorio, D., Smith, K., Clark, K., and Collins, C. Human capital, social capital and executive compensation: How does the slice of pie executives appropriate compare to what they bring to the table? Competitive paper presented at the Academy of Management meetings, August 2006, Atlanta.

Teaching Cases

Andrade, O. and Di Gregorio, D. 2006. Transitions in the political and economic environment in Latin America: Implications for international business.

Andrade, O. and Di Gregorio, D. 2006. Currency regime transitions in Latin America: Implications for international business.

Andrade, O. and Di Gregorio, D. 2006. The Central American Free Trade Agreement: Implications for international business.

Sul Kassicieh

Presentation

Sul Kassicieh," The Triple Helix, Economic Development and Energy Technology, " presentation at the 3rd FIAM conference on Energy in Manaus, Brazil, August 2006.

Emmanuel Morales-Comargo
Financial Management Association, Annual Meeting (2006) "Short And Long Run Performance Of Ipos In Post-Apartheid South Africa" By Kasim L. Alli (Clark Atlanta University), Vijaya Subrahmanyam (Mercer University), and Kimberly C Gleason (Florida Atlantic University)

John Schatzberg
Presentation
"Inventory Levels and Firm Performance in the Retail Sector," (with Mary Margaret Weber). Presented at 2006 DSI Meetings, San Antonio, Texas.

Doug Thomas
Thomas, Douglas E. & Grosse, Robert. 2007. Explaining imports and exports: A focus on non-maquiladora Mexican firms. Multinational Business Review. 13(3)

Gautam Vora
Grant, D., and Vora, G. (2006). "Extending the Universality of the Heath-Jarrow-Morton Model." *Review of Financial Economics.* Vol. 15, No.2, pp. 129--157.

Steve Walsh
A.J.24. Walsh, S., Scott, M. et all (2006),"Commercial importance of a unit cell: nanolithographic patenting trends for Microsystems, microfabrication, and Microsystems", V.1, N.pp011014 (1-6) Journal of Microlithography, Microfabrication, and Microsystems (JM3)

A.J.I.5. Walsh, S. Eijkel, K et all, (2006), "The Technological and Commercial Promise of Nanopatterning, Vol. 1, pp011001 (1-6), Journal of Microlithography, Microfabrication, and Microsystems (JM3)

Adham, Walsh et al (2006 ICSB), INNOVATION AND ENTREPRENEURSHIP IN MALAYSIAN MOBILE PHONE APPLICATIONS INDUSTRY: IMPLICATIONS FOR TECHNOLOGY INTELLIGENCE, (Journal of Technology Intelligence and Planning (IJTIP).

Book chapters
Kees Eijkel, Eric Knol, S., Walsh, (2006), "Converging Technologies: Architectural Innovation in Perspective", pp. 244- 265, STT Netherlands, Study Centre for Technology Trends

Newbert, S., Walsh, S., Kirchhoff, B., & Chavez, V. (2006)," Technology-Driven Entrepreneurship: Muddling through and Succeeding with the Second Product", pp. 291-312 vol. 3chapter 13, in Entrepreneurship: The Engine of Growth, Praeger Perspectives, NY, NY

Presentations
Walsh, S., Keynote Invited Speaker (2006), Wake Forest/ Greensborough "Regional Commercialization Opportunities for Small Tech" North Carolina, October, 2006

Walsh, S., Keynote Speaker (2006), Puebla, Mexico, Emerging markets embracing emerging technologies for wealth creation and Job development" Mexico's annual Ibero American Conference on Microsystems, September 2006,

Walsh, S., Keynote Speaker (2006), Micro Nano Breakthrough Conference, Vancouver, WA, " How can North American companies embrace emerging markets with emerging technologies", July 2006

Walsh, S., Keynote Speaker at TIFAC, Delhi, India, (2006), what can technology policy in India due to promote job creation based on emerging technologies.

OUTSIDE PROFESSIONAL ACTIVITIES

Na Dai
2006 Financial Management Association (FMA) Annual Meeting, Session Chair, Discussant

Dante Di Gregorio
Academy of Management, Business Policy and Strategy (BPS), International Management (IM), and Entrepreneurship Divisions

Reviewer, National Science Foundation, Research on Science & Technology program

Reviewer, Academy of Management Journal, Research Policy, Management Science, American Economic Review, Academy of Management Review, Journal of Management Studies, Journal of International Business Studies, Technovation, Journal of Technology Transfer

Reviewer, Academy of Management Meetings, BPS, IB, and Entrepreneurship Divisions

Session Chair, Academy of Management meetings

Raul Gouvea
Co-Chair. "Sustainable/ Renewable Sources of Energy for the Brazilian Amazon Region. Manaus, August 30th-September 2, 2006.

Established in 2006 (with Professor Sul Kassicieh) Exchange Agreement between Fucapi, Manaus, and Anderson School of Management.

Emmanuel Morales-Camargo
Participant in the 2007 Faculty Development In International Business program (FDIB) in China.

Collaboration with the University of Arizona's Take Charge America Institute For Consumer Financial Education and Research for the 2007 Annual Duel in the Desert competition. I wrote the case study used in the national competition.

Academic journals referee
El Trimester Economico (*Quarterly Finance and Economics Journal - Mexico*)

Steve Walsh
Board of Directors for IAMOT
Board of Directors for MANCEF
Albert Franklin Black Professor of Entrepreneurship
Area Editor for JM3
Area Editor for Technovation
Board of Reviewers: IEEE, TFSC, JIET,

SPONSORED RESEARCH

Dante Di Gregorio
Principal Investigator, FIPSE North American Mobility in Higher Education grant, US Department of Education, 2007-2011, $101,385

Co-Project Director, Business and International Education grant, Title VI-B, US Department of Education, 2006-2008, $195,500

Principal Investigator, Comparing Title Insurance Costs for Consumers in New Mexico with Neighboring States, for the New Mexico Public Regulatory Commission, 2007, $19,800

Sul Kassicieh
S. Kassicieh and S. Walsh, "Small High-Tech Business Assistance: Technology Assessments and Business Planning," grant awarded for $170,000 from Sandia National Laboratories, 2007.

S. Kassicieh and S. Walsh, "Small High-Tech Business Assistance: Technology Assessments and Business Planning," grant awarded for $85,000 from Sandia National Laboratories, 2006.

Doug Thomas
Co-Project Director, Business and International Education grant, Title VI-B, US Department of Education, 2006-2008, $195,500

Steve Walsh
Sandia New Mexico Small Business Assistance Programs approximately $42,500
Steve Walsh (PI) and Sul Kassicieh (Co-PI)

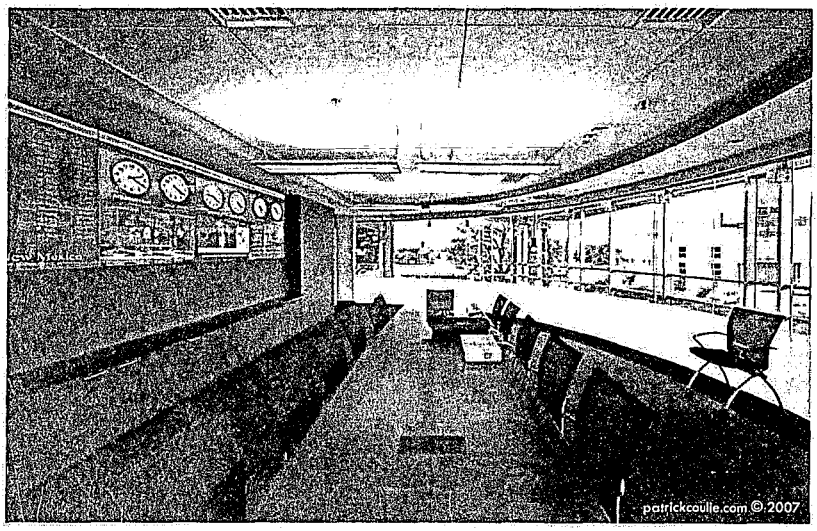
New Mexico State Hydrogen Project Report
$15,000 - Steve Walsh (PI) with Craig White (Co-PI).

McCune Grant
$50,000 - Steve Walsh (Co-PI) with Craig White (Co-PI).
Co- PI's Steve Walsh and Craig White working with the McCune foundation in an effort to generate an economic development impact by improving efforts with STC.

Sandia New Mexico Small Business Assistance Programs approximately $60,000 (total grant $120,000) Steve Walsh (PI) and Sul Kassicieh (Co-PI)

New Mexico Water Project
$25,000 - PI Craig White, Co- PI Steve Walsh, Dante DiGregorio, Doug Thomas, Sul Kassicieh,

Anderson Economic Development Research Grant
$10,000 (summer 2006) - Nanotechnology Commercialization



Anderson Financial Services Center

Department of Marketing, Information Systems, and Decision Sciences
July 1, 2006 – June 30, 2007

Goals and Plans

The mission of the Department of Marketing, Information, and Decision Sciences is 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.

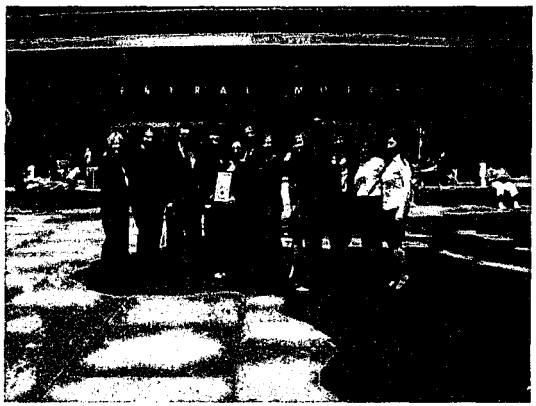
The MIDS faculty strive for a balance between teaching and research efforts in meeting the needs of employers and taxpayers for well-trained graduates capable of making an immediate organizational contribution, advancing academic theory and practice in our respective disciplines, and providing direct or indirect professional assistance to private and public organizations in the State of NM.

The MIDS Department will be instrumental in Anderson's general economic development efforts as well as more focused rural and local technological development initiatives. The MIDS department has been a leader in the implementation of the wireless classroom, Web CT instruction, immediate response systems for the classroom, and rigorous research in these areas of pedagogy.

The immediate focus of the MIDS Strategic Plan is to improve the quality of our educational offerings, meet main campus student demand and distance education. MIDS seeks to increase research productivity without significant additional resources. The Production and Operations Management (POM) and Marketing Concentrations are integrated into a dual major allowing for increased efficiency by sharing faculty and courses. The MIS faculty is working closely with the accounting faculty to develop courses in Information Assurance for accounting majors.

The following sections highlight accomplishments of MIDS faculty during the 2006-2007 academic year.

Cadillac Competition Participants 2007



Faculty Publications and Presentations

Albaum Gerald

"Management of Marketing Research Projects: Does Delivery Method Matter Anymore in Survey Research?" *Journal of Marketing Theory and Practice*, Spring, 2007 (with K. Baker, G. Hozier, R. Rogers, and C. Roster).

"Basic Data Analysis," in R. Grover and M. Vriens (eds), *Handbook of Marketing Research*, Thousand Oaks, CA: Sage Publications, 2006 (with S. Smith).

"Online and Traditional Modes of Survey Data Collection: Response Rate and Data Quality Considerations," Fifth International Business and Economy Conference, Honolulu, Hawaii, 2006 (with C. A. Roster, R. D. Rogers, G.C. Hozier, Jr., and K G. Baker).

"Can Cross-National/Cultural Studies Presume Etic Equivalency in Respondents' Use of Extreme Categories of Likert Rating Scales?," *International Journal of Market Research*, Vol. 48, No. 6, 2006 (with C. Roster and R. Rogers).

"Ethical Attitudes of Future Business Leaders: Do They Vary by Gender and Religiosity," *Business & Society*, September, 2006 (with R. A. Peterson).

"Ethicality of Future Business leaders: Nationality and Gender Differences," Proceedings of Sixth International Business and Economy Conference, San Francisco, CA, 2007 (with R. Peterson, D. Merunka, and J.L. Munuera).

Baker, Kenneth

"Management of Marketing Research Projects: Does Delivery Method Matter Anymore in Survey Research?" *Journal of Marketing Theory and Practice*, Spring, 2007 (with G. Albaum, G. Hozier, R. Rogers, and C. Roster).

"Online and Traditional Modes of Survey Data Collection: Response Rate and Data Quality Considerations," Fifth International Business and Economy Conference, Honolulu, Hawaii, 2006 (with C. A. Roster, R. D. Rogers, G.C. Hozier, Jr., and G. Albaum).

Bose. Ranjit

"Understanding Management Data Systems for Enterprise Performance Management," *Industrial Management & Data Systems*, Vol. 106, No. 1, 2006, 43-59.

"Challenges for Deploying Web Services-Based E-Business Systems in SMEs," (with V. Sugumaran), *International Journal of E-Business Research*, Vol. 2, No. 1, 2006, 1-18.

"Semantic Web Technologies for Enhancing Intelligent DSS Environments," (with V. Sugumaran), In U. Kulkarni, D.J. Power, and R. Sharda (eds.) *Decision Support for Global Enterprises*, Annals of Information Systems, Springer, Vol. 2, 2007, 221-238.

"Semantic Web Technologies for Enhancing Intelligent DSS Environments," 9th International Conference on Decision Support Systems (ICDSS), Association for Information Systems -- SIGDSS, January 2-4, 2007, Kolkata, India.

Burd, Stephen D.

Books

"Systems Analysis and Design in a Changing World," fourth edition, 2006, Course Technology, (with Satzinger, John W. and Jackson, Robert).

"Systems Architecture," fifth edition, 2006, Course Technology.

Proceedings

"Migration From Traditional To Web-Based Instruction For Information Assurance Courses ", Proceedings of the 2007 Sixth IASTED International Conference on Web-Based Education, Chamoix, France, March 14-16, 2007, (with Bullers, William I. and Alessandro F. Seazzu).

Dean, Dwane

Proceedings

"The Aptitudes of Consumers and Motivation to Consume: A New Theory and Exploration," at the 2006 AMA Summer Educators' Conference, Chicago, IL; published as long abstract, Vol. 17, 290-291.

Ferrell, Linda

"Torch Awards for Marketplace Ethics: Providing Students with 'Hands On' Experience With Marketing Ethics," (2006) Marketing Education Review, Vol. 16, Spring, pp. 47-51 (Co-Author: Mark Buchanan).

Chapter on "Developing a Framework for a College of Business: Business Ethics Initiative," *Advancing Business Ethics Education in the 21st Century*, Series: Ethics in Practice. Editor: Diane Swanson, Release date: 2007. (Co-Author: O.C. Ferrell).

Sage Encyclopedia of Business Ethics-3 entries: Global Crossing, Firestone Tire Company, and Consumer Fraud. Editor: Bob Kolb, Release date: 2007. (Co-Author: O.C. Ferrell).

Ferrell, OC

Books

Managing Risks for Corporate Integrity, 2006, (Mason, Ohio, Thomson Higher Education). Co-authors: Lynn Brewer and Robert Chandler.

Foundations of Marketing, (Boston: Houghton Mifflin Company, 2007), Co-author: William Pride.

Marketing Concepts and Strategies, Fourth European Edition, (Boston/London: Houghton Mifflin Company, 2007). Co-authors: Sally Dibb, Lyndon Simkin, and William Pride.

Flor, Nick

Globally distributed software development and pair programming, (2006) *Communications of the ACM*, 49, 57-58.

Addressing the problem of content restrictions in online community forums, (2006) *Journal of Information Technology Cases Applications and Research*, 8, 7-33.

Schema blending and stable structure in online social systems, (2006) *International Journal of Web-Based Communities*, 2, 143-159. (with Coulson, S. & Maglio, P.).

Roster, Catherine

Emerald Literati Network 2007 Outstanding Paper Award for her paper

"Making the Transition to Retirement: Appraisals, Post-Transition Lifestyle, and Changes in Consumption Patterns," *Journal of Consumer Marketing*, (2006) Vol. 23 (2), 87-99, (with Hopkins, Christopher D., and Charles M. Wood).

"Management of Marketing Research Projects: Does Delivery Method Matter Anymore in Survey Research?," *Journal of Marketing Theory and Practice*, (2007) Vol. 15(2), 127-144, (with Robert D. Rogers, George C. Hozier, Jr., Kenneth G. Baker, and Gerald Albaum).

"Girl Power" and Participation in Macho Recreation: The Case of Female Harley Riders," (2007) *Leisure Sciences*, Vol. 29(5), 1-19.

"Simple Rating Scale Formats: Exploring Extreme Response," *International Journal of Market Research*, (2007) Vol. 49(5), 1-17, (with Albaum, Gerald, Julie H. Yu, and Robert D. Rogers).

"Can Cross-National/Cultural Studies Presume Etic Equivalency in Respondents' Use of Extreme Categories of Likert Rating Scales?," *International Journal of Market Research*, (2006) Vol. 48 (6), 741-759, (with Gerald Albaum, and Robert D. Rogers).

"Moments of Truth in Gift Exchanges: A Critical Incident Analysis of Communication Indicators Used to Detect Gift Failure," *Psychology & Marketing*, (2006) Vol. 23 (11), 885-903.

Schatzberg Laurie

"Incorporating Reusability Concepts into Systems Analysis & Design Course Coverage: Why & How," with Amy Schum; *Journal of Informatics and Education Research*, Vol. 8:1, 2006, pp. 1-24.

Seazzu, Alessandro

Proceedings & Presentation

"Migration From Traditional To Web-Based Instruction For Information Assurance Courses," Proceedings of the 2007 Sixth IASTED International Conference on Web-Based Education, Chamonix, France, March 14-16, 2007.

Yourstone, Steven

"Learning – the means to improve health-care outcomes", 2007 with D. Waldman. *Health Services Management Research*. Royal Society of Medicine Press, pp 06-35.

External Service Activities

Bose, Ranjit

- Editorial review board of Journal of Computer Information Systems, and Journal of International Information Management.

Burd, Stephen

- Secretary of the New Mexico Telehealth Alliance
- Member, Four Corners Telehealth Consortium
- Member, NM Regional Health Information Organization Planning Group

Ferrell, Linda

- Invited speaker through the Bill Daniels Business Ethics and AACSB International.
- Society for Marketing Advances Annual Conference.

Ferrell, O.C.

- Invited speaker to a number of research universities and conferences.
- Developed a proposal for funding a business ethics project with the Daniels Funds in Denver, Colorado.

Flor, Nick

- Reviewer for the Journal of Digital Forensics Security and Law, Information Systems Research, Information Resources Management Associate Conference, Cognitive Science Conference
- Selected as an Editor for the Journal of Digital Forensics, Security and Law

Harris, David

- Rio Grande Water Quality Standards Working Group-technology and project management support.

Kraye, Howard

- Presentations to quality management and entrepreneurship to groups such as the Naval Reserve Detachment in Albuquerque and Los Alamos National Laboratories.
- I have worked on business plans for New Mexican companies seeking venture capital funding through Lockheed Martin's Technology Ventures Corporation; and participated at as team leader in the Quality New Mexico Award Program.
- Worked with Quality New Mexico on approach for 2006 evaluations.

Rogers Mary Margaret

- APICS board member.
- Reviewer for *Industrial Marketing Management.* Member of review board.
- Presentation of professional development program to APICS.

Roster, Catherine

- Volunteer work for the PNM Foundation.
- Partnered with Professor Benavidez on national students projects for the U.S. Department of State and the Cadillac student competition, both undergraduate and graduate team Anderson entries.

Schatzberg, Laurie

- Registration Chair & Treasurer, SIGMIS CPR Conference.
- Vice President, ACM SIGMIS.
- Board Member, Juvenile Diabetes Research Foundation, Desert Southwest.
- Mediator, Albuquerque Metro Court.

Yourstone, Steven

- Track Chair for the Decision Sciences Institute—Service Operations Management track 2006 and 2007

Alessandro Seazzu, Stephen Burd, Christopher Conway and Professor Emeritus William Bullers

- National Center of Academic Excellence in Information Assurance Education

The effort, led by The Anderson School of Management, made The University of New Mexico one of 12 new institutions designated as a National Center of Academic Excellence in Information Assurance Education (CAEIAE) by the National Security Agency and the Department of Homeland Security. Only three business schools in the nation are involved with this program, UNM being a unique selection with a crossover between the technology and management.

The CAEIAE program is designed and intended to reduce vulnerabilities in the national information infrastructure by promoting higher education in information assurance and producing a growing number of professionals with information assurance expertise in various disciplines.

Promotions, Sabbaticals, Separations, Awards

Roster, Catherine

Emerald Literati Network 2007 Outstanding Paper Award for her paper
"Making the Transition to Retirement: Appraisals, Post-Transition Lifestyle, and Changes in Consumption Patterns," *Journal of Consumer Marketing*, (2006) Vol. 23 (2), 87-99, (with Hopkins, Christopher D., and Charles M. Wood).

Dr. Jack Su, separated

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UNM SCHOOL *of* PUBLIC ADMINISTRATION

ANNUAL REPORT

July 1, 2006 – June 30, 2007

F. Lee Brown
Interim Director

THE ANNUAL REPORT OF
THE SCHOOL OF PUBLIC ADMINISTRATION
July 1, 2006 – June 30, 2007

Submitted by Angela Kamman – Administrative Officer

Interim Director	F. Lee Brown
Full-time Faculty	Santa Falcone Constantine Hadjilambrinos T. Zane Reeves – Retired March 2007 Mario Rivera Roli Varma
Leave of Absence	Bruce Perlman – July 2006 - June 2007

1. **Significant Developments During the 2006-07 Academic Year**
   - ❖ Bruce Perlman, is still Chief Administrative Officer position with the City of Albuquerque is currently on Leave of Absence.
   - ❖ Cancellation of the Accelerated Master of Public Administration (AMPA) option for students.
2. **Significant Plans and Recommendations for the Near Future**
   - ❖ National Search for SPA Director.
   - ❖ Continued development of SPA goals, objectives, and organizational growth proposal consonant with decision of Office of the Provost on reporting arrangements.
   - ❖ Continued examination of SPA goals and direction.
3. **Appointments, Promotions, Seperations**
   - ❖ Associate Professor, Constantine Hadjilambrinos, tenure paperwork completed and approved for promotion to Associate Professor.
   - ❖ Professor, Roli Varma, promotion paperwork completed and approved for promotion to Full Professor.
4. **Publications, Outside Professional Activities, Outside Sponsored Research, Student Info**

PUBLICATIONS

Dr. Santa Falcone:

* S. Falcone and M. Williams. *Bilingual Mediation* (2007) American, British, and Canadian Studies.

Dr. Constantine Hadjilambrinos:

Articles:
* Hadjilambrinos, C. "The High-Level Radioactive Waste Policy Dilemma: Prospects for a Realistic Management Policy" *Journal of Technology Studies*, Vol. 32, No. 2, pp. 95-104.

* Hadjilambrinos, C. "The Politics of Values in Federal Science and Technology Policy—The Case of the G. W. Bush Administration" *STS Today*, Vol. 18, No. 1, pp. 2-8.

* Hadjilambrinos, C. and Rockwell, E. (Forthcoming) "Implementation of Public-Private Partnership Initiatives for Transportation Demand Management: Eight Case Studies from South Florida" *Transportation Journal.*

Articles Under Review:
* Hadjilambrinos, C. (Under review) "From ECSC to European Union: A Historical-Institutional Analysis of Policymaking" *Journal of European Studies.* Submitted April 2007.

* Hadjilambrinos, C. (Under review) "Energy Efficiency in the U.S. Residential Sector: A Survey of Homebuyer Preferences" *Bulletin of Science, Technology and Society.* Submitted June 2007.

Books in Progress:
* Translation from the Greek (with Diane Thiel, English Department, UNM) of *American Fugue* by Alexis Stamatis. Translation of first three chapters.

Convention Papers Delivered:
* National Network for Educational Renewal Conference, Albuquerque, NM, Feb. 16, 2007, SUB, University of New Mexico. C. Hadjilambrinos, "Promoting Active Citizenship—Letter-writing as a simple strategy for moving beyond the classroom to link research with political action."

Dr. Mario Rivera:

Articles:
* With Richard G. Johnson III, coauthor, "Refocusing Graduate Public Affairs Education: A Need for Diversity Competencies in Human Resource Management," *Journal of Public Affairs Education* 13 (1), 2007.

* With Bruce Perlman, coauthor, "Planeación e Integración Estratégica: Extensión Conceptual y Teórica de un Modelo Aplicado," Estado, Gobierno, Gestión Pública, December 2006. Part two of an earlier article coauthored with Perlman, "Un Nuevo Modelo para la Formulación de Estrategias en la Planificación," Carta Económica Regional 14 (78), 2001.

* With Ferrel Heady, coauthor, "Comparative Program-Performance Evaluation and Government Accountability in New Mexico—Some Applied Lessons for Intergovernmental Relations," *Journal of Public Affairs Education* 12 (4), Fall 2006.

* With Una E. Medina, Everett M. Rogers, W. Gill Woodall, and David B. Buller, coauthors, "Internet Access and Innovation-Diffusion in a National Cancer Institute Preventive Health Education Project: Telecenters, Cybercafes, and Sociodemographic Impacts on Knowledge Gaps," *Journal of Public Affairs Education* 12 (2), Spring 2006.

* With Everett M. Rogers, "Innovation Diffusion, Network Features, and Cultural Communication Variables," *Problems and Perspectives in Management* 3 (2), Spring 2006.

Articles In Progress:
* "Agent-based Systems Modeling in Public Administration Research," with Una Medina, coauthor, for *Problems and Perspectives in Management*; in final stages of preparation, for submission by December 15, 2007.

* "Environmental Sense-making and Incentivization," with Una Medina, coauthor, for the *Innovation Journal*; invited article, submission December 1st, 2007.

Books In Progress:
* *Public Administration: A Comparative Perspective*, 7th Edition, Taylor & Francis, coauthors Marc Holzer and Ferrel Heady. Approximately half finished, publisher-invited new edition; posthumous for Dr. Heady, original author of first six editions, contract stipulation that new edition carry over about 40 percent material from 6th edition, written by Dr. Heady.

* With co-author Ted Vecchio, *Applied Strategic Performance Management* (Minneapolis: P_4 Management Solutions, 2003, 2004). Online training text (215 pages) being readied for submission to Sage Publications as a prospective text.

Book Chapters Published or Accepted:
* In print: With Ferrel Heady and Bruce Perlman, coauthors, "Issues in Comparative and International Administration," Jack Rabin et al., eds., *Handbook of Public Administration* (New York: Marcel Dekker, 2006).

* Accepted: "Institutional Racism, Networks, and Public Affairs Faculty Hiring" (tentative title), with James Ward, accepted, for Mitchell Rice (editor) book on *Race and the Faculty Pipeline*, Westview (tentative).
other publication activities.

* "Traveling with Ferrel Heady: A Personal Reminiscence," *PA Times*, Vol. 4, No. 9, p. 24. Sole-authored, full-length feature in memoriam to Heady.

* Editor, *Journal of Public Affairs Education*, National Association of Schools of Public Affairs and Administration. Responsible since May 2005 for the publication of five issues, with editor's introductions; appointed Editor-in-Chief by NASPAA's Executive Council 3/24/07.
Other presentations of research (practitioner contract research)

* With Frank Reinow, coauthor, "Southern Colorado/New Mexico NARCH Evaluation Report—Year One: An Evaluation of Five Research and Demonstration Projects to Develop Native Health Researchers and Reduce Health Disparities in Tribal Communities," January 4, 2007. First-year program evaluation—for the sponsoring Albuquerque Area Indian Health (AAIHB), grantor National Institutes of Health (NIH), and contractor Indian Health Service (HIS)—of the Native American Research Centers for Health program of the AAIHB, NIH, HIS and University of New Mexico Health Sciences Center. First of four annual reports.

* "Evaluation of the Employee Equity Program," Sole-authored evaluation of the City of Albuquerque Equal Employment Opportunity Office, three phased reports to May 2007.

Dr. Roli Varma:

Articles Published or Accepted:
* Roli Varma and Marcella LaFever (2007), "Importance of Gender Homophily in Computer Science Classroom" IEEE Technology and Society Magazine, 26(2), 43–47.

* Roli Varma (2007), "Decoding the Female Exodus from Computing Education" Information, Communication and Society, 10(2), 181–193.

* Roli Varma and Heiko Hahn (2007). "Gender Differences in Students' Experiences in Computing Education in the United States" International Journal of Engineering Education, 23(2), 361–367.

Books Published or Accepted:
* Roli Varma (2007, reprint in paperback), Harbingers of Global Change: India's Techno-Immigrants in the United States Maryland: Lexington Books, 1–212.

Book Chapters Published or Accepted:
* Roli Varma, Amit Prasad and Deepak Kapur (2006), "Confronting 'Socialization' Barrier: Cross-Ethnic Differences in Undergraduate Women's Preference for IT Education" in J. McGrath Cohoon and William Aspray (eds.) Women and Information Technology: Research on Underrepresentation (pp. 301–323) Cambridge: MIT Press.

* Roli Varma and Vanessa Galindo-Sanchez (2006), "Native American Women in Computing" in Eileen M. Trauth (ed.) Encyclopedia of Gender and Information Technology (pp. 914—919) Hershey, PA: Idea Group Publishing.

* Roli Varma and Marcella LaFever (2006), "Motivating Women to Computer Science Education" in Eileen M. Trauth (ed.) Encyclopedia of Gender and Information Technology (pp. 900—906) Hershey, PA: Idea Group Publishing.

Other Publication Activities:
* Roli Varma (2006), "Making Computer Science Minority Friendly" CSTA Voice, 2(3), 4.

Convention Papers Delivered:
* "The Leaky Pipeline in Computing" Annual Conference of International Association for Science, Technology and Society (IASTS), Baltimore, Maryland, February 1–3, 2007.

* "The Tenure System in Engineering" Annual Meeting of Society for Social Studies of Science (4S), Vancouver, Canada, November 2–4, 2006.

Other Presentations of Research:
* "The Silicon Ceiling" Jawaharlal Nehru University, New Delhi, India, August 30, 2006, *Invited by Prof. V. V. Krishna, Jawaharlal Nehru University.*

OUTSIDE PROFESSIONAL ACTIVITIES

Dr. Santa Falcone:

- 2007 Compiled numerous requested confidential reports of large volume for Academic Freedom and Tenure Committee, Board of Regents requested AF&T hearing, EthicsCommittee, and Board of Regents sub-committee hearing. Results of all Committee and Board of Regents deliberations found in my favor in the Fall 2007 semester.
- Assisted pediatric gastroenterologist specialist to travel to another country to provide medical care to a desperately needy child from another nation.
- Conduct Public Budgeting Workshop for state agency with professor from another university.

Dr. Constantine Hadjilambrinos:

- "Climate Change in a Changing World" Workshop, part of Multi-disciplinary Workshop Series for Teachers on Climate Change, Jan. 20, 2007. Sponsored by UNM College of Arts and Sciences Teachers' Institute and the Science Education Institute of the South West.
- Wrote U.S. Graduate Institution Host Application, Edmund S. Muskie Graduate Fellowship Program.

- Board member, International Association for Science, Technology and Society.
- Governor's Task Force on Distributed Solar Power, New Mexico.
- Governor's Task Force on Concentrated Solar Power, New Mexico.

Dr. Mario Rivera:

- Lead in activities related to maintaining NASPAA (National Association of Schools of Public Affairs and Administration) accreditation and securing reaccreditation.
- *Consulting Analyst*, Legislative Finance Committee, New Mexico State Legislature
- *Member*, Workforce Development Committee, the New Mexico Information Technology and Software Association (since 2001).
- *Appointee* to the Executive Council (2005-2008), with lead/liaison role for the Council in the NASPAA Standards Steering Committee (responsible for a three-year revision of accreditation standards for the National Association of Schools of Public Affairs and Administration, Washington, D.C.
- *Appointee* to the NASPAA Standards Steering Committee (since 2006). Founding member, Steering Committee of NASPA'S Inter-American Network for Public Administration Education (INPAE, begun in 1997)).
- *Appointee*, to the Editorship of the *Journal of Public Affairs Education* (the NASPAA flagship journal), May 2005, and to the position of Editor-in-Chief, March 2007. Member, Editorial Boards, and manuscript reviewer, *Scientific Journals International, Policy and Management Review, PA Times,* and *Problems and Perspectives in Management*; symposia issues editor for the *International Journal of Public Administration* and the *International Journal of Economic Development* (since 2000).
- Minority student mentor through the University Research Opportunity Program and Peer Mentoring for Graduates of Color association (PMGC, since 1993). Faculty of Color Award for Mentoring, 2007, by the PMGC and UNM's Office of Graduate Studies Special Initiatives program. Mentor for minority, at-risk high school students through the Retail Opportunities for Young Adults program (2001-2006).

Dr. Roli Varma:

- Chair/Advisor: Cary Weiner, Achieving Community Goals: Budgeting in the City of Albuquerque **(Best Pro Paper).** Spring 2007.
- Amy Stout, *The Dismas House: A Santa Fe Controversy.* Fall 2006.
- Tamijo Montoya, *Help Desk in Higher Education.* Fall 2006.
- Chad A Brinkman, *B.A./M.D. Degree for Incoming Freshman: A Case Study at the University of New Mexico.* Summer 2006.
- Sulayman G. Konte, *Criminological Theories Versus Judicial Application.* Summer 2006.
- Jeannett Montes, *Computer Technology Restructuring for Behavioral Health Care Management in New Mexico.* Summer 2006.
- Melissa A. Schaum, *Self-Mutilation and Depression among College Students.* Summer 2006.
- Professional Association Service:
  Offices Held:
  - Elected Council Member, *Society for Social Studies of Science* (4S), 2005–2007.
  - Elected Board Member, International Association of Science, Technology, and Society (IASTS), 2005–2008.
- Committee Service
  - Conference Program Chair, International Association of Science, Technology, and Society (IASTS), 2007.
  - Conference Program Committee Member, *Society for Social Studies of Science* (4S), 2007.
  - Committee Member, Rachel Carson Prize for the Best Book in Science and Technology Studies, *Society for Social Studies of Science* (4S), 2006.
- Other service

- Reviewers: (1) 1 research proposal for Research Grants Council of Hong Kong (awarded $125); (2) 1 research proposal for National Science Foundation; (3) 1 book chapter for Michigan State University (awarded $300); (4) 3 papers for *Bulletin of Science, Technology, and Society;* (5) 1 paper for *Journal of Women and Minorities in Science and Engineering;* (6) 1 paper for *IEEE Technology and Society;* (7) 1 paper for *Perspectives on Global Development and Technology;* (8) 1 paper for *Science as Culture*

- Moderators: (1) "Science and Education" *Annual Conference of International Association for Science, Technology and Society*, Baltimore, Maryland, February 1–3, 2007; (2) "Policy: Health and Energy" *Society for Social Studies of Science,* Vancouver, Canada, November 1–5, 2006; (3) "Universities, Grants and Research" *Society for Social Studies of Science,* Vancouver, Canada, November 1–5, 2006; (4) "STS Careers Inside and Outside of Academia" *Society for Social Studies of Science*, Vancouver, Canada, November 2, 2006

OTHER PROFESSIONAL ACTIVITIES

Dr. Santa Falcone:

- Doctoral Exam Committee: Mark Joseph Smith, College of Education Fall 2007 semester
- Propapers: Spring - 22, Summer 20, Fall -23 as Chair
- Faculty Advisor UNM Student Organization: Navigators
- Chair SPA Curriculum Committee
- Chair, UNM Faulty Senate Curriculum Committee
- 2007 - SPA Faculty Senate representative
- NASPAA site visitor

Dr. Constantine Hadjilambrinos:

- Chair/Advisor: Ivan Lopez (Thesis), Georgette Reeves, Kim Sullivan, Anthony Edwards (Water Resources Program)
- Propapers: Reader for Joe Garcia and Rosalina Trujillo
- Worked with three students from my Pub Ad 590—Natural Resources Policy and Administration course to help them prepare papers for presentation at the International Association for Science, Technology and Society Conference in Baltimore MD.
- Worked with one student, Andrew Funk, to help him prepare his paper for submission (and, ultimately, publication) in the Bulletin of Science, Technology and Society.
- SPA Representative, Faculty Senate
- SPA Director Search Committee member

Dr. Mario Rivera:

- Chair/Advisor: Twelve Propapers, AY 2006-07
- Reader: Six Propapers, AY 2006-07
- **SPA Admissions Committee**, member, 2006-2007
- Active in SPA efforts concerning Latin American program development and recruitment, as well as international admissions and advising for Latin American students (1995-2005)
- **Active member**, Provost's International Relations Task Force (Spring 2004 to the present). From 1994 to the present, member of the University of New Mexico Latin American Programs in Education (LAPE), Faculty Concilium for Latin American Studies, and Council on the Americas, including the initiatives known as the University of the Americas and the Hemispheric Major.
- **Founding member,** University Policy Consortium.

Dr. Roli Varma:

- Special work with graduate students on conference papers, articles for publication
- Published two refereed papers, one with Marcella LaFever, then a graduate student, and other with Vanessa Galindo-Sanchez, then an undergraduate student.
- Summer financial support for 4 graduate students: (1) Ying Wang from Sociology; (2) Jessica Crespo from Communication and Journalism; (3) Xiangjin Shen from Statistics; (4) Valeries Santillanes from English.

OUTSIDE SPONSORED RESEARCH

The School of Public Administration received the following grants to fund faculty and graduate research during this academic year. Total of $89,466.00

National Science Foundation
"Cross-National Differences in Women's Participation in Computer Science Education in India and the United States" Research on Gender in Science and Engineering Program
Varma, R..
$55,766.00
January 1, 2007 – December 31, 2007
Grant # 0650410

National Science Foundation
"Cross-National Differences in Women's Participation in Computer Science Education in India and the United States" Research Experiences for Undergraduates Program
Varma, R.
$6,000.00
January 1, 2007 – December 31, 2007
Grant # 0650410

SAS Corporation
Mini-Grant to Obtain Software
Falcone, S.
$2,700.00
January 2007 – June 2007
6 Months of Funding

Center of Science, Technology and Policy
Interdisciplinary Course Development Grant
Hadjilambrinos, C.
$5,000.00
With Dr. Andrea Mammoli, Mechanical Engineering

National Endowment for the Arts (NEA)
For the translation from the Greek and publication of the book *American Fugue* by Alexis Stamatis
Hadjilambrinos, C.
$20,000.00
With Diane Thiel (English Department, UNM), and Etruscan Press
Book Publication, Spring/Summer 2008.
February 2007 – January 2008

STUDENT INFORMATION

Master of Public Administration Degree Conferred
2006-2007 Academic Year:

SPRING 2007

Alejandro Briseno Torres	Janis Powell
Veronica Esparza	Terran L. Robertson
Phillip Chad Lee	Theresa Storey
Erik Litzenberg	Diana Y. Tiefa
Alicia Mirabal Manzano	Cary S. Weiner
Kenedi Tee Pollard	

FALL 2006

Steven Campbell	Maria Stein
Gilbert T. Candelaria	Edward D. Stoner, Jr.
Christine DeLarbre	Amy Stout
Joe Miera	Arthur Trujillo
Juan Montes	Chang Hsin Tsai
Tamijo Montoya	

SUMMER 2006

Chad Brinkman	Thanh Nguyen
Rebekah Green	Melissa Schaum
Sulayman Konte	Kelly Sims
Pamela Lujan	Maximo Valdez
Jeanett Montes	

PI ALPHA ALPHA Inductees
2006-2007 Academic Year

William R. Bloom	Byron Piatt
Anne Debuyserie	Kenedi Tee Pollard
Adam Hathaway	Terran L. Robertson
Gene V. Henley	Kimberly A. Sullivan
Wayne J. Mannion	Diana Y. Tiefa
Andrea M. Martinez	Henry E. Trujillo
Beth A. Mohr	Cary S. Weiner

Ferrel Heady Award for Outstanding Professional Paper
2006 – 2007 Academic Year
Carey Weiner
"Achieving Community Goals: Budgeting in the City of Albuquerque"

School of Architecture and Planning
Architecture Program
Annual Report: July 1, 2006 – June 30, 2007
Submitted by: Geraldine Forbes Isais, Director

Following is a summary documenting key developments and events in the *Architecture Program* from July 1, 2006 – June 30, 2007. The report addresses initiatives, faculty, research, professional activities, administrative and staff changes, and student life.

INITIATIVES

- The Summer student travel program whose home base is located in Vico Marcote, Switzerland, was once again successfully led by Adjunct Assistant Professor Garrett Smith AIA. He was joined by Associate Professor Gabriella Gutierrez and guest critic Steve Borbas AIA. Fifteen students enrolled in this summer travel experience earned both design studio credit and architectural history credit.
- The Architecture Program supported numerous both national and international faculty-directed student study tours. Students traveled to Japan, New York, San Francisco, Los Angeles as well as locally within New Mexico.
- The Architecture Program instituted a Freshman Early Admissions Program, re-wrote its mission statement and initiated a curriculum re-design process that is still on-going.

FACULTY CHANGES

- Associate Professor Eleni Bastea was promoted to the rank of Professor.
- Visiting Assistant Professor Kima Wakefield received a one-year appointment to fill the gap left by Prof. Andrew Pressman's retirement.
- A national search resulted in the hire of Assistant Professor Dana Gulling, who began her position at UNM Fall semester, 2007.

STAFF CHANGE

- There were no staff changes in 2006-07.

CRITICS and GUEST LECTURERS

Krystine Graziano-Hample, Antoine Predock Architects
Devendra Contractor, Architect
Garrett Smith, Garrett Smith Architects
Jonathan Seigel, Architect
Bill Sabatini, Dekker, Perich, Sabatini Architects
Jon Anderson, Jon Anderson Architects
Steve Borbas, UNM Facilities Planning
Miguel Gandert, UNM faculty journalism
Chris Callott, Infill Solutions

NUMBER OF DEGREES AWARDED

Bachelor of Arts in Architecture

Summer 2006:	03
Fall 2006:	05
Spring 2007:	26

Master of Architecture

Summer 2006	02
Fall 2006	15
Spring 2007	15

ENROLLMENT & ADMISSION STATISTICS

Bachelor of Arts in Architecture

Number of applicants admitted, fall 2005	45
Number of applications, fall 2005	94
Number of students enrolled	44
Enrollment headcount	140
Total BAA	140

Masters of Architecture

Number of applicants admitted, fall 2006	52
Number of applications, fall 2006	74
Number of students enrolled	28
Enrollment headcount (total)	107

SPONSORED PROJECTS

- Assistant Professor Tim Castillo
  -Virtual Albuquerque Project Phase II,
  Funding source: Center for Regional Studies, Dvelopment
  Funding amount: $38,000

  -Programmatic and Typology Development Grant
  Funding Source: UNM Anderson School Of Management
  Funding Amount: $7,000

  -NM PED Grants and Educational Allocations
  Nuestros Valores Charter School Study
  Funding Source: NM PED Contract
  Funding Amount: $40,000

  -Barelas Railyard
  Funding Source: City of Albuquerque
  Funding Amount: $7,500

- Associate Professor Stephen Dent
  -A Light Fixture Design Kit
  Funding Source: Association of Lighting Design
  Funding Amount: $1,000

- Assistant Professor Kristina Yu
  -Design Build project
  Funding Sources: Junior League of Lubbock Texas
  Funding Amount: $1,500
  Funding Sources: South Plains Food Bank
  Funding Amount: $5,500

FACULTY PUBLICATIONS

- Karen J. King, "Inclusive Design," chapter 13, Architectural Graphic Standards, 11th Edition, The American Institute of Architecture, Andrew pressman, editor, John Wiley & sons, Inc., March 2007.
- Stephen Dent, "The Environmentally Responsive School" Chapter for Anne taylor's forthcoming book.
- Stephen Dent, "Olsen Residence" published in Su Casa magazine, July, 2006.
- Tim Castillo, "Hybrid[s]: new pedagogical applications for designing our evolving spatial environment", SIGRADI Proceedings, Universidad de Chile, p131-136, 2006.

- Tim Castillo, "Fluid Environment" ACTAR Publications, Barcelona, Spain p, 262-263, 2006.
- Geoffrey Adams, graphic consultant and contributor of content "Inclusive Design", chapter 13, Architectural Graphic Standards, 11th Edition, The American Institute of Architects, Andrew pressman, editor, Wiley and Sons, March 2007.
- Mark Childs, "Parking Lots" in Architectural Graphic Standards, Eleventh Edition, A. Pressman, editor, Wiley and Sons, 2007.
- Mark Childs, Seven Questions about the Design of a Square", in *Inquiry into the Urban Environment: Issues concerning Urban, Housing and Building Environment* , Derya Oktay, editor, Urban Research and Development Center, Famagusta, Cyprus, 2007.
- Mark Childs, Review of Edward T. White's *The Piazzas of Florence, Journal of Urban design,* in press.
- Mark Childs, Review of John Nolan's *New Towns for Old (reprint), Journal of Urban Design*, V12, N1, p146-148, 2007.
- Eleni Bastea, "Athens. Etching Images on the Street: Planning and Aspirations," in Turkish, in*Sehirle ve Sokaklar, Istanbul, 2007, pp.35-53*
- Eleni Bastea, "Madeleines ans Hummus, Antique Armchairs and Cellphones,", in *Ambidextrous*, Issue 7, Summer 2007 pp 40 –42.
- Eleni Bastea, "A Place of our own" .*Cent* Mgazine, UK, Spring/Summer 2007, pp 30-34.

FACULTY HONORS

EXHIBITS

- Tim Castillo, "Evolutionary Architecture" EVOC Gallery, Albuquerque, New Mexico, 2007.
- Tim Castillo, "Self-Sufficient Housing – 1st Advanced Architecture" Institute for Advance Architecture of Catalonia, Barcelona, Spain, 2006.
- Geoff Adams and Karen King, "the HOME House Project" exhibited as follows:
  Contemporary Art Center, Cincinnati, Ohio, May 5 – July 30, 2006
  Plains Art Museum, Fargo, North Dakota, June 29 – Sept. 24, 2006
  Cleveland Art Institute, Cleveland, Ohio, Nov. 3 – Dec. 22, 2006
  New York School of Interior Design, New York, Feb. 1 – April 21, 2007.
  Yellowstone Art Museum, Billings, Montana, March 22 – June 14, 2007.

HONORS and AWARDS

- Tim Castillo – ACSA/AIAS New faculty Teaching of the Year Award 2006-2007
- Geraldine Forbes Isais – ACSA Distinguished Professor Award
- Anne Taylor – UNM Regents Professor Award

- Geoffrey Adams – AIA Albuquerque, Su Casa Magazine Residential Design Award
- Steve Dent – Faculty Acknowledgement Award – UNM Libraries

SCHOLARSHIP RECIPIENTS

Award	Recipient
AIA National Scholarships	
Gold Medal (Design Excellence)	Laura Veree Parker
Silver Medal (Design Excellence)	Adam Wilmes
Alpha Rho Chi (Service)	Robert Williams
Rinker Materials Student Design Competition	
First Prizes	David Fischman
	Noe Quinones
	Nayah Lee
Second Prizes	Brandi McLaughlin
	Alfred Kahn
	Christopher Stewart
Special mention	Kate O'Dowd-Lane
	Rebecca Davila
	Ryan Harris
AIA Santa Fe	Noreen Richards
AIA Santa Fe/Bradley Kidder	Louvenia Magee
AIA Albuquerque – Undergrad	Ricardo Maldonado
AIA Albuquerque – Grad	Ronald O. Nelson
	Ryan Martin
AICAE	Dedra Youvella
Kevin Ryan Scholarship	Miles Cook
Westwork Architects	Emily Stout
M. Smilovits Memorial Scholarship	Ana Petkovic
Charles and Katherine Brown	Sandra Clough
John Brinkerhoff Jackson	Renee Smith

New Mexico Graduate Scholars	Tanya Johnson Emily Stout Sandy Johnson
Antoine Predock Scholarship	Kenneth Marold

School of Architecture and Planning
Landscape Architecture Program
Annual Report: July 1, 2006 – June 30, 2007
Submitted by: Prof. Mark Childs, Acting Director

Following is a summary documenting key developments and events in the *Landscape Architecture Program* from July 1, 2006 – June 30, 2007. The report addresses initiatives, faculty, research, professional activities, administrative and staff changes, and student life.

New Appointment of Faculty / Staff

Anne Godfrey, Jan 07, tenure track, Assistant Professor

Retirements / Resignations of Faculty and Staff

None

Number Of Degrees Awarded (By Degree And By Semester And Summer)

Fall 2006 1

Spring 2007 3

Summer 2007 1

Faculty Promotions / Tenure Granted (If Any)

Chris Wilson, Professor

Dennis Wilkinson, Adjunct Assistant Professor

Sponsored Grants and Contracts

Faculty Name	Source of Funding	Beginning Date of Project	Amount of External Funding
Chris Wilson	See sabbatical report		
Anne Godfrey	State of New Mexico	Jan – May 07	$25,000

Faculty Publications

Faculty Name	Title	Publication or Publisher	Date of Publication

Other Faculty Research / Awards / Recognition Honors

Faculty Name	Project / Activity

Notable Student Achievements / Activities

Lisa Berstaller won the design competition for the National Hispanic Cultural Center.

Julie McGilvary facilitated the Japan Trip for Chester Liebs.

Tyler Albers has a scholarship from the National Forest Service to support his degree.

Susan Corbin won a Design Workshop internship for the Summer of 07.

Shafee Jones-Wilson won a Fulbright (I believe but haven't confirmed).

List Of Visiting / Part-Time Faculty

Fall 2006
Tony Evanko
Stevie Famulari
Anne Godfrey (visiting)
Greg Miller
Pat Westbrook
Dennis Wilkinson
Judith Wong

Spring 2007
John Barney
Greg Miller
Alex Rattray
Kim Sorvig (research faculty)
Arnold Valdez
Pat Westbrook
Dennis Wilkinson
Judith Wong

School of Architecture and Planning
Community & Regional Planning Program
Annual Report: July 1, 2006 – June 30, 2007
Submitted by: Prof. David Henkel, Director

Following is a summary documenting key developments and events in the *Community & Regional Planning Program* from July 1, 2006 – June 30, 2007. The report addresses initiatives, faculty, research, professional activities, administrative and staff changes, and student life.

New Appointment Of Faculty / Staff

n/a

Retirements / Resignations Of Faculty And Staff

Steve Wheeler – December 31, 2006

Number Of Degrees Awarded

Faculty Promotions / Tenure Granted

Professor James R. Richardson to full Professor

Sponsored Grants And Contracts

Faculty Name	Source of Funding	Beginning Date of Project	Amount of External Funding
Fleming	McCune Foundatioin	2006	$15,000
Fleming & Rivera	USDA/USFS	2006	$20,000
Henkel	USAID	2003	$195,000
Isaac	"	"	"
Jojola	NM Dept of Indian Affairs	2006	$5,000
Richardson	State of NM/Capital	2006	$40,000

	Improvements		

Faculty Publications

Faculty Name	Title	Publication or Publisher	Date of Publication
Fleming	The next generation of watershed management programmes and projects. (with P. Warren, T. Hofer, D. McGuire, B. Kiersch)	FAO, Rome	2006
	---	---	2006
	A watershed management framework for mountain areas: lessons from 25 years of watershed conservation in Nepal. (with S. Achet	Journal of Environmental Planning and Management	2006
	---	---	2006
	Following in Leopold's footsteps: revisiting and restoring the Rio Gavilan watershed. (with W. Forbes)	Journal of Ecological Restoration	2006
	Review of "The Colorado Plateau: Cultural, Biological, and Physical Research"	New Mexico Historical Review	2006
		Journal of Planning Education and Research	2006

Henkel	Review of "Environmental Land Use Planning and Management Trans-Border Community Planning	Curtin University – Proceedings of the Crossing Borders Conference, Miri, Sarawak, Malaysia (March 2007)	2007

Other Faculty Research / Awards / Recognition Honors

Faculty Name	Project / Activity

Notable Student Achievements / Activities

List of Visiting / Part-Time Faculty

- Jesus Lara
- Elmo Baca
- John Barney
- Chris Blewett
- Steve Borbas
- Ted Hodoba
- Tim Karpoff
- Jacobo Martínez
- Bernadette Miera
- Anita Miller
- Beth Mills
- Sarita Nair

Significant Changes / Developments In Programs / Curriculum

- Increased credit hours for Advanced Planning Studio (CRP 521)

- Modified relationship between Theory and Process (CRP 500) and Communication Techniques for Planners (CRP 510 – reduced to 2 credit hours from 4)

Other Significant Accomplishments

- PAB Re-accreditation and Site Visit
- Academic Program Review and Site Visit

Significant plans and recommendations for the near future

- Prepared and approved new 5-year strategic plan

School of Architecture and Planning
Historic Preservation & Regionalism Graduate Certificate Program
Annual Report: July 1, 2006 – June 30, 2007
Submitted by: Prof. David Henkel, Director

Following is a summary documenting key developments and events in the *Historic Preservation & Regionalism Graduate Certificate Program* from July 1, 2006 – June 30, 2007. The report addresses initiatives, faculty, research, professional activities, administrative and staff changes, and student life.

Brief Summary Of Any Major Activities, Initiatives, International Programs, And Curriculum Changes

Under the direction of Acting Director Dick Gerdes, the HPR Graduate Certificate program continued with a strong contingent of nineteen students (admissions and graduations were balanced). Two students received the Graduate Certificate during the year, and two new students were admitted to the program. At the end of this fiscal year, a total of nineteen students are enrolled in the program. Half-time Administrative Assistant, Candelaria Romero, and our dedicated adjunct and part-time instructors continued to make invaluable contributions to the program.

The program's two required courses, and set of electives coordinated with the School's three degree-granting program, were augmented again this year by the three courses of the 2007 Southwest Summer Institute for Preservation and Regionalism (one did not make the necessary enrollment). Dick Gerdes prepared the successful funding proposal, and coordinated this program. It included a ten day field study in Japan led by Adjunct Professor Chester Liebs--our first international program--and a highly successful course, Acequias: Their Culture and Future, co-taught by Arnold Valdez and Eric Delony, with a distinguished set of guest speakers.

The application for membership in the National Council of Preservation Educators, the closest to an accreting body for preservation programs, which was prepared the previous year by Chester Liebs and Chris Wilson, received final approval in November, 2006. A contingent of students and faculty again attended the annual New Mexico Heritage Preservation Alliance conference, this year in Roswell.

Faculty Changes

Dick Gerdes served as Acting Director of the HPR Program for the entire year, while Chris Wilson was on sabbatical.

Staff Changes
Admin Assistant III Candy Romero moved to the UNM Development Office and was replaced on a temporary basis by Nina Simbaña (who was hired permanently, following a full search, to start 10-1-07).

List of Visiting and Part-Time Faculty, Critics, and Guest Lecturers

Part Time Faculty

Arnold Valdez, Chester Liebs, Eric Delony, Daniel Carey
Karen Van Citters, Bill Dodge, Elmo Baca

Guest Lecturers

Beverley Spears, architect and landscape architect, Santa Fe, Pearl Fellow Lecture
John Murphey, NM Historic Preservation Division (twice)
Ed Boles, City of Albuquerque
Rich Williams, NM Main Street, Economic Development Department
Francisco Uvinia, Cornerstones Community Partnerships
Tony Monfiletto, architect, tour of Amy Biehl High School
Jose A. Rivera, Research Scholar, Center for Regional Studies, UNM
Hilario Rubio, Acequia Liaison Officer, Office of State Engineer
Sylvia Rodriguez, Anthropology Department, UNM
Paula Garcia/ Miguel Santistevan, NM Acequia Association
Frances Levine, Director, Palace of the Governors
Daniel Weir, Santa Fe County
Martin Stupich, HABS photographer, Albuquerque
José Arturo Martínez Lazo, Architect, Juarez, Mexico
David Benavides, attorney
Reymundo Romero, Mayordomo, La Cienega Acequia

Number of Degrees Awarded: Summer, Fall 2006- 1, and Spring 2007- 1

Enrollment & Admission Statistics

a. **Number of Applicants Admitted** (GCert, Fall 1, Spring 1)
b. **Number of applications** (GCert, Fall 1, Spring 1),
c. **Number of Students enrolled by degree** (GCert: Fall 19, Spring 19)
d. **Fall and Spring and Summer Student Credit Hours Generated** (Courses listed with the school's 3 degree-granting programs: Fall 108 hours, Spring 27 hours, Summer, 69 hours.)
e. **Fall and Spring Enrollment Headcount Count** (Fall 19, Spring 19)

Sponsored Projects; initiated and/or completed

Summer Preservation & Regionalism Institute, Dick Gerdes, Special Programs, UNM Academic Affairs, 1/1/07 – 08/30/07, $19,000

Major and/or Refereed Faculty Publications (None)

Honors and Awards

a. **Faculty Honors** (University, National, or Regional)

Chris Wilson: Clements Research Fellowship, Southern Methodist University, Dallas, Fall, 2006; Paul Mellon Research Fellowship, Huntington Library, San Marino, California, Spring, 2007.

b. **Major Student Honors/Recognition** (National/Regional) (None)

c. **Scholarship Recipients** (Program and School) (None)

School of Architecture and Planning
Town Design Graduate Certificate Program
Annual Report: July 1, 2006 – June 30, 2007
Submitted by: Prof. Mark Childs, Acting Director

Following is a summary documenting key developments and events in the *Town Design Graduate Certificate Program* from July 1, 2006 – June 30, 2007. The report addresses initiatives, faculty, research, professional activities, administrative and staff changes, and student life.

New Appointment Of Faculty / Staff

NA

Retirements / Resignations Of Faculty And Staff

NA

Number Of Degrees Awarded

1 Fall 2006

Faculty Promotions / Tenure Granted

NA

Sponsored Grants And Contracts

None

Faculty Name	Source of Funding	Beginning Date of Project	Amount of External Funding

Faculty Publications

Faculty Name	Title	Publication or Publisher	Date of Publication

Other Faculty Research / Awards / Recognition Honors

Faculty Name	Project / Activity

Notable Student Achievements / Activities

List of Visiting / Part-Time Faculty

Significant Changes / Developments in Programs / Curriculum

Revised curriculum to (1) reduce core requirements to 9 credits from 12, (2) alter course requirements, (3) rename two courses, and (4) clarify learning objectives for electives and alternative paths.

Other Significant Accomplishments

Significant plans and recommendations for the near future

Investigate coordination with masters programs for introductory physical design/urban design courses such as urban design theory, district scale design (subdivision, campus etc), policy/politics of urban design (e.g. codes, regulation, CIP).

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UNM COLLEGE *of* ARTS & SCIENCES

ANNUAL REPORT
2006/2007

By:

Dean Brenda J. Claiborne

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Appendix 1. New By-Laws of the College

I. OVERVIEW

The College's administrative team in 2006-07 continued with Interim Dean Vera Norwood with one change in Associate Deans. Mike Dougher, former Chair of Psychology and Director of CASAA, took over the duties of the Associate Dean for Research, while the previous Dean in this position, Rob Duncan, became the Acting Director of the Institute for Advanced Studies with the LANL consortium. Dr. Dougher also continued to serve as the Director of CASAA while performing these new duties for the College.

In March of this year it was announced that Dr. Brenda Claiborne had been selected as the new Dean of the College, with her appointment beginning August 1, 2007.

Chairs for the departments and program directors continue to play a significant role in the academic and research functions. See Table 1 for the names of Chairpersons and Program Directors in the College.

II. ADMINISTRATION

During 2006-2007, Senior Associate Dean Slaughter continued to assume responsibilities for various aspects of College administration related to faculty. These included organizing and advising the College tenure and promotion review committees (see Table 2), meeting with faculty coming up for reviews, consulting with department chairs on faculty progress through the ranks, and reviewing and making recommendations to the Dean on all tenure, promotion and mid-probationary reviews. She advised the Dean, and the Chairs and Directors on policies and practices related to annual reviews and post-tenure reviews of faculty. She also served as the College Hiring Officer, with oversight of search, recruitment and selection efforts associated

with the appointment of new faculty in the College (see Table 3 for results of these activities). She convened and served on the College Sabbatical Review Committee, and oversaw the review and award of the Research Semester which provides Junior Faculty with a semester released from teaching Responsibilities.

Slaughter also allocated special funds for faculty travel (see Table 4) and the College Speaker's and Conference Fund (see Table 5). She oversaw the Faculty Development Fund to support faculty research efforts, which is funded with $30,000 from the Office of the Vice President for Research and Economic Development, and $15,000 from the Dean. That program provided funding for conferences to explorations of cross-cultural relations between Native Americans and African Americans, to the Peace and Justice Fair. Popular speaker's series open to the public organized by the International Studies and Medieval Studies Institutes also received funding from the College.

She continued to be responsible for the interdisciplinary programs, discussing with the directors ways to expand interdisciplinary collaboration, and encouraging joint grant applications, and developing of shared hiring proposals. These efforts are in the spirit of many of the new initiatives recently announced as part of the University's mission and goals. As a slightly different dimension of these same goals the College continued and expanded upon discussions on International study program opportunities that would encourage and expand upon student travel abroad, and help to make international experiences a regular and sustained part of faculty and student life.

In recent years the College has grappled with increased enrollments and pressures for more entry level courses while also increasing retention rates for incoming students. To meet these needs, in the past the College has relied heavily on large numbers of part time instructors,

but hiring of semi-permanent, full time lecturers has become more and more common. This has proven to be a fairly effective way to meet student demand, improve the quality of teaching, and provide a much more equitable and professional experience for the instructors. Ten new faculty were appointed as Lecturers in August 2006 making the total number of individuals at that rank, 43. Associate Dean Slaughter continued working with various Department Chairs and faculty addressing needs and concerns of these new faculty. In addition, she served on a University wide committee created to look at conditions for part-time faculty with the goals of providing more job security, benefits, and improved working conditions. That effort is ongoing.

Associate Dean Robert Duncan took on other responsibilities and was replaced by our new Associate Dean for Research Michael Dougher. Refer to Section V.

Associate Dean Mark Ondrias continued in his position as Associate Dean for Curriculum and Instruction, directing the College's student advisement efforts, handling curriculum changes, graduation requirements, and student complaints and academic disputes. He managed scheduling and budgeting for the Summer Session (see Table 6) and Evening and Weekend Degree programs.

Ondrias also served as the College's Office liaison to the Arts and Sciences Undergraduate and Graduate Committees (see Table 7), convening those two groups and facilitating their work.

III. RECENT MAJOR DEVELOPMENTS IN THE COLLEGE OF ARTS AND SCIENCES

The Department Chairs in the College continued to change in 2006-2007, with the new and Acting Chairs in place at the beginning of the year. In addition, our many programs had three new directors. We continued with our now annual Chairs' School which provides training

for newly appointed chairs and directors. This consisted of sessions run by each of the Associate Deans, the College Administrator, and the Director of Development, along with a session with the Deputy Provost and University Counsel on employment issues, hiring, promotion and tenure, etc. and information on research from the Office of the Vice President for Research and Economic Development. We also held our annual day long Chairs' & Directors' Retreat, updating Chairs and Directors on topics such as fiscal matters, College and University policies, retention and graduation initiatives, instructional effectiveness, faculty development, research resources, proper use of the College web-site, Development skills and goals, and much more.

Most significantly, during 2006-07 the College of Arts and Sciences and the School of Medicine's combined BA/MD degree program completed its first full year with 30 out of 30 students finishing this academic year. We also received approval for the Nanoscience and Microsystems Graduate Degree Program (NSMS) a joint endeavor between several of the departments in Arts and Sciences and the College of Engineering. Professor Richard Santos (Economics) continued to direct the program for Arts and Sciences. Details of the program are detailed below in the BA/MD's separate Annual Program Report.

Sachiko Isobe continued as our Constituent Development Officer and Debbie Dobson continued as a Development Specialist. We added another development staff person in 2006-07 in recognition of the growing success of the College in identifying and cultivating prospects. Elly Van Mil continued as our Communication Specialist, and is involved in preparing grants for student training, programs and facilities as well as other kinds of communication.

Building projects were a key development in the College during 2006-07. The state of the art renovation of the Communications and Journalism building was completed this year.

The College had received $7 million in funds to renovate Castetter Hall in order to provide new introductory Biology laboratories. And, we generated $5.6 million in new funds in support of the Biology department's genomics wing expansion. Phase I of this expansion was completed at the end of this year, providing vital research lab spaces in a key research area for the department. This is a phased project for which we continue to seek additional funding at the state level to complete Phase II.

The student bond supported $16 million in new funds to construct a Science and Mathematics Learning Center - a state of the art facility that will house Biology, Chemistry and Earth and Planetary Sciences introductory course labs, "smart" classrooms for mathematics instruction, and bring together a scattered mathematics faculty into one facility. The $16 million was matched with $7 million from the New Mexico Legislature during the 2006 Session.

Our draft case statement for the university's planned capital campaign was submitted to the Provost. The statement details a $35 million plan for improving education, research and public service across the College from entering students through our National Academy of Sciences faculty members. Our plan was approved in Fall of 2006 and our priority for 2006-07 will be to continue to develop a strong understanding of our potential donor base. The Development staff and the Interim Dean worked on this during the year and will continue with this endeavor during the coming year.

IV. AFFIRMATIVE ACTION

The College continued its efforts to increase the cultural and gender diversity among its faculty during the 2006-07 academic year. In line with the Regents' policy concerning diversification of search committee membership, all departmental search committees included

minority and female members.

Appointments resulting from searches conducted during AY 2006-2007 added Thirty six new faculty (including five full-time lecturers). Of those appointed, twelve are female, two are Hispanic, one is Asian, and one is African American. These are impressive numbers and we are pleased to have been so successful in expanding the gender and cultural diversity of College faculty.

During AY 2006-2007, the College continued its efforts to ensure equity within the faculty salary structure for members of underrepresented groups and to provide support to those faculty for the purpose of career development at the individual level. In the year ahead we will continue existing programs for faculty development, and consider new initiatives, particularly special requests for targeted faculty hires. In addition, we plan on working with other units on campus in conjunction with departments in order to leverage funds to support diversity hires.

V. RESEARCH AND SCHOLARLY ACTIVITIES

The total level of sponsored research, contracts, and grants at UNM increased rapidly from $164.3M in FY96 to over $280 M in FY07. The College of Arts and Sciences was by far the top performer on UNM's Main Campus in FY 2007 with 360 awards received and $32,564,451, placing it second only to HSC in both number of research proposals and research expenditures. In FY 07, the College generated 22% of all research proposals submitted from UNM, and we were responsible for 21% of all F&A costs derived from sponsored research throughout UNM.

This growth in research is advantageous for two reasons: First, it permits our faculty to

become more active through their leadership roles in their disciplines and their professional societies, which advances UNM's reputation as a major 'Research Extensive' University within the United States. Secondly, this increased role generates a true influx of money to New Mexico that would otherwise not be available to UNM or the State. While most of the external sponsored research funding within the College of Arts and Sciences is received in the 'Natural Sciences' (Biology, Physics and Astronomy, Chemistry, Earth and Planetary Sciences) and Mathematics, the College has received far more than the national norms of funding for our efforts in Psychology and the Social Sciences.

In order to expand and leverage this impressive research growth, the Associate Dean for Research works closely with the Dean, with the College's Grant Specialist, Elly Van Mil, and especially faculty and staff in several departments in achieving important goals by expanding opportunities for student research training support and in pursuing other projects for the College. In addition to this push to expand our current sponsored research opportunities, the Associate Dean for Research leads new major initiatives to improve the research climate within UNM and to leverage our excellent research position to improve our primary mission in student education.

Grant Proposals Submitted, Awarded, Rejected. During this year, the Grants Specialist assisted with preparing and submitting 14 proposals with a total of $23,344,507 in funding support. Of those, 4 proposals were awarded for a total of $19,670,685, 3 proposals are pending with a funding amount of $1,235,206, and 7 were rejected with a funding amount of $2,240,053.

Grant Proposals Submitted and Awarded:

V. *Ethics Education in Science and Engineering* (EESE - NSF) - Mary Domski, Glenabah Martinez, Chuck Fledderman - 3 years, $298,563 requested, award was 1 year, $100,000

VI. *Internationalization Across the Curriculum* (U.S. Department of Education Title VI) - Latin American & Iberian Institute - 2 years, $56,000

VII. *Robert Wood Johnson Center for Health Policy* - On planning/writing team. 5 years, $18,500,000

VIII. Undergraduate Nurturing Opportunities (UNO - NSF URM) - Joe Cook & Bill Gannon, et al - 5 year, $1,014,685

Grant Proposals Submitted and Rejected:

- Animal Facilities Improvement Program - Biology (NIH) $700K *resubmitted 2007.*
- *CAMP (College Achievement Mentoring Program* (Disability Research - NSF) - Polechla, $298,053
- Course, Curriculum and Laboratory Improvement (CCLI - NSF) - Ondreas et al., $150K,
- D.H. Lawrence Ranch - Preservation Planning Proposal (NM Historic Preservation Division) $7K
- Informal Science Education Planning Grant (NSF) - Polechla, $75K
- *Medicine in New Mexico from a Humanities Perspective* (NEH) - Slaughter, Santos. $30K - *discussions commencing to resubmit through RWJ*
- Research and Evaluation on Education in Science and Engineering (REESE - NSF) - Lichtenstein et al., $980K - *discussions ongoing about whether to resubmit in 2008*

Grant Proposals Submitted and still pending:

- Animal Facilities Improvement Program - Biology (NIH) $500K - *have learned score is 155 so we are hopeful.*
- *InPsych* Proposal for Psychology - $725,206 - Steve Verney & Kamilla Venner - *learned later this was rejected.*
- *Presidential Award for Excellence in Science, Engineering and Mathematics Mentoring* (PAESMEM - NSF) $10K - Mary Ann Nelson

Supplemental Activities. The Grants Specialist also performed other tasks, as follows:

Other Assistance With Securing Funding. The Grants Specialist also assisted UNM A&S faculty and staff with numerous short-term tasks that facilitated their submissions or searches for funding sources. These included the following:

- Edited 2 major proposals: NSF STEP proposal (Salazar, Santos, Ibarra, DelCampo), and NSF Biocomplexity Grant for Coupled Human and Natural Systems (Brown)
- Assisted several faculty/departments with campus-limited competitions - 5 of 6 selected
- Assisted with electronic submissions and budget formulations for several proposals
- Conducted searches for funding opportunities for 29 individuals/departments, and electronically distributed several opportunities to relevant departments through the chairs.
- Helped prepare documents and Power-Point presentations for three Federal Priorities Projects: Psychology - Capital Improvements, and InPsych Student Training Program; and English - the D.H. Lawrence Preservation Proposal
- Edited EHPP Grant Program Guidelines

Other Funding Related Activities - Other tasks performed by the Grants Specialist include:

- Working with the College of Fine Arts Grant writer to search for collaborative options among A&S and CFA faculty, especially in areas concerned with digital media.
- Serving on the Task Force for the D.H. Lawrence Ranch as an interested person who can potentially assist with other funding proposals.
- Facilitating a meeting regarding coordination needs of the Optical Science Program
- Serving on the A&S Grants Process Review Committee

Program Development and Support. The Grants Specialist assisted with furthering the goal of the College to establish the Nanoscience and Materials Science (NSMS) M.S. and Ph.D. degree program, as a collaborative effort with the School of Engineering. The approval process for this program continued, and minor modifications were made that were requested at various levels. The program was reviewed and approved by the Faculty Senate in September 2006, by the Regents in October 2006, by the state-wide Council of Graduate Deans in December 2006, and by the New Mexico Finance Committee in January 2007. The Grants Specialist assisted with the final Catalog Proofing in February and March 2007.

Scholarly Productivity. While research grants and awards are certainly an important metric, the College's scholarly productivity in 2007 year as measured by peer-reviewed articles, books, and other scholarly works continued to be very impressive. Faculty across the College generated more than 700 peer reviewed articles and 48 books and edited volumes last year.

One of the proclaimed advantages of a research university is that its students are afforded opportunities to participate in research as part of their educational experience, and that is clearly true in the College of Arts and Sciences, where the vast majority of the over 700 published articles were coauthored with students. In addition, faculty in the College supervised nearly 70 undergraduate honors theses, and more than 1000 undergraduates were involved in faculty sponsored research projects last year. Moreover, there were several programs in the College last year specifically intended to get undergraduates, particularly under represented students,

involved in research. These include - Alliance for Minority Participation (NSF, Laura Crossy, PI), Initiatives to Maximize Student Diversity (NIH, Maggie Werner-Washburne, PI), Minority Access to Research Careers (NIH, Mary Anne Nelson, PI), Post-baccalaureate Research Education Program (NIH, David Keller, PI), and Undergraduate Nurturing Opportunities (NSF, Joe Cook, PI).

College Research Initiatives. In an effort to stimulate and facilitate research productivity across the College, a number of new research initiatives were implemented last year. These included: 1) Dean's Dissertation Fellowships, which were one-year fellowships in the amount of $11,000 (plus tuition, fringe and health insurance) awarded to a doctoral candidate in each of the three major academic clusters: humanities, social/behavioral sciences, and physical sciences; 2) Dean's Summer Research Awards, which provided summer research stipends of $20,000 to two tenure-track faculty, preferably junior, from each major academic cluster to complete major projects including grant proposals, books, major conceptual papers, theoretical reviews, etc.; 3) Dean's Research Semester Award, which provided one-course teaching releases each semester to five tenure-track faculty, preferably senior, across the College to allow for the completion of specific projects including grant proposals, journal articles, books, or to establish new interdisciplinary research initiatives, especially those that bridge humanities and the sciences; and 4) Dean's Supplemental Stipends to Recruit Outstanding Graduate Students, which provided Fifteen supplemental stipends in the amount of $5000 to Departments across the College to assist in the recruitment of outstanding graduate students, especially exceptional minority students. By any measure, these initiatives were quite successful, resulting in the completion of two excellent dissertations, five grant proposals, three books, a successful Fullbright application, and

the successful recruitment of fifteen outstanding graduate students, 13 of whom were from under represented groups, who would otherwise have gone to other universities.

Initiatives to Improve the Research Climate. Along with the Associate Dean for Research in the College of Engineering, the Arts and Sciences Associate Dean for Research took the lead in creating a study group (Research Study Group, RSG) to review the sponsored research process at the University. The RSG, which was formally chartered by Provost Dasenbrock in February, 2007, issued its final report in August 2007. The final report identified several problems with the research process at the University and made several specific recommendations for improving that process. The President of the University has endorsed the recommendations in the final report, and many of those recommendations have already been implemented. When fully implemented, the revised research process should greatly facilitate the sponsored research process at the University and make it easier for faculty to engage the research process.

The College of Arts and Sciences will continue to be a major participant in this rapidly growing research mission of UNM through our active participation in the Research Cabinet, through activities designed to enhance the economic competitiveness of New Mexico, and most importantly through the expansion of our faculty and student involvement in our research mission. The key to our past and future success rests in the professional dedication and motivation of our faculty to seek additional research opportunities as they build upon existing research strengths. The success of our research mission has depended, and will continue to depend upon the collegial spirit of our professoriate, and upon the good faith efforts of our faculty to fulfill, and often exceed, the research expectations within their faculty contracts.

VI. CURRICULUM, TEACHING AND ENROLLMENT MANAGEMENT

Summary data on the various aspects of the College's teaching efforts are presented in Tables 6, 8, 9, and 10. The total number of degrees awarded, the student credit hour (SCH) taught by the college, and the number of undergraduate majors in the college all increased. The decade long increase in SCH for the College is especially significant in view of the continued decline in faculty numbers over that period. This trend necessarily means that an ever increasing fraction of the College's teaching load is being borne by part time instructors and graduate students. The total budget for part time instruction and the fraction of the College courses taught by PTI increased again this year to over $3.9M.

The College's teaching capabilities were bolstered by the Interdepartmental Teaching Assistant Program. This program allows graduate students from one A&S department to be TAs in another department. During the 2006-07 year the program was increased to a total of 23 TA lines (14 in English, 7 in Spanish, 1 in Math and 1 in FLL). This expanded the number of SCHs available in lower division English and Math courses by over 12,000.

Six faculty from the College were designated at Distinguished Professors during this year.

Curriculum Development

Arts and Sciences also played an active role in promoting the use of new pedagogies in the classroom. The College helped fund day long symposia and workshops concerning the use of technology in large courses and the establishment of a "Writing Across the Curriculum" program. Funding was also provided for an expansion of the Supplemental Instruction (SI) program administered by CAPS. The number of SI sections offered for Physics, Chemistry and Political Science courses was increased substantially in collaboration with the UNM Title V

Program. The College actively encouraged the creation of on-line offerings by providing additional funding for coordination, technical resources and instructor compensations for on-line programs. Nearly 1000 SCHs from a variety of departments were offered in 2006-07. The English department was particularly active in this regard, offering a substantial portion of its Technical and Creative Writing courses (219 and 220) as on-line sections.

New initiatives to improve success in gateway courses and, hence, graduation rates were created in Math and English. Both departments received special funding from the Provost to develop a suite of new initiatives aimed at helping students through entry level courses. These include, intersession workshops (for students that nearly passed their English 101 or Math 120 courses but failed the written portfolio or final exam, respectively), second eight week courses, and new hybrid or fully on-line course content. These innovations will be implemented in the coming academic year

In addition to the expansion and improvement of existing academic programs within the College, three new degree programs were launched in 2006 - 2007. Nanoscience and Microsystems (NSMS), Sustainability Studies, and the BA/MD programs all began to admit students and offer their first courses. All three programs have developed new and exciting curricula that are specially designed for a focused group of major. The BA/MD and NSMS programs are joint ventures requiring close collaborations with the Schools of Medicine and Engineering, respectively.

Enrollment Management Initiatives

In order to address ever increasing enrollment pressures in specific high demand courses, the College initiated an aggressive program of enrollment management. In consultation with the Associate Provost of Academic Affairs, the College added over 15 sections of high demand

courses in both Fall 06 and Spring 07. These courses were predominately lower division core courses and allowed over 700 students to enroll in classes from which they would have otherwise been excluded. In addition, the College enthusiastically participated in the creation of intercessions for both the Fall and Spring semesters. The fall intersession was particularly successful. The College offered 17 courses from 9 departments and the majority of these courses filled to within 90% of capacity.

Summer Session

The 2006 Summer Session allocation to the College was $780,000, a 6 % increase over summer 2005. Much of the increase in funding was used to increase the number of high demand courses. In particular, collaboration with the Office of the Provost produced a viable plan to offer more high demand laboratory courses. In addition to a full range of on-campus courses for degree-seeking students, the College continued to support unique summer programs such as the intensive German Summer School in Taos, field schools in Anthropology and Geology, and the English Department's Summer in London program (see Table 6).

VII. SPECIAL PROJECTS AND FUNCTIONS

Advisement Center

Under the supervision of Mark Ondrias as Associate Dean of Curriculum and Instruction, the College Advisement Center oversees the student undergraduate population. The Center admits undergraduate students to the College of Arts and Sciences once they have been accepted into the department of their major. The Center's seven advisors monitor the academic progress of over 6500 students. They are responsible for monitoring the academic progress, success, and shortcomings of all A&S students, certifying their graduation, updating their intended course of

study, and, if necessary, placing students on probation and/or suspending them for unsatisfactory progress in their program of study. These Center staff members advise students on general degree issues that are not specific to the departments of their major or minor. They partner with students to assist them in achieving their academic goals. The Center was responsible for the certification of approximately 1300 Arts and Sciences baccalaureate graduates this academic year. The number of Arts and Sciences students enrolled during 2006-2007 consists of the following: Summer 2006 – 1812, Fall 2006 – 5131, and Spring 2007 – 5117. The total number of visits to the Advisement Center during 2006-2007 was 8835, which does not include out of office advisement sessions or electronic communications. In person visits continue to drop slightly due to an increase in electronic communication. Students seem to prefer the flexibility to contact their advisor electronically. The center has plans to expand these kinds of opportunities for student interaction in the next year. Emails to the Artsci email alone has grown from just under 700 in 05-06 to 817 in 06-07. This does not include the emails that have gone directly to the advisors' personal email accounts.

Changes/Initiatives: The director has continued her evaluation of policy and procedures for the College. The center has continued to reinforce the idea that advisement is a partnership between the advisor and student. They have increased the number of group sessions for students and have changed their format to reflect a set of learning objectives that augment the students understanding of their own degree. The center has also piloted an advisement syllabus (given only to transfer students to date) that will be given to all A&S students in the coming year. Giving the students responsibility and an active part in their navigation is the first step in engaging them in the advisement process.

The Center and the departments have continued to refine the communication across the college. Both staff and faculty departmental advisors have gone through much training for the new system and collaborate with their peers for best practices. They continue to be very proactive and responsive in addressing new policies/procedures necessary for the college to serve the students needs. The previous degree application procedure was altered to use the ePROGRESS report as the tool for completion instead of the transcript. The departments now must indicate whether the audit is correct or not; and if waivers or exceptions have been made for the particular student.

Traffic/Availability: The Center continues to operate on an appointment-based system Monday through Thursday with walk-in days on Friday to accommodate the students need to seek assistance on "deadline days". The Center has had a favorable response to the adjustment to thirty minutes appointments. Group seminar advisement sessions for transferring into Arts and Sciences as well as applying to graduate from the College have been changed from a back up to a one on one appointment to the mandatory session with a one on one after if needed. These seminars are offered several times a week throughout the semester but have been limited due to the lack of space to conduct them on a regular basis. The center was able to secure a classroom, but at very unpopular times. Currently the director continues to look for ways to rectify this and secure a seminar space for advisement. .

Collaborations: The Center has strengthened its relationships with other departments and student centers around campus for the betterment of student advisement. The Biology, Chemistry, and Psychology departments collaborated with college advisors for a 2-day Advise-a-thon where over 50 students were given one stop shopping for necessary paperwork and advisement. Several Freshman Academic Choice classes were given presentations or group

advisement by the Director or her staff during class time. A&S Advisors have also volunteered advisement support to the College Enrichment Program as well as UNM Summer Bridge. Through the work of the Provost's Committee on Advising, Arts and Sciences have two "Pre-major" advisors that are housed at University College. The College pays for .25 of their salary and in return they will serve the college's prospective students that need assistance in the transfer process. They represent the College at many on-sites and college fairs, allowing the Center to offer more availability to the current students during those times. A&S has seen increased enrollment in the college in the past year with the inception of this program. The initial increase was estimated at approximately 1000 – 1500 more students in Arts and Sciences. University College has seen a 50% decrease in their junior and senior population alone. The majority of these students transferred to Arts and Sciences. Assessment of this initiative will be done at the beginning of the 2007-2008 academic calendar year. As a side effect of this initiative, A&S has seen an increase in students that do not necessarily intend to graduate with one of our degrees but are housed here for the time being. Toward the end of this academic year, Stephanie created a 2nd major that is classified as "Undecided". This marker has been put on any student that states they will be moving to another college in the future. This will serve as a way to track these students in the future and offer them alternatives to true A&S advisement requirements. The center has started designating this marker since the summer of 2007. There will be numbers to report in the next review.

College Academic Committees

College of Arts and Sciences Graduate Committee

The Charge of the College of Arts and Sciences Graduate Committee is to be responsible for maintaining and enhancing the quality of graduate education in the College.

The A&S Graduate Committee was reconstituted in the fall of 2005 according to the new by-laws of the College (see Table 7). The responsibilities of this committee are to represent graduate program interests to the Dean of Arts & Sciences and the Office of Graduate Studies and to report developments to the College faculty through the departmental graduate advisors. This includes consideration of actions related to curriculum change, instructional programs, academic advisement for graduate students, and changes in administrative or academic regulations which affect graduate programs.

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. The implementation of the new BANNER student system and the reorganization of the operations of the Office of Graduate Studies provided opportunities to upgrade the procedures for graduate admissions and the processing of TA contract. Ad-hoc committees were formed to address these issues. These committees were instrumental in establishing new avenues of communication with OGS.

College of Arts and Sciences Undergraduate Committee

The Charge of the College of Arts and Sciences Undergraduate Committee assumes responsibility for maintaining and enhancing the quality of undergraduate education in the College. This includes conducting activities related to curriculum change, instructional programs, academic advisement, and changes in administrative or academic regulations which affect undergraduate programs.

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 includes representatives from

interdisciplinary degree-granting programs and staff academic advisors within the College. Visitors to the meetings are welcome, and may be called upon to speak to the group as necessary. The Subcommittee on Curriculum (consisting of four members of the A&S Faculty and chaired by Assoc. Dean Ondrias) reviews requests from departments both within and outside the College for curricular and/or program requirement changes that may impact one or more Arts and Sciences departments. The Undergraduate Committee and Curriculum Subcommittee were active participants in the initial implementation of the student BANNER system. Members of the Committee met with representatives of the BANNER implementation team on several occasions. The College Advising Office served as a focal point of addressing difficulties that were encountered with student registration and transfer equivalencies.

College Grant and Scholarship Initiatives

The Teacher's Institute and Science Education Institute of the Southwest

The **Teachers' Institute** began in 1999 with support from DeWitt Wallace Readers' Digest Foundation as a demonstration site for the Yale-New Haven Teachers Institute. Pursuing its mission of contributing to K-12 education by improving teachers' access to knowledge, the Institute offers credit-bearing seminars each summer and shorter workshops the year around in a range of liberal arts and fine arts disciplines, both on the UNM campus and at other sites that provide hands-on access to learning opportunities for teachers. The **Science Education Institute of the Southwest (SEIS)** has provided programs in response to the needs of New Mexico's science teachers since 2005. SEIS, a collaborative effort among the University of New Mexico, Sandia National Laboratories, New Mexico Museum of Natural History and Science, and the Albuquerque Public Schools, also involves educators from such programs as the (now defunct) LodeStar Astronomy Center and other local and regional groups significant to science

education. The TI is jointly led by two faculty co-directors, Prof. Wanda Martin (English) and Prof. Matt Nyman (Natural Science) with the administrative support provided by the College Office. Dr. Martin is responsible for the Humanities and Social Science activities of the Institute, while Dr. Nyman is in charge of the programs related to the Natural Sciences. Dr. Nyman is also the UNM Director of SEIS. These Institutes continued to function at a high level during the past year, conducting the Taos Writer's Institute (43 participants and 4 faculty), offering a variety of seminars, courses and workshops for K-12 teachers (5 summer courses, 4 seminars and 21 workshops, engaging 10-12 UNM faculty and over 250 public school teachers. and actively pursuing funded collaborations / projects with Sandia National Laboratories and other national funding agencies.

The College was also home to a variety of other K- 12 and Teacher Training activities. The Teacher's Success Council was formed in 2007 in collaboration with the College of Education. This is a proactive working group that brings together faculty and administrators from A&S and the College of Education to improve teacher education at UNM. The TSC is charged with improving the curriculum alignment between the two Colleges. They are currently working to insure that students in various A&S programs have a straightforward pathway to obtain a minor is secondary education (the first step in NM high school licensure). Finally, a variety of externally funded initiatives providing in service outreach to public schools were active in 2006 - 2007. These included the K-12 (Biology and E&PS), La Meta (Math) and CEMELA programs.

College Scholarships and Dean's List

College Scholarships:

In 2006-07, the College of Arts and Sciences continued to expand and update its web-enabled descriptions of our scholarship program, including the seven awards and how students

could apply for them. The application period was from January 1 to April 1, 2006, and over 100 applications were received with 57 complete portfolios, which were reviewed by the College Scholarship Committee (Deborah Evans, Maya Erick, Diane Marshall, Susan Romano and Charlie Steen). The committee reviewed all of the completed files and chose recipients for six of the awards. The seventh award, the Frank O. and Sadie M. Lane Endowed Scholarship, has its own procedure and a separate review committee that chooses new recipients each year.

This was the second year that the Robert Noyce Scholarships was awarded in the College. This initiative is funded by the National Science Foundation and is intended for students who are currently pursuing an undergraduate degree in science or math and wish to change their careers in order to become secondary teachers. A total of eight scholarships were awarded this past year. The College also provided funds for an undergraduate course in the teaching of ecological science as part of the Noyce program.

The scholarship award recipients for 2006-07 are as follows:

Charles E. Brown and Katherine M. Brown Scholarship Marjorie Yepsen and Carleen F. Farnam Endowed Scholarship Ralph W. Douglass Memorial Scholarship	Stephanie Chu Pamela Reed Amaris Feland Ketchem
F.P. Clements Endowed Scholarship George A. Kaseman Memorial Scholarship Dr. Harry Vanderpool Endowed Scholarship	Anne Benscoter Marisa Y. Thompson Elaina Sandoval
Frank O. and Sadie Lane Scholarship	Laural Bastian Erica S. Martin Anna K. Wakeland
Robert Noyce Scholarship	Robert Cougar Burke Clinton M. Chisler Rachel Lynn Clevenger Sarah T. H. DeRosear Melissa C. Hawkins Katherine M. Turner Kristin M. Youberg Amelia White

Dean's List – College of Arts and Sciences Honor Roll:

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 with letter grades. Over 1100 students achieved this honor with 371 receiving this distinction in both the Fall 2006 and Spring 2007 semesters. Students who met the criteria for inclusion on the Dean's List received a notation on their transcript and an email of appreciation and congratulations signed by Associate Dean Ondrias. The College also displays a list of awardees on the A&S homepage.

VIII. DEVELOPMENT EFFORTS

In fiscal year 2006-2007, the College of Arts and Sciences Development Office raised a record setting $3,583,991 in private gifts. This was 137.85% over the goal set at $2,600,000 by the UNM Foundation for the College.

Staff changes included the addition of two new people, Eva Lipton, as the part-time Program Director, and Jane Midgley as a Development Associate. Debbie Dobson was promoted to Chief Development Officer, and Sachiko Isobe resigned her position as Senior Development Officer. Dana Bell continues in her part-time position as newsletter editor of *Inside Arts and Sciences.*

The Development office also moved to a new location, better to accommodate the growing staff, inside the Dean's suite.

The quiet phase of the capital campaign began as of June 1, 2007 upon President David Schmidly's arrival. We are being told at this time by VP of Advancement Michael Kingan, the campaign will raise $500,000,000, and will run through 2112.

Major gifts received include $350,000 from Dr. Bill Chambers for History, $160,000 from the Hibben Trust for the completion of the Ortiz Center, and the first installment of $500,000 from the Archdiocese of Santa Fe for the Chair in Roman Catholic Studies.

Major accomplishments include the completion of the Communication and Journalism renovation, and the start-up of the Biology renovation, both financed through a University bond which was paid for by an increase in student fees.

TABLE 1

COLLEGE OF ARTS AND SCIENCES

DEPARTMENT CHAIRS: 2006 - 2007

American Studies	History
Gabriel Melendez	Patricia Risso
Anthropology	Linguistics
Garth Bawden (Fall) Michael Graves (Spring)	Sherman Wilcox
Biology	**Mathematics & Statistics**
Sam Loker	Alejandro Aceves
Chemistry	Philosophy
Cary Morrow	John Schueler (Fall) John Taber (Spring)
Communication & Journalism	Physics & astronomy
John Oetzel	Bernd Bassalleck
Earth & Planetary Sciences	Political Science
Les McFadden	Mark Peceny
Economics	Psychology
Philip Ganderton	Ronald Yeo
English	Sociology
David Jones	Philip Gonzales
Foreign Languages & Literatures	Spanish & Portuguese
Natasha Kolchevska	Clancy Clements
Geography	**Speech & Hearing Sciences**
Paul Mattthews	Philip Dale

TABLE 1 (continued)

COLLEGE OF ARTS AND SCIENCES

PROGRAM DIRECTORS: 2006 – 2007

African American Studies	Institute of Meteoritics
Finnie Coleman	**Carl Agee**
American Indian Research Institute	International Studies Institute
Amanda Cobb (Fall)	**Melissa Bokovoy**
Beverly Singer (Spring)	
BA/MD Program	Latin American Studies
Richard Santos	**Kim Gauderman**
Center for Advanced Studies	Maxwell Museum
Ivan Deutsch	**Bruce Huckell, Interim**
Consortium of the Americas	Museum of Southwest Biology
for Interdisciplinary Science	**Don Duszynski**
Nitant Kenkre	
Earth Data Analysis Center	Peace Studies
Stan Morain	**Jennifer Moore (Fall)**
	Alex Lubin (Spring)
Feminist Research Institute	Religious Studies
Anita Obermeier	**Richard Wood**
Institute of Medieval Studies	Women Studies
Timothy Graham	**Karen Foss (Fall)**
	Gail Houston (Spring)

TABLE 2

COLLEGE OF ARTS AND SCIENCES

STANDING COMMITTEES I

TENURE AND PROMOTION COMMITTEES

College of Arts and Sciences Senior Promotion Committee 2006-2007

Professor Zach Sharp, Earth and Planetary Science (Chair)

Professor Chris Sierra, Political Science
Professor Clancy Clements, Chair Spanish and Portuguese
Professor Barry Gaines, English
Professor Louise Lamphere, Anthropology
Professor Jens Lorenz, Mathematics
Professor Rob Miller, Biology
Professor Jane Smith, Psychology
Professor Gerald Vizenor, American Studies

College of Arts and Sciences Junior Mid-Probationary & Promotion and Tenure Committee 2006-2007

Associate Professor Trish Henning, Physics (Chair)

Professor Alok Bohara, Economics
Associate Professor James Boone, Anthropology
Associate Professor Pam Cheek, Foreign Languages
Professor Yemane Asmerom, Earth and Planetary Science
Associate Professor Bob Fiala, Sociology
Professor Astrid Kodric-Brown, Biology
Associate Professor Dan Mueller, English
Associate Professor Caroline Smith, Linguistics

TABLE 3

COLLEGE OF ARTS AND SCIENCES

PROMOTIONS, TENURE, MID-PROBATIONARY REVIEWS, NEW APPOINTMENTS, RESIGNATIONS AND RETIREMENTS
2006-2007 Review Candidates

Name	Department	Action Required
Charles Cunningham	Biology	Mid-Probationary
Patricia Covarrubias	Communication & Journalism	Mid-Probationary
Virginia McDermott	Communication & Journalism	Mid-Probationary
Michelle Hall Kells	English	Mid-Probationary
Cathleen Cahill	History	Mid-Probationary
Santiogo Simanca	Mathematics & Statistics	Mid-Probationary
Eric Ruthruff	Psychology	Mid-Probationary
Bruce W Smith	Psychology	Mid-Probationary
Leila M Lehnen	Spanish & Portuguese	Mid-Probationary
Maria Dolores Gonzales	Spanish & Portuguese	Mid-Probationary
Phyllis Palmer	Speech & Hearing Sciences	Mid-Probationary
Alex Lubin	American Studies	Tenure & Promotion (early)
Debra Komar	Anthropology	Tenure & Promotion
Joe Watkins	Anthropology	Tenure & Promotion
David Tierney	Chemistry	Tenure & Promotion
Glenda Balas	Communication & Journalism	Tenure & Promotion
Mousumi Roy	Earth and Planetary Sciences	Tenure & Promotion
Greg Martin	English	Tenure & Promotion
Jennifer Denetdale	History	Tenure & Promotion
Gabriel Huerta	Mathematics & Statistics	Tenure & Promotion
Kelly Becker	Philosophy	Tenure & Promotion
Richard Hayes	Philosophy	Tenure & Promotion
Doug Fields	Physics & Astronomy	Tenure & Promotion
James (Jim) Thomas	Physics & Astronomy	Tenure & Promotion
Christopher Butler	Political Science	Tenure & Promotion
Sarah Erickson	Psychology	Tenure & Promotion
Andrew Schrank	Sociology	Tenure & Promotion
Tim Wadsworth	Sociology	Tenure & Promotion
Les Field	Anthropology	Promotion
John Oetzel	Communication & Journalism	Promotion
Wm. Gil Woodall	Communication & Journalism	Promotion
Janie Chermak	Economics	Promotion
Richard Santos	Economics	Promotion
Monica Cyrino	FLL	Promotion
Melissa Axelrod	Linguistics	Promotion
Aparna Huzurbazar	Mathematics & Statistics	Promotion
Todd Kapitula	Mathematics & Statistics	Promotion

TABLE 3 (Continued)

COLLEGE OF ARTS AND SCIENCES

PROMOTIONS, TENURE, MID-PROBATIONARY REVIEWS, NEW APPOINTMENTS, RESIGNATIONS AND RETIREMENTS

Resignations/Retirements (Effective AY 2006-07)

Basso, Keith	Anthropology
Bawden, Garth	Anthropology
Bogart, Dodd H.	Sociology
Brozik, James	Chemistry
Cadavid, Luis	Biology
Campana, Michael	Earth and Planetary Sciences
Efromovich, Sam	Mathematics and Statistics
Engen, John	Chemistry
Enke, Christie	Chemistry
Garcia, F. Chris	Political Science
Gassaway, Robert	Communication & Journalism
Gregory, Stephen	Physics & Astronomy
Hall, Bradford	Communication & Journalism
Hanson, Timothy	Mathematics and Statistics
Mitchell, Neil	Political Science
Niemczyk, Thomas M.	Chemistry
Okunor, Shiame	Africana Studies
Pugach, Noel H.	History
Ritchie, Elizabeth	Earth and Planetary Sciences
Robbins, Richard G.	History
Rubenstein, Jay	History
Salter-Kubatko, Laura	Mathematics and Statistics
Santley, Robert S.	Anthropology
Schrader, Ronald	Mathematics and Statistics
St. George, Arthur	Sociology
Steinberg, Stanly	Mathematics and Statistics
Useem, Bert	Sociology
Vogel, Kathryn G.	Biology
Watt, Richard	Chemistry
Young, Mary Jane	American Studies

TABLE 4

COLLEGE OF ARTS AND SCIENCES

A&S TRAVEL DISBURSEMENTS: 2006-2007

Department	General Allocations	Special Allocations
Africana Studies	$1,400	$0
American Studies	$5,400	$0
Anthropology	$20,800	$0
Biology	$31,200	$1,057
Center for Advanced Studies	$14,432	$0
Chemistry	$14,000	$0
Communication & Journalism	$14,000	$1,200
Earth and Planetary Sciences	$17,200	$0
Economics	$11,200	$400
English	$28,000	$286
Foreign Languages	$11,600	$1,335
Geography	$3,200	$0
History	$22,400	$498
Linguistics	$7,600	$300
Mathematics	$26,400	$0
Medieval Studies	$400	$563
Philosophy	$13,100	$900
Physics & Astronomy	$24,000	$0
Political Science	$12,000	$0
Psychology	$17,200	$0
Religious Studies	$2,600	$0
Sociology	$15,200	$0
Spanish & Portuguese	$13,200	$1,914
Speech and Hearing	$4,400	$0
Women Studies	$1,750	$0
	$332,682	$8,453

TABLE 5

COLLEGE OF ARTS AND SCIENCES

DISBURSEMENTS OF SPECIAL COLLEGE FUNDS: 2006-2007

Department	Special Allocations (a)
American Studies	$1,000
Biology	$1,000
Communication & Journalism	$1,605
Earth and Planetary Sciences	$400
English	$5,880
Feminist Research	$500
Foreign Languages	$1,648
History	$2,088
International Programs	$1,000
Medieval Studies	$619
Philosophy	$1,080
Physics & Astronomy	$3,000
Spanish & Portuguese	$1,900
Women Studies	$1,000
	$22,720

(a) Includes speakers' honoraria, support for conferences, publications

TABLE 6

COLLEGE OF ARTS AND SCIENCES

SUMMER SESSION ALLOCATIONS DATE: 2006-2007

Department	Final 2006 Figures Allocation	Percentage
African-American Studies	$15,300	1.85%
American Studies	$19,400	2.34%
Anthropology	$27,146	3.28%
Biology	$82,635	9.98%
Chemistry	$58,743	7.10%
Communication & Journalism	$52,800	6.38%
Earth and Planetary Sciences	$26,000	3.14%
Economics	$17,814	2.15%
English	$82,400	9.96%
Foreign Languages	$48,287	5.83%
Geography	$9,706	1.17%
History	$36,000	4.35%
International Programs	$0	0.00%
Linguistics	$6,600	0.80%
Mathematics	$113,887	13.76%
Natural Sciences	$0	0.00%
Philosophy	$21,000	2.54%
Physics & Astronomy	$30,972	3.74%
Political Science	$23,800	2.88%
Psychology	$48,940	5.91%
Religious Studies	$10,800	1.30%
Sociology	$37,105	4.48%
Spanish & Portuguese	$42,973	5.19%
Speech and Hearing	$4,000	0.48%
Women Studies	$11,350	1.37%
Total:	$827,658	100.00%

TABLE 7

COLLEGE OF ARTS AND SCIENCES

STANDING COMMITTEES II
GRADUATE AND UNDERGRADUATE COMMITTEES – 2006-07

A&S Graduate Committee

Department/Program	Member
American Studies	Alex Lubin
Anthropology	Sylvia Rodriguez
	Suzanne Oakdale
	Bruce Huckell
	Jane Lancaster
	Osbjorn Pearson
Biology	E. Sam Loker (Chair)
	Robert Miller
Chemistry	Richard Kemp (Chair)
	Steve Cabaniss
	Hua Guo
	Martin Kirk
	Patrick Mariano
Communication & Journalism	Karen Foss (Masters)
	Janet Cramer (PhD)
Earth & Planetary Sciences	Grant Meyer, (Co-Chair)
	Jane Selverstone, (Co-Chair)
Economics	Janie Chermak
	Jennifer Thatcher
	Alok Bohara
English	Jesse Aleman
Foreign Languages & Literature	Walter Putnam (Grad Dir)
	Warren Smith
	Joseph McAlhany
	Susanne Baackmann
	Pamela Cheek
Geography	Brad Cullen
History	Elizabeth Hutchison
Linguistics	Caroline Smith (Linguistics)
	Barbara Shaffer (Sign)
	Roseann Willink (Navajo)
Math/Statistics	Christina Pereyra
Philosophy	Kelly Becker
Physics & Astronomy	Carlton Caves

TABLE 7 (continued)

A&S Graduate Committee

Political Science	Timothy Krebs
	Bonnie Leigh Reifsteck
Psychology	Gordon Hodge
Sociology	John Roberts (Chair)
Spanish/Portuguese (Chair)	Rena Torres Cacoullos
	Miguel Lopez
	Kimberle Lopez
	Catherine Travis
Speech/Hearing Sciences	Barbara Rodriguez

A&S Undergraduate Committee – 2006-07

Department/Program	Member
American Studies	Rebecca Schrieber
Anthropology	Ann Ramenofsky
Biology	William T. Pockman
Chemistry	Cary Morrow
Communication & Journalism	Jan Schuetz (Communication)
	Dennis Herrick (Journalism)
Earth & Planetary Sciences	Gary Smith (Chair)
	Laura Crossey
	Stephen Huestis
	Michael Compana
	David Gutzler
	Maya Elrick
	Yemane Asmerom
Economics	Kate Krause
	Kristine Grimsrud
	Stuart Burness
English	Carolyn Woodward
Foreign Languages & Literature	Steven Bishop
Geography	Jerry Williams
History	Charlie Steen

TABLE 7 (continued)

A&S Undergraduate Committee – 2006-07

Linguistics	Caroline Smith (Linguistics)
	Barbara Shaffer (Sign)
	Roseann Willink (Navajo)
Math/Statistics	Michael Nakamaye
Philosophy	Mary Domski
Physics & Astronomy	Richard Rand
	Daniel Finley
Political Science	Peter Kierst
Psychology	Steve Gangestad
Religious Studies	Daniel Wolne
Sociology	George Huaco (Chair)
	Karen Majors
Spanish/Portuguese	Kathryn McKnight (Chair)
	Marla Delores Gonzales
	Alejandra Balestra
	Leila M. Lehnen
	Miguel A. Estrada
Speech/Hearing Sciences	Phyllis Palmer
	Amy Neel
Women Studies	Joyce Bell

TABLE 8
College of Arts & Sciences
Degrees Awarded
1997-98 to 2006-07 Academic Years

			Advanced Degrees							
	Bachelors Degress		Masters		Doctoral		Total Advanced Degrees		All Degrees Combined	
Year	Number of Awards	% Increase over Previous Year	Number of Awards	Increase over Previous Year	Number of Awards	Increase over Previous Year	Number of Awards	Increase over Previous Year	Number of Awards	Increase over Previous Year
1997-98	1,066	0.00%	230	0.00%	84	0.00%	314	0.00%	1,380	0.00%
1998-99	1,104	3.56%	211	-8.26%	104	23.81%	315	0.32%	1,419	2.83%
1999-00	1,094	-0.91%	207	-1.90%	88	-15.38%	295	-6.35%	1,389	-2.11%
2000-01	972	-11.15%	221	6.76%	94	6.82%	315	6.78%	1,287	-7.34%
2001-02	973	0.10%	175	-20.81%	113	20.21%	288	-8.57%	1,261	-2.02%
2002-03	1,160	19.22%	228	30.29%	80	-29.20%	308	6.94%	1,468	16.42%
2003-04	1,310	12.93%	211	-7.46%	120	50.00%	331	7.47%	1,641	11.78%
2004-05	1,179	-10.00%	231	9.48%	106	-11.67%	337	1.81%	1,516	-7.62%
2005-06	1,241	5.26%	202	-12.55%	113	6.60%	315	-6.53%	1,556	2.64%
2006-07	1,304	5.08%	222	9.90%	96	-1.50%	318	0.10%	1,622	4.24%
10-year Change	238	22.33%	(8)	-3.48%	12	14.29%	4	1.27%	242	17.54%

Source: Deggrant database
Office of Institutional Research
Mark Chisholm 2/2008

TABLE 9
College of Arts & Sciences
Degrees Awarded by Department 2006-2007

Department	Bachelors	Masters	Doctoral	Total
African American Studies	1			1
American Studies	12	7	8	27
Anthropology Department	47	18	8	73
Biology Department	165	4	21	190
Chemistry Department	24	5	14	43
Communication Journalism	138	10	5	153
Earth and Planetary Sciences Dept	20	11	3	34
Economics	40	12		52
English Department	106	17	3	126
Foreign Languages Literatures	23	10	1	34
Geography Department	7	10	0	17
History Department	67	9	7	83
Linguistics	25	1	1	27
Mathematics & Statistics	35	20	5	60
Philosophy Department	14	1	1	16
Physics & Astronomy	7	5	7	19
Political Science Department	81	7	3	91
Psychology Department	209	10	3	222
Religious Studies Prgm	11	0	0	11
Sociology Department	162	10		172
Spanish Portuguese	30	15	5	50
Speech and Hearing Sciences	25	20		45
Womens Studies	1			1
Other Programs (Interdisciplinary)*				
Art	3			3
Asian Studies	7			7
Biochemistry	24			24
Economics-Philosophy	2			2
English-Philosophy	6			6
European Studies	4			4
Latin American Studies	8	20	1	29
Native American Studies	n/a			0
Total	1,304	222	96	1,622

Source:
Deggrant database
Office of Institutional Research
Mark Chisholm 2/2008

TABLE 10

COLLEGE OF ARTS AND SCIENCES

FTE BUDGETED FACULTY: 2006-2007

Department	Regular Faculty	GA/TA
African American Studies	2.50	0.25
American Studies	6.75	4.00
Anthropology	22.11	8.25
Arts & Sciences	1.85	0.00
DIC	61.55	31.50
Biology	36.32	22.22
Chemistry	18.70	16.00
Communication & Journalism	18.32	8.50
Earth and Planetary Sciences	18.94	7.25
Economics	13.50	7.25
English	39.10	0.00
Foreign Languages	15.16	7.75
Geography	4.50	1.50
History	26.21	12.50
LLC	0.00	0.00
Linguistics	11.49	2.50
Mathematics	38.30	23.00
Maxwell	1.42	0.00
Medieval Studies Institute	0.49	0.25
Philosophy	11.51	4.70
Physics	28.97	13.25
Political Science	15.45	7.00
Psychology	20.06	13.00
Religious Studies	2.50	1.00
Sociology	16.76	7.00
Spanish & Portuguese	15.37	18.50
Speech and Hearing	5.50	2.00
Women's Studies	0.00	1.00
	453.33	220.17

Data Source: College of Arts and Sciences Instructional Budget, 2006-07

TABLE 11
College of Arts and Sciences
NEW RESEARCH AND TRAINING GRANTS: 2006-2007
(tenure track and research faculty)

Department	Amount	# of Faculty	# of Grants
Anthropology	$497,995	9	9
Arts and Sciences	$25,000	1	1
Biology	$12,600,995	33	103
Center for Advanced Studies	$1,155,624	4	12
Chemistry	$2,071,177	11	25
Contract Archeology	$800,717	2	22
Earth & Planetary Sciences	$2,749,823	17	38
Earth Data Analysis Center	$1,400,122	5	14
Economics	$410,884	5	10
English	$2,000	1	1
Foreign Languages and Literature	$5,500	1	1
Geography	$39,500	1	1
History	$62,000	1	2
Institute for Public Policy/Political Science	$435,164	5	13
Institute for Social Research/Sociology	$523,516	5	16
Linguistics	$99,292	1	1
Mathematics	$1,902,094	10	14
Maxwell Museum	$84,659	1	2
Meteoritics	$1,854,252	5	15
Philosophy	$126,654	1	1
Physics	$3,508,990	13	27
Psychology	$1,028,917	10	12
Religious Studies	$992,964	1	3
Speech and Hearing Sciences	$186,612	3	3
Total	$32,564,451	146	346

APPENDIX 1

COLLEGE OF ARTS AND SCIENCES
BY-LAWS OF THE COLLEGE

By-Laws of the College of Arts and Sciences
University of New Mexico
2004 Revision

Preamble

The College of Arts and Sciences is the largest College at UNM and incorporates the most diverse array of disciplines. It enrolls more students and includes more majors than any other division of the University. All UNM undergraduates take numerous courses within the College as it is the repository for the core curriculum. Thus the College of Arts and Sciences occupies a primary place in the education of UNM students. The mission of the College is to create new knowledge, 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.

Because of the great breadth of humanities, social science, and natural science disciplines encompassed by the College, it has traditionally featured an unusually high degree of cooperation and understanding among the constituent departments, Deans who have an integrative and synthetic vision, and a long-standing commitment to the principle of shared governance. The following By-Laws provide a detailed guide to the supradepartmental organization and operation of the College, the duties and responsibilities of the Dean, and the mechanisms by which the Dean and A&S faculty act cooperatively to fulfill the missions of the College.

I. The Office of the Dean

1. Authority

The authority of the Dean derives from the Board of Regents, the President of the University, the Provost, and the Faculty of the College, each acting within its lawful authority.

2. College By-Laws and the Faculty Handbook

a. The College By-Laws amplify and complement the UNM *Faculty Handbook.* None of the By-Laws shall be interpreted as revising or contradicting the provisions of the *Handbook.*

b. The appointment, term of office, functions, and periodic review of the Dean are described in the *Handbook*, Sections A51 (Article III) and C35. The duties of the Dean in connection with faculty reviews and the appointment and review of departmental chairpersons are specified in the *Handbook*, Sections B4.3.2, B4.9.4-7, B5.6, and C40.

3. Other Duties

In addition to the duties prescribed by the *Faculty Handbook* (see article I.2 above), the Dean shall have the following responsibilities:

a. To provide educational leadership and set high standards for the College's instructional and research programs;
b. To promote the academic quality and welfare of the College's faculty, through the authorization of new faculty positions, the diversification of the faculty, oversight of faculty development and review, and recommendations to the Provost concerning faculty reappointment, promotion and tenure, and special honors;
c. To represent the College in its relations with the central administration, other colleges and units within the University, the student body, and public, and to advocate for the resources necessary to fulfill the College's mission;
d. To exercise control over the internal budget of the College, allocating and reallocating faculty and staff lines, graduate assistantships, and other resources;
e. To review and assess the quality of the College's departmentalized and non-departmentalized units, their effectiveness in clarifying, developing, and achieving their missions, and their participation in the College's mission; and to use these assessments as the bases for budget decisions and decisions affecting the units' instructional programs;
f. To promote and maintain shared governance within the College concerning policies and resources, by consulting regularly with the departmental executive officers and the Faculty of the College, either directly or through their representative bodies;
g. To select, assign responsibilities to, and evaluate the Associate Deans;
h. To determine and oversee collegiate administrative structure and activities, including the associate deanships and the necessary nonacademic staff;
i. To oversee and promote external fundraising and the acquisition of grants and contracts in support of the College's instructional and research programs; and
j. To facilitate conflict resolution by addressing conflicts as they arise and working to resolve them expeditiously according to established policies and procedures.

4. Selection

a. *Search.* When a vacancy occurs in the deanship of the College, the Provost oversees a search for a new dean. After consultation with the Faculty and the Chairs of Departments in the College and other such persons as the Provost shall see fit, the Provost shall appoint a search committee. The search committee shall be diverse and broadly representative of the faculty in the College. The faculty component of the committee shall constitute a majority of the voting members of the committee and shall be chosen from a list of nominees provided by the Council of Chairs. The committee shall be chaired by a person who holds a faculty appointment in the University. The committee shall include representatives of the student body and the College's non-academic staff; it may also include other members designated by the Provost.
b. *Appointment.* The committee shall be consulted in connection with the drafting of the job description. The committee shall assess applications for the deanship and recommend candidates to be interviewed for the position. The Provost shall select finalists from the search committee's list, and may add finalists from the pool of qualified applicants whose names do not appear on the list. The committee shall participate in campus interviews and shall ascertain and transmit to the Provost the assessments by faculty, staff and students regarding the short list of candidates being considered. The committee shall make recommendations to the Provost concerning the offer of the appointment.

II. Associate Deans

The College Professional staff at present includes three Associate Deans:

The Associate Dean for Faculty is responsible for matters involving faculty hiring, tenure and promotion, annual reviews and other personnel deliberations, as well as oversight of the College's interdisciplinary programs and museums as appropriate.

The Associate Dean for Curriculum and Instruction is responsible for advising, student complaints and grievances, and advising the Dean concerning all matters involving curriculum and instruction, including summer session and part-time budgets.

The Associate Dean for Research is responsible for approving research proposals, especially compliance issues and cost-share, encouraging the sponsored research of all units in the College, and coordinating with the Office of the Vice President for Research, the Research Cabinet and Category 3 Research Centers, as well as oversight of interdisciplinary research centers in the College as appropriate.

Normally one of the 3 Associate Deans will also carry the title of Senior Associate Dean with responsibilities for serving as Acting Dean in the Dean's absence.

The Senior Associate Dean and the Associate Dean for Faculty must have the rank of Professor; the other Associate Deans may come from the ranks of tenured Associate Professors or Professors. The Associate Deans do not participate in promotion and tenure decisions or votes at the departmental level. The Associate Dean for Faculty reads and makes recommendations to the Dean on all promotion and tenure decisions in the College. At the Dean's discretion, normally in cases with divided votes, the other Associate Deans may be asked to make recommendations to the Dean as well, except that an Associate Dean holding the rank of Associate Professor shall not participate in reviews of candidates for promotion to full professor.

When a vacancy occurs the Dean circulates an open call for nominations and applications among the tenured faculty of the College. The Dean, other Associate Deans, College Development Officer, and College Administrator constitute the search and hiring committee.

III. The Faculty and the Faculty Assembly

1. The Faculty

In keeping with section A51, article 1, of the *Faculty Handbook*, the faculty of the College of Arts and Sciences includes all professors, associate professors, assistant professors, instructors, and lecturers, including part-time temporary faculty.

2. The Voting Faculty

In keeping with section A51, article 1, of the *Faculty Handbook*, the voting faculty of the College of Arts and Sciences shall include all full-time, continuing members of the faculty: instructors, lecturers, and assistant, associate, and full professors. All tenure-track and tenured faculty, regardless of FTE, will be voting members of the College faculty. Research professors, faculty on temporary or interim appointments (such as visiting professors) and non-tenure-track faculty on part-time appointments are not voting members of the College faculty. Voting rights at the departmental level are established by the faculty of the department according to Article II, Sec. 2 of the Faculty Constitution.

3. The Faculty Assembly

a. *Membership.* The Faculty Assembly comprises all members of the College faculty, as defined in article II.1 above. All faculty of the College may attend and comment in the Faculty Assembly, but only voting members, as defined in article II.2 above, may participate in formal votes. A quorum for the purposes of voting requires the attendance of at least 20% of the voting faculty.

b. *Meetings.* In keeping with section A51, article III.3c, of the *Faculty Handbook*, the Dean of the College of Arts and Sciences is the presiding officer of the Faculty Assembly. The College faculty delegates to the Dean, the authority to determine the number and timing of Assembly meetings. However, a special meeting may be called in writing by at least ten members of the voting faculty. In that case, the Dean will convene a meeting within three weeks of receiving the call. Except in the case of emergency meetings, the agenda shall be circulated at least five days in advance of the meeting.

c. *Duties.* The duties of the Faculty Assembly are to establish rules for the conduct of its business; to receive and respond to reports or recommendations of the Dean and College Committees; to identify topics about which the Dean or College Committees shall report back to the Assembly with information or recommendations; and to consider amendments to the College By-Laws.

IV. Committees

Some committees are established by authority of the *Faculty Handbook* and some by the authority of the College By-Laws.

1. Standing Committees

a. Chairs Council

The Chairs Council comprises the Dean, the Associate Deans, the Chairs of all departments, and the Directors of those programs, museums, and institutes with independent budgets in the College. (At present, these include the Maxwell Museum, the Museum of Southwestern Biology, the Institute of Meteoritics, African American Studies, American Indian Research Institute, Center for Advances Studies, Consortium of the Americas for Interdisciplinary Science, Earth Data Analysis Center, Feminist Research Institute, Institute for Medieval Studies, International Studies Institute, Latin American Studies, Peace Studies, Religious Studies, and Women Studies.

The Chairs Council meets at least once a month during the academic year and can meet more frequently if there is sufficient business and during the summer if there are urgent matters. It also has a full-day retreat in August just before the academic year begins. The Dean chairs the meetings. The agenda is set by the Dean, but individual Chairs or groups of Chairs can also submit items for Council discussion or action.

The duties of the Chairs Council are to share information about developments in the College; to serve as a forum in which the Dean and Associate Deans can get advice about key issues; to serve as a major

deliberative forum for issues involving College policy including, but not limited to, selection of the Dean, planning, budget, hiring, tenure and promotion practices, and development.

b. Senior Promotion Committee

Function. The Senior Promotion Committee (SPC) reviews the dossiers of faculty advanced by their departments for consideration for promotion from Associate to full Professor, and reports its recommendations regarding each candidate to the Dean. These recommendations are reviewed by the Dean in formulating his/her decision on the case, and are forwarded to higher administrative levels together with the Dean's decision. Following the policy for more complete post-tenure reviews defined in section B4.9.7 of the *Faculty Handbook*, the Dean will seek a recommendation from the Senior Promotion Committee on cases where serious deficiencies appear to persist in a faculty member's performance after a reasonable period of time for improvement. Should the Dean conclude that the case warrants informing the Provost, the dossier submitted to the Provost will include the recommendations of the Senior Promotion Committee. Prior to sending his/her recommendations on tenure and promotion or post-tenure review to the Provost, the Dean will inform the Committee Chair about the decisions.

Membership. The SPC consists of nine members of the College faculty having the rank of full Professor. Members are appointed by the Dean each year, following consultation with departmental Chairs. Each chair is responsible for nominating at least one potential member of the SPC each year. The precise nomination processes used are determined at the departmental level, but should include appropriate consultation with departmental faculty. Committee member terms are generally for two years and are staggered, in order to allow continuity from year to year. Members will be chosen by the Dean in order to provide new members as well as continuity from the previous year, and in order to reflect a broad range of departments and disciplines within the College. The Chair of the SPC is appointed by the Dean.

Process. The SPC typically has an organizational meeting late in the Fall semester, when information is available regarding which A&S faculty are being advanced for promotion to full Professor. At this meeting, the Dean and Associate Dean for Faculty discuss the Committee's charge and review the criteria for promotion specified in the *Faculty Handbook.* Promotion candidates are assigned to committee members so that each candidate is reviewed especially thoroughly by two members.

After the candidate dossiers are complete in early January, each committee member reads all of the dossiers, provides a detailed written summary of

the record of each candidate assigned to him/her for thorough review, and leads the discussion of those candidates before the committee in a second meeting (usually in late January). At this second meeting, each candidate's record and qualifications for promotion are discussed thoroughly. Any committee member from the same department as a given candidate recuses him or herself from the work of the committee: they leave the room during discussion of that candidate and make no recommendation regarding promotion. Within a week after this meeting, each committee member fills out the standard A&S promotion evaluation form for each candidate, recommending for or against promotion, and returns these to the committee Chair. The Chair summarizes the Committee's recommendations for each candidate in a report to the Dean, and the individual evaluation forms are forwarded together with the committee Chair's report to the Dean.

c. *Junior Promotion and Tenure Committee*

Function. The Junior Promotion and Tenure Committee (JPTC) reviews the dossiers of faculty advanced by their departments for consideration for tenure and for promotion from Assistant to Associate Professor and faculty advanced for mid-probationary review, and reports its recommendations regarding each candidate to the Dean. These recommendations are reviewed by the Dean in formulating his/her recommendations, and are forwarded to higher administrative levels together with the Dean's recommendation. Prior to sending his/her recommendations on tenure, promotion, and mid-probationary reviews to the Provost, the Dean will inform the Committee Chair about the decisions.

Membership. The JPTC consists of nine members of the College faculty having tenure and the rank of Associate or full Professor. Members are appointed by the Dean each year, following consultation with departmental Chairs. Each chair is responsible for nominating at least one potential member of the JPTC each year. The precise nomination processes used are determined at the departmental level, but should include appropriate consultation with departmental faculty. Committee member terms are generally for two years and are staggered, in order to allow continuity from year to year. Members will be chosen by the Dean in order to provide new members as well as continuity from the previous year, and in order to reflect a broad range of departments and disciplines within the College. The Chair of the JPTC is appointed by the Dean.

Process. The JPTC typically has an organizational meeting late in the Fall semester, when information is available regarding which A&S faculty are being advanced for promotion and tenure and for mid-probationary review. At this meeting, the Dean and Associate Dean for Faculty discuss

the Committee's charge and review the criteria for promotion specified in the *Faculty Handbook*. Promotion and mid-probationary candidates are assigned to committee members so that each candidate is reviewed especially thoroughly by two members.

After the candidate dossiers are complete in early January, each committee member reads all of the dossiers, provides a detailed written summary of the record of each candidate assigned to him/her for thorough review, and leads the discussion of those candidates before the committee in a second meeting (usually in late January). At this second meeting, each candidate's record and qualifications are discussed thoroughly. Any committee member from the same department as a given candidate recuses him or herself from the work of the committee: they leave the room during discussion of that candidate and make no recommendation. Within a week after this meeting, each committee member fills out the standard A&S promotion evaluation form for each candidate, recommending for or against tenure and promotion, and returns these to the committee Chair. The Chair summarizes the Committee's recommendations for each candidate in a report to the Dean, and the individual evaluation forms are forwarded together with the committee Chair's report to the Dean. A similar process is conducted for mid-probationary review candidates in February and the results are forwarded to the Dean.

d. Sabbatical Leave Committee

The Sabbatical Leave Committee is appointed yearly by the Associate Dean for Faculty, who chairs the Committee. The Committee consists of three tenured faculty, one each from the Humanities, Social Sciences, and Sciences. The Committee meets each semester and reviews and recommends sabbatical leave requests to the Dean. The Committee may ask candidates to clarify or strengthen requests as appropriate before making a recommendation to the Dean.

e. Undergraduate Committee

Function. The Arts and Sciences Undergraduate Committee (ASUC) is made up of representatives of the undergraduate units within the College. The overall role of ASUC is to advise the Dean on all matters pertaining to undergraduate programs and undergraduate units within the college, and to provide a link between the Faculty Senate Curriculum Committee and decision-making in the College regarding undergraduate programs.

ASUC will not duplicate the governance work of the Faculty Senate Curriculum Committee, but will maximize less formal communication and dialogue regarding the improvement of undergraduate education within the College and the development of new undergraduate programs.

ASUC's purview will include, but not be limited to, identifying, addressing, and troubleshooting problems in undergraduate education that transcend any single department; advising the College in its efforts to support departmental recruitment and retention of minority undergraduate students; advising the Dean regarding proposals for new undergraduate programs and changes in existing programs; recommending improvements in college student advising processes; and following up on issues which surface from unit reviews involving undergraduate programs.

Membership and Structure. The Chair of each undergraduate unit in the College will appoint a faculty member to the ASUC. Members are chosen under procedures defined by each department, which should include appropriate consultation with departmental faculty.

Operation. The ASUC will generally meet two times per semester. The Dean of Arts and Sciences will be asked to attend one meeting per year. At other times, the ASUC will be presumed to have access to the Dean and Associate Deans as appropriate for ongoing consultation. These Deans will offer staff support for such areas as scheduling meetings, arranging meeting space, coordinating with the Faculty Senate Curriculum Committee, taking minutes, etc. Meetings of the ASUC will be convened by the Associate Dean for Curriculum and Instruction. Ten members will constitute a quorum.

f. Graduate Committee

Function. The Arts and Sciences Graduate Committee (ASGC) is made up of representatives of the graduate units within the College. The overall role of ASGC is to advise the Dean on all matters pertaining to graduate programs and graduate units within the College; to coordinate with the Dean of Graduate Studies on all matters affecting graduate programs within Arts and Sciences; and to provide a link between the Faculty Senate Graduate Committee and decision-making in the College regarding graduate programs.

ASGC will not duplicate the governance work of the Faculty Senate Graduate Committee, but will maximize less formal communication and dialogue regarding the improvement of graduate education within the College and the development of new graduate programs. ASGC's purview will include, but not be limited to, identifying, addressing, and troubleshooting problems in graduate education that transcend any single department; advising the College and the Office of Graduate Studies in their efforts to support departmental recruitment and retention of minority graduate students; advising the Dean regarding proposals for new graduate programs and changes in existing programs within the College; and following up on issues which surface from unit reviews involving graduate

programs, and carrying any concerns regarding graduate education within the College to the Faculty Senate Graduate Committee and the Dean of Graduate Studies, as appropriate.

Membership and Structure. The Chairperson of each graduate unit in the College will appoint a faculty member to the ASGC. This will ordinarily be that unit's Director of Graduate Studies (or equivalent, for example Chair of Graduate Committee). The latter are chosen under procedures defined by each department, which should include appropriate consultation with departmental faculty.

Operation. The ASGC will generally meet two times per semester. The Dean of Arts and Sciences and the Dean of Graduate Studies will be asked to attend one meeting per year. At other times, the ASGC will be presumed to have access to both Deans and Associate Deans as appropriate for ongoing consultation. The deans will offer staff support for such areas as scheduling meetings, arranging meeting space, coordinating with the Faculty Senate Curriculum Committee, taking minutes, etc.

Meetings of the ASGC will be convened by the Associate Dean for Curriculum and Instruction. Ten members will constitute a quorum.

2. *Ad Hoc Committees*

The Dean has the authority to constitute and appoint ad hoc committees as needed. The following are the current (2004-05) ad hoc committees. This list will be amended yearly to reflect any changes in the committees or their structure.

a. *Gunter Starkey Teaching Awards Committee*

These awards recognize individuals who have made significant contributions to the College's teaching mission. Three faculty and two teaching assistants are selected each year. The Starkey Committee is convened each year in the spring by the Associate Dean for Faculty and comprises the previous year's winners of the award – both faculty and graduate students. The Committee reads applications from departments for faculty and graduate student awards and ranks the candidates. The final decision on the awards is made by the Dean.

b. *Regents' Professor and Regents' Lecturer Committee*

Regents' Professor is a special title bestowed on selected senior faculty members who in the judgment of the Dean on the advice of a faculty selection committee merit recognition of their accomplishments as teachers, scholars, and leaders both in university affairs and in their

national/international scholarly communities. There are three such awards and the term is three years. Regents' Lecturer is a special title bestowed on selected junior faculty members (Associate Professors) who in the judgment of the Dean on the advice of a faculty selection committee merit recognition for their scholarly, teaching and service accomplishments. There are eight such awards and the term is three years. As vacancies become available, the Regents' Professor and Regents' Lecturer Committees are convened by the Associate Dean for Faculty. Both committees are composed of previous awardees. The Committees read applications from departments for faculty and graduate student awards and rank the candidates. Applications are also reviewed and ranked by the Associate Deans. The final decision on the selections is made by the Dean.

c. Distinguished Professor Nominations

Following University guidelines for appointment of Distinguished Professors, once a department has agreed to support a distinguished professor nomination, and the Deputy Provost has reviewed the materials and conducted the Provost level evaluation, the Dean will be contacted for a recommendation on the candidates. The Dean will constitute a committee of current Regents' Professors, College Distinguished Professors and the Associate Deans to review and make recommendations to the Dean on candidates for this title. The Dean will report the results of the review and provide his/her recommendation to the Deputy Provost.

d. Educational Properties Committee

This Committee collects information on UNM properties generally located outside Albuquerque that have been, or could be, utilized by College departments or programs for their teaching, research, and outreach activities. The Committee advises the Dean on issues involving the acquisition, use, management, development, and disposition of such educational properties. The committee is composed of faculty from departments with interests in the properties. Members are appointed by the Dean for renewable yearly terms, and the Chair is selected by the Dean.

V. Procedure for Electing Faculty Senators

Representation. The *Faculty Handbook*, section A51, article 1.6a, states that "There shall be one senator for each thirty full-time faculty members or major fraction thereof from each school [and] college...elected by the members of that faculty." Currently, each of the 13 A&S Faculty Senators represents 27 A&S faculty. A&S members of the Faculty Senate are determined by proportional representation based on departments or small groups of departments, as follows:

Physics and Astronomy: 1 Senator
History: 1 Senator
Anthropology: 1 Senator
Foreign Languages and Spanish & Portuguese: 1 Senator
Linguistics, Speech/Hearing, and American Studies: 1 Senator
Economics and Philosophy: 1 Senator
English and Communication & Journalism: 2 Senators
Biology and Earth & Planetary Sciences: 2 Senators
Mathematics & Statistics and Chemistry: 1 Senator
Sociology, Political Science: 1 Senator
Psychology and Geography: 1 Senator

Because it is possible that the number of faculty members within departments may change across time, and that adjustments in Senate representation may be needed in the future to maintain proper proportional representation, the Associate Dean for Faculty will monitor numbers of faculty in each department or departmental group once every two years to determine if any changes are needed in the composition of departmental groups or in allocation of Senators to the above groups.

Election. Chairs of each department or departmental group will be notified by the Associate Dean for Faculty when it is time for their department or group to hold an election for the Senate. Departmental groups should coordinate election of their representative(s), according to a process agreeable to all the departments within the group. Each group is also responsible for electing an alternate representative. Chairs will report the selection of their Senate representative(s) to the Associate Dean for Faculty promptly, who will then notify the University Secretary. These results shall be provided by the last working day of the sixth week of the Spring semester.

Terms for senators are two years. Initially, to establish a rotation, for departmental groups represented by two senators, the term of one senator will be one year and of the other, two years. Thereafter, all terms are for two years.

As current A&S representation is "at large" within the College, implementation of proportional departmental representation will be phased in as the terms of present Senators end, so that by the end of the two-year terms of Senators currently in the first year of their term, the proportional representation outlined in the section on Representation above is achieved.

Caucus. The College Senators may elect to organize themselves as a caucus in the College to provide information and advice to the Dean and Chairs Council on Faculty Senate matters of interest to the College.

VI. Approval and Amendment of By-Laws

1. Approval

A mail or electronic ballot with a copy of the By-Laws document shall be sent to the voting faculty of the College. Upon approval by a majority of those who cast ballots and by the Dean, these shall become the permanent By-Laws of the College.

2. Amendment

The Dean shall review and consider amending the College By-Laws at least once every seven years. Amendments may be proposed at any time by ten voting members of the Faculty Assembly, or by the Dean. Amendments shall be transmitted to the Faculty Assembly at least ten days before the scheduled vote takes place, and discussed at a Faculty Assembly meeting before the vote. Ratification of amendments shall require the approval of a majority of the voting faculty of the College who cast ballots. If approved, amendments shall become effective at the beginning of the next academic semester.

In those areas which the College By-Laws entrust to the discretion of the Dean, the By-Laws may, without a faculty vote, be revised to reflect changes in the College administrative structure. Such areas include the creation or dissolution of Ad Hoc Committees and the redefinition of the titles, qualifications, and duties of the Associate Deans and other administrators. Such changes should, however, be made only after consultation with the Chairs Council.

The University of New Mexico

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ANNUAL REPORT
Africana Studies Program
July 2006 – June 2007

Submitted by: Finnie D. Coleman, Director

1. Significant Developments:

This was a very active year for Africana Studies for teaching and service to the UNM academic community.

Study Abroad – In July 2006 we initiated a new Study Abroad Program that explores the "North / South" axis of the Black Presence in the Americas. We traveled to Mexico and visited Afromestizo villages, studied Olmec culture and civilization, and explored Spanish colonialism and slavery in contrast with its English counterpart. We also visited numerous museums and points of interest in the State of Veracruz.

Fulbright Scholars – From August to May of 2006 we were fortunate to have the services of two Fulbright Scholars (Sagrario Cruz (Mexico) and Radi Mustafa (Egypt). These scholars significantly impacted our teaching for the academic year and contributed much to the cultural mix of the program.

Curriculum – In Fall 2006, the Africana Studies Program significantly revised its curriculum for both the Bachelors degree and Minor degree in Africana Studies. This curriculum revision shifted the particular focus of the program from the exclusive study of the African American community to a more global focus on the various communities that constitute the Black or African Diaspora.

Legislature – The 2007 Legislative Session was extremely important to the program's future. Legislators from both the Republican and Democratic parties submitted bills totaling $1,030,000. These funding requests yielded $30,000 in recurring funds for a Summer Bridge Program and $125,000 of non-recurring funding to support the acquisition of the Black Panther Party Archives. We also received more than $70,000 for converting the Charlie Morrisey Research Hall (CMRH) into a distance learning facility. The attention gained during the session played an important role in the Program being selected as one of the University's 21 legislative priorities for the 2008 Legislative Session. Africana Studies also continues to support the Robotics Management Learning Systems project run through the

African American Performing Arts Center.

Black History Month – Support for Black History Month came directly from the President's Office in 2007. This unprecedented support allowed the program to offer a variety of activities to the UNM and local communities. Chief of these were visits to campus by entrepreneur Wally Amos and entertainer and activist Harry Belafonte.

Black Presence in Mexico Exhibit – The year culminated in a very successful exhibit of photos taken during the Black Presence in Mexico Study Abroad project. These photos were displayed in the Student Union Building. Traffic for this exhibit totaled more than 90,000. In the spring semester we also initiated the Black Presence in New Mexico Photo project.

2. **Significant Plans and Recommendations** – The coming academic year promises to be an exciting one for Africana Studies. Numerous interdependent plans are being developed. Three of the most significant of these are listed below:

Implementing Curriculum Revision – In Fall 2006, the Africana Studies Program will significantly revised its curriculum for both the Bachelors degree and Minor degree in Africana Studies. This year we will gradually and systematically implement these revisions.

Distance Learning Classroom – The Charlie Morrisey Research Hall (CMRH) will be converted into our campus' newest and perhaps most innovative distance learning facility. The room will be outfitted with equipment that will allow instructors to reach as many as 30,000 clients in real-time. The audiovisual system takes advantage of the very latest in mass communications software and high speed server support. The system will allow for real-time archiving and storage of existing media, all of which may be used on demand by the instructor.

Hiring Plan – Africana Studies anticipates receiving significant support from the State of New Mexico to establish a full-time faculty. In addition to outstanding 2.0 FTE that are forthcoming from the College, resources from the State would provide an additional 5.0 FTE. With these resources in hand, Africana Studies will embark upon an aggressive hiring plan that in the end may yield from 7 to 14 faculty members. This would mark unprecedented growth for the program and almost immediately position it as one of the stronger programs in the country.

Recommendations – As mentioned in previous Annual Reports, while the College of Liberal Arts has demonstrated its commitment to building a strong tenure-track faculty in Africana Studies, it is important to reiterate that these efforts address a pressing need for the campus at large: namely the glaring underrepresentation of Black faculty on our campus. Concomitantly, recognition and resolution of the problem of underrepresentation must not rest solely on the College of arts and Sciences. Nor can the capital and hiring outlays required for a robust program rest solely on the College.

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ANNUAL REPORT
Africana Studies Program
July 2006 – June 2007

Submitted by: Finnie D. Coleman, Director

The program is at a critical moment in its history, and the future is contingent upon the development of strong interdisciplinary ties that move beyond the College. As a result, other stakeholders on campus, beginning of course with the Office of President and the Provost, should at every turn be encouraged to become more vested in the development of the Africana Studies Program. Moreover, stakeholders should be encouraged to clearly state the level and nature of their support as well as the degree to which they are willing to share resources.

If the university's goal of fostering diversity and providing a welcoming environment for underrepresented students is to meet with success, resources must be directed towards the realization of a program that is more than an academic home, but that also serves as a cultural and intellectual bridge between UNM and the Black community at large.

3. **Appointments to Faculty/Staff** – None from July 2006 to June 2007

4. **Separations of Faculty/Staff** – Letha Allen, June 2007

5. **Publications** – None from July 2006 to June 2007

6. **Outside Professional Activities of Staff Members** – None from July 2006 to June 2007

7. **Outside Sponsored Research** – None from July 2006 to June 2007

ANNUAL REPORT OF THE DEPARTMENT OF AMERICAN STUDIES

COLLEGE OF ARTS AND SCIENCES

July 1, 2006 to June 30, 2007

A. Gabriel Meléndez, 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. This year, guided by department policy, the Merit Committee was convened in the spring to review faculty merit considerations. During the 2006-2007 year Professor A. Gabriel Meléndez served as Chair of the department, Alex Lubin served as Graduate Director and Rebecca Schreiber served as Undergraduate Director.

I. Significant Developments

This past year the Department was most deeply engaged in the following areas of work: 1) conducting two national searches for tenure-track joint-appointments, each concluding in successful faculty hires in the late spring, 2) carrying out faculty reviews as prescribed by the faculty handbook, 3) developing curriculum revisions at department retreats and regular faculty meetings and phasing in these revisions, 4) designing, developing and implementing an Outcomes Assessment Plan for American Studies courses in the Arts and Sciences core curriculum, and 5) gathering data for the National Research Council's 2006 Assessment of Research Doctorate Programs. Heeding the key recommendations of its 2003 external review, American Studies strives to increase in strength and distinction in marked areas of its graduate program. We see ourselves as moving to a position where the department is, "within striking distance of emerging in the top ten programs on a national level within the next five to ten years" (2003 External Review Report, 5). This year we look to the NRC 2006 Assessment of Research

Doctorate Programs as a means to independently confirm American Studies standing among interdisciplinary graduate programs in the nation. The strength of our program includes faculty-student diversity, the variety of their research interests and our location in Hispanic-serving UNM. Our marked areas of research and teaching in Southwest Studies and Critical Regionalism, Transnational American Studies, Globalization, Critical Race Theory, and Cultural Studies. Students have the opportunity to develop a comparative and interdisciplinary approach to historical, literary, visual, and ethnographic theory and methods. In our estimation, American Studies excels at fostering interdisciplinary research and at building student and intellectual diversity in its programs. We believe that our graduate programs enjoy distinction at the University of New Mexico.

1. Faculty Appointments

In 2006-2007 American Studies carried out two national searches for joint-appointments – one with Women Studies and the other with Chicano/Hispano/Mexicano Studies. Splitting FTE hires into .50 probationary hires represents a set of new interdepartmental collaborations for us that opens up new cross-disciplinary, cross-College terrain as well. The first of these positions fills a gap in Gender and Sexuality Studies that had existed at UNM for some time. In 2003, American Studies underwent a complete review of its programs. The external review committee's top recommendation was that "The campus should appoint a faculty member in sexuality studies, with expertise in queer theory." In our response we agreed with the external review team and endorsed the idea that we should have this area covered in our program and on the UNM campus. At the time we had already anticipated this area might best be covered as a joint hire with English, Comparative Literature, Women Studies, Sociology or Anthropology.

Our search this year led to the hire of Dr. Amy Brandzel (PhD University of Minnesota,

2006) for a position to be shared with Women Studies, a program in the College of Arts and Sciences. We have been fortunate in identifying a candidate whose work overlaps so well with our two programs. Brandzel brings interdisciplinary methodology in teaching and an expertise in gender-related topics to both units.

A second gap in our curriculum, involving our offerings in Southwest Studies, was also identified in 2003 and then widened with the retirement of Professor Jane Young in 2005. This circumstance led to a joint search with Chicano/Hispano/Mexicano Studies (CHMS) – an academic unit in the University College – for a faculty member to cover overlapping curricular needs in our respective programs. Our search led to the hire of Dr. Michael T. Trujillo (PhD University of Texas, 2005). Professor Trujillo brings interdisciplinary methodology to his teaching and research and is able to rotate duties, offering undergraduate courses when needed in our respective units, or by offering graduate-level coursework in American Studies. Dr. Trujillo's scholarly expertise is in Cultural Anthropology, Chicano/a Studies, trans-nationalism and border studies. His appointment promises to increase our strength in Southwest Studies by helping each unit to rethink its curriculum under the broadly conceived paradigm of a "new regionalism," and by making Southwest Studies more fully interdisciplinary through the inclusion of questions of trans-nationalism, border studies, and globalization.

2. Faculty Tenure and Promotion Reviews

In 2006-2007 American Studies conducted a review for tenure and promotion of Assistant Professor Alex Lubin. As is the case in a small department like American Studies, a great deal of time, energy and resources went into the review process.

3-5. During much of last year American Studies was engaged in implementing and advising students regarding changes made to our undergraduate major/minor and major/minor

concentration in Southwest Studies. Our work on Outcomes Assessment began in January of 2007 and continued into the fall, while data gathering and inputs to the NRC survey was done in the spring of the year.

II. Faculty Contributions

Assistant Professor Alyosha Goldstein

Professor Alyosha Goldstein assumed a tenure-track appointment in American Studies in the fall of 2005. From 2002 to 2004 he was a lecturer in our department. He was hired to the core faculty as an American Studies generalist with sub-specialty teaching and research interests in cultural studies, post-colonial theory and social movements.

Teaching:

- Offered one new course AM ST 180 "Introduction to American Studies," an introductory course jointly developed with other faculty as part of the department's revamped undergraduate major.
- Assigned to teach AM ST 500 "Proseminar" with Professor Amanda Cobb, the senior member of this teaching pair. This assignment places a senior and junior member of the faculty in the role of guiding the entering cohort of graduate students through the critical first year of study.
- Chaired one MA Comprehensive Exam committee in American Studies and was a member of an MA Thesis committee in Communications and Journalism.
- Directed an Undergraduate Honors Thesis.

Research:

- Completed "The 'Attributes of Political Sovereignty': The Cold War, Colonialism, and Community Education in Puerto Rico," a chapter-length article set to appear in an edited edition from Duke University Press in 2007.
- Co-edited (with Alex Lubin) a special issue of the journal *South Atlantic Quarterly* on settler colonialism.
- Awarded a $20,000 Dean's Summer Research Award to complete his book, *Worlds Within: Democracy, Poverty, and the Politics of Belonging*, on contract with Duke University Press.
- Made scholarly presentations at the American Studies Association annual meeting in Oakland, California in November 2006 and at the Organization of American Historians in Minneapolis in March 2007.

Service:

- Served on the search committee for the joint hire in Gender and Sexuality Studies between American Studies and Women Studies.

- Organized American Studies Lecture Series and worked to co-sponsor talks by three speakers.

Assistant Professor Jake Kosek

Professor Kosek was hired in the spring of 2004 as an Assistant Professor to teach in our Environment, Science and Technology field of study. His appointment was deferred to the fall of 2005 to allow him to complete a Ciriacy-Wantrup Post-Doctoral Fellowship in Natural Resource Studies at U.C. Berkeley over the 2004-2005 academic year. Professor Kosek came to American Studies as a promising scholar with research interests in nature and environmental and social policies.

Teaching:

- Taught half of a regular probationary teaching load this year.
- Taught AM ST 182, "Introduction to Environment, Science and Technology," a large-format introductory course.
- Taught AM ST 519 "Topics in Cultural Studies: Social Theory."
- Member of three PhD committees and directing two PhD dissertations.
- Chaired two MA theses, and directed one BA undergraduate thesis.

Research:

- Published, *Understories: The Political Life of Forests in Northern New Mexico* (Duke University Press, 2006).
- Submitted a RAC grant in the spring 2007 to fund a new research area titled, "The Cultural Politics of the Modern Bee."
- Presented, invited or referred talks as follows:
  --American Anthropology Association in Arlington in November,
  --Association of American Geographers in March,
  --Marxist Working Group at Pennsylvania State University in March and
  -- Department of Anthropology at the University of California at Santa Cruz in February.

Service:

- Supervised the department's media GA on web-site work and acted as the web-site coordinator.
- Served as a member of the search committee for a joint hire between American Studies and Chicano/Hispano/Mexicano Studies.
- Collaborated with the Undergraduate Director on a pilot assessment survey for AM ST 182.

Assistant Professor Rebecca Schreiber

Professor Rebecca Schreiber is an American Studies generalist with sub-specialties in

Popular Culture and Cultural Studies, two important teaching areas in our department. She also maintains a research interest in American trans-nationalism.

Teaching:

- Offered redesigned AM ST 385 "Theories and Methods of American Studies," an upper division methodology course for majors and minors in the fall semester.
- Member of seven PhD committees.
- Chaired two dissertation committees.
- Graduated one PhD student this year.
- Member of one MA thesis committee.
- Directed two senior undergraduate honors theses.

Research:

- Published two chapter-length articles: "Resort to Exile: Willard Motley's Postwar Writings on U.S. Tourism in Mexico," in 2006 and "Dislocations of Cold War Cultures, Exile, Transnationalism, and the Politics of Form" in 2007.
- On a trajectory to complete her book-manuscript, *The Cold War Culture of Political Exile: U.S. Artists and Writers in Mexico, 1940 – 1965.*

Service:

- Served as Undergraduate Director and has worked to promote the undergraduate major by participating in "senior" days and major fairs on campus.
- Point person for the department's Outcomes Assessment Plan.
- Served as President of Rocky Mountain American Studies Association.
- Invited to be a manuscript reader for Longman Publishers. These efforts signal a capacity to take on new service assignments for the good of her department and colleagues.

Associate Professor Alex Lubin

Professor Alex Lubin continues to teach in the area of Race, Class and Ethnicity in American Studies. He successfully went through a mid-probationary review in 2005-2006 and was reviewed for early tenure in 2006-2007. Professor Lubin was granted tenure in the spring of 2007 and promoted to Associate Professor. He served as Graduate Director in the department in 2006-2007. His complete dossier is on file and available for review.

Associate Professor Amanda Cobb

Professor Cobb was on an unpaid leave over the 2006-2007 year. She did however continue to serve as editor of the *American Indian Quarterly,* a publication of note affiliated with UNM and American Studies.

Professor Laura Gómez

Professor Gómez holds a PhD in Sociology and JD degree from Stanford University. She came to UNM in the fall of 2005 from the University of California at Los Angeles where she held a joint appointment in Sociology and the Law School. She holds a .25 FTE senior-rank appointment and teaches one course per year in American Studies in the area of Race and the Law. The remainder of her appointment is in the School of Law.

Teaching:

- Taught AM ST 350/550: "Race and the Law in American History and Contemporary Society," a course cross-listed with Political Science (POLS 300D) and Sociology (SOC 424).
- No report on her service on MA or PhD committees.

Research:

- Completed revisions to her book, *Manifest Destinies: The Making of the Mexican American Race,* which will be issued by New York University Press.

Service:

- Participated in the faculty governance of the department.

Professor Vera Norwood

Since April 2005 Professor Vera Norwood has served as Interim Dean of the College of Arts and Sciences. Despite her taxing schedule, Professor Norwood continues to advise and direct a limited number of graduate students in American Studies.

Professor Gabriel Meléndez

Professor Meléndez's teaching areas continue to be in Culture Studies, Race, Class and Ethnicity and Southwest Studies. He is currently serving a second term as Chair of American Studies and has held the rank of Professor of American Studies since 2002.

Teaching:

- Offered AM ST 560 "Seminar on the Southwest: A Critical Region," in the fall of 2006 and AM ST 508 "Cultural Autobiography," another well-established seminar that is sought after by graduate students across the university.
- Directed five PhD dissertations.
- Directed one MA thesis scheduled for completion in the summer of 2007.
- Served on two MA comprehensive exam committees.

- Graduated two PhD dissertation students and one MA student.
- Provided oversight and guidance to major revisions to American Studies graduate and undergraduate curriculum.

Research:

- Co-edited, *Volume VI: The Recovering the U.S. Hispanic Literary Heritage Project,* (Houston, 2006)
- Completed revisions on the chapter "Who are the 'salt of the earth? Competing Images of Mexican Americans in *Salt of the Earth* and *And Now, Miguel,*" in *Expressing Culture/Expressing Place: Nuevomexicana/o Creativity, Everyday Ritual, and Collective Remembrance,* this work is forthcoming from University of Arizona Press in 2007.
- Gave the following invited talks:

  --Guest Presenter, "Romaine Fielding's *The Rattlesnake: A Psychical Species,*" for The Center for the Southwest's Southwest Film Series, September 24, 2006.
  --Guest Presenter, "Ancestor Words: Recovering the Nuevomexicano Literary Legacy," for *Lasting Impressions: The Private Presses of New Mexico,* an educational project sponsored by the Office of the State Historian, Mesilla Cultural Center, La Mesilla, New Mexico, July 14, 2006.
  --Guest Panelist, "Hispano Literary Traditions in New Mexico," for *Lasting Impressions: The Private Presses of New Mexico,* an educational project sponsored by the Office of the State Historian, July 22, 2006.
  --Guest speaker, "New Mexico's Spanish Press and its Writers," La Vida Llena Retirement Community speaker series, Albuquerque, NM August 30, 2006.

Service:

- Attended to all policy and governance matters in to American Studies.
- Hiring officer for two joint appointment searches this year. Both national searches were concluded successfully and resulted in the hire of Dr. Amy Brandzel (AM ST/WS) and Dr. Michael Trujillo (AM ST/CHMS).
- Coordinated recruitment efforts that included a spousal faculty hire for Anthropology and Honors.
- Member of the Advisory Committee for the Interdisciplinary Film and Digital Media Project at UNM and, this spring, was appointed
- Co-Chaired the UNM Title V Faculty Advisory Board.

Professor Gerald Vizenor

Gerald Vizenor, Emeritus Professor of American Studies from the University of California at Berkeley, holds a .50 FTE senior-rank appointment in American Studies at UNM and is among the best-known and most widely published scholars in Native American literature in the country.

Teaching:

- Taught his full complement of courses in American Studies.
- Taught "The Atomic Bomb: Los Alamos to Hiroshima," in fall 2006.
- Taught a new graduate seminar titled "Narratives of Atrocity and Genocide."
- Taught a graduate seminar in English as an overload to his required teaching load.
- Served on six dissertation committees in American Studies.
- Directed one MA thesis.

Research:

- Published *Bear Island: The War at Sugar Point* (Minnesota, 2006),
- Published *Almost Ashore,* a poetry collection (Salt Press, Cambridge, England).
- Delivered invited talks as follows:
  --a special symposium lecture at the Smithsonian Museum of the American Indian in Washington
  --two international keynote addresses, one to the Swiss Association for North American Studies and one to the Austrian Association for American Studies at the University of Vienna.
- Served as series editor for the American Indian Literature and Critical Studies Series (University of Oklahoma Press)
- Served as editor for "Native Storiers" with Diana Glancy for the University of Nebraska Press.

Service:

- Active in policy-making in American Studies involving himself in work that is central to the well being of the department.
- Served as a faculty senator from A &S representing American Studies, Linguistics and Speech and Hearing Sciences.
- Member of the Senior Tenure and Promotions Committee for the College.
- Worked with the University of Geneva and the University of Claremont-Ferrand, France to facilitate student exchanges with UNM.
- Served on the editorial board for the North American Indian Prose Award, and the American Indian Lives, an autobiography series at University of Nebraska Press.

III. Department Administrator Contributions

Sandy Rodrigue completed her second year as Department Administrator in American Studies. During that time she oversaw the electronic approval of the undergraduate curriculum revisions. She also coordinated the department's implementation of the Banner Student/Academic modules. This included reviewing the course catalog course descriptions to ensure they met the standards that complied with the constrictions set by the Banner program.

She remained an important liaison between American Studies and other offices across campus including the Arts and Sciences Dean's Office and the Office of Graduate Studies. She coordinated our faculty searches in the department office.

IV. Strength of the Faculty

FTE in August of 2006 totaled a mere 7.00 FTE, a figure that includes one Associate Professor on unpaid leave for the year. Our hiring plan for 2006-2007 called for us to make two joint appointments of strategic importance to the Department. In the fall of 2007 faculty size will grow to 9.50 FTE, an historic high for American Studies at UNM. This increase will come from the addition of 1.00 FTE in joint-hire positions, a .50 FTE Lecturer II position and a 1.00 FTE represented by the return of Professor Vera Norwood to full-time teaching in the department. American Studies also maintains a list of UNM faculty who support its academic mission as Affiliated Faculty members. Affiliated Faculty serve on MA and PhD graduate committees or on faculty mid-probationary, tenure and promotion committees in American Studies. Currently, our Affiliated Faculty roster lists fourteen individuals in tenure track appointments in Arts and Sciences and Fine Arts.

V. Strength of the Curriculum

The curriculum of the Department of American Studies at the undergraduate and graduate level is academically sound and diverse. The scope of the Department's curriculum can be seen in the following overview:

	Fall, 2006	Spring, 2007	Summer, 2007	Totals
Undergraduate courses offered:	35	33	6	74
Graduate courses offered	8	6	0	14
Individual Problems Students[1]	29	35	6	70
Student Credit Hours:	2256	2234	369	4859

[1] Includes Undergraduate Problems, Individual Graduate Problems, Theses and Dissertation Hours.

In the spring of 2006, the Office of the Registrar reported that American Studies had 46 officially declared undergraduate majors. The number of graduate students in the program stood at 63. Five students completed requirements for the PhD in 2006-2007. The names of these students and titles of their dissertations follow: Cristina Durán, "Carnicerías, Panaderías, y Peluquerías: Re-Mexicanizing the Urban Landscapes of a Southwest City;" Todd Hanson, "Quantum Entanglements: Collaboration and Communication in a Scientific Community of Practice;" Katherine Lehman, "Whose Girl?: Representations of Single Women's Work and Sexuality in U.S. Television and Film, 1960-1980;" Michele Potter, " Searching for an Angle of Repose: Environmental Narratives of Questa and the Molycorp Mine;" and Elizabeth Swift, "Class, Taste and Empire in Reagan's America." Two students completed the requirements for the Master's by completing a thesis project: Andrew Bateman, "Shadows on the Sun: Sun Ra and the Politics of Performance" and John Paul Rangel, "Contemporary Native American (NDN) Art and Representation." Three students, Eric Castillo, Lacy Daniel, Pamela Gravagne, completed the requirements for the Master's under Plan II by completing a comprehensive examination. We awarded eleven Bachelor of Arts degrees at our May commencement.

The Department continues to enhance the visibility of its regular course offerings through cross-listing and other intra-department scheduling arrangements with other academic units on campus. In the 2006-2007 academic year American Studies maintained cooperative course scheduling arrangements with African-American Studies, Chicano Studies, English, Political Science, Women Studies and University College. Our joint-appointment hires, we believe, will knit us into more formal curriculum scheduling arrangements with Women Studies and Chicano/Hispano/Mexicano Studies.

In an increasingly competitive period of recruitment for graduate students, especially those from underrepresented groups, American Studies continues to attract a sizable pool of qualified applicants for the MA and PhD degrees. This year the department received 52 applications from students seeking admission to our graduate degree program. American Studies offered admission to 19 students. Eight new students accepted our offer, although one will defer enrollment until next academic year. Two students continued on from the MA to PhD studies. A total of 7 new graduate students will enter the program in the fall of 2007.

VI. Future Plans

At the request of the Dean of Arts and Sciences, American Studies produced three planning documents around the College-led initiatives on Success, Excellence and Distinction. These documents map out the short, mid, and long-range initiatives for our department.

American Studies continues the work of implementing a number of mid-range initiatives meant to enhance its undergraduate program over the course of the next three years. The overarching goal of our reforms would be to stimulate moderate to vigorous growth in the undergraduate major by increasing the number of majors by just over a third, going from the present number of 46 to 70 and by increasing the number of minors by half, from 30 to 60. We are not interested in growth for growth's sake but would like to establish a pace and rate of growth that bolsters our program while approximating the experience that undergraduate students receive at smaller liberal arts colleges as they course through the major. While we believe that some increase in numbers is a good thing, we also think that we will be most successful in transferring the "liberal arts effect" to our own undergraduate interdisciplinary studies majors and minors by maintaining an emphasis on quality over quantity. Thus, we are most interested in building a community of learners, rather than simply adding numbers to our

lists of majors and minors. Our goal is more specifically to transform our major and, to quite frankly, set it apart from others by having it offer students the excitement of building knowledge through the process of dynamic and vigorous group dialogue and exchange.

1. Building a Community of Undergraduate Learners through Interdisciplinary Studies

We believe that implementing the following ideas will produce the transformation we seek in our undergraduate major and speak to our vision of undergraduate education: a) develop learning through a service learning and civic engagement component, b) strengthen American Studies undergraduate honors, c) encourage a semester away and International/Transnational Study, d) revise the undergraduate curriculum, e) partner with Freshmen Living and Learning Communities, and f) publicize our undergraduate major.

The department continues its service learning work through the Building Community Partnerships Grant received from the American Studies Association in 2005. In 2006, ASA made a second, unprecedented grant to continue the program for another year. At the time of this award, ASA has notified us that this would be its final year of support. The College of Arts and Sciences provided matching funding in year one and two of this grant. Matching monies have supported both undergraduate and graduate students working as interns with the Office of the State Historian. American Studies has continued to partner with the Freshmen Learning Programs in University College. American Studies graduate students are also involved in teaching LLC seminars and in the Service Learning Program in University College. Finally, the department has more effectively publicized its undergraduate major and concentration by utilizing an updated web design and regularly distributing publicity materials.

2. Planning and Design of Graduate Curriculum

American Studies routinely reviews its graduate programs and curriculum to insure that these are up-to-date and clearly delivered to students. We anticipate that some major adjustments to the Graduate curriculum may come as a consequence of the hires made this year (referenced in section I). Changes, driven by the addition of new faculty interests and expertise, will be discussed and planned out at an upcoming department retreat.

American Studies Alumni Task Force

In the spring semester the Chair of American Studies created and made appointments to an advisory Alumni Task Force Committee charged with finding ways to improve communication, increase dialogue and spark program development for the mutual benefit of the Department and its alumna. The Task Force made up of 9 BA, MA or PhD graduates of our program developed a survey that was sent to all American Studies alumna listed by the UNM Alumni Office. The survey (returned in the summer of 2007) had the immediate effect of renewing lapsed communication in American Studies. Respondents provided a number of suggestions and ideas for fostering a continuing relationship with the Department and other alumna. Next year, the Task Force will reorganize itself into an Alumni group suited to encourage new initiatives in support of American Studies.

3. Hosting the National Meeting of the American Studies Association in 2008

The work of preparing to host the American Studies Association national meeting continued this past year. We see where ASA in Albuquerque will provide our department the opportunity to showcase the talent of our faculty and graduate students and the strength of our graduate programs. While this event is sure to bring us national attention, we would also anticipate that with such visibility will come the scrutiny of the association and ASA member institutions governing committees. Thus, it is crucial that we prepare and ready ourselves for

both welcomed recognition and healthy inquiry as to the status of our program. Alex Lubin has been appointed by ASA to chair the site committee for 2008 and will take the lead in developing and implementing a series of pre-conference workshops and meetings that model our curricula and faculty initiatives to American Studies programs in this country and abroad.

Graduate Student Recruitment and Support

The work of student recruitment and support continued throughout 2006-2007. No graduate program can expect to attract high caliber graduate students if it has not done the hard work that leads to high quality graduate training, a dynamic curriculum and intellectual vigor in the form of academic exchange with the best qualified and competitive faculty. Distinction of this sort must be ahead of recruiting students to the department. Still, no department can reasonably be asked to rise to distinction in graduate training without securing the kind of financial resources that will allow the department to compete with its comparable institutions. In our 2003 review we took time to check our financial aid packages to graduate students against those of peer institutions. At that time we declared that we wished to measure ourselves against the University of Minnesota's graduate program in American Studies: "Long-considered a top-tier AS program, we include Minnesota, as something of a "quality mark" the department would like to reach in the next five to seven years" (Self-Study, 7). It is clear that in the complex matter of establishing distinction a good portion of our attention must be focused on increasing graduate student support. We are committed to visiting our assignment of financial aid dollars and working with the College and with OGS to find creative ways to bundle financial offers so that they are both attractive and competitive inducements for students to come to our program. These cost-neutral initiatives will only go a short way to improving this situation. Substantial improvement, we believe, is through the allocation of new GA and TA lines to our department.

This past year American Studies continued to participate in the TA-export program in Arts and Sciences and currently has 3 graduate TAs teaching in English. It also has piloted several new large-format sections of its introductory courses. These courses, taught by core faculty and American Studies Teaching Assistants are a part of A & S "Initiatives for Success." This year we have monitored these sections, drawing on empirical cost-analysis data to measure them against our standard way of delivering the introductory sections.

This year the College of Arts and Sciences initiated a $5,000 graduate student recruitment fellowship. The award is meant to help A & S departments recruit students from traditionally underrepresented groups. In American Studies we identified two very promising candidates for this award; unfortunately we lost these students to other institutions with strong curricular programs in Ethnic or Borderlands studies. It is unclear whether this College initiative will continue beyond the current year. Our experience this year with our nominees is an anomaly since our overall record of recruiting underrepresented students is very good and, we believe, would be enhanced by continuing this program.

VII. American Studies Lecture Series/Commencement Speaker

The American Studies Lecture Series hosted three distinguished guest lecturers in 2006-2007.

1. 2006-2007 Lectures

Deborah Madsen
President, Swiss Association for North American Studies
Chair of American Literature and Culture
Department of English
University of Geneva

Dr. Madsen presented a talk entitled "From Survival to Survivance: Reading Trauma Theory through Native American Literature," which utilized Gerald Vizenor's notion of American Indian "survivance" as a means to rethink recent literature on historical trauma. Madsen is the author of a series of books addressing the rhetoric of American cultural

identity (through allegory, through American Exceptionalism, through Postmodernism and Postcolonialism) and is currently extending that work into the field of Transnationalism with a monograph about gender performativity and nationalism. (October 17, 2006)

Noenoe Silva
Associate Professor of Political Science & Hawaiian Language
University of Hawai'i at Manoa

Dr. Silva is a prominent Kanaka Maoli (Indigenous Hawai'ian) scholar and activist. In her presentation "Recovering Indigenous Women's Histories: The Case of Hawai'i," she spoke on methodology, knowledge production, and recovery work in Indigenous women's history. Her book "Aloha Betrayed: Native Hawaiian Resistance to American Colonialism" (Duke University Press, 2004) won the Baldridge prize for best book in history by a resident of Hawai'i for 2004. During 2006-2007 she was a Katrin H. Lamon Fellow and Resident Scholar at the School of American Research in Santa Fe working on a book manuscript entitled "Indigenous Hawaiian Political Thought." (November 13, 2006)

Charles Becknell
PhD, American Studies Department, University of New Mexico
Founder and former director of the UNM African-American Studies Program

Dr. Becknell spoke about his book "No Challenge, No Change," an account of his experiences growing up in a segregated New Mexico that aims to illuminate how racism continues to be an active force in our society. Dr. Becknell describes the purpose of his book as "designed to open up a window for others to look into and see what it was like growing up black in an atmosphere of racism and segregation in southeastern New Mexico.... My childhood was in part shaped and defined by the racial atmosphere that existed in our country at that time. How I saw the world, and how I tried to make sense of that world as I grew into adulthood, would be defined by my childhood experiences while growing up in Hobbs, New Mexico." (February 27, 2007)

2. 2007 Department Commencement Speaker

Mónica Torres, (PhD American Studies UNM, 2002) Torres is Assistant Professor, Director of Graduate Studies and Essay Editor for the literary journal, *Puerto del Sol* in the Department of English, New Mexico State University.

VIII. Appointments, Departures, Leaves, etc.

Assistant Professor, Amy Brandzel, PhD University of Minnesota, 2006, joint hire in American Studies and Women Studies in the area of gender and sexuality studies.

Assistant Professor, Michael Trujillo, PhD University of Texas, 2005, joint hire in American Studies and Chicano/Hispano/Mexicano Studies in the area of Southwest, Borderlands and Chicano/a Studies.

Lecturer II, Laura Hall, PhD University of California at Berkeley, .50 hire in American Studies.

Associate Professor, Amanda Cobb, away for the second of a two-year unpaid leave of absence.

Respectfully submitted,

A. Gabriel Meléndez, Chair

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DEPARTMENT OF ANTHROPOLOGY

College of Arts and Sciences

University of New Mexico

ANNUAL REPORT

JULY 1, 2006-JUNE 30, 2007

Michael Graves, Department Chair

Prepared by:
Jennifer George
Department Administrator

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DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

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DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

Significant Developments during the Academic Year 2006-2007

DEPARTMENT ACTIVITY BY SUBFIELD

Subfields

The Department maintains graduate and undergraduate programs in four subfields: Archaeology, Biological Anthropology, Ethnology, and Human Evolutionary Ecology. Conveners (annually elected by the subfield) call subfield meetings at least monthly.

Advisory Group

The subfield conveners, undergraduate director, graduate director, and the Chair meet twice a month 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. Advisory Group members are expected to attend faculty meetings.

[Fall 2006] Garth Bawden (Chair & Arch), Les Field (Asst. Chair & Ethno),Wirt Wills (Arch), Magdalena Hurtado (Bio), Marta Weigle (Ethno), Jane Lancaster (HEE)
[Spring 2007] Michael Graves (Chair & Arch), Osbjorn Pearson (Asst. Chair & Bio), Wirt Wills (Arch), Kim Hill (Bio), Marta Weigle (Ethno), Jane Lancaster (HEE)

Archaeology

UNM Southwestern Archaeology Field School
The annual UNM Southwestern Archaeological Field School took place May 28-June 29, 2007, and was directed by Dr. Bruce Huckell. Five weeks were devoted to excavations at a small portion of the enormous Mockingbird Gap Clovis (ca. 11,300- 10,900 BP) campsite, located in the northern Jornada del Muerto some 35 miles southeast of Socorro. This site covers some 800 linear meters adjacent to Chupadera Wash and consists of more than a dozen areas of high-density artifact concentrations; it was at one of the latter where field school investigations were focused. The students learned basic excavation, mapping, recording, profiling, and survey skills and had the opportunity to visit other Paleoindian and lithic quarry sites in New Mexico. Excavations showed that this locus of Mockingbird Gap was a camp occupied for a very short period (a few days, perhaps) after a successful bison kill. It produced numerous waste flakes from tool manufacture, as well as the base of a Clovis point, some dozen or more flake tools used for a variety of

maintenance and processing tasks, and several pieces of tooth enamel and highly fragmentary large mammal bone. The tooth enamel clearly represents bison and suggests that the kill was made nearby. Mockingbird Gap is one of the rare Clovis sites that may have been reused multiple times over a period of years, or which perhaps was a place where smaller social groups temporarily came together for a short period of time.

Chaco Canyon Stratigraphy Project

The Chaco Stratigraphy Project, directed by Professors W. H. Wills and Patricia L. Crown, recently completed fieldwork at Chaco Canyon designed to better understand the role of water management during the Bonito Phase (ca. AD 900-1150), a period of rapid cultural change centered on the construction of massive stone buildings called "great houses." The project reopened old archaeological trenches at Pueblo Bonito in order to identify buried water channels and sample them for geological and biological data. This phase of the project has been supported by the National Science Foundation, the National Geographic Society, and the University of New Mexico. Over 50 students from 12 universities have participated in the project so far, which involves collaboration with scientists at UNM, New Mexico Tech, Los Alamos National Laboratory, and private laboratories in the Southwest.

El Mirón Cave Excavation

Dr. Lawrence G. Straus, Distinguished Professor of Anthropology, completed a 12th year of excavation at El Mirón Cave in the Cantabrian Mountains of Northern Spain with a new grant from the National Geographic Society. Three UNM graduate students participated in the field work—which is co-directed with a Spanish colleague, Professor Manuel Gonzalez Morales of the Universidad de Cantabria in Santander—as well as other student participants from several Spanish and Croatian universities. The team excavated in levels dating to the early Magdalenian and Solutrean periods, about 16,000-17,000 radiocarbon years old. One of the UNM graduate students who participated again this summer is doing a Ph.D. dissertation on the Magdalenian of El Mirón currently: Beth Stone, with a new NSF Doctoral Dissertation Award, is studying bone needles and fiber technology. Yuichi Nakazawa is doing his Ph.D. on fire hearth-centered human activities at El Miron and Japanese sites. A third UNM Ph.D. dissertation is currently underway by John Rissetto, a long-time Mirón participant, who is studying stone tool raw material procurement patterns in the Magdalenian, with an aim of elucidating human mobility and territorialism late in the Last Ice Age. Straus has also worked intensively with a Spanish doctoral student, Ana Belen Marín, who is studying the Mirón fauna. A major find was the first complete, well-dated (15,500 BP) spearthrower from the Iberian Peninsula.

Hawaii Archaeological Research Project

For the first time the Department of Anthropology participated in an eight-week archaeological field training program in Hawaii. This program is directed by Dr. Michael Graves and is funded by a National Science Foundation Research Experiences for Undergraduate (NSF-REU) Site Program. The program integrates field work (survey, mapping, and excavation) with basic archaeological research focused on the development of irrigated agriculture in the district of North Kohala on the Island of Hawaii. This program is part of a larger project funded by the National Science Foundation Human and

Social Dynamics Initiative to document and understand the relationship between dry and wetland agriculture and the development of the Hawaiian state in the eighteenth century. Students in the NSF-REU program conducted research projects on a variety of topics, presented their papers in a public forum, and two of the students were selected to give presentations at the Society for Hawaiian Archaeology annual meeting. Co-directing the field training program in the summer of 2007 was Dr. Mark McCoy who received his BA in Anthropology from UNM before earning his doctorate from UC Berkeley.

New Faculty
The subfield welcomed Dr. Keith Prufer (PhD 2002 from Southern Illinois University) who specializes in complex societies, Mesoamerica, spatial analysis, cultural ecology, ceramic technology and analysis, cave archaeology, landscape archaeology, ethnohistory, and political economy.

Departures
Dr. Joe Watkins was appointed Director of the Native American Studies Program at the University of Oklahoma in Norman, OK and resigned from the department in July of 2007.

Biological Anthropology

Interdisciplinary Symposium Under the auspices of the Maxwell Museum and Departments of Anthropology and Biology, Keith Hunley and Heather Edgar hosted 10 world-renowned scholars in a symposium on reconciling concepts of human variation within anthropology. The symposium, titled "Race Reconciled," was held at the University of New Mexico on May 24-25, 2007. Efforts are currently underway by Drs. Edgar and Hunley to publish the proceedings of the symposium in a special issue of *American Journal of Physical Anthropology*.

Molecular DNA Study the molecular anthropology laboratory continued to collect DNA samples relevant to two main areas of research. Preliminary results have been presented at professional meeting and have been used as pilot data in an NSF proposal for the first project, which examines the relationship between human genes and languages with the implications of this relationship for human evolution. The second project involves collaboration with Dr. Deidre Hill of the Department of Epidemiology on the North Campus. This project examines genetic structure among New Mexicans of Hispanic ancestry and explores the medical implications of this structure. The data collection for this project is complete; these data will be used to write a collaborative NIH proposal.

Forensics Debra Komar served as a member of a UN-sponsored Scientific Advisory Team in Darfur in Fall 2006 in an effort to assess the regions mass-killings. Dr. Komar also was awarded tenure and promotion to Associate Professor.

Web-Based Library of Orthodontic Cases Heather Edgar, Research Assistant Professor in Anthropology and Curator of Osteology at the Maxwell Museum, collaborated with Phillip Kroth (Assistant Director of Health Sciences Informatics Program Development)

and Edward Harris (University of Tennessee Health Sciences Center) to submit a NIH grant 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. Initial scores of the grant by the NIH reviewers were highly favorable.

New Faculty The subfield welcomed two new Assistant Professors hired in Spring, 2007, Martin Muller (PhD 2002 from University of Southern California), who specializes in the associations between hormonal levels and behavior in chimpanzees and humans, and Sherry Nelson (PhD 2002, Harvard University), whose work focuses on the paleoecology and diet of Miocene apes and associated fauna.

Departures Professor Kim Hill and Associate Professor Ana Magdalena Hurtado resigned from UNM at the end of 2006-2007 in order to accept appointments at Arizona State University.

Graduate Successes
Post-Doctoral Appointments:
Jada Benn-Torres, Post Doctoral Scholar, Rick Kittles Laboratory, Genetic Medicine, School of Medicine, University of Chicago
Elizabeth Ann Carson, Cheverud Laboratory, Department of Anatomy and Neurobiology, Washington University School of Medicine

Professional Appointments:
Cecil M. Lewis, Assistant Professor, Department of Anthropology, University of Oklahoma.

Ethnology

Snead-Wertheim Endowed Lectureship
The Snead-Wertheim Endowed Lectureship in Anthropology and History is awarded annually to a full-time, tenure-track faculty member alternately in the two departments. Annually since 1989, anthropology and history have collaborated in naming one of their faculty to the Snead-Wertheim Lectureship. The lectureship recognizes and supports significant scholarly activity by a faculty person in these two disciplines. The recipient receives a cash award and delivers a public lecture on his/her research during the spring semester. Suzanne Oakdale, University of New Mexico Associate Professor of Anthropology specializing in Ethnology, presented the annual Snead-Wertheim Endowed Lecture, on Thursday, April 19 at 2:00 pm in the Hibben Center, room 105. Dr. Oakdale's topic was "Ethnicity and Eating Together in the Brazilian Amazon: Indigenous Autobiographical Perspectives."

Human Evolutionary Ecology

Research Dr. Hillard Kaplan continued his research in Bolivia with $ 3,167,000 in grants to fund the Tsimane Research project. He also continued other grant funded projects

such as The Human Life Course and the Biodemography of Aging (NIA), Grandparenting and the Evolution of Post-Menopausal Lifespan (NSF), Inflammation and Metabolic Risk and the Aging Process: Diet, Disease, and Development (NIA), Mellon Network on Collecting Biomarkers in Latin America (Mellon), and Alternative Field Methods for Collecting Biomarkers (Mellon).

Dr. Jim Boone completed the third year of NSF research grant, "Land Use and Long-term Sustainability on a Mediterranean Landscape: An Archaeological Case Study in the Lower Alentejo of Portugal" $116,280.

Primate Enrichment Program at the Rio Grande Zoo is ongoing, and we are now entering our fifth year of providing enrichment at the zoo. Enrichment is provided for all primates, animals housed in the cat/carnivore area of the zoo, and to the polar bears. Items that we use often have a one-time usage, and we are constantly in need of these items. Our program currently has about 15 graduate and undergraduate volunteers who provide enrichment seven days a week.

Human Nature: An Interdisciplinary Biosocial Perspective. Jane Lancaster is the scientific editor of *Human Nature* and Hillard Kaplan, Ozzie Pearson, Jim Boone and Steve Gangestad (all UNM faculty) serve as Consulting Editors. Springer.Science has bought *Human Nature* from Transaction Publications. Springer.Science offers all the advantages of full electronic publishing including complete electronic submission and handling of the review process, article-based submission and Online First publication for authors, greatly expanded international marketing, an online version available to most libraries in the US through a library consortium agreement, and access on line to all issues of *Human Nature* going back to Volume 1. As a result, the journal will have a major expansion in distribution to both an international readership and to libraries. *Human Nature*'s Journal Citation Reports ISI rating is 13 out of 53 Anthropology journals and 14th out if 26 Social Science/Biomedical journals. Its impact factor is 1.079.

Graduate Successes

Post-Doctoral Appointments:

Jeff Winking Post-doctoral Fellowship, National Institute of Aging for research project, The Human Life Course and Biodemography of Aging. Santa Fe Institute (2005-2010)

Professional Appointments:

Jack Baker Research Scientist II, Bureau of Business and Economic Research, University of New Mexico (2005-date).

Robert Walker, Assistant Research Professor, University of Colorado at Denver (2006-date)

Karen Kramer, Assistant Professor of Anthropology, Harvard University (2007-present).

DEPARTMENT ACTIVITY

Committees

Graduate Committee The committee chair is the Graduate Director and is appointed by the Department Chair for a two-year term; three other committee members are elected annually by remaining subfields. The committee meets monthly or as needed. Oversees all graduate matters, including curriculum, allocation of GA/TA/RA-ships, and nominations for various graduate scholarships and awards. The committee is charged with reviewing Departmental nominations for various graduate scholarships and awards, and travel allocations.

[2006-2007] Sylvia Rodríguez (Chair & Ethno), Osbjorn Pearson (Bio), Patricia Crown (Arch), Jane Lancaster/ Hillard Kaplan (HEE), Erika Gerety (staff)

Undergraduate Committee Anthropology at UNM has more than 270 undergraduate majors. These students have the choice to concentrate in one of four subfields, Archaeology, Ethnology, Biology, or Human Evolutionary Ecology. Alternatively, they can choose to distribute the anthropology requirements across the four subfields and not graduate with a particular focus. Given the number of majors and the breadth of the field, the tasks of the undergraduate committee are two-fold: to oversee curricular issues including development or modification of the existing curriculum, and to help undergraduates fulfill departmental and concentration requirements and complete their degrees. In support of this effort, the chair of the committee works with the Coordinator of Educational Support, Carla Sarracino. Over the course of the last year, the committee has put together an undergraduate handbook that describes both the overall program and the requirements for specific concentrations. We have extended and broadened our advisement program. Each member of the undergraduate committee is available for consultation on a weekly basis. We have expanded the Undergraduate Society and are working with these students to broaden their experience and integrate them more completely into the department. We also put in place the plan of the outcome assessment for the department. The plan will be implemented over the next two years.

[2006-2007] Ann Ramenofsky (Chair & Arch), Keith Hunley (Bio), Jim Boone (HEE), Les Field (Ethno), Carla Sarracino (staff)

Instructional Resources Committee The committee and its chair are appointed annually by the Chair. The committee meets once per year, in September. The committee coordinates and oversees all matters related to the instructional use of computers, media (audio-visual, CD-ROM, renewable and permanent laboratory supplies, etc.), and advises the Chair as to the allocation and use of space. The committee also maintains an inventory of current resources and develops (in consultation with Graduate and Undergraduate Committees) a comprehensive, visionary (long- and short-term) plan for instructional programs. This plan will help inform Department grants, equipment requests, policy, and future directions.

[2006-2007] Joe Powell (Chair & Bio), James Boone (Arch), David Dinwoodie (Ethno), Jennifer George (Staff), Erica Capling (Staff)

Board of Archaeologists Communicates with and advises UNM President and other officials on archaeological properties.

[2006-2007] Richard Chapman (Chair), Patrick Hogan, Bruce Huckell, Garth Bawden, Michael Graves, Patricia Crown, Lawrence Straus, James Boone, Ann Ramenofsky, Joe Watkins, Chip Wills

Clark Field Archive Policy Committee Oversees the Clark Field Archive and Library, which is jointly curated by the Maxwell Museum Association and the Department.

[2006-2007] Lawrence Straus (Chair), Bruce Huckell, Jennifer George, Alan Shalette, Lead Workstudy for Clark Field.

Post Tenure Faculty Evaluation Committee The committee is elected each year by the faculty to evaluate submitted materials on the basis of post-tenure policies and procedure agreed to in 2002. The committee is comprised of three senior faculty members. The committee advised the Chair of rankings. Each faculty member received a 3% increase to cover increased benefits, with the remaining 1.5% being allocated on the basis of merit. This continues our efforts to lessen the disparity between long-time faculty whose ERA retirement depends on their five highest salary years and newer faculty whose retirement plans depend on salary earned from the beginning of their UNM career.

[2006-2007] Louise Lamphere, Hillard Kaplan, Wirt Wills.

Convocation

The 9th Annual Departmental Convocation took place on Saturday, May 12, 2007 in Anthropology Lecture Hall 163 at 1:00 pm. Convocation was hosted by Dr. Michael Graves, Chair. Our special guest speaker was Dr. Dave Stuart, Professor of the Department of Anthropology and Former Associate Provost. Dr. Ann Ramenofsky presented the Bachelor of Arts and Bachelor of Science degrees, while Dr. Sylvia Rodriguez 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 in the Maxwell Museum of Anthropology 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

Anthropology Endowments, UNM Foundation	6/30/2006	6/30/2007
Karl Schwerin Fellowship	$ 15,453.00	$ 17,532.00
Frieda Butler Scholarship	$ 12,680.00	$ 15,486.00
Helen McCaig Spuhler Scholarship	$ 350,694.00	$ 397,878.00

MacCaulley Scholarship	$ 17,708.00	$ 23,237.00
Anthropology Graduate Student Support	$ 51,904.00	$ 62,830.00
Basehart-Briollo Memorial Anthropology	$ 15,420.00	$ 17,495.00
NM Folklore Scholarship	$ 13,423.00	$ 15,228.00
Ortiz-Lamphere Policy Fellowship	$ 224,651.00	$ 260,065.00
Ortiz General Endowment	$ 221,817.00	$ 461,495.00
Ortiz NEH Endowment	$ 240,641.00	$ 293,315.00
Snead-Wertheim	$ 38,399.27	$ 43,566.00
David Stuart		$32,000.00
	$1,202,790.27	**$ 1,640,127.00**

In 2006-07 the 12 Anthropology endowments at the UNM Foundation increased in value by more than $400,000 to reach a new total of more than $1,640,000. This represents an increase of 36% and is due to especially strong fund-raising and earnings on the endowment principal. One new endowment was created, the David Stuart Scholarship for Graduate Studies in Public Anthropology. The Department also completed the fund-raising in support of the National Endowment for the Humanities grant to create a permanent endowment for the Alfonso Ortiz Center for Intercultural Studies. The three Ortiz endowments now total more than $1,000,000.

Graduate Student Support Fund

The Anthropology Graduate Support Fund was initiated during the Anthropology Department 75th Anniversary Celebrations in 2003. This endowment fund receives monies from unsolicited donations and those donations elicited from publishing the Department of Anthropology Newsletter which specifically targets our 1100+ alumni. The goal of the fund is to reach $100,000 and offer four research grants (one in each subfield) to our graduate students. The fund did exceptionally well during the last fiscal period and the decision has been made to offer two grants for the 2007-2008 year.

Anthropology Centennial Fund and Department Newsletter

The Centennial Fund (formerly 75th Anniversary Fund) was also begun during the 75th Anniversary celebrations. Its purpose is to fund the printing and distribution of the Department Newsletter, in other words it is the operating account for the Support Fund. Much of the current fund was raised from selling 75th Anniversary T-shirts. A new saleable item will be developed during the 2007-2008 year to be launched at commencement 2008 and in the Spring issue of the Newsletter.

The Department of Anthropology Newsletter, a biannual production since 2005, is issued at commencement (May) and in late Fall (November). The Newsletter has grown from its original 8-page format dedicated to news of the Anthropology Department and

Maxwell Museum, to a 12-page format that encompasses the Department (faculty and student awards, research, publications, travels), Maxwell Museum news, Alfonso Ortiz Center, Chaco Culture National Historical Park, fundraising for both graduate and undergraduate research, and special events. The Newsletter also includes feedback and news items from our alumni. The Editorial Board for 2006-2007 included Drs. Garth Bawden, Michael Graves, Bruce Huckell, Lisa Huckell, Carole Nagengast, Ann Braswell and Erica Capling.

Dave E. Stuart Fund for Graduate Studies in Public Anthropology

A new endowment fund was established in Anthropology to support scholarships for graduate students who are concentrating in Public Anthropology at UNM. The Graduate Program Committee will make its first awards for this scholarship in 2007-08

John Martin Campbell Fund for Undergraduate Student Field Research

The Department of Anthropology established a new UNM Foundation account to support undergraduate research and named in honor of John "Jack" Martin Campbell. Jack Campbell is a former chair of the Department and Director of the Maxwell Museum. This fund will award scholarships to support opportunities for undergraduate majors to participate in field and laboratory research. The Department expects to make its first award in 2007-08.

Ortiz/NEH Challenge Grant

In July 2007, the Alfonso Ortiz Center for Intercultural Studies officially completed the National Endowment for the Humanities Challenge Grant. During 2007, the Center raised $193, 622, thanks to a generous donation from the Hibben Trust and the results of the College of Arts and Sciences annual fund-raising appeal. Gifts from Ortiz Board Members, administrators, and friends of Alfonso were also important. Since 1999, the Center has raised $1,118,100 and qualified for $361,131 in matching funds. The New Mexico Legislature also appropriated $40,000 to the Ortiz Center in recurring funds. The Center's Endowment and legislative monies will support Ortiz Programs and help fund a position for a permanent director.

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 selected master's theses from the Anthropology Department, a map collection, 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 Anthropology Department and MMA. About half the CFAL's collections are unique on the UNM campus, and perhaps 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. Last year we received a large donation from the estate of Dr. Frank Hibben, some of which was donated to the UNM Libraries. This year a significant donation of books was made by Professor Keith Basso. Both donations were culled and are being catalogued. The remaining books were incorporated into the Clark Field collection or set aside for sale at the MMA annual book fair. The MMA's annual Albuquerque Antiquarian Book Fair is an important 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. Clark Field donated several long runs of duplicate journals to Zimmerman Library. In addition, Department Faculty provided donations of Journals to Zimmerman Library in an effort to help them re-build their Anthropological collections.

Ortiz Center for Intercultural Studies

North by Southwest: Bering Sea Communities, Collaborations, and Collections
A collaborative exhibition featuring objects from the Maxwell collections as well other US museums in Alaska and New Mexico. Events include roundtable discussions, lectures, and dance performances with Native visitors from Alaska participating. The project includes a visiting Inupiaq scholar from Alaska, Herbert Anungazuk who works for the National Park Service. Co-curated by Catherine Baudoin, Maxwell Museum's Curator of Photo Archive and member of the Ortiz Programming Committee, and Joyce Szabo of UNM Art Department. March 2007

Ortiz Family Program, Passport to People
This program presents a series of events and family activities associated with exhibitions at the Maxwell and was developed with Maxwell Museum's Curator of Education, Amy Growchoski, and the Coordinator of Public Programs, Mary Beth Hermans. The program is open to all ages and abilities.

El Rio Roundtable
The El Rio Roundtable is a discussion by visiting scholars and UNM faculty members to address environmental and cultural issues pertaining to *acequias* in New Mexico and Northern Mexico. The initiative was developed by Enrique Lamadrid, Director, UNM Chicano/Mexicano/Latino Studies Department in September 2006.

El Rio
This is a traveling exhibition exploring the relationship between traditional knowledge, local culture, and a sustainable environment in the Rio Grande/Bravo Basin produced by the Smithsonian Center for Folklife and Cultural Heritage and co-sponsored by UNM.

The Ortiz Center presented a four part series of events and programming for families. April 2006 – January 2007

Haak'u – A Plan to Prepare: The Sky City Cultural Center and Museum Initiative
This is an ongoing collaborative project with the Pueblo of Acoma to support the development of permanent exhibitions for the new facility.

Public Policy Lecture Series
Environmental Justice and Human Rights: Case Studies from Guatemala and the Marshall Islands. Dr. Barbara Rose Johnston provides an overview of environmental anthropology and then presents case material from her current projects having to do with dam development and nuclear weapons testing. September 28, 2006.

Culture Troubles: India's International Call Centers and the Post-Social Shock of Global Work. Dr. Aneesh Aneesh discusses what happens to social life when two different linguistic worlds are technologically integrated in real time in Indian call centers. October 5, 2006.

Lessons from Lost Soldiers: Incident at the Fort Craig Cemetery. Dr. Jeffery Hanson describes the circumstances surrounding a cold case investigation of the unlawful removal of human remains (two Buffalo Soldiers) from the Fort Craig cemetery. October 19, 2006.

Participatory Anthropological Research: Experiences of Working with a Research Agreement with Eastern Panama's Wounaan. Dr. Julie Velasquez-Runk discusses the development of a research agreement with the Wounaan and her experiences of working with this agreement both during and post fieldwork. November 30, 2006.

Louise Lamphere Public Policy Fellowship An endowed graduate scholarship to support the development of seminars, the Public Anthropology Lecture Series and workshops.

Native American Leadership Institute Conference A joint project with the Leadership Institute, Santa Fe, to conduct a two-day discussion on issues of concern to Native American leaders from a number of tribes and pueblos in New Mexico. Several priorities were identified, including language retention and preservation, cultural resource protection, and health disparities. May 2007

Ortiz Public Policy Fellow 2006-2007, Christina Getrich - Ortiz Public Policy Symposium on Immigrant Families Discussion among academics and representatives from local community organizations about their work with immigrant families in New Mexico. May 2007

The San Rafael, New Mexico Oral History Project
Focuses on collecting oral histories from residents of San Rafael, a small Hispano village founded in 1864 near Grants, New Mexico. These interviews tell the story of the region's transition from a ranching economy through the uranium boom to the present-

day tourist and service economy. Residents also describe the crucial role of the Catholic Church in community and the importance of Hispano traditions and food-ways in the lives of their parents and grandparents. The data collected, which will include digital interviews, transcripts, videos, scanned documents, and photographs, will be archived at the Maxwell Museum, the San Rafael Catholic Church, and the Cibola Arts Council museum, the Double-Six Gallery. Professor, Louise Lamphere, and Kaila Cogdill, Felipe Colon, Andrea Lopez, and Stephanie Sanchez, ethnology graduate students and Kathy McCully, Anthropology. 2006-2008

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

SIGNIFICANT PLANS AND RECOMMENDATIONS

Professor Garth Bawden served as Interim Chair for the first half of this academic year with Associate Professor Les Field as Assistant Chair. Professor Michael Graves began his tenure as Chair in January 2007. Associate Professor Osbjorn Pearson served as Assistant Chair in the Spring semester.

This was a year of considerable change in the Department of Anthropology. Several faculty retired or resigned to take positions elsewhere and a number of new faculty were added or were under recruitment. The faculty also identified their priorities for recruitment in the 2007-08 years. This year also saw the renovation of the Young Ranch field training facility in the Jemez Mountains. This facility is used for archaeological field schools and department functions and its renovation included re-roofing, new plaster, painting and stucco, repair of windows, along with upgraded furnishings. With the planned move of the Chaco Center program to the Hibben Center, the Department has also developed a renovation plan for the main office on the second floor of the Anthropology Building. The biological anthropology laboratory in the Patio Office Complex will also be renovated to accommodate the research efforts of new faculty.

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 2006-07, including all funds, was approximately $3.2 million. This year concluded the successful fundraising for the Alfonso Ortiz Center National Endowment for Humanities challenge grant. The state Legislature also approved a recurring appropriation to support programming at the Ortiz Center. The Department was approached by a program officer from the Andrew Mellon Foundation to prepare a proposal to fund senior graduate students in the humanities and social sciences.

This past year Dr. Marta Weigle began the process of updating and revising all of the Department's personnel review procedures, including tenure and promotion, annual and mid-probationary reviews, post-tenure reviews, salary reviews, and affiliated faculty reviews. These are now compiled into a Department personnel Handbook.

The Department also began planning for the Self Study and External Review of the program that will take place through 2007-08 and extend into the fall semester 2008. This process will be led by Professor Marta Weigle.

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

APPOINTMENTS AND SEPARATIONS

APPOINTMENTS

Faculty

Michael Graves, Department Chair (January 2007)
John Lohse (Visiting Assistant Professor) (August 2006)

Adjunct:
Magdalena Hurtado, Jocelyn DeHaas, John Lohse (April 2007)

Staff

Beth Lehman, Administrative Assistant II (August 2006)

SEPARATIONS

Faculty

Garth Bawden (retired) (December 2006)
Kim Hill (resigned) (May 2007)
Magdalena Hurtado (resigned) (May 2007)
John Lohse (1 Year Temporary Appointment) (May 2007)
Joe Watkins (resigned) (June 2007)

Staff

None

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

FACULTY PUBLICATIONS

Dinwoodie, David

"Time and the Individual," in Sergei A. Kan & Pauline Turner Strong (eds.), *New Perspectives on Native North America*. Lincoln: University of Nebraska Press.

Edgar, Heather

"Forensic applications of dental morphology in the Southwestern United States," Co-authors: Goff, A.K and Pearson, O.M. in *Current Trends in Dental Anthropology*, Elzbieta Zadzinska, editor, University of Lodz (Poland) Press.

"Comparative human and deer (Odocoileus virginianus) taphonomy at the Richards Site, Ohio," Co-author: Sciulli, P.W. in *International Journal of Osteoarchaeology* 16:124-137.

"Dental fluctuating asymmetry in the Gullah: Tests of hypotheses regarding developmental stability in deciduous vs. permanent and male vs. female teeth," Co-authors: Guatelli-Steinberg D. and Sciulli P.W. in *American Journal of Physical Anthropology* 129:427-434.

Feld, Steven

"Uma doce cantiga de ninar para a 'world music;' in Portuguese;" English title: "A Sweet Lullaby for World Music," in *Debates*, Universidade Federal do Estado do Rio de Janeiro (UNIRIO) 8:9-38.

"Sound Structure as Social Structure," in Christian Kaden and Karsten MacKensen, eds. *Soziale Horizonte von Musik: Ein kommentiertes Lesebuch zur Musiksoziologie* (paper in English with German summary and commentary), pp. 175-199, Kassel: Barenreiter.

"Guardare attraverso la trasparenza;" in Italian; English title: "Gazing Through Transparency," in *Voci: Semestriale di Scienze Umane*, 3(1):63-78.

Comment on James M. Wilce, *Magical Laments and Anthropological Reflections: The Production and Circulation of Anthropological Text as Ritual Activity*, in *Current Anthropology* 47(6):904-905.

Recordist/Producer: CD: *Suikinkutsu: A Japanese Underground Water Zither*. VoxLox 106

Recordist/Producer: CD: *The Time of Bells, 4: Soundscapes of Italy, Denmark, Finland, Japan, Iraq/USA.* VoxLox 206

Producer/Performer: CD: *Meditations for John Coltrane.* Accra Trane Station. VoxLox 107

Musical performances in Accra, Ghana as a member of *Accra Trane Station*, January-May 2006; performing on "ashiwa" (bass mbira)

Photograph: *God's White Family*, exhibited in at Goethe Institut, Accra, and Alliance Française, Kumasi in the exhibition "A Tale of Two Cities" curated by the Foundation for Contemporary Art, Ghana.

Ambient sound installation to accompany *Awanwandain,* an art environment/exhibit by Virginia Ryan, Gallery Fenestella Wunderkammern, Spello, Italy, September-November.

Solo concert: *The Music of Water*, soundscape compositions and video from four continents, *An Ear to the Earth Festival, Electronic Music Foundation, Three-Legged Dog Technology Center*, NYC, October.

Solo concert: *The Music of Water*, soundscape compositions and video from four continents, College of Santa Fe and Acoustic Ecology Institute, Santa Fe.

Video: *Where Water Touches Land*, in group art show, Geo-Graphic: Esplorazioni di superfici e territori d'arte, Gallery La Casa Verde, Foligno, Italy.

Field, Les

"The Potters of San Juan de Oriente," (in Spanish and Danish) in Cerámica Nicaragüense: Tradición y Novedad, Museum of International Ceramics (ed.). pp. 17-25. Danish Center for Culture and Development.

Comments: in response to "The Development of Prior Informed Consent in Indigenous Communities," by Joshua P. Rosenthal, *Current Anthropology* 47(1): 131.

Review of "Native Pathways: American Indian Culture and Economic Development in the Twentieth Century," by Brian Hosmer and Colleen O'Neill, eds. *Journal of Anthropological Research* 62(3): 386-388.

Review of "Seeing Indians: A Study of Race, Nation, and Power in El Salvador," by Virginia Tilley in *Journal of Anthropological Research* 62(8): 388-389.

Graves, Michael W.
Archaeological Anthropology: Perspectives on Method and Theory, edited by J.M. Skibo, M.W. Graves, and M.T. Stark, University of Arizona Press, Tucson.

"The Intellectual Legacies of an Archaeological Paradigm", Michael W. Graves and Ezra Zubrow. In *Archaeological Anthropology: Perspectives on Method and Theory*, edited by James Skibo, Michael W. Graves, and Miriam T. Stark, pp. 3-21. University of Arizona Press, Tucson, AZ.

"Modeling Agricultural Development and Demography in Kohala, Hawai'i", T. N. Ladefoged and M. W. Graves. In *The Growth and Collapse of Pacific Island Societies: Archaeological and Demographic Perspectives*, edited by P. V. Kirch and J. Rallu. pp. 70-89. University of Hawai'i Press, Honolulu.

Review of "Remote Possibilities" by Jo Anne Van Tilburg. *Journal of Anthropological Research*. 63:293-294.

"Human Ecodynamics in the Hawaiian Ecosystem, from 1200-200 yr BP", Kirch, P. V., O. A. Chadwick, S. Tuljapurkar, T. Ladefoged, M. W. Graves, S. Hotchkiss, and P. Vitousek, In *Model-Based Archaeology of Socionatural Systems*, edited by T. Kohler and S. E. van der Leeuw, pp,. 121-140. SAR Press, Santa Fe.

"The Formation of Hawaiian Community Boundaries", T. N. Ladefoged and M. W. Graves, In *Archaeology of Oceania: Australia and the Pacific Islands*, edited by I. Lilley, pp. 259-283. Blackwell, UK.

Huckell, Bruce

"Paleoindian: Plains and Southwest," Co-author: W. James Judge in *Handbook of North American Indians, Vol. 3, Environment, Origins, and Population*, edited by Douglas H. Ubelaker, pp. 148-170. Smithsonian Institution, Washington, D. C.

"Archaeological and Geological Test Investigations at the Mockingbird Gap Clovis Site, Central New Mexico," Co-authors: Vance T. Holliday, Robert H. Weber, and James H. Mayer in *Current Research in the Pleistocene* 23: 115-116.

Review: "The First Americans" by James M. Adovasio with Jake Page, edited by Nina G. Jablonski in *American Antiquity* 71: 187-189.

Haynes, C. Vance, Jr. "Murray Springs, A Clovis Site with Multiple Activity Areas in the San Pedro Valley, Arizona." With C. Vance Haynes. In *Anthropological Papers of the University of Arizona No. 71*, University of Arizona Press, Tucson.

"Clovis Lithic Technology: A View from the Upper San Pedro Valley." In *Murray Springs, A Clovis Site with Multiple Activity Areas in the San Pedro Valley, Arizona*, edited by C. Vance Haynes, Jr,, and Bruce B. Huckell, pp. 170-213. Anthropological Papers of the University of Arizona No. 71, University of Arizona Press, Tucson. 2007

"The Hunting Camp at Murray Springs". In *Murray Springs, A Clovis Site with Multiple Activity Areas in the San Pedro Valley, Arizona*, edited by C. Vance Haynes, Jr,, and

Bruce B. Huckell, pp. 146-169. Anthropological Papers of the University of Arizona No. 71, University of Arizona Press, Tucson.

"Clovis Paleoecology as Viewed from Murray Springs, Arizona." In *Murray Springs, A Clovis Site with Multiple Activity Areas in the San Pedro Valley, Arizona*, edited by C. Vance Haynes, Jr,, and Bruce B. Huckell, pp. 214-225. Anthropological Papers of the University of Arizona No. 71, University of Arizona Press, Tucson.

"Geological and Archaeological Investigations at Murray Springs, Area 9 and Trench 13N." In *Murray Springs, A Clovis Site with Multiple Activity Areas in the San Pedro Valley, Arizona*, edited by C. Vance Haynes, Jr,, and Bruce B. Huckell, pp. 266-272. Anthropological Papers of the University of Arizona No. 71, University of Arizona Press, Tucson.

Hunley, Keith

"Unique patterns of regional mitochondrial DNA variation among the Gran Chaco peoples of Argentina," Co-authors: G.S. Cabana, D.A. Merriwether and D.A. Demarchi in *American Journal of Physical Anthropology* 131(1): 108-119.

"A formal test of linguistic and genetic coevolution in Native Central and South America," Co-authors: G.S. Cabana, D.A. Merriwether and J.C. Long in *American Journal of Physical Anthropology*. 132 (4): 622- 631.

Hurtado, Ana Magdalena

"The public health implications of maternal care trade-offs," Co-authors: C.A. Lambourne, K. Hill and K. Kessler in *Human Nature* Vol 17:2, pp. 129-154.

"Natural selection and molecular evolution in primate PAX 9 gene, a major determinant of tooth development," Co-authors: T.V. Pereira, F.M. Salzano, A. Mostowska, W.H. Trzeciak, A. Ruiz-Linares, J.A.B. Chies, C. Saavedra, C. Nagamachi, K. Hill, D. Castro-de-Guerra, W.A. Silva-Junior and M.C. Bortolini, in *Proceedings, National Academy of Sciences*, USA, 103(15):5676-5681.

Kaplan, Hillard

"How long does it take to become a proficient hunter? Implications on the evolution of delayed growth," Co-authors: M. Gurven and M. Gutierrez in *Journal of Human Evolution* 51:454-470.

"Demographic correlates of paternity confidence among Albuquerque men," Co-authors: K.G. Anderson and J. Lancaster in *American Journal of Physical Anthropology* 131 (4):560-571.

"The Life History of a Foraging Species," in *Daedalus* (*On Aging*): 48-57, Winter 2006.

"The Economics of Hunter Gatherer Societies and the Evolution of Human Characteristics," Co-author: A. Robson in *Canadian Journal of Economics* 39(2): 375-398.

"Growth Rates and Life Histories in Twenty-Two Small-Scale Societies," Co-authors: R. Walker, M. Gurven, K. Hill, A. Migliano, N. Chagnon, R. De Souza, G. Djurovic, R. Hames, A.M. Hurtado, K. Kramer, W.J. Oliver, C. Valeggia and T. Yamuach in *American Journal of Human Biology* 18.3:295-311.

"Determinants of Time Allocation Across the Lifespan: A Theoretical Model and an application to the Machiguenga and Piro of Peru," Co-author: M. Gurven in *Human Nature*, Vol. 17 Issue 1, p1-49.

"Female intrasexual competition and reputational effects on attractiveness among the Tsimane of Bolivia," Co-authors: S.L. Rucas, M. Gurven, J. Winking, S. Gangestad and M. Crespo in *Evolution and Human Behavior,* Volume 27, Issue 1, P. 40-52.

Komar, Debra A.

Forensic Anthropology: Contemporary Theory and Practice. With Jane Buikstra. New York: Oxford University Press.

"Percentage of Body Recovered and its Effect on Identification Rates and Cause and Manner of Death Determination." With Wendy Potter. *Journal of Forensic Sciences*; 52(3): 528-531.

"Identification versus Identity in Genocide Investigations." *Indian Journal of Physical Anthropology and Human Genetics*; 26(1): epub ahead of print.

"Frequencies of Morphological Features in Two Contemporary Forensic Collections: Implications for Identification." With S. Lathrop. *Journal of Forensic Sciences*; 51(5): 974-978.

Book Review: "Fundamentals of Forensic Anthropology". *Journal of Anthropological Research*: 63(1): 97-98.

Book Review: "Interacting with the Dead – Perspectives on Mortuary Archaeology for the New Millenium." *Journal of Anthropological Research*, 62(1): 140-142.

"Percentage of Body Recovered and Its Effect on Identification Rates and Cause/Manner of Death Determination." With Wendy Potter. *Proceedings from the American Academy of Forensic Sciences Annual Meeting*, volume 13: 349.

"Daubert and Kumho: Implications for Anthropologists in the Courtroom." With C. Grivas. *Proceedings from the American Academy of Forensic Sciences Annual Meeting*, volume 13: 387.

Lamphere, Louise

"A Call to an Anthropology of Health Policy," Co-author: Horton, Sarah in *Anthropology News*, January.

Foreword to *Feminist Anthropology: Past, Present, and Future*, Miranda K. Stockett and Pamela L. Geller, eds. Philadelphia: University of Pennsylvania Press.

Foreword to *Patterns of Culture* by Ruth Benedict. New York: Houghton Mifflin Company.

Lancaster, Jane B.

"Demographic correlates of paternity confidence and pregnancy outcomes among Albuquerque men," Co-Authors: K.G. Anderson and H. Kaplan, in *American Journal of Physical Anthropology* 131:560-571.

"Confidence of paternity, divorce and investment in children by Albuquerque men." Co-Authors: K.G. Anderson and H. Kaplan, in *Evolution and Human Behavior* 28: 1-10.

"Chimpanzee and Human Intelligence: Life history, diet and the mind." J.B Lancaster and H. Kaplan, in Steven W. Gangestad and Jeffery Simpson (eds), *The Evolution of the Mind: Fundamental Questions and Controversies*. NY, Guilford Press, 111-120.

"Brain Evolution and the Human Adaptive Complex." H. Kaplan, M. Gurven, J.B. Lancaster, in Steven W. Gangestad and Jeffery Simpson (eds), *The Evolution of the Mind: Fundamental Questions and Controversies*. NY, Guilford Press, 269-279.

"The Evolution of Diet, Brain and Life History among Primates and Humans." H. Kaplan, S. Gangestad, M. Gurven, J. Lancaster, T. Mueller, and A. Robson. In W Roebroeks (ed) *Guts and brains: An Integrative Approach to the Hominin Record*. Leiden: Leiden University Press, pp. 47-90.

Pearson, Osbjorn M.

"Statistical methods in bioarchaeology: applications of age-adjustment and logistic regression to comparisons of skeletal populations with differing age-structures", Co-author: J. Baker, in *Journal of Archaeological Science* 33:218-226.

"How different were Neanderthals' habitual activities? A comparative analysis with diverse groups of recent humans," Co-authors: R.M. Cordero and A.M. Busby, in K.

Harvati and T. Harrison, Editors, *Neanderthals Revisited: New Approaches and Perspectives*. New York: Springer, pp. 89-111.

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Singer, Beverly

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Review of "Hauterive-Champréveyres et Neuchâtel-Monruz. Témoins d'Implantations Magdaléniennes et Aziliennes sur la Rive Nord du Lac de Neuchâtel," by D. Leesch, M.I. Catin & W. Müller. *Journal of Anthropological Research* 62:147-149.

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Review of "La Cueva de Ardales," by P.Cantalejo et al. *Journal of Archaeological Research* 63: 266-7.

Review of "El Sílex en la Cuenca Vasco-Cantábrica y Pirineo Navarro," by A.Tarriño. *Journal of Anthropological Research* 63:270-2.

Review of "Los Yacimientos Paleolíticos de Ambrona y Torralba," edited by M.Santonja & A.Pérez-González. *Journal of Anthropological Research* 63:102-105.

Review of "Los Catástrofes en la Prehistoria," by J.Estévez. *Journal of Anthropological Research* 63:108-110.

Review of "De la Pierre à l'Homme," by M.Tiffagom. *Journal of Anthropological Research* 63:268-70.

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Wills, Wirt

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DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

CONTRACTS AND GRANTS

Faculty grants (total $2,591,529):

National Science Foundation, "Land Use and Sustainability on a Mediterranean Landscape," PI: James Boone, fund 237W0, 05/01/04 – 05/31/07, $116,280.

National Science Foundation, "Supplement for Land Use and Sustainability on a Mediterranean Landscape," PI: James Boone, fund 237W1, 05/01/04 – 05/31/07, $7,953.

Teacher Allocation Committee Grant, "Enhancing Graduate Training of Future Anthropology Professors" Dr. Patricia Crown, $987.

UNM, Research Allocation Grant, "Paleodiet at Pueblo Bonita, Chaco Canyon, New Mexico," Dr. Patricia Crown with co-PIs Steve Cabaniss from Chemistry and Julia Fulghum from Chemical and Nuclear Engineering, $9,892.

UNM, Research Allocation Grant, "The Oblate Mission records in the analysis of Tsilhqot'in ethnohistory," Dr. David Dinwoodie, $2,436.

UNM, Research Allocation Grant, "The Time of Bells," Dr. Steven Feld, $3,530.

TIDES Foundation, "Bosavi Photo Digital Archive Project," PI: Steven Feld, fund 281F0, 06/01/06 – 12/31/06, $8,000.

Metanexus Institute; Templeton Advanced Research Program, "The Ecological Evolutional Dynamics of Hawaiian Ritual and Social Complexity," PI: Michael Graves, fund 286J0, 01/01/07 – 12/31/08, $50,000.

UNM, Research Allocation Grant, "Linguistic and Genetic Co-evolution and Implications for Human Evolution," Dr. Keith Hunley, $7,185.

UNM, Research Allocation Grant, "Host, Pathogens and the Re-Emergence of Tuberculosis in an Immunologically Compromised Indigenous Population of Eastern Paraguay," Dr. Magdalena Hurtado, $4,000.

UC Santa Barbara, "Grandparenting and the Evolution of Post-Reproductive Lifespans," PI: Hillard Kaplan, fund 246R0, UCSB primary, UNM sub award, 08/01/04 – 07/31/09, $209,103.

Santa Fe Institute, "The Human Life Course and Biodemography of Aging," PI: Hillard Kaplan, fund 249L0, SFI primary, UNM & UCSB subs, 10/01/04 – 05/30/09, $1,701,211.

UNM, Research Allocation Grant, "Establishing Autopsy Morphological Classes for Human Skeletal Remains for Use in Mass and Natural Disasters and War Crimes Investigations," Dr. Debra Komar, $4,000.

Wenner-Gren Foundation, "The Use of Material Culture to Establish Ethnic Identity in International Investigations of Genocide," PI: Debra Komar, fund 285B0, 12/01/06 – 05/14/08, $22,931.

UNM, Research Allocation Grant, "San Rafael Oral History Project," Dr. Louise Lamphere, $3,660.

National Endowment for Humanities, "Challenge Grant Alfonso Ortiz," fund 26220, PI: Louise Lamphere and Garth Bawden, 12/01/98 – 07/31/07, $144,881.

UNM, Research Allocation Grant, "Kayabi Perspectives on Twentieth Century Brazilian Indian Relations: A View from the Missions," Dr. Suzanne Oakdale, $1,715.

National Geographic Society, "Last Glacial Maximum to Late Glacial Human Adaptations in the Cantabrian Cordillera, Spain" PI: Lawrence Straus, fund 270J0, 01/09/06 – 06/16/07, $20,020.

National Geographic Society, "Origins of Cantabrian Madgalenian: Excavations in Cueva del Miron" PI: Lawrence Straus, fund 287P0, 05/15/07 – 05/15/08, $22,000.

National Science Foundation, "Archaeological Investigations at Chaco Canyon, NM," PI: Wirt Wills, fund 256V0, 06/01/05 – 11/30/07, $219,995.

National Science Foundation, "REU: Archaeological Investigations at Chaco Canyon, New Mexico," PI: Wirt Wills, fund 256V1, 06/01/05 – 11/30/07, $3,750.

National Geographic, "Archaeological Investigations at Chaco Canyon, New Mexico: Continued Study of National Geographic Society Trenches," PI: Wirt Wills, fund 272Y0, 06/01/06 – 12/30/07, $28,000.

Student grants: (total $154,817)

National Science Foundation, "El Cholo: A Case Study Evaluating Site Variability and Social Organization in the Upper General Valley, Costa Rica," PI: Garth Bawden and student Roberto Herrera, fund 288A0, 03/01/07 – 02/28/09, $14,985.

National Science Foundation, "Tribes, States, and Landscapes: Social Structure, Land Use and Ecological Sustainability in Islamic Iberia," PI: James Boone and student Scott Worman, fund 289Z0, 05/01/07 – 04/30/09, $15,000.

National Science Foundation, "The Technological Organization and Thermal Efficiency of Grayware Ceramics from Chaco Canyon," PI: Patricia Crown and student Marianne Tyndall, fund 257V0, 06/15/05 – 05/31/07, $11,468.

National Science Foundation, "Why Pointed Pots? An Examination of the Relationship Between Ceramic Form, Subsistence, and Mobility," PI: Patricia Crown and student Kathleen Helton, fund 258H0, 06/15/05 – 05/31/07, $6,865.

National Science Foundation, "The Role of Standardization in Specialization of Ceramic Production at San Marcos Pueblo, New Mexico," PI: Patricia Crown and student Kari Schleher, fund 253Q0, 05/01/05 – 04/30/07, $11,800.

National Science Foundation, "Impermanent vs. Intensive Agriculture: Population, Mobility, and Village," PI: Bruce Huckell and student Robert Powers, fund 254R0, 04/01/05 – 03/31/08, $11,998.

National Science Foundation, "Investigating Cultural Citizenship Among Second Generation Mexican Immigrant Youth," PI: Louise Lamphere and student Christina Getrich, fund 277N0, 06/15/06 – 05/31/07, $11,690.

National Science Foundation, "Woodland Period Mortuary Practices, Ancestorhood, and Ideology in West-Central Illinois," PI: Suzanne Oakdale and student Jason King, fund 285U0, 01/01/07 – 12/31/08, $11,997.

Leakey Foundation, "The Prevalence of Osteoarthritis in Wild Versus Captive Great Apes," PI: Osbjorn Pearson and student Demelza Poe, fund 270K0, 01/01/06 – 12/31/07, $11,404.

National Science Foundation, "Population Dynamics in Pre-Hispanic Northern Mexico," PI: Osbjorn Pearson and student Sophie Kohn, fund 285N0, 01/15/07 – 12/31/07, $10,829.

Wenner-Gren Foundation, "Biological Evidence of the San Pau Chu Site, Taiwan, and its Association with Autronesian Migration," PI: Osbjorn Pearson and student Hsiu-Man Lin, fund 259C0, 07/01/05 – 12/31/06, $24,801.

National Science Foundation, "Early Contact Period Interaction in the Western Spanish Borderlands," PI: Ann Ramenofsky and student Jennifer Boyd, fund 257W0, 08/01/05 – 07/31/07, $11,980.

Total of grants for FY07: $2,746,346

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

GRADUATES

The Department of Anthropology provides baccalaureate degrees in both arts and sciences, along with masters and doctoral degrees. In 2006-07, 102 students graduated in Anthropology. Over the past seven years more than 760 students have earned degrees in Anthropology at UNM.

Academic Year	Number of BA/BS	Number of MA/MS	Number of PhD	Total
2001	71	23	13	107
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
TOTALS	459	132	70	763

Bachelor of Arts and Bachelor of Science

Summer/Fall 06

Boyle, Mark (BA); Dickey, Kristen (BA); Hamilton, Lauren (BA); Humphrey, Amanda (BS); Hun, Rahira (BA); Hunley, Lauren (BA); Jones, Meredith (BA); Lacy, Jess (BA); Larronde, Heather (BA); McNeill, Andrew (BA); Molina, Mariana (BA); Mapes, Stacy (BS); Pyne, Amanda (BA); Rimer, Aubrey (BA); Roberson, Christopher (BA); Romereau, Nadine (BA); Secrest, Jennifer (BA); Smith, Nicholas (BS); Wilcox-Hindmarch, Sierra (BS)

Spring 07

Agirnas, Kazin (BA); Berardinelli, Rachel (BA); Bryce, Lauren (BS); Bounkeua, Viengkeo (BS); Brooks, Benjamin (BA); Butler, Lisa (BS); Burck, Katie (BA); Castor, Jillian (BS); Chavez, Alison (BS); De La Roza, Cynthia (BA); Draper, John (BA); Edwards, Kendra (BA); English, Jennifer (BA); Flynn, Travis (BA); Garcia, Valerie (BS); Godwin, Travis (BS); Gutierrez, Herman (BA); Henry, Dominic (BA); Henneke, Adam (BA); Howell, Jane (BA); Kargacin, Ashley (BA); Kartchner, Andrea (BA); Ketcham, Amaris (BA); Krencicki, Michael (BA); LaBeau, Elisa (BS); Lane, Jonathan (BA); Lewis, Kimberly (BA); Lovato, Leanne (BA); Martinez, Melina (BA); McCully (BA); McGuill, Ryan (BS); McKenzie, William (BA); Moore, Angela (BS); Naranjo, Patrick (BS); Naranjo, Rebecca (BS); Ohler, James (BS); Parks, Stephanie (BS); Pederson, Aaron (BS); Pintor, Elisa (BA); Price, Nathaniel (BA); Ramirez, Donaji (BA); Reichert, Colin (BS); Robert, Verity (BS); Schukar, Erica (BS); Serna, Anna (BA); Sierra, Luis (BA); Sitton, Kristin (BS); Solano, Alicia (BS); Tomingas, Emma (BA); Toya, Alleyne (BS); Billegas, Pilar (BA)

Bachelor of Arts and Bachelor of Science with Honors

Summer/Fall 06

Bair, Kristina (BA) Ethnology
Honors Paper: Creating Opportunity in Rural Pakistan
Mentor: Kathryn Klein

Hanneman, Christopher (BA) Ethnology
Honors Paper: Palestinian Refugees and the Conflict with Israel
Mentor: Les Field

Trowbridge, Megan (BS) Biological Anthropology
Honors Paper: Feasting and the Black-on-White Bowls of the Pueblo Bonito Trash Mounts
Mentor: Patricia Crown

Zamora, Rosalinda (BS) Archaeology
Honors Paper: The Carved Bones of Copan
Mentor: Jennifer Alhfeldt (Art History)

Spring 07

Compton, Anne (BA) Archaeology
Honors Paper: Stasis and Change in the Lithic Assemblage of San Marcos
Mentor: Ann Ramenofsky

Dyer, Tamarac (BS) Archaeology
Honors Paper: Gender Roles in Agricultural Societies as a Consequence of Technological Advances: How Gender Roles were Defined and How they Evolved (Iron Age Europe)
Mentor: James Boone

Lee, Rechanca (BA) Archaeology
Honors Paper: The Ethical Agenda of Archaeologists among American Indian Communities
Mentor: Joe Watkins

Lipinski, Valerie (BA) Human Evolutionary Ecology
Honors Paper: The Impact of Enrichment on the Social Behavior of Chimpanzees
Mentor: Jane Lancaster

McGinn, Roseanna (BS) Biological Anthropology
Honors Paper: Dental Metric Exploration of Deciduous and Permanent Dention in Modern American Populations
Mentor: Joe Powell

Reeves, Allison (BA) Biological Anthropology
Honors Paper: What do we Know about Rickettsias? Implications for Indigenous Peoples

Mentor: Magdalena Hurtado

Stromberg, Scott (BA) Ethnology
Honors Paper: Maize is Our Children: A Study of Corn in Wizarika Tradition
Mentor: Les Field

Wright, Moanna (BA) Ethnology
Honors Paper: Thresholds of Sustainability: Assessing Albuquerque's Neighborhoods
Mentor: Sylvia Rodriguez

Master of Arts and Master of Science

Summer/Fall 06

Bolstetter, Brianne (MA); Cogdill, Kaila (MA); Mondragon, Monica (MS); Rogahn, Meghan (MS, with distinction); Spence, Jennifer (MS)

Spring 07

Baland, Michelle (MA); Davis, Helen (MS); Heberling, Natalie (MA); Hudson, Erin (MA); Lopez, Andrea (MA); Mann, Kimberly (MS); McCarty, Aaron (MS); Mello, Christina (MA); Sanchez, Stephanie (MA); Sawyer, Kelly (MA); Sinkovec, Christina (MA)

Doctor of Philosophy

Summer/Fall 06

Bagwell, Elizabeth (PhD) Archaeology
Dissertation: Domestic Architectural Production in Northwest Mexico
Chair: Patricia Crown

Carson, Elizabeth (PhD) Biological Anthropology
Dissertation: Genetic and Environmental Components of Human Microevolution in Pleistocene and Holocene Australia
Chair: Osbjorn Pearson

Spring 07

Cooper, Andrea (PhD) Human Evolutionary Ecology
Dissertation: Status, Alliances and Health in the Workplace
Chair: James Boone

McIlwraith, Thomas (PhD) Ethnology
Dissertation: But we are still Native People: Talking About Hunting and History in a Northern Athapaskan Village
Chair: David Dinwoodie

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

STUDENT AWARDS & FELLOWSHIPS

Undergraduate Student Awards, 2006-2007

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 2006-2007: Ashley Kargacin

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.
Recipient in 2006-2007: Lewis Borck

Graduate Student Awards, 2006-2007

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 2006-2007: Elisabeth Stone
Lecture: Through the Eye of a Needle: Understanding the Use of Fiber and Hides in Northern Spain 20,000-10,000

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 2006-2007: Kristin Henderson

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.
Recipient in 2006-2007: Lavinia Nicolae

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 2006-2007: Laura Noldner (Fall) and Wendy Potter (Spring)

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 2006-2007: Nicole Kellet
Lecture: Microfinance and the Empowerment of Women in the Peruvian Highlands

Tom L. Popejoy Dissertation Award
The prize is awarded, on a rotating basis, to the author of the most outstanding dissertation submitted in one of three major research areas. This year the selection was made from the Social Sciences and Education area. Dissertations nominated by departments are considered by a panel of judges for excellence at the highest academic and technical level, good literary form, and general human interest. The award is $1000.
Recipient in 2006-2007: Elizabeth A. Bagwell
Dissertation: Domestic Architectural Production in Northwest Mexico

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 2006-2007: Christina Getrich

The Frank Hibben Charitable Trust
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.

2006-2007 Hibben Scholarships
1st year students: **Felipe Colon, Chris Merriman**
2nd year students: **Joseph Aguilar, Christina Sinkovec**

2006-2007 Hibben Senior Awards
Hannah Fretwell, Edward Jolie

2006-2007 Hibben Junior Awards
1st year students: **Caroline Gabe, Phil Geib**
2nd year students: **Erin Hudson, Natalie Heberling**

2006-2007 Hibben Senior Dissertation Award
Connie Constan, Jon Van Hoose

2006-2007 Hibben Senior Research Award
Dorothy Larson

2006-2007 Hibben Non-Recurring Special Award
Antonio Chavarria

Student Contract and Grant Awards listed in Contract and Grant Section of this Report

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

PROFESSIONAL ACTIVITIES AND HONORS

Basso, Keith
Named Distinguished Professor of Anthropology, University of New Mexico

Field, Les
Served as Acting Director of the Latin American and Iberian Institute, University of New Mexico, Spring 2007

Graves, Michael W
Recent Investigations in Windward Kohala, Hawaii Island, Julie S. Field and Michael W. Graves. Paper presented at the 72nd Annual of the Society for American Archaeology, Austin, Texas, April 25-29.

Recent Investigations in the Gulches of Windward Kohala, Hawai'i Island, . Field, Julie S., and Michael Graves. Paper presented at the Annual Meeting of the Society for Hawaiian Archaeology, Maui Community College, Kahalui Maui, October 25-26

Dating the Human Occupation of Pololu Valley, North Kohala, Hawai'i Island, Michael W. Graves, Julie S. Field, Tyler Vallante, and Dana M. Isaac Paper presented at the Annual Meeting of the Society for Hawaiian Archaeology, Maui Community College, Kahalui Maui, October 25-26

Changing Aspects of Basalt Distribution and Agricultural Production in Pololu Valley: Results of Recent Research, Mark Oxley, Julie K Field, Jason Espiritu, and Michael W. Graves Paper presented at the Annual Meeting of the Society for Hawaiian Archaeology, Maui Community College, Kahalui Maui, October 25-26.

A Layered Landscape: Upland Heiau of Kohala, Hawai`i, Jesse Stephen, Jesse and Michael W. Graves Paper presented at the Annual Meeting of the Society for Hawaiian Archaeology, Maui Community College, Kahalui, Maui, October 25-26.

Komar, Debra
Served as a senior member of the Scientific Advisory Team, evaluating the potential international medicolegal response to the crisis in Darfur. Based in Khartoum and visiting sites through the region, the team reported to the Sudanese and US governments and the United Nations.

Expert Witness Testimony:

06/07/07 Homicide Trial – v. Bedford, Ninth Judicial District Court, County of Roosevelt, NM

03/07/07 Homicide Trial – v. Baca, Ninth Judicial District Court, County of Roosevelt, NM

11/07/06 Homicide Trial – v. Benford, Ninth Judicial District Court, County of Curry, NM

08/16/06 Homicide Jury Trial – v. Vasquez, Third Judicial District Court, County of Dona Ana, NM

09/02/06 Homicide Jury Trial – v. Ordonez, Third Judicial District Court, County of Dona Ana, NM

Presentations:

"Percentage of body recovered and its effect on identification rates and cause/manner of death determination". D. Komar, W. Potter. Paper presented at the 59th Annual Meeting of the American Academy of Forensic Sciences, San Antonio TX, February 2007.

"Daubert and Kumho: Implications for Anthropologists in the Courtroom". C. Grivas, D. Komar. Paper presented at the 59th Annual Meeting of the American Academy of Forensic Sciences, San Antonio TX, February 2007.

Lancaster, Jane
Scientific Editor, Human Nature: A Biosocial Interdisciplinary Perspective

Nagengast, Carole
Assumed leadership over Peace Studies Program at UNM.

Completed fieldwork in Oaxaca, Mexico and the U.S. Mexico Border region

Gave a series of lectures at Autonomous University of Mexico, Ixtalapa.

Oakdale, Suzanne
Editorial board member of *Tipití: Journal of the Society for the Anthropology of Lowland South America*

Member of the Board of Directors for the Society for the Anthropology of Lowland South America

UNM Religious Studies Committee

Member of the ICLAS Committee at the Latin American and Iberian Institute, UNM

Snead-Wertheim Endowed Lectureship Recipient, April 2007, University of New Mexico Lecture Title: "Ethnicity and Eating Together in the Brazilian Amazon: Indigenous Autobiographical Perspectives"

"Men, Women, and Foreigners;" Paper presented at the Annual Meeting of the American Anthropological Association, San Jose, California, November 2006.

"New Table Manners: Food and Ethnic Transformation;" Paper presented at the Fifth Sesquiannual Meeting of the Society for the Anthropology of Lowland South America, Santa Fe, New Mexico, January 2007.

"Ritual and the Circulation of Experience;" Paper presented at the invited conference, "Ritual and Communication," funded by the Wenner-Gren Association, Sintra, Portugal, March 2007.

Singer, Beverly
Beverly R. Singer is serving a three-year appointment as Director for the Institute for American Indian Research (IFAIR), a College of Arts and Sciences initiative addressing indigenous faculty and graduate student research.

Invited UNESCO Keynote Address, "Indigenous Identity and Self-Representation," for Intercultural Dialogue, Developing Communication Capacites of Indigenous Peoples, Igualada, Spain/La Vella, Andorra, October 17-20, 2006.

New funded research:

"Indian Education in New Mexico, 2025," Indigenous Education Study Group for the Eight Northern Pueblos, Inc., funded by NMPED, Department of Indian Education, $250,000. Co-Principal Investigator.

Stuart, Dave
The Ecuador Effect. University of New Mexico Press, Albuquerque (2007)

"Chapter 13: The Chaco ancestral Puebloans", in Canyon Gardens: The Ancient Pueblo Landscapes of the American Southwest, pp. 189-204. Ed. by V.B. Price and Baker H. Morrow, University of New Mexico Press, Albuquerque (2006)

"Chacoan Great House Society", pp 127-139, In The Great Houses of Chaco. John Martin Campbell. University of New Mexico Press, Albuquerque (2007)

"The Anasazi", pp 227-228, in The New Book of Knowledge Encyclopedia, Scholastic Library Publishing , Grolier, Danbury CT.(2006)

Straus, Lawrence (Distinguished Professor)
Continued to serve as Editor-in-Chief of the Journal of Anthropological Research"

Continued to serve as Book Review Editor for Archeology & Paleoanthropology of JAR

Continued to serve as a member of the Editorial Boards of 6 European archeology journals

Continued to co-direct excavations in El Mirón Cave (Cantabria, Spain) in summers of 2006 & 2007, with the involvement of several UNM graduate students and funded by UNM and the National Geographic Society; currently excavating early Magdalenian and Solutrean levels, about 16-17,000 radiocarbon years old

Continued to serve as Member of the U.S. National Committee for the International Union for Quaternary Research (INQUA), appointed by the National Academy of Sciences

Continued to serve as Vice President of the INQUA Commission on Paleoecology & Human Evolution

Continued to serve as U.S. Member of the Commission on the Upper Paleolithic of Europe of the International Union of Prehistoric & Protohistoric Sciences (UISPP)

Gave numerous public talks in Spain and U.S. (including ASU and Maxwell Museum) and (in absentia) a paper at the Annual Meetings of the Society for American Archaeology

Continued as Associate Member of the Instituto Internacional de Investigaciones Prehistoricas at the Universidad de Cantabria (Santander, Spain)

Continued to chair the Clark Field Archive & Library Policy Committee

Continued to serve as Library Liaison for Anthropology & Member of the Board of Archeologists

Member of the search committee to hire a Mesoamerican Visiting Assistant Professor of Archeology

Served as reviewer for numerous other journals and funding agencies and universities

Provided pro bono consultation for the French Ministry of Culture on antiquities legislation

Watkins, Joe

Presenter, "Unlocking the Gate: Opening Archaeology to Indigenous Voices" in the SAA Committee on Native American Relations Sponsored symposium "Archaeologists as Gatekeeper of Native American and Hawaiian Identity, 72nd Annual meeting of the Society for American Archaeology, Austin, Texas. April 2007

Discussant, Archaeology Division of the American Anthropological Association Sponsored symposium "Residential Burial: A Multi-Regional Exploration", 72nd Annual meeting of the Society for American Archaeology, Austin, Texas. April 2007

Moderator, 4th Annual Ethics Bowl, 72nd Annual meeting of the Society for American Archaeology, Austin, Texas. April 2007

Presenter, "The Unknown Past: Heritage and Ownership in Indigenous Archaeologies". *Negotiating the Past: Culture, Heritage, Politics* UMass Amherst Interdisciplinary Seminar in the Humanities and Fine Arts (ISHA) Lecture 2007, March 2007

Plenary presentation, "A Brief History of American Indian/Archaeologist Relationships", Sixth Annual "'To Bridge a Gap' Conference", Norman, Ok. March 2007

Co-Moderator and facilitator, Sixth Annual "'To Bridge a Gap' Conference", Norman, Ok. March 2007

"Assuaging the Guilt: Can Reparations to American Indians be more than Apology?" Paper presented at the Reparations in Comparative Perspective: African American, Jewish, Native American, and Afro-Latin American Issues symposium, Johns Hopkins University, February 2007

"Who's right and what's left of the middle ground? Repatriation as political action." Paper presented at the Conference on Repatriation of Cultural Heritage, Nuuk, Greenland, February 2007

Presenter, with John Fryer, "Native American Perspectives". New Mexico SiteWatch Site Steward's Conference, Albuquerque. December 2006

Discussant, Invited Presidential Session *Critical Intersections Engendering Indigenous Knowledge: The Contributions and Enduring Significance of Beatrice Medicine*, 105th Annual Meeting of the American Anthropological Association, San Jose, Ca, November 2006

"Parsing the Past: An American Indian Perspective on the Antiquities Act." Paper presented in the Invited Presidential Session *The 1906 Antiquities Act: A Century of Critical Intersections and Dangerous Issues*, 105th Annual Meeting of the American Anthropological Association, San Jose, Ca, November 2006

"Indigenous Perspectives on Archaeology: Issues and Answers" – Public Access TV Channel 27, Albuquerque, September 2006

"Melding Science and Tradition" – Public Access TV Channel 27, Albuquerque, September 2006

Moderator and presenter, "Native Americans and Archeologists Working Together" panel, 69th Pecos Conference, Navajo Lake, NM. August 2006

"Melding Science and Tradition", Chaco Canyon Night Sky Program, Chaco Canyon National Monument. July 2006

"Indigenous Perspectives on Archaeology: Issues and Answers", Chaco Canyon Night Sky Program, Chaco Canyon National Monument. July 2006

University committees:
Member, Institutional Review Board, University of New Mexico (2007)
Member, College of Arts and Science Dean Search Committee (2006-2007)
Member, Department of Anthropology Human Biology Search Committee (2006-2007)

DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

DEPARTMENT LECTURES

Snead-Wertheim Endowed Lectureship
Dr. Suzanne Oakdale, UNM Department of Anthropology
Ethnicity and Eating Together in the Brazilian Amazon: Indigenous Autobiographical Perspectives
Thursday, April 19, 2:00 pm, Hibben 105

Butler Memorial Lecture
Elisabeth Stone, UNM Department of Anthropology
Through the Eye of a Needle: Understanding the Use of Fiber and Hides in Northern Spain, 20,000-10,000 Years Ago
November 21, 7:00 pm, Anth 163

Ruth E. Kennedy Memorial Lecture
Nicole Kellet, UNM Department of Anthropology
Microfinance and the Empowerment of Women in the Peruvian Highlands
April 4, 2007, 7:30 pm, Hibben 105

Public Anthropology Mid-day Series
Dr. Eric Haanstad, School of Advanced Research and the University of Wisconsin-Madison
Public Anthropology and the Thai Police State
Thursday, April 24, 2007, 12:30pm, Anth 178

Dr. Andrew Sussman, UNM Department of Family and Community Medicine and the RIOS Net Project
A Call to (Broken) Arms: Medical Anthropology in an Era of Evidence
Thursday, February 15, 2007, 12:30 pm, Anth 178

Dr. Jeffrey Hanson, U.S. Bureau of Reclamation
Lessons from Lost Soldiers: Incident at the Fort Craig Cemetery
Thursday, October 19, 2007, 12:30 pm, Anth 178

Dr. Aneesh Aneesh, University of Wisconsin-Milwaukee and the School of American Research
Culture Troubles: India's International Call Centers and the Post-Social Shock of Global Work
Thursday, October 5, 2007, 12:30 pm, Anth 178

Dr. Julie Velásquez Runk, University of Georgia

Collaboration, Participation, and a Research Agreement: Experiences Working with Panama's Wounaan
Thursday, November 30, 2007, 12:30 pm, Anth 178

XXIII Journal of Anthropological Research Distinguished Lecture
Dr. William McGrew, Cambridge University
New Wine in New Bottles: Prospects and Pitfalls of Cultural Primatology
November 9, 2006, at 7:30 pm, Anth 163

Specialized Seminar
Thirty-five Years of Chasing Chimpanzees: Lessons Learned and New Findings
November 10, 2006, 12:00 pm

XXIV Journal of Anthropological Research Distinguished Lecture
Dr. Donald Grayson, University of Washington Seattle Museum
Ice Age Extinctions in North America: Deciphering the Cause
March 22, 2007, at 7:30 pm, Anth 163

Specialized Seminar
Subsistence Across the Middle-Upper Paleolithic Transition in France
March 23, 2007, 12:00 pm

Ancestors Lecture Series
Dr. Heather Edgar, University of New Mexico Maxwell Museum
African American Biohistory: Tracing Population Change through Teeth
Thursday, September 21, 2006, 7:00 pm

Dr. Lawrence Straus, UNM Department of Anthropology and Editor JAR
What's Old and What's New at El Mirón Cave: Paleolithic Life and Art in Cantabrian Spain
Wednesday, January 31, 2007, 7:00 pm

DEPARTMENT OF ANTHROPOLOGY
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HUMAN NATURE

Springer.Science has bought *Human Nature* from Transaction Publications. This was unexpected but very advantageous turn of events. Springer.Science offers all the advantages of full electronic publishing that were not available to us through Aldine de Gruyter or Transaction Publications. These advantages include complete electronic submission and handling of the review process, article-based submission and Online First publication for authors, greatly expanded international marketing, an online version available to most libraries in the US through a library consortium agreement, and access on line to all issues of *Human Nature* going back to Volume 1. As a result, the journal will have a major expansion in distribution to both an international readership and to libraries. The transfer of the journal began with Volume 18(2) of 2007.

During the 2006-2007 publication year, *Human Nature* received a total of 63 submissions of which: 42 were rejected, 16 were accepted, and 5 received a request for revision and resubmission. This gives an acceptance rate of 25%.

Altogether Transaction published 478 pages of Human Nature in four issues, for a total of 21 articles distributed in two general and two special issues (*Human Sperm Competition* edited by Todd K. Shackelford and Aaron T. Goetz and *Human Fertility* edited by Jeffrey Schank). Special issues forthcoming are *Evolutionary Cognitive Neuroscience* edited by Stephen Platek and *Human Behavioral Ecology: Public Policy and International Development* edited by Bram Tucker.

Journal Citation Reports ISI rating for *Human Nature* is 13th out of 53 Anthropology journals and 14th out if 26 Social Science/Biomedical journals. Its impact factor is 1.079.

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DEPARTMENT OF ANTHROPOLOGY
JULY 1, 2006-JUNE 30, 2007

JOURNAL OF ANTHROPOLOGICAL RESEARCH (JAR)

In calendar year 2006, JAR received and reviewed 51 manuscripts. Each manuscript, besides being read by the editor, is normally reviewed by three to five specialists. 31 manuscripts were received from January 1 - June 30, 2007 and 14 more to date (9/12/2007). We have continued to note an increase in submissions from foreign authors. This fact requires additional effort by the Editor, Copy Editor, and Compositor, but helps bring JAR (and UNM) increased positive international exposure.

JAR has slightly increased its subscription base. Subscribers are from all 50 states, Washington D.C., Puerto Rico and Guam, plus 55 foreign countries on five continents. Free subscriptions are provided to UNM Anthropology Faculty, JAR Editorial Board, Administrators, and Libraries, as well as to indexing agents both in the U.S. and abroad.

Volume 62, 2006 contained 604 printed pages: 16 articles, review essays, plus editorials and obituaries and 106 book reviews.

Volume 63, nos. 1, 2 and 3 have been published for 2007 and no. 4 is in production at this time. Volume 64, no. 1 will be a special issue in memory of Robert Santley containing articles by his former students. Articles for Volume 64, no. 2 have been selected.

As in past years, JAR donated a significant number of unreviewed books to the Zimmerman Library.

JAR On-Line was initiated with Volume 62, 2006. This is an electronic version hosted by the University of Michigan, Scholarly Publishing Office. Sixty-three subscribers from 10 foreign countries and 22 states took this initial offer. The electronic version was offered to institutions only in conjunction with hard copy subscription at an additional fee of $25.00. Subscription gave access to Volume 61 and 62 on-line. In 2007, we will offer on-line access to three years of JAR to encourage additional subscribers.

JSTOR
JAR, with permission from the University, entered into an economically advantageous contract with JSTOR for electronic storage and delivery to JSTOR subscribing libraries. There is a three-year moving embargo wall. All issues from Volume 1, 1945 (starting as Southwestern Journal of Anthropology), some 30,000 pages, have been scanned and made available as of December 2006.

JAR Distinguished Lectures for 2006-2007:

The University of New Mexico Press represented JAR at the meetings of the Society of American Archaeology, the American Anthropological Association and the Society of Applied Anthropology. An advertisement was run in the December 2006 issue of both *American Antiquity.*

Professional Composition*	Anthropological Consulting and Editing, (AC&E) Albuquerque, New Mexico
Printing and Binding	Thomson-Shore, Dexter, Michigan
Distribution Subcontract	Unit Packaging, Ann Arbor, Michigan

Subscription Rates for paper increase for 2008 to $60.00 for institutions and $35.00 for individuals. For those institutions wishing to subscribe for the on-line journal, an additional fee of $25.00 is charged. These increases are due to withdrawal of periodical postage rates by the U.S. postal service. JAR's policy is to continue to deliver a high-quality, peer-reviewed publication in all areas of anthropology in a way which is efficient, economical, and accessible to institutions and individual scholars worldwide. We pride ourselves in prompt, helpful, professional service to authors and subscribers, as well as to UNM Anthropology.

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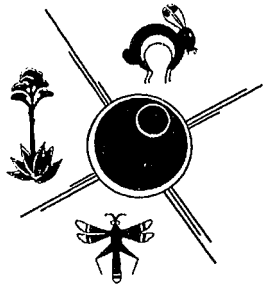
of the
DEPARTMENT of BIOLOGY



FY 2006–07
Annual Report
by:

Eric S. Loker, Chair
Department of Biology
The University of New Mexico

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M. December 2006 Department Newsletter (in dept. copy only)

THE UNIVERSITY OF NEW MEXICO
DEPARTMENT OF BIOLOGY

FY 2006–2007
EXECUTIVE SUMMARY

The Biology Department at the University of New Mexico continues to experience an almost unbelievable level of demand for its undergraduate academic programs (now 1,270 majors), supports a thriving graduate program, and carries out an intensive research agenda that has generated $69M in financial resources and considerable academic prestige for UNM and the state of New Mexico. For years these activities have been carried out in obsolete buildings (primarily Castetter Hall) that have been stretched to their absolute capacity, and which limit the potential for growth in the biological sciences at UNM. Happily, several building initiatives either have been completed or are underway to rectify some of these problems. New classrooms have been provided for our students in a 24K SF basement remodel, and the first phase of what will eventually be a 45K SF addition featuring new research labs will begin construction in January, 2008. The addition will enable us to promote areas of strength and to hire more faculty. Assuming the latter occurs, the Biology Department then may approach a size that requires a new administrative structure to govern it. The higher administrative landscape at UNM again has undergone recent and extensive change, and it is surely the case that the ongoing instability in Scholes Hall has impeded our progress. The latest changes, however, are viewed as favorable—many of the administrators involved are themselves biologists—and offer considerable optimism for the future and for our potential to continue to grow and to excel. Given the general reduction in levels of federal research support that are being experienced across the entire country, creative and collaborative relationships between biologists and administrators to identify new sources of funding will be vitally important. In light of the fact that UNM is embarking on an extensive expansion in the form of a Rio Rancho campus, for which Biology's role has not been clearly articulated, there is also a general concern among the Biology faculty (indeed, all of UNM's Main Campus faculty) that limited state resources will shift away from the Main Campus, potentially further jeopardizing the integrity and continued prosperity of Biology teaching and research enterprises. Also of direct concern to the Biology Department is the deficit that has been uncovered in the Main Campus Research Office, which threatens to reduce eventually grant overhead funds flowing back to the department. This is a worrisome development as we are very dependent on overhead funds to keep our research programs thriving, especially in a period when funding is diminishing. Among the biggest factors holding UNM back from achieving greater national prominence is our poor six-year graduation rate, about 43% for UNM undergraduates. For lack of appropriate institutional support, at this time, there is no way for us to know how well Biology is doing in this regard in comparison with the rest of the campus, so this needs to receive increased attention, as does the option of increasing admissions standards. In conclusion, although we have accomplished much, are viewed as one of the strongest academic units on campus, and are often in the vanguard for promoting improvements and change at UNM, this is no time for Biology to rest on its laurels or shrink from the considerable challenges that lie ahead in maintaining our excellence in both teaching and research.

This is the fourth annual report prepared by Biology Chairman Dr. Eric Loker. He has been ably assisted since Fall, 2005 by two Associate Chairs, Dr. Steve Stricker, who has as his major responsibilities oversight of building-related matters and establishment of committee assignments, and Dr. Richard Cripps, who has as his major responsibilities the scheduling and staffing of our classes and

oversight of student advising. This report differs somewhat from other recent annual reports, in part because it was never clear that anyone ever read the reports or used them for anything. This year, however, it is hoped that the report will actually be read by the members of our academic review team who will be evaluating our undergraduate and graduate programs in the Spring, 2008. Provided below are several summary sections that highlight the activities of the Biology Department over the 2006–2007 academic year.

STUDENTS

Undergraduate Program

Overall Demand on Biology Courses and Programs: Our latest numbers suggest that the overall demand for Biology courses and programs has never been higher (see Tables 1–3). The number of declared Biology majors has increased again, exceeding 1,200 for the second straight year. Once again, the total number of credit hours generated has increased, for the second straight year topping 24,000. This reflects a continuing optimism among our students with respect to the number of career options basic training in Biology offers: dentistry, medicine, veterinary school, biotech industry, conservation biology, and graduate training in biology, to name a few.

Demand for the non-majors courses Biol. 110 and Biol. 123 remains strong and, as discussed below, our effective partnership with the College of Arts and Sciences has helped us meet those demands, thus they are not the issue they were four years ago. The focus now can shift from the immediate concern of simply finding a seat to accommodate all of our students to working to improve the quality of instruction, particularly at the upper levels of undergraduate instruction. Several developments will enable this: the stable presence of an experienced team of lecturers, brand-new teaching facilities going on-line in the Fall, 2007, and implementation of course fees for all of our courses that will enable us to provide more up-to-date equipment and materials for our classes. Although we have made some progress in recent years in increasing the support staff for our teaching mission (the introductory program now has a staff assistant, as does the microbiology program), it would be very helpful to have another 1.0 FTE support staff to assist with the preparation, equipment maintenance and coordination of our upper-level undergraduate courses. This is especially important now because we have brand-new teaching facilities, and we need someone to lok over them to ensure they are used optimally. Another problem looming that we must be mindful of is the Anatomy and Physiology (Biol. 237/247L, 238/247L, 447) teaching program directed by Lecturer Jim Swan. This program is among the most popular offerings of our undergraduate curriculum and traditionally has been taught in the Pharmacy Building on the North Campus. The intention of the Health Sciences Center is to move the teaching of these courses to a new North Campus education building. We need to be sure that Jim is given adequate space to teach these courses in the new facility, so that the high demand can continue to be met.

In general, we must also remain vigilant lest we again experience more student demand than we can meet. This now is most likely to occur in Biology 201, because shortly after we implemented our major's core curriculum, the Pharmacy program decided they wanted their students also to take Biol. 201, instead of Biol. 123. So, no sooner did we change our curriculum to better direct various categories of students through our courses than other programs changed their requirements in ways that put unexpected demands on them.

Table 1: Number of Students With a Declared Major in Biology

	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007
Undergraduate:								
A&S	816	796	816	841	821	865	856	867
University College	254	223	262	262	423	346	397	383
Second Major	n.a.	n.a.	n.a.	n.a.	23	18	9	21
Total:	1,070	1,019	1,078	1,103	1,267	1,229	1,252	1,271
Graduate:	98	95	100	97	101	97	93	97

Table 2: Total Student Credit Hours (SCH)

YEAR	SCH	YEAR	SCH	YEAR	SCH
1989–90	17,527	1999–00	21,882	2004–05	23,270
1991–92	20,944	2000–01	21,358	2005–06	24,155
1993–94	22,135	2001–02	21,459	2006–07	24,723
1995–96	23,360	2002–03	21,832		
1997–98	21,627	2003–04	22,883		

Table 3: Student Credit Hours by Semester

Semester	2001–02	2002–03	2003–04	2004–05	2005–06	2006–07
Summer	715	649	1,109	1,379	1,359	1,330
Fall	10,748	10,707	11,200	11,001	11,502	11,316
Spring	9,996	10,476	10,574	10,890	11,294	12,077
Total	21,459	21,832	22,883	23,270	24,155	24,723

Implementation of the New Majors Core Curriculum: The history of the phased implementation of our still relatively new core curriculum is shown in Tables 4A and 4B. One can see a progressive increase in enrollment in Biology 201, 202, 203 and 204, and the phasing out of the old core (Biology 121, 122, 219 and 221). Although the overall level of enrollments in all four new core courses has increased considerably, by about 30.5% from 2005–06 to 2006–07, now that we have essentially achieved full implementation, we also should be approaching a steadier state in the enrollment levels for the core courses. Although by all accounts from the instructors involved, the new core curriculum has been a step forward, including new emphases on problem-solving, working in teams, and achieving a more comprehensive understanding across the spectrum of modern biology, the biggest shortcoming

now is to evaluate how are students are doing and whether the program is achieving its goals. We undertook a survey in Biol. 201/202 in the Spring of 2007, which illuminated some important points. We note that, while there were generally favorable comments concerning the students' satisfaction with the Biology Department and its cadre of instructors and advisors, there is always room for improvement. Most useful to us was the observation that, of the students taking Biol. 201, 63% professed to be Biology majors. Consequently, more than 30% of students plan on taking Biol. 201 and 202, but no further courses in the Biology core. Presumably, these represent pre-health students; in the future, it would be helpful to investigate more closely the intent of this 30%. We also note that, of the students taking Biol. 201, 60% plan to attend medical or other pre-health schools, whereas only 11% plan to enter graduate school in biology. It would be interesting to determine how this number changes during the course of a Biology major's career, using similar evaluations in higher level classes.

Clearly, more work and more personnel are required to analyze fully the progress of our students and the efficacy of the new core curriculum in reaching its goals. Nevertheless these data, which were generated using our own initiative and very limited resources, provide a useful entry point into such an analysis.

Table 4A: Number of Students Registered in Undergraduate Core Courses for Biology Majors

COURSES	2001–02	2002–03	2003–04	2004–05	2005–06	2006–07
121 & 122	1,105	1,236	1,627	—	—	—
219 & 221	854	704	667	212	—	—
201	—	—	210	457	586	688

Table 4B: Number of Students Registered in Core Courses, Fall 2004–Spring 2007

COURSE	FALL 2004	SPG. 2005	FALL 2005	SPG. 2006	FALL 2006	SPG. 2007	TOTAL
201	219	238	266	320	313	375	1,731
202	37	118	193	196	223	241	1,008
203	—	25	73	96	136	143	473
204	—	—	29	91	92	127	339
Total	256	381	561	703	764	886	3,551

Non-Majors Service Courses: Demand remains steady and high for our two introductory level non-majors courses, Biol. 110 and Biol. 123 (Table 5). A bit uncertain is the enrollment future for Biol. 123, which, because of the involvement of nursing students in particular, looks to remain strong, even though the Pharmacy program is opting now to send its students to Biol. 201 and 202. As noted above, one significant change that has occurred in recent years is that we are not nearly as plagued by problems of meeting enrollment demands for Biol. 110 and Biol. 123. The lack of seats in such courses used to be mentioned regularly in both campus and Albuquerque newspapers as a limiting factor for

students getting through UNM in a timely manner. Thanks to excellent cooperation between Biology and the College of Arts and Sciences, in particular because of the efforts of our Associate Chair Dr. Richard Cripps and Associate Dean Dr. Mark Ondrias, these problems have been largely overcome. A big part of the solution has been the hiring of an excellent cadre of lecturers to meet the demand for these two particular courses. The lecturers provide a far better solution than the old approach of piecemeal hiring of part-time faculty: they have a more stable presence in the department, and they acquire experience in teaching these courses such that their performance improves and is more consistent by far than what is achieved by part-time instructors. Furthermore, lecturers are valued faculty members who have good ideas about how to teach students and who make many valuable contributions to the governance of our department. The presence in our department of 8.5 FTE lecturers has changed the dynamics of our department, and presents some interesting and important challenges, which are discussed under "Faculty Accomplishments."

Table 5: Number of Students Registered in Beginning Biology Courses for Non-Majors

COURSES	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
110	522	489	527	556	609	585
123	174	269	555	791	1,028	987

Actions to Improve Our Undergraduate Program: Every year we are given the opportunity to request equipment funds from our college, and every year we submit an extensive request focused on our undergraduate courses. In 2006-07, we received $24,088 for new microscopes for our introductory labs and for new computers for our Anatomy and Physiology courses. However, given that the state-funded materials and services budget provided by the College of Arts and Sciences has remained virtually flat for many years while our actual expenses for running courses continue to increase, with approval of the UNM administration, recently we implemented a comprehensive program for charging course fees for virtually all of our courses (see Appendix F). Although it is well understood that this poses an additional financial burden on our students, one that really should be borne by the state, we have tried to keep these fees reasonable, and we are meticulous to ensure that these fees are actually spent to improve the courses involved. It is fair to say that this action has improved dramatically our ability to upgrade the equipment and supplies available to our undergraduates. As just some examples, this past year these funds were used to purchase new microscopes for histology, microbiology, botany and entomology labs, new models for the introductory labs, computers for a new math biology course, and a new van for field trips.

Our biggest investment in time, energy and money in improving our undergraduate teaching program has been to work very hard to bring the funds associated with passage of a student-funded bond initiative (a sum of $7.2M) to fruition as soon as possible, in the form of a completely remodeled floor of Castetter Hall entirely dedicated to new classroom and teaching lab facilities. This project began in January 2007 and will be complete by mid-October, 2007. It involves 24K SF of newly renovated space and will provide five new teaching labs, each of ~1,200 SF, three for our majors core and two for upper-level instruction. We also will provide three new classrooms, with 41, 56 and 106 seats, primarily for undergraduate instruction. Also associated with this remodel are new offices for seven of our lecturers, an advising complex, and new interior and exterior study areas designed to draw

students into the department. Additionally, Biology has been a main contributor to planning and developing a $24M Math/Science Learning Center, another building funded by the student bond issue, which will commence construction in 2008. This building will include at least two more labs for our non-majors Biology courses. When this building is complete, we will have succeeded in completely deactivating the introductory biology teaching labs currently in use, which are dismal, tiny (750 SF), and have been in continuous use since 1952 when the old wing of Castetter Hall was built.

Undergraduate Research: The Biology Department has been a leader at UNM in creating a climate in which our undergraduates are encouraged to get first-hand experience in undertaking biological research under the direction of a faculty mentor. A survey of our 2004 graduates indicated that more than half of our students had participated such an invaluable experience during their tenure in our department, and this tradition continues. Biology's Annual Research Day continues to be a cornerstone of our program in undergraduate and graduate research. Our 16th Annual Research Day was held April, 13, 2007; our keynote speaker was Dr. Thomas Whitham, Regents' Professor, College of Engineering and Natural Sciences, Northern Arizona University, who spoke on the topic of "The Genetic Components of Community Structure and Ecosystem Processes, and Their Conservation Implications." Research Day featured 11 oral presentations and what looks to be a record for posters, a total of 50 in all.

Nine of our students graduated with academic honors in 2006–07 and four of our students were recipients of NSF Scholarships in Science, Technology, Engineering and Mathematics (Tamara Brooks, Erin Hahn, Brandon Velivis and Victoria Youngblood). Seven students participated in the Minority Access to Research Careers (MARC) Program, and 18 undergraduate students and one graduate student participated in the Initiatives to Maximize Student Diversity (IMSD) Program.

Degrees: Another annual highlight is our graduation ceremony, held on May 12, 2006. Our commencement address was given by the Governor's Science Advisor, Dr. Thomas Bowles. A total of 26 students received their Bachelor of Arts diploma, and 229 students received their Bachelor of Science diploma. As is noted in Table 6, the number of students receiving either a B.S. or B.A. degree in Biology is likely at an all-time high for us (255), though reporting difficulties in the central administration have made it difficult to obtain accurate numbers in the past.

Table 6: **Degrees Awarded in Biology** (unofficial count obtained for May graduation)

	2000–01	2001–02 †	2002–03	2003–04	2004–05	2005–06	2006–07
B.S.	201	209	207	186	213	132	229
B.A.	23	27	29	26	37	21	26
M.S.	6	7	9	6	7	7	4
Ph.D.	6	13	16	14	11	14	21

† A&S 2001–02 data: B.S. 128, B.A. 19

Graduate Program

Our graduate program continues to be strong and our graduate students continue to perform at a remarkably high level, as more thoroughly documented in Appendix J.I.A.5. There were 101 graduate students enrolled in our program as of the start of the Fall 2006 semester, down from last year's figure of 109. During the last year (Summer '06, Fall '06 and Spring '07), we awarded four M.S. and 21 Ph.D. degrees (see Table 6 and Appendix D). This represents a sharp increase in the number of Ph.D. degrees awarded in recent years (11 in 2004–05 and 14 in 2005–06).

In 2006–07, we received 70 new applications for admission into our program (as compared to 61 the preceding year), modestly reversing a downward trend we had seen for several years. Of the 70 applications received, admission was offered to 31 and, of these, 23 accepted. Our acceptance rate of 74% (23 of 31) is very high, continuing the strong trend from the previous two years (100% in 2004–05 and 69% in 2005–06).

Of the 23 new students who began their studies in Fall, 2006, there were six new M.S. and 17 new Ph.D. students. The number of graduate students entering our program was 24 in Fall, 2002; 18 in Fall, 2003; 28 in Fall, 2004; 18 in Fall, 2005; and 23 in Fall, 2006. Thus, there is no sign of a decline in our actual recruitment of graduate students into our program, though we would prefer to have more applications and we need to work harder to increase applications. We continue to attract blue-chip students and to compete successfully with prestigious universities to recruit such students. Our on-line application process has been improved dramatically, but this needs to be scrutinized to see if it could be improved further. An update of the department's web page with respect to its attractiveness for graduate recruitment needs to be done, and we need to reconsider ways to entice foreign applicants.

We must consider our graduate program with respect to national trends regarding employment opportunities for graduates in the biological sciences that have been highlighted recently in *Nature* (Check, E. 2007. More biologists, but tenure stays static. *Nature* 448:848-849, 23 August 2007). In other words, should we bemoan the fact that our graduate program is not growing, in a difficult funding climate, when opportunities for employment, either as academicians or as research scientists, are static?

We have to be mindful continually of the stipends we award students ($15,366.61 for Master's students, $16,660.11 for Ph.D. students), which, for the time being, especially when considered with respect to the cost of living in Albuquerque, and the health and other benefits UNM provides, are considered by our students to be competitive. Nevertheless, many national programs now compensate graduate students at significantly higher levels.

FACULTY

Composition: At the start of the Fall, 2006 semester, we had nine lecturers and 34 tenure-track faculty members on campus, with Drs. William T. Pockman and Blair O. Wolf on sabbatical leave for the fall. Dr. Felisa Smith officially began her appointed as an Associate Professor of Biology in Fall, 2006. Dr. Smith's interest focus on paleoecological and evolutionary research, particularly on the effects of current global and past climatic change on mammals. Prior to her appointment as a tenure-track professor, she had served as a research professor in the Department of Biology.

At the start of the Spring 2007 semester, Drs. Kelly B. Miller and Christopher Witt arrived and began their faculty appointments, so, at that time, we had 38 tenure-track faculty on campus, with no one on sabbatical leave in the spring. Dr. Miller came to UNM from Brigham Young University, where he was a Research Associate in the Department of Integrative Biology. His interests are in systematics and evolution of insects, particularly as it relates to aquatic beetles. He is both an Assistant Professor of Biology and the Curator of Arthropods in the Museum of Southwestern Biology (MSB). Dr. Christopher Witt, who also has a dual appointment as an Assistant Professor of Biology and a Curator of Ornithology at MSB, arrived from the Museum of Vertebrate Zoology, University of California, Berkeley. His interests are in avian systematics and molecular evolution, and he works specifically on high-altitude adaptations in hummingbirds.

Dr. Scott Altenbach, for many years one of UNM Biology's most visible professors and one of its most stellar classroom teachers, retired at the end of the Spring, 2007 semester. He continues to study the biology of bats and their use of abandoned mines as an emeritus professor (see our December 2006 newsletter for a feature article about Dr. Altenbach). Dr. Bob Frankis decided to resign his Lecturer III position during the Summer, 2007.

Dr. Terry L. Yates, a Biology faculty member, continued to serve as a full-time Vice Provost for Research and Economic Development at UNM. Another faculty member, Dr. Donald W. Duszynski continued to serve in a 0.25 FTE capacity as the Director of the Museum of Southwestern Biology.

The 2006–07 academic year was an active one with respect to making faculty hires. Dr. Vaishali Katju was hired as an assistant professor, to begin officially at the start of the Fall, 2007 semester. Dr. Helen Wearing also was hired to begin in Fall, 2007. Dr. Wearing was hired under the auspices of the B.A./M.D. program centered in the College of Arts and Sciences, and she will have a 50:50 joint appointment in Mathematics and Statistics and Biology. Dr. Joyce Fernandes was selected to fill a position in cell/molecular biology and, though expected to arrive during the Spring of 2008, she has since declined our offer, necessitating a new search process be undertaken, starting in the Fall, 2007. Attempts by the Biology Department to make a joint hire with Pharmacy for a chemical biologist also were unsuccessful, as both identified candidates declined the offers made to them. This had to do largely with the relationship of this position to large grant programs in operation at the Health Sciences Center. The Biology Department also hired Dr. Paul Farnsworth as a Lecturer III; he is interested in fermentation biology and designs and builds fermentation systems for the production of foods and beverages by microbes.

In addition to ongoing hiring processes within Biology, two additional, important hiring processes going on at other levels of UNM subsequently proved to have considerable impact on Biology. The first was the hiring of Dr. Brenda Claiborne as the new Dean of the College of Arts and Sciences. Her prior academic post was at the University of Texas, San Antonio. Dr. Claiborne is a neurobiologist, who also holds the position of Professor in our department. Currently, her research efforts are focused on elucidating how neurons change in the aged brain and on discovering the molecular basis of "left brain/right brain" differences during development. The second hiring process to influence profoundly our department was the search for a new UNM President, which culminated in the hiring of Dr. David J. Schmidly, who, prior to coming to UNM, was the CEO and President of Oklahoma State University. He is a zoologist with interests in systematics and natural history, particularly of mammals. Dr. Schmidly now also holds the position of Professor in the Biology Department.

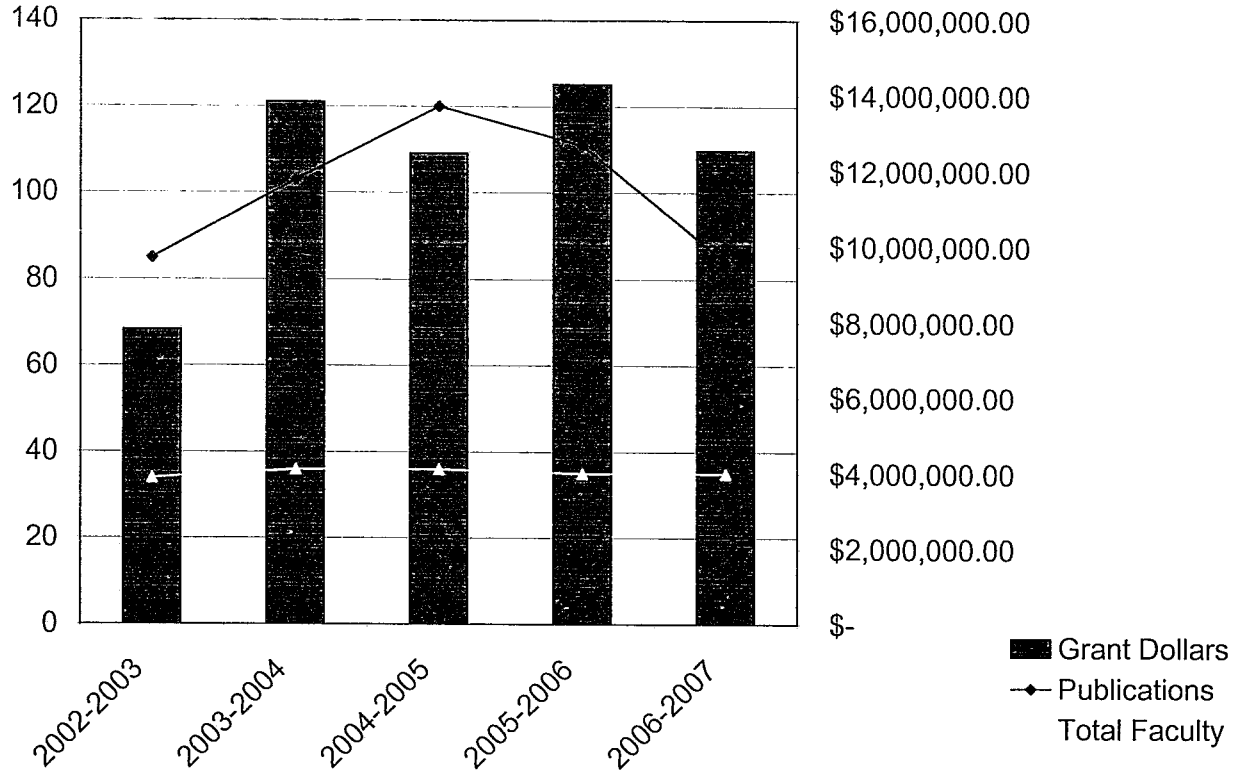
Dr. Andreas Wagner is on leave of absence for the 2006–07 academic year at the University of Zurich, Switzerland. All of these considerations make it difficult to provide a simple tally, but by the start of the Fall 2007 semester, our lecturers total 8.5 FTEs and our tenure-track faculty totaled 40 FTE, the latter figure including three high-level, full-time UNM administrators (Claiborne, Schmidly and Yates).

The 2006–07 year, unlike both the year before and the year to follow, was not one that involved extensive formal tenure and promotion cases. Dr. Charles Cunningham came up for mid-probationary review and was approved for another three-year appointment. Dr. Tina Takacs-Vesbach was approved for a research semester for Spring, 2007, and sabbatical requests were submitted for the Fall 2007 semester by Drs. Clifford N. Dahm, Astrid Kodric-Brown and James H. Brown, all since approved.

As some parting comments regarding faculty composition, although by some means of counting the overall number of tenure-track faculty has never been higher, the aggregate scientific productivity of the Biology faculty, as measured by the number of publications, has declined in the past two years, including a relatively sharp decline in 2006–07 (see Figure 1). Obviously, this is of concern, begging the question, why? Part of the explanation lies in the simple fact that three Biology faculty are, in essence, full-time administrators, and that extensive administrative demands are placed on several other Biology faculty as follows: Thomas F. Turner as newly-appointed director of MSB; Eric S. Loker as chair of Biology and director of Center for Evolutionary and Theoretical Immunology (CETI); Steven A. Stricker and Richard M. Cripps as associate chairs of Biology; Margaret Werner-Washburne as director of the Initiatives to Maximize Student Diversity (IMSD) program; Mary Anne Nelson as director of the Minority Access to Research Careers (MARC) program; Bruce T. Milne as director of UNM's Sustainability Program; and James H. Brown and Felisa Smith as director and co-director, respectively, of the Program in Interdisciplinary Biological and Biomedical Sciences (PIBBS). Also, regarding overall numbers of faculty, as pointed out long ago by a previous program review, given that the Biology Department covers the entire spectrum of modern biology on the Main Campus (for example, there are no Entomology, Botany or Biotechnology Departments at UNM), we are stretched to the limit and more hires must be made in the biological sciences if we are even to come close to the level of representation in biology seen at our peer institutions. The relative lack of faculty also exacerbates a general problem faced by our department: all around campus are programs that would like to have more productive interfaces with our department; Computer Science, Engineering, Physics, Nanotechnology, and Pharmacy are just some such programs. This presents us with a fundamental dilemma: do we reach out to these programs and risk losing focus and critical mass pertaining to what we have always done well (core biology), or do we remain insular and miss out on all the great opportunities for multidisciplinary approaches to instruction and research? Unless net new positions are forthcoming, and, of course, for the time being, we are limited by space in any case, we will continue to be hampered by this dilemma.

Issues Related to Lecturers: As noted earlier in this report, one of the relatively new dynamics with respect to the Biology Faculty is the presence and impact of our team of lecturers, now numbering 8.5 FTE: five Lecturer II's (L. Couch, C.L. Council-Garcia, C.O. Fridrick, M. Shaner, J. Swan), three full-time Lecturer III's (P. Farnsworth, B. Hofkin, K. Howe), and one 0.5 FTE Lecturer III (C. Adema). Both the Biology Department and UNM in general have never fully addressed several important issues related to the status of lecturers as faculty members. Among the important list of items that need to be clarified for lecturers are: a meaningful system to provide promotion and career

FIGURE 1



Figures supplied from a review of the Biology Department Annual Reports

advancement; a sustainable means to evaluate annually lecturer performance, including means to identify superior performance as well as sub-par performance that may not merit contract renewal; improved methods for ensuring longer term commitment by UNM to lecturers; and the provision of ways to allow lecturers to extend and enhance their professional development. One of the important goals of the 2007–08 academic year is to develop suggestions, originating with our lecturers, to improve their lot, which we hope to then take both to the College of Arts and Sciences and to UNM at large to be considered for formal implementation.

Faculty Accomplishments: In 2006, the tenure-track faculty published 79 articles in scientific journals. In addition, four book chapters and reports were published, as well as one book (Sherwin, R.E. and J.S. Altenbach. *A Primer for the Management of Abandoned Mines for Bats.* Bat Conservation International, 358 pp.) and one edited volume (Barton, L.L. and J. Abadia, eds. 2006. *Iron Nutrition in Plants and Rhizospheric Microorganisms.* Springer: Dordrecht, The Netherlands). Twenty-seven of our tenure-track faculty members (77%) reported publications in 2006. Between the years 2000–2006, of the 95 articles originating from the State of New Mexico published in the two preeminent scientific journals of our time, *Science* and *Nature*, 27 (28%) of them originated from the Biology Department, far more than any other unit in the state, including LANL and the School of Medicine.

What follows are some vignettes indicating honors received or noteworthy accomplishments of our faculty during 2006–07.

Dr. Robert D. Miller had an exceptionally productive year, publishing eight papers, and playing an integral role in completion of the *Monodelphis* genome paper, featured (including cover) in *Nature* in May, 2007. Rob also was honored by being offered an Visiting Program Director at the National Science Foundation in 2007–08.

Dr. Clifford N. Dahm was selected as the 52nd Annual Research Lecturer by UNM. This is the highest research honor bestowed by the university. Cliff is the fourth biologist to receive this honor, along with active Distinguished Professors James H. Brown and Randy Thornhill, and recently retired Dr. Kathryn G. Vogel.

Professor Scott L. Collins lead a successful team grant-writing effort, culminating in re-funding of the Sevilleta Long Term Ecological Research project, the fourth time this influential program, for which UNM has become well known, has been funded.

Dr. James H. Brown was elected to Honorary Membership in the American Society of Mammalogists. Jim also had three papers appear in the *Proceedings of the National Academy of Sciences USA* during 2006. Along with Felisa Smith, Jim was successful in getting a major grant funded through the Howard Hughes Medical Institute for the "Program in Interdisciplinary Biological and Biomedical Sciences (PIBBS)".

Dr. Magarget Werner-Washburne was appointed as a AAAS Fellow in February, 2006. The American Association for the Advancement of Science is the world's largest general scientific society. Election as a Fellow is an honor bestowed upon AAAS members by their peers.

Dr. Donald W. Duszynski was selected as the first Distinguished Alumnus of the Department of Biology, Colorado State University in December, 2006.

Dr. Terry L. Yates became a member of the Board on Life Sciences, National Research Council, National Academy of Sciences in October, 2006.

Distinguished Professor Dr. Eric L. Charnov had his publications cited 630 times in 2006, and the logo for the 11th International Society of Behavioral Ecology Congress held in Tours, France honored two of his optimal foraging papers.

Sponsored Research: In 2006–07, 98 new research grants were obtained by the Biology Department, with a total value of $12,547,326. Although this figure is a reduction from the high-water mark of $14,296,847 of 2005–06, and is approximately equivalent to the sum we earned in 2004–05, given the general downturn in federal funding, we seem to be holding our own. The total grant portfolio held by the Biology Department exceeds $69 million (direct and indirect costs).

Some of the exciting new awards funded either with a start date between July 1, 2006 and June 30, 2007 or that were not mentioned in our previous report are as follows:

The Sevilleta Long Term Ecological Research (LTER) project was re-funded for the fourth time, with a proposal entitled, "Sevilleta LTER IV: Abiotic Pulses and Constraints: Effects on Dynamics and Stability in an Aridland Ecosystem" (S.L. Collins, PI, C.N. Dahm, M. Litvak, W.T. Pockman and K. Vanderbilt, co-PIs; NSF; $4,920,000, November 1, 2006–October 31, 2012). This ensures continuity of this valuable and visible program for another six years!

Dr. Bruce T. Milne again was successful in seeking funding for his Sustainability Studies Program, receiving $240,000 from the New Mexico State Legislature. It is hoped this funding will be recurring to support a stable program.

Working with the UNM administration, Dr. Mary Anne Nelson was successful in getting our NIH-supported Minority Access to Research Careers (MARC) Program funded for another five years, a program worth $1.74M.

Dr. William T. Pockman had a good year with respect to funding. In addition to playing an important role in getting the Sevilleta LTER grant refunded, he also received major funding from the U.S. Department of Energy for a grant entitled, "Causes and Consequences of Drought-induced Mortality in Piñon–Juniper Woodland" (N.G. McDowell and W.T. Pockman, PIs; U.S. Department of Energy Program of Ecosystem Research; $1,754,993, UNM subcontract $782,131, January 1, 2006–December 31, 2008).

Dr. Robert L. Sinsabaugh continues to be an effective proposal writer, his most recent success being the funding of a proposal entitled, "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; NSF Ecosystem Science; $570,359, July 2006–July 2009). This program will interface well with the LTER program.

In addition to launching the PIBBS program with Dr. James H. Brown earlier in 2006, Dr. Felisa Smith also was awarded another large grant entitled, "Research Coordination Network: Integrating Macroecological Pattern and Processes Across Scales"; (F.A. Smith, PI, S.K.M. Ernest and S.K. Lyons, co-PIs; National Science Foundation; $490,000, July 2006–June 2011).

Dr. Tom Turner was successful in getting a proposal funded that is entitled, "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 & Wildlife Service, Department of the Interior; $100,000, September 21, 2006–August 30, 2008, $50,000/year). This project is important in demonstrating the involvement of UNM Biology faculty in helping to solve some of the state's critical biodiversity problems.

Dr. Bob Waide, the director of the LTER Network Office, continues to be an effective fund-raiser. This past year another of his grants was funded, entitled, "Promoting Synthesis in the LTER Network" (R.B. Waide, PI; Supplement to the Long Term Ecological Research [LTER] Network Cooperative Agreement, National Science Foundation; $150,000, October 1, 2006–February 29, 2009).

Dr. Robert D. Miller was successful in renewing some of the core funding for his lab with a grant entitled, "Marsupial Immunobiology," recently funded by NSF to the tune of $600,000, commencing in May, 2007.

The Biology Department is fortunate to have so many successful research and training programs in our midst. This is a tribute to the hard work and creative efforts of our faculty, with essential support roles being played by the Biology staff. Recent months at UNM, however, have witnessed the emergence of problems relating to grants administration on the Main Campus, culminating in the production of an extensive Research Study Group report that calls for extensive changes in the organization and management of sponsored projects. The report can be seen in its entirety at: http://research.unm.edu/rsg/reports/reportfinal.pdf. One of the consequences is that the Office of the Vice Provost for Research and Economic Development has incurred a deficit that ultimately may require both the College of Arts and Sciences and the Biology Department to give up hard-won overhead funds. It also may lead to changes in basic research policy that result in less overhead flowing back to the colleges and departments that generate the funds in the first place. This raises considerable concern with respect to the long-term impacts on the research mission of our department, and vigilance is required lest the UNM research enterprise take a step backward.

MUSEUM OF SOUTHWESTERN BIOLOGY

The Biology Department continues to maintain a close working relationship with the Museum of Southwestern Biology (MSB), ensured by the fact that MSB curators are also tenure-track Biology faculty members. During the Summer 2007, the directorship of MSB was assumed by Dr. Thomas F. Turner, taking over for Interim Director Dr. Donald W. Duszynski, also an emeritus professor in Biology. Don played an important and productive role in addressing problems pertaining to MSB's occupation of the CERIA building, and has worked diligently to improve some of the support staff and other issues at MSB. Details are provided in his annual report, a brief summary of which follows this paragraph. The Biology Department values its close relationship with the MSB and looks forward to working with the MSB director and curators on some exciting new initiatives that have support from the highest levels within UNM, including the possibility of adding a new section to the MSB that could incorporate the national parasite collection.

From the MSB Annual Report, by D.W. Duszynski: The MSB continued to make major advances and accomplishments in all areas within its mission in 2006. Many of the building errors and substand-

ard construction issues that occurred during the renovation of Center for Environmental Research, Information and Art (CERIA) either were fixed or the funding is now in place to make the corrections and the remaining work is in the planning stage or in progress. On October 8, the MSB hosted the Gala Building Dedication/Open House of CERIA; several hundred visitors, with a good number from other universities, attended this historic event.

The MSB also hosted the combined meeting of the Society for the Preservation of Natural History Collections (SPNHC) and the Natural Science Collections Alliance (NSCA), May 23-27, with the theme of "The Road to Productive Partnerships," focusing on the various collaborating local, state and federal agencies for collection permits, curation and loan of specimens, and reports of locality information for museum and agency databases. See Appendix H for a more complete summary of the activities of the MSB during 2006–07.

STAFF MATTERS

Currently, the Biology Department staff includes 89 members, of which 26 are paid in part or full by I&G funds (see list below and Appendix B). The staff performs minor miracles on a regular basis to keep the department functioning as efficiently as possible. There were several significant staff events in the past year. The first was the resignation of Yvonne Martinez-Ingram, who left the department for the staff of the College of Arts and Sciences and a well-earned promotion. Catherine St. Clair replaced Yvonne, and we took this opportunity to redefine her position as an administrative assistant dedicated solely to the Department Chair. Human-resource functions formerly handled by Yvonne were divided between Reneé Santillanes (staff, research faculty and postdoctoral hiring) and Marla Wonn (tenure-track faculty). Second, both of the department's Coordinators for Lecture Demonstration resigned in the last year. Jack Miles replaced Andrina Ortiz as assistant to Cara Lea Council-Garcia, coordinator of undergraduate lower division major and non-major laboratory courses. Ivan Wang, long-time assistant to Lee Couch, coordinator of the Microbiology facility, was replaced by Yvonne Bishop early in FY 2007–2008. Finally, Cindy Mortensen resigned as Graduate Student Program Coordinator early in FY 2007–2008, also accepting a significant promotion in the Registrar's Office; a search for her replacement will be concluded momentarily.

Staff	89
Staff Separations	22
Post-Docs	13
Research Faculty	25
Faculty/Postdoctoral Associate Separations	10
Visiting Faculty	4
Unpaid Undergraduate Student Lab Volunteers	2
Unpaid Graduate Student Lab Volunteers	2
Visiting Scientific Staff	1

BUILDING PROJECTS

The issue of providing better space for the many activities of the Biology Department remains a central concern that has occupied much of the time of the departmental administration. Here it is

important to acknowledge the superb efforts of Associate Chair Dr. Steve Stricker and our Facilities Manager, Mr. John Cox, who have spent countless hours hammering out the details required to keep our basement renovation project on track (ready for occupancy in mid-October, 2007), and in planning the construction of Phase I of our addition. We also wish to acknowledge the support of the UNM administration, including former Interim Dean Vera Norwood in Arts and Sciences, former Provost Reed Dasenbrock, and Mr. Andrew Cullen in Scholes Hall. The projects outlined below continue a trend of space upgrades that was initiated by moving of the Museum of Southwestern Biology and other important Biology programs (LTER and LTER Network Office) to the Center for Environmental Research, Information and Art (CERIA) building, the creation of new microbiology teaching labs in the basement of Castetter Hall, and the renovation of part of the second floor of Castetter for the activities of the NIH-funded CETI program.

During the spring and summer of 2005, Biology played an instrumental role in working to gain approval for the ~$135M student-funded capital bond issue. This was approved and is helping Biology in three important ways:

(1) Funds totaling $7M for the renovation of 24K SF of the basement of the new wing of Castetter Hall as a teaching complex (see overview of the plan in Appendix I). Included in this new complex are three new teaching labs for our introductory majors courses, two new upper-level teaching laboratories, three new lecture rooms, an advising complex, seven new offices for our lecturers, and a student commons area that includes much of the Biology courtyard. Also, to assist in relocation of researchers displaced from the basement, included as part of the basement renovation project is the renovation of Rooms 137 and 139 as a research complex for three faculty members. As noted above, pending final approval of the fire marshall, occupancy should occur in mid-October, 2007.

(2) Also included in the student-funded bond issue is a sum of $5.6M to construct the Phase I portion of the expansion of Castetter Hall, which will support research activities of Biology faculty. After much discussion, this facility is to be situated in the space between Castetter and Marron Halls. Currently, Phase I is envisioned as 15,000 SF distributed over two floors. It will house NIH-funded investigators associated with the CETI program on the second floor, and currently, the first floor is being set aside for use by Dr. Jim Brown's PIBBS program and possibly other programs such as Dr. Milne's Sustainability Program, Dr. Werner-Washburne's planned Model Organisms Database Program, or IMSD. Its design is now essentially complete, and construction is expected to commence in January, 2008, with an 18-month construction time anticipated.

Additionally, funds for Phase II of the Castetter expansion, totaling $2.78M, were obtained from the 2006–07 New Mexico Legislative Session. These funds will be used to construct a new greenhouse on the roof of the Phase I building, with the remainder applied toward the initiation of construction of the Phase II portion of the building, which is currently envisioned to be a ~30K SF structure comprised of three floors of equal size (Appendix I). Given the deplorable condition of the Biology Annex, the UNM administration has decided it would be best to move the Annex operations to a new floor prepared for them in the Phase II structure. Another floor of Phase II is slated for occupancy by NIH-funded investigators, and the third floor will be used by investigators with thriving, funded programs who need more space. To help us achieve the goal of completing the Phase II structure and thus finishing up our anticipated building projects, UNM has placed Phase II of the Biology addition on the 2007–08 legislative major capital projects list for an

amount of $9.8M. Our job will be to work with the UNM administration and the NM legislature to see that we are funded. Important selling points are being able to say that we are leveraging this project with funds secured from a hoped-for $10M renewal of our CETI project, and that the amount requested will enable us to finish our project.

(3) The final segment of the student bond issue that involves the Biology Department is a $16M Math/Science Learning Center. This building will likely be on the west side of Main Campus near the Hibben Museum, and will include at least three new teaching laboratories to support the heavy enrollments we experience in our non-majors Biology courses. This building also is intended to encourage multidisciplinary interactions with other departments such as Mathematics. The sum of $16M has been augmented by $8M obtained from a successful request to the 2005–06 legislative session, bringing to $24M the total funds for this project. Construction for this project is slated to begin in 2008.

To conclude this section, the basement renovation project has involved considerable shuffling of space, the uprooting of people and their programs, and considerable noise and frustration; I wish to thank everyone in the department for putting up with all of this. In general, our folks have been patient, kind and understanding.

Equipment and Infrastructure Upgrades: This past year another important step to improve our infrastructure was taken: the submission of a $500K proposal to NIH's National Center for Research Resources Animal Facility Improvement program to upgrade the animal care facilities currently located in the basement of the old wing of Castetter Hall. Our campus veterinarian, Dr. Kevin O'Hair, is commended for taking the lead on this project and working with Biology to put together a much-improved, revised proposal. Recently, we learned that we have received a competitive score (155), and now we must await the determination if it is good enough to fund. If funded, this proposal would be the first of three phases to renovate completely this facility with the goal of eventually receiving American Association for Accreditation of Laboratory Animal Care (AAALAC) accreditation. Even if not funded, we have taken measures to improve the facility by installing new security doors and by setting aside ~$170K from our basement renovation project to improve air handling and to increase the versatility of space usage, potentially to accommodate a greater variety of animal species. We also are seeking to increase the level of facility support from its current level of 1.75 FTE to 2.0 FTE, basically allowing Mr. Frank Gurule to join the Biology Animal Facility Director, Mr. Roy Ricci, as a second, full-time employee supporting this facility.

SOME PARTING COMMENTS (AND CONCERNS) FROM 2006–2007

2006–07 has been another year dominated by change, with respect to high-level administrative changes at UNM, turnover in our faculty with several new faculty poised to begin, and in our buildings. Demand for our academic programs has never been higher, and our grant funding has held reasonably steady in the face of an overall decline in federal grant budgets. The strength of any department is in its faculty, which, in many areas, has achieved prominence on a world stage for its research activities.

The appointment of Dr. David J. Schmidly as the 20th president of UNM is going to have profound implications for the Biology Department. Dr. Schmidly, a well-known biologist, has expressed a

strong interest in supporting Biology, particularly the MSB, and already has been very helpful regarding submission of the renewal of our CETI proposal, as well as for other upcoming submissions, such as the PIBBS renewal. The new Dean of the College of Arts and Sciences, Dr. Brenda Claiborne, also a biologist, promises to be a strong advocate for initiatives coming from the Biology Department. Both Drs. Schmidly and Claiborne are Professors in the Biology Department.

There have been additional changes in our faculty composition. One of our stalwarts, Scott Altenbach, now has retired. It is exciting to have several new faculty come on board: Felisa Smith and Marcy Litvak are now in place, and Vaishali Katju, Helen Wearing, and Paul Farnsworth have joined the faculty and start at the beginning of the Fall semester. As compared to 2004–05, when the department listed 37 tenure-track faculty, of whom six (16.2%) were women, and seven lecturers, of whom four (57%) were women, we anticipate that at the start of Fall, 2007 we will have 40 tenure-track faculty, of whom 10 (25%) are women, and nine lecturers, of whom five (55%) are women. Thus, the number of female faculty has increased from 10 to 15 (50%) in this interval.

Although the number of tenure-track faculty has increased, it must be kept in mind that three of those counted among the number of 40 (Claiborne, Schmidly and Yates) are full-time administrators, so, in reality, the size of the tenure-track faculty has remained stable, hovering around 37. Retirements will continue to erode the number of tenure-track faculty, but this creates an opportunity for bringing in new scholars with new points of view. There is an inevitable delay of a year or usually longer, however, when we are without the benefit of a replacement. One of our major concerns at the time of this report is whether the deficit balances that have come to light in the Office of the Provost for Research and Economic Development ultimately will have the impact of causing a hiring freeze, particularly in the sciences, where starting packages often run in the $300–500K range, and are highly dependent on availability of overhead funds.

Not surprisingly, in the past year, attempts have been made by other universities to recruit our faculty. In general, compared to some other UNM departments that have been hit hard by retirements and recruiting efforts of other universities, we are holding our own, in part thanks to good assistance from the UNM administration, particularly the Dean of Arts and Sciences. As an antidote to such raiding activities, it is important for UNM to remain competitive, particularly in the arena of faculty salaries. For the past four years, we have had better than cost-of-living raises, for which we are very grateful, but still our salaries are on the low side compared to our peer institutions. A concern exists that pre-tenure faculty, in particular, will be enticed away from UNM by job offers with new start-up funding packages. We must remain competitive and fight off offers like this when they occur, while at the same time ensuring that we are not jeopardizing our high standards for tenure and promotion. Another concern about our faculty and our overall research agenda is maintaining the visibility and prominence of our ecology/evolution program. Although this program is still fundamentally strong and components within it are thriving, one concern is that much of our national and international visibility is embodied in our distinguished professors, who are approaching retirement age. It would behoove UNM to consider making a special effort to hire in new, mid-level faculty who can help pick up the slack that may be left as our most senior, distinguished professors retire. To achieve this, ingenuity, such as making special hires, and administrative help at the highest level is required.

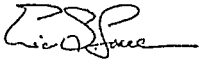
Although it could be argued that the size of the Biology faculty has changed little over the years, with the number always being around 37, there is one important additional factor to consider, which is that the number of our lecturers has increased, with 8.5 FTE lecturers in place (8 full-time and one 0.5 FTE) during most of the 2006–07 school year. Early in this decade, Biology had at most two lecturers. As noted above, our lecturers deserve an enormous amount of credit in a number of contexts. Additionally, they enable the tenure-track faculty to concentrate predominantly on the teaching of upper-division courses, graduate education, and the development of strong research programs. The presence of a sizeable group of lecturers in our midst raises a number of issues regarding their employment circumstances, as outlined above. Another issue with which we must grapple is whether we wish to make additional lecturer hires, or are we getting close to the limit with which our department feels comfortable? For example, although the resignation of Dr. Bob Frankis has created the opportunity for hiring another lecturer, we are proposing instead to use this line to provide teaching opportunities for postdocs or research faculty, not only as a way to extend their funding in difficult times, but also to provide them with the opportunity to acquire teaching experience.

We all recognize that we have entered a period of diminished federal funding for research, so part of the means to counter the downturn in funding is to do what we can to improve our outreach to private donors. Accordingly, over the past year we have made a more concerted effort to do so, both in the form of an improved newsletter and in a fund-raising events like our annual Holiday Party.

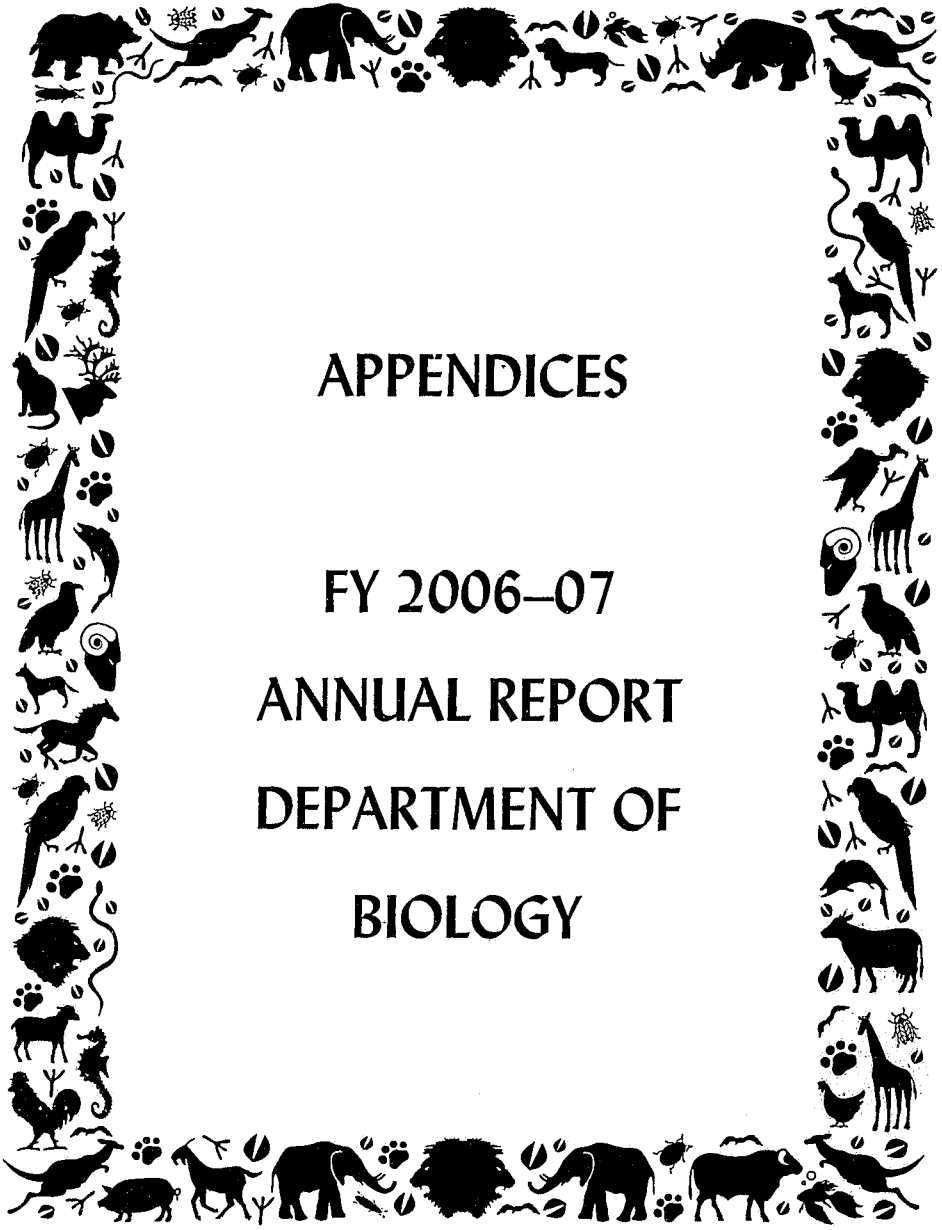
One means of attracting new donors is to be able to provide naming opportunities for them, and the newly renovated classrooms in the basement of Castetter Hall should be a good means to pursue this goal.

To sustain the momentum of the Biology Department, new facilities are needed urgently and it is encouraging that very tangible steps are being taken by Biology, with the cooperation and involvement of the College of Arts and Sciences and UNM's higher administration, to obtain better facilities—we are grateful for their ongoing support of our goals. As detailed above, the $7M basement renovation is now essentially done and will provide new teaching and advising spaces. Phase I of the Castetter addition is funded ($5.6M) and another $2.78M is in hand, thanks to the NM Legislature, to initiate Phase II. Currently, Phase II is being advanced as a high-priority UNM capital project for the 2007–08 legislative session, and $9.8M is being requested, an amount that should enable us to finish the 45K SF addition project.

A long-range concern for Biology is the impact of UNM West. It is not clear to what extent Biology will be asked to duplicate its courses and programs on the new Rio Rancho campus, and the effect this will have ultimately on the Main Campus and its request for building funds and, most particularly, on our research enterprise. Given the emphasis UNM is now placing on improvement of undergraduate graduation and retention rates and the construction of a new campus, coupled with the research budget deficits, we in Biology must work harder than ever to ensure that promotion and development of UNM as a research institution does not waver. We are very concerned that without careful planning, UNM could end up as two community colleges instead of one, highly-focused and committed Research Level I university of which the state can be justifiably proud.

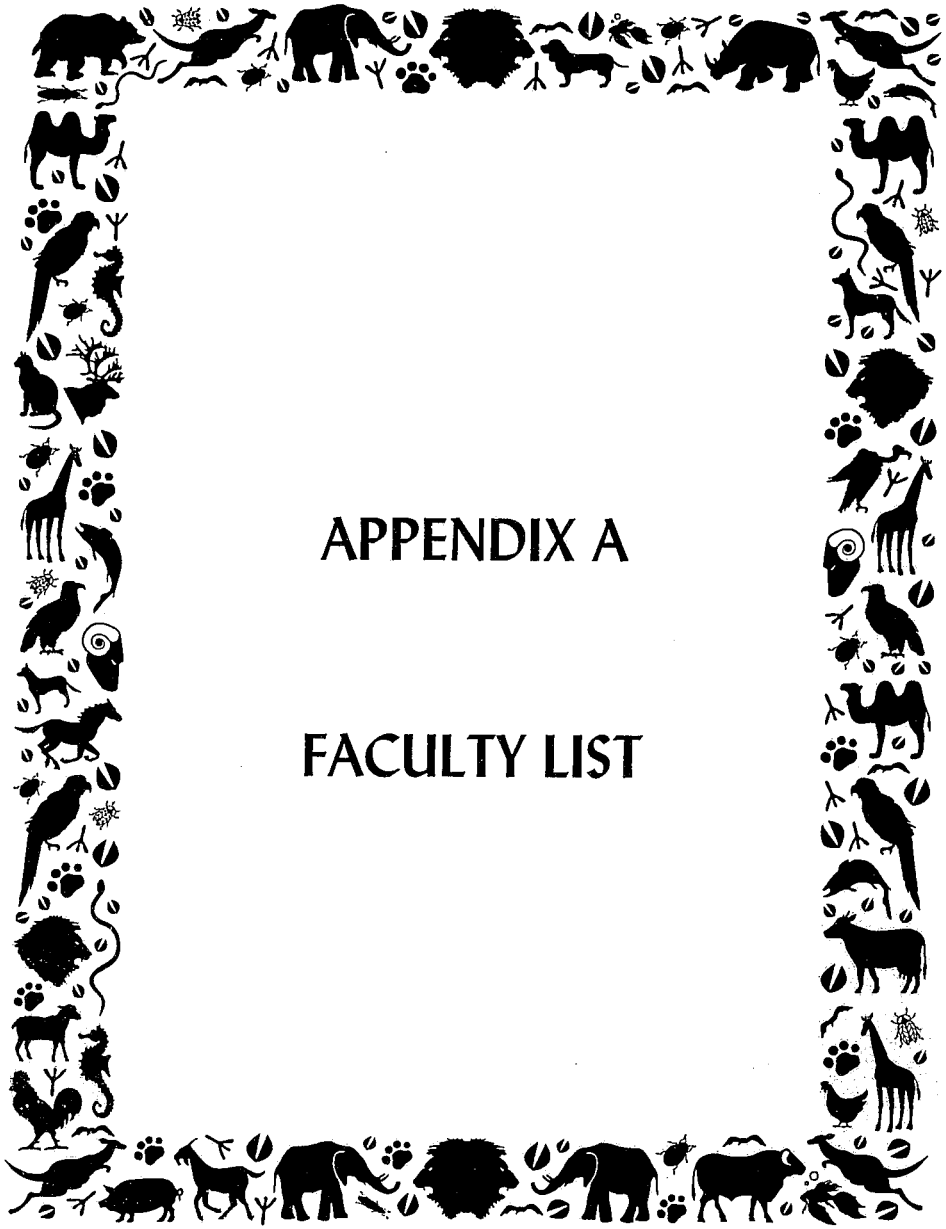


Eric S. Loker
Regents' Professor and Chairman
October 17, 2007



APPENDICES

FY 2006–07 ANNUAL REPORT DEPARTMENT OF BIOLOGY



APPENDIX A

FACULTY LIST

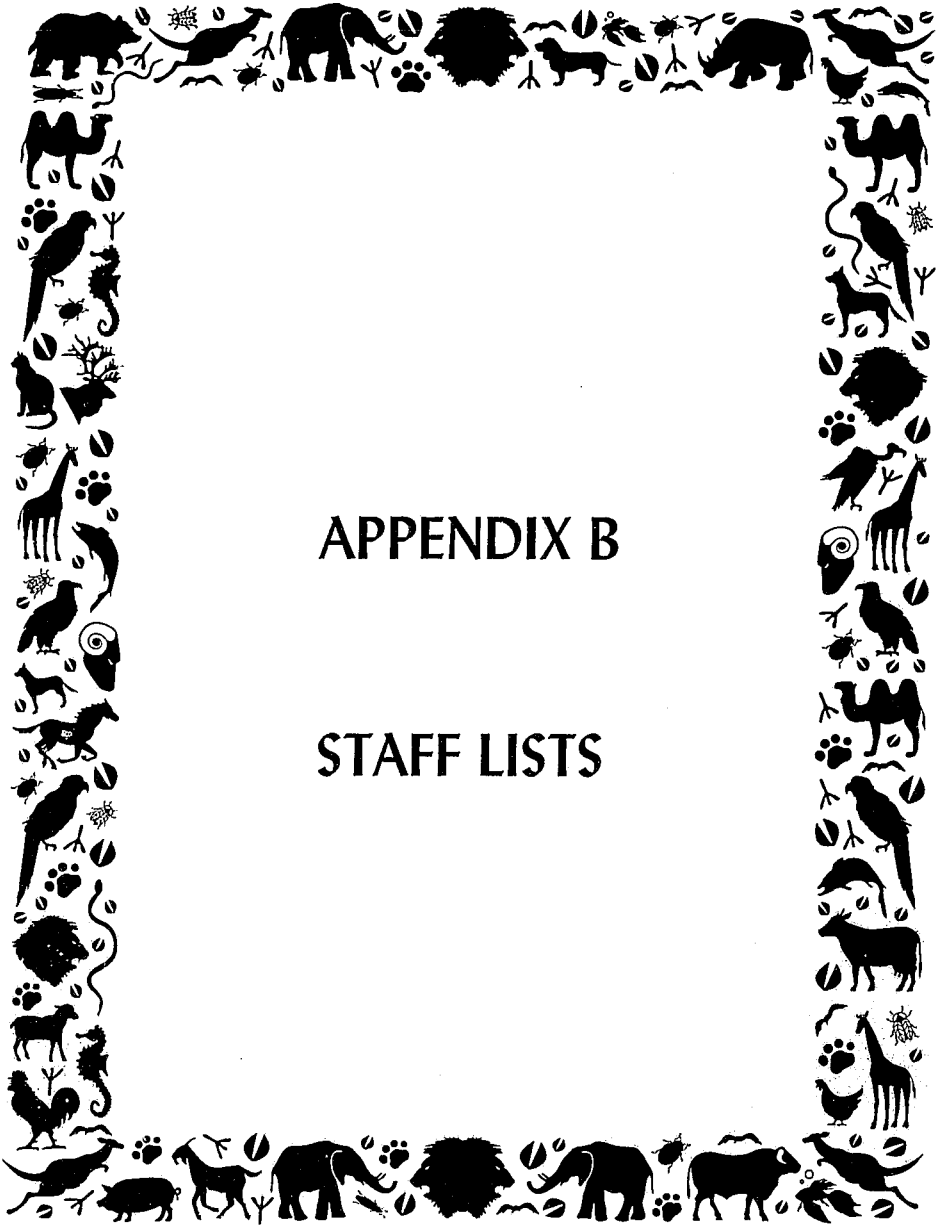
UNM BIOLOGY FACULTY, 2006–07

LECTURERS

Adema, Coenraad
Couch, Lee
Council-Garcia, Cara Lea
Frankis, Robert
Fridrick, Christina
Hofkin, Bruce
Howe, Kelly
Shaner, Marieken
Swan, James

TENURE-TRACK FACULTY

Altenbach, J. Scott
Barton, Larry L.
Bergthorsson, Ulfar
Brown, James H.
Charnov, Eric L.
Collins, Scott L.
Cook, Joseph A.
Cripps, Richard M.
Cunningham, Charles
Dahm, Clifford N.
Duszynski, Donald W. (active retired)
Hanson, David T.
Kodric-Brown, Astrid
Loker, Eric S.
Litvak, Marcy
Lowrey, Timothy K.
Marshall, Diane L.
Miller, Kelly B.
Miller, Robert D.
Milne, Bruce T.
Natvig, Donald O.
Nelson, Mary Anne
O'Hair, Kevin C. (Veterinarian)
Pockman, William T.
Poe, Steven
Sinsabaugh, Robert L.
Smith, Felisa A.
Snell, Howard L.
Stricker, Stephen A.
Thornhill, A. Randy
Toolson, Eric C.
Turner, Thomas F.
Takacs-Vesbach, Cristina
Wagner, Andreas
Waide, Robert B.
Werner-Washburne, M.
Witt, Christopher C.
Wolf, Blair O.
Yates, Terry L.



APPENDIX B

STAFF LISTS

UNM BIOLOGY DEPT. STAFF, FY 2006–2007

Atencio	Lupe	Group Administrator
Avritt	Joy	Research Tech/Life Sciences
Arzate	Jasmin	Administrative Assistant 2
Baca	Patricia	Administrative Assistant 1
Baca Denton	Michele	Sr. Research Tech/Life Sciences
Brandenburg	William	Sr. Research Tech/Life Sciences
Brantley	Sandra	Sr. Museum Collection Manager
Browder	Amanda Kennedy	Sr. Research Tech/Life Sciences
Brown	Renee	Systems Analyst 2
Candelaria-Ley	Roxane	Sr. Student Program Advisor
Chauvin	Yvonne	Sr. Research Tech/Life Sciences
Costa	Duane	Analyst/Programmer 2
Cox	John B.	Manager, Facilities Services
Craig	John, Jr.	Analyst/Programmer 1
Davis	Nancy L.	System Administrator
Dewitt	John	Facilities Services Manager
Downey	Laura	Sr. Research Engineer 3
Dunnum	Jonathan	Sr. Museum Collection Manager
Elwell	Jennifer	Sr. Research Tech/Life Sciences
Farrington	Michael	Sr. Research Tech/Life Sciences
Farris	David	Systems Analyst 1
Fitzpatrick	Kelly	Sr. Research Tech/Life Sciences
Friggens	Michael	Research Scientist III
Garcia	Larissa	Supply/Stock Clerk
Garcia	Joslyn	Administrative Assistant 3
Garcia	George	Supervisor, Administrative Support
Giermakowski	Jacek	Museum Collection Manager
Gomez	Celina A.	Administrative Assistant 2
Griffin	Carol-Ann	Administrative Assistant 2
Gurule	Frank	Lab Animal Tech
Hatton	Elizabeth	Sr. Research Tech/Life Sciences
Hebert	Gerard	Editor
Hill	Judson	Research Scientist 2
Horger	Terry	Program Coordinator
Jackson	Charles	Field Research Tech/Life Sciences
Jakubanis	Jessica	Field Research Associate/Biol Science
Johnson	Andrew	Museum Collections Manager
Johnson	Jennifer	Research Scientist 1
Lun	Cheng Man	Research Scientist 1
Kavka	Jennifer	Program Manager
Keeshen	Rebecca	Office Administrator
Koontz	Terri	Research Scientist 1
Lejeune	Christian	Research Scientist 1

Lightfoot	David	Sr. Museum Collection Manager/Sr. Research Scientist 1
Lovato	Tyanna	Sr. Research Tech/Life Sciences
MacDonald	Stephen	Curator 2
Marshall Hathaway	Jennifer	Research Scientist 1
McCollough	Charles	Database Administrator
McConnell	Marjorie	Sr. Program Manager
McCoy Hayes	Shannon	Program Coordinator
McOwiti	Thomas	Public Information Representative
Miles	Jack	Coordinator, Lecture Demonstration
Milford	Elizabeth	Research Scientist 2
Moore	Douglas	Research Scientist 2
Mortensen	Cynthia	Coordinator, Program Advisement
Mygatt	Jane	Sr. Museum Collection Manager
Neville	Terri Brotman	GIS Analyst
Osborn	Catherine	Group Administrator
Parmenter	Cheryl	Museum Collections Manager
Paulsen	Heather	Accountant 3
Racz	S Elizabeth	Field Research Associate/Biol Science
Ricci	Roy	Supv., Animal Res. Facility
Rice	Anne	Data Manager
Rosenberg	George	Research Scientist 2
Ruby	Maria	Coordinator, Program Advisement
Sacher	Sandy L.	Field Research Tech/Life Sciences
San Gil	Inigo	Sr. Applications Support Analyst
Sandoval	James	Accountant 2
Santillanes	Renee	Supv., Admin. Support
Shore	Gregory	Analyst Programmer 3
Sledge	David	Analyst/Programmer Specialist
Smith	Jacqueline	Sr. Research Tech/Life Sciences
Snyder	Alexandra	Museum Collection Manager
Sprott Bonito	Patricia	Technical Editor
St. Clair	Catherine	Administrative Assistant 3
Stewart	Justin	Office Assistant
Stout	Barbara Anne	HS/Associate Scientist 2
Stursova	Martina	Research Tech/Life Sciences
Swearingen	Douglas	Accounting Tech
Thibault	James	Research Scientist 1
Thomey	Michell	Research Scientist 1
Tonne	Phillip	Sr Research Scientist 1
Torres	Julie A.	Administrative Assistant 3
Wetherill	Karen	Research Scientist 2
White	Marshall	Sr. Web Designer
Williams	James	Systems Analyst 1
Wonn	Marla	Department Administrator 3

Wyman	Florence	System Administrator
Xia	Yang	Research Scientist 1

UNM BIOLOGY DEPT. STAFF SEPARATIONS, FY 2006–2007

Briscoe	Andrea	Fiscal Services Tech
Elliott	James	Research Scientist 3
Farris	David	Systems Analyst 1
Frazier	Christopher	Program Manager
Gannon	William	Sr. Museum Collection Manager
George	Ginger	Field Research Assoc./Biol. Sciences
Hickman	Caleb	Science Research Administrator
Ikle	Jennifer	Research Tech/Life Sciences
Imani	Reza	Research Scientist 1
Keller	Sarah	Field Research Assoc./Biol. Sciences
Madrid	Pamela	Supervisor, Administrative Support
Martinez-Ingram	Yvonne	Administrative Assistant 3
McLeod	Jay	Field Research Assoc./Biol. Sciences
McGann	Jeanine	Web Designer
Nielsen	Tommie Sue	Administrative Assistant 2
Nyberg	April Wright	Research Scientist 1
Ortiz	Andrina	Coordinator, Lecture Demonstration
Ozaksut	Ann	Administrative Assistant 2
Rodriguez	Angela L.	Senior Research Tech/Life Sciences
Shah	Ankita	Senior Research Tech/Life Sciences
Wang	Ivan	Coordinator, Lecture Demonstration
Widhalm	Barbara	Program Coordinator

UNM BIOLOGY DEPT. STAFF HIRES, FY 2006–2007

Arzate	Jasmin	Administrative Assistant 2
Baca	Patricia	Administrative Assistant 1
Candelaria-Ley	Roxane	Sr. Student Program Advisor
Farris	David	Systems Analyst 1
Garcia	George	Supervisor, Administrative Support
Gomez	Celina A.	Administrative Assistant 2
Hatton	Elizabeth	Senior Research Tech/Life Sciences
Hill	Judson	Research Scientist 2
Horger	Terry	Program Coordinator
Jackson	Charles	Field Research Tech/Life Sciences
Koontz	Terri	Research Scientist 1
Lejuene	Christian	Research Scientist 1

Lun	Cheng Man	Research Scientist 1
Miles	Jack	Coordinator, Lecture Demonstration
Sacher	Sandy L.	Field Research Tech/Life Sciences
St. Clair	Catherine	Administrative Assistant 3
Stursova	Martina	Research Tech/Life Sciences
Torres	Julie A.	Administrative Assistant 3
Widhalm	Barbara	Program Coordinator
Wyman	Florence	System Administrator

UNM BIOLOGY DEPT. NON-TENURE FACULTY/POST-DOCS FY 2006–2007

Adema	Coenraad	Research Associate Professor/Lecturer III
Aragon	Anthony	Postdoctoral Associate
Arbetan	Paul	Research Assistant Professor
Baker	Michelle	Research Assistant Professor
Baker	Phillip W.	Postdoctoral Associate
Benn	Donald	Postdoctoral Associate
Brant	Sara	Research Assistant Professor
Brunt	James	Research Associate - Assoc. Dir. for IMR
Bryantsev	Anton	Postdoctoral Associate
Burdette	Ayesha	Postdoctoral Associate
Cleverly	James	Research Assistant Professor
Couch	Lee	Lecturer II
Council-Garcia	Cara Lea	Lecturer II
Davidson	Ana	Postdoctoral Associate
Dragoo	Jerry	Research Assistant Professor
Eichhorst	Kim	Research Assistant Professor
Frankis	Robert	Lecturer III
Fridrick	Christina	Lecturer II
Goldberg	Ellen	Research Professor
Hanelt	Ben	Research Assistant Professor
Hice	Christine	Research Assistant Professor
Hofkin	Bruce	Lecturer III
Howe	Kelly	Lecturer III
Hu	Bin	Postdoctoral Associate
Johnson	Kristine	Research Associate Professor
Katz	Samantha	Research Assistant Professor
Larkin	Leah	Research Assistant Professor
McCain	Christy	Postdoctoral Associate
Michener	William	Research Professor
Muldavin	Esteban	Research Associate Professor
Nekola	Jeff	Postdoctoral Associate

Osborne	Megan Jane	Research Assistant Professor
Pennington	Deana	Research Assistant Professor
Polechla Jr.	Paul	Research Associate Professor
Racz	Gabor	Postdoctoral Associate
Servilla	Mark	Research Assistant Professor
Shaner	Marieken	Lecturer II
Sinclair	Fiona	Postdoctoral Associate
Stacey	Peter	Research Professor
Steinauer	Michelle	Postdoctoral Associate
Swan	James	Lecturer II
Vande Castle	John	Research Associate Professor
Vanderbilt	Kristin	Research Assistant Professor
White	Carleton	Research Associate Professor
Yepez-Gonzalez	Enrico	Postdoctoral Associate
Zhang	Si-Ming	Research Assistant Professor

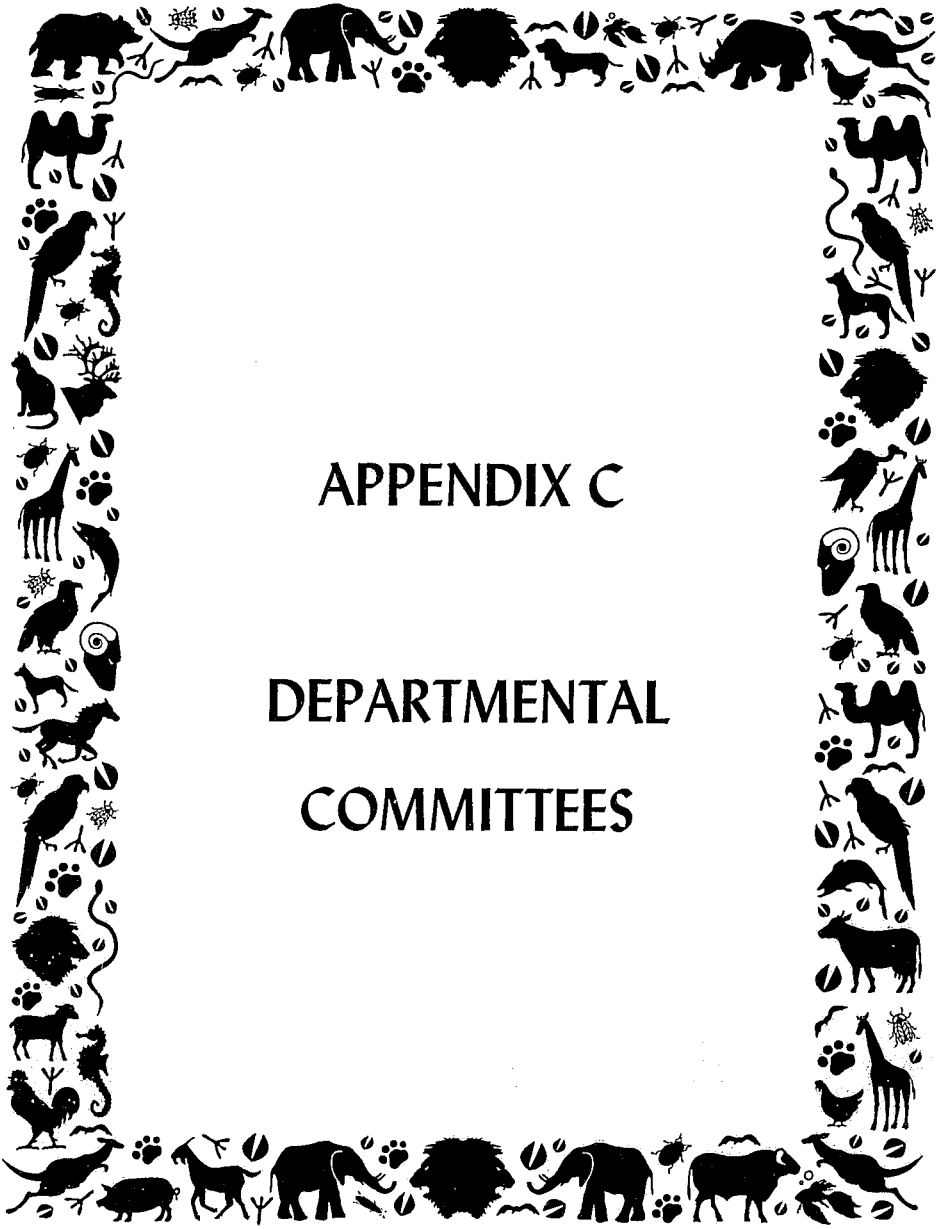
UNM BIOLOGY DEPT. FACULTY/POST-DOC. HIRES, FY 2006–2007

Adema	Coenraad	Lecturer III
Aragon	Anthony	Postdoctoral Associate
Baker	Phillip W.	Postdoctoral Associate
Bryantsev	Anton	Postdoctoral Associate
Goldberg	Ellen	Research Professor
Hu	Bin	Postdoctoral Associate
Katz	Samantha	Research Assistant Professor
Litvak	Marcy	Assistant Professor
McCain	Christy M.	Postdoctoral Associate
Miller	Kelly B.	Assistant Professor
Nekola	Jeff	Postdoctoral Associate
Racz	Gabor	Postdoctoral Associate
Sinclair	Fiona	Postdoctoral Associate
Smith	Felisa	Associate Professor
Witt	Christopher C.	Assistant Professor
Yepez-Gonzalez	Enrico	Postdoctoral Associate

UNM BIOLOGY DEPT. FACULTY/POST-DOC. SEPARATIONS FY 2006–2007

Allen	Andrew	Postdoctoral Associate
Baker	Phillip W.	Postdoctoral Associate
Cadavid	Luis	Assistant Professor
Fargione	Joseph	Research Assistant Professor

Giuggioli	Luca	Postdoctoral Associate
Katz	Samantha	Research Assistant Professor
Moses	Melanie	Postdoctoral Associate
Vogel	Kathryn G.	Professor
Xu	Junhuan	Postdoctoral Associate
Zhang	Jianting	Postdoctoral Associate



APPENDIX C

DEPARTMENTAL COMMITTEES

Departmental Committees—2006–07

Chairman
Eric (Sam) Loker

Associate Chairs
Rich Cripps
Steve Stricker

Director, Museum of SW Biology
Don Duszynski

Cell Biologist Search
Maggie W-W, Chair
Rich Cripps
Charlie Cunningham
Mary Anne Nelson
Scott Collins
BGSA, Kendra Lipinski

Lecturer II Search
Kelly Howe, Chair
Cara-Lea Council-Garcia
BGSA, Harriet Platero

Graduate Student Selection
Joe Cook, Chair
Cindy Mortensen
Don Natvig
Steve Poe
Bob Sinsabaugh
Tina Vesbach
BGSA, Alison Boyer

Honors Program
Maria Ruby

Undergraduate Policy Committee
Howard Snell, Chair
Scott Altenbach
Christina Fridrick
Maria Ruby
Jim Swann
BGSA, Casey Gilman

Department Review Preparation
Diane Marshall

Graduate Policy
Cliff Dahm, Chair
Steve Poe
Ric Charnov
Astrid Kodric-Brown
BGSA, Wade Wilson

Space/Buildings
Steve Stricker, Chair
John Cox
Bob Frankis (Fall)
Marieken Shaner (Sp)
Bruce Milne
Roy Ricci
George Rosenberg
BGSA, Cindy Mathiason

Seminars
David Hanson

Graduate Advisors
Ric Charnov
Randy Thornhill

Computers
Eric Toolson, Co-Chr
Nancy Davis, Co-Chr
Renee Brown
Don Natvig
Anne Rice
George Rosenberg
BGSA, Alison Boyer

Greenhouses
Diane Marshall, Chair
David Hanson
Jane Mygatt
Joy Avritt
BGSA, Nathan Abrahamson

Research Day
Kelly Howe, Co-Chr
Marcy Litvak, Co-Chr
Michelle Baker
Marcy Litvak
Michelle Steinauer
BGSA, Jenny Hollis
BGSA, Ian Murray
BGSA, Sandra Melman

Graduation
Bruce Hofkin, Co-Chr
Marieken Shaner, Co-Chr
Christina Fridrick
Jim Swan

Biology Graduate Student Association
Co-Pres. Eric Schaad, Jason Thomas
Rob Miller, Faculty sponsor

Museum SW Biology Exec Committee
Don Duszynski, Chair
Curators, and Mike Bogen, Terry Yates, Steve Stricker

Scholarships
Larry Barton, Chair
Leah Larkin
Cindy Mortensen
Diana Northup
Heather Paulsen
Maria Ruby
Steve Stricker

Undergraduate Academic Advising
Maria Ruby, Advising Coordinator
Cara-Lea Council-Garcia

Bob Frankis
Diane Marshall
Eric Toolson

Pre-Vet Advising
Bruce Hofkin

Department Publicity
Lee Couch

Field Programs and Vehicles
Bob Sinsabaugh
Joe Cook

Mol. Biology Facility
Richard Cripps

Microscopy Facility
Steve Stricker

Library Liaison
Bruce Milne

LTER Director
Scott Collins

LTER Network Office Director
Bob Waide

Sevilleta Field Station Director
Don Natvig

IMSD Director
Maggie Werner-Washburne

CETI Director
Eric (Sam) Loker

BGSA Computer Pod
TBA, BGSA

Animal Care and Use
Bill Gannon

New Grad Student Orientation
Ulfar B.
Charlie Cunningham

Glass Case Displays
Lee Couch

Biological Society of New Mexico/UNM Foundation
Don Duszynski, Chair
Bob Dickerman
Terry Yates

Salary Committee
Astrid Kodric-Brown
Rob Miller
Randy Thornhill

Univ. & College Committees

AGEP Representative
Felisa Smith

A&S Senior Promotion
TBD by A&S

A&S Tenure and Promotion
TBD by A&S

A&S Undergrad Representative
Tim Lowrey

Dean's Search
Mary Anne Nelson

Center for Research in Ecological Science and Technology
Bob Waide

Consortium for the Americas
Jim Brown

Faculty Senate
Howard Snell

RAC Committee
Bob Waide

UNM Biosafety
Coen Adema

UNM Radiation Control Committee
Ulfar Bergsthorsson

University Scholarship and Awards Committee
Howard Snell

UNM Sustainability Program, Director
Bruce Milne

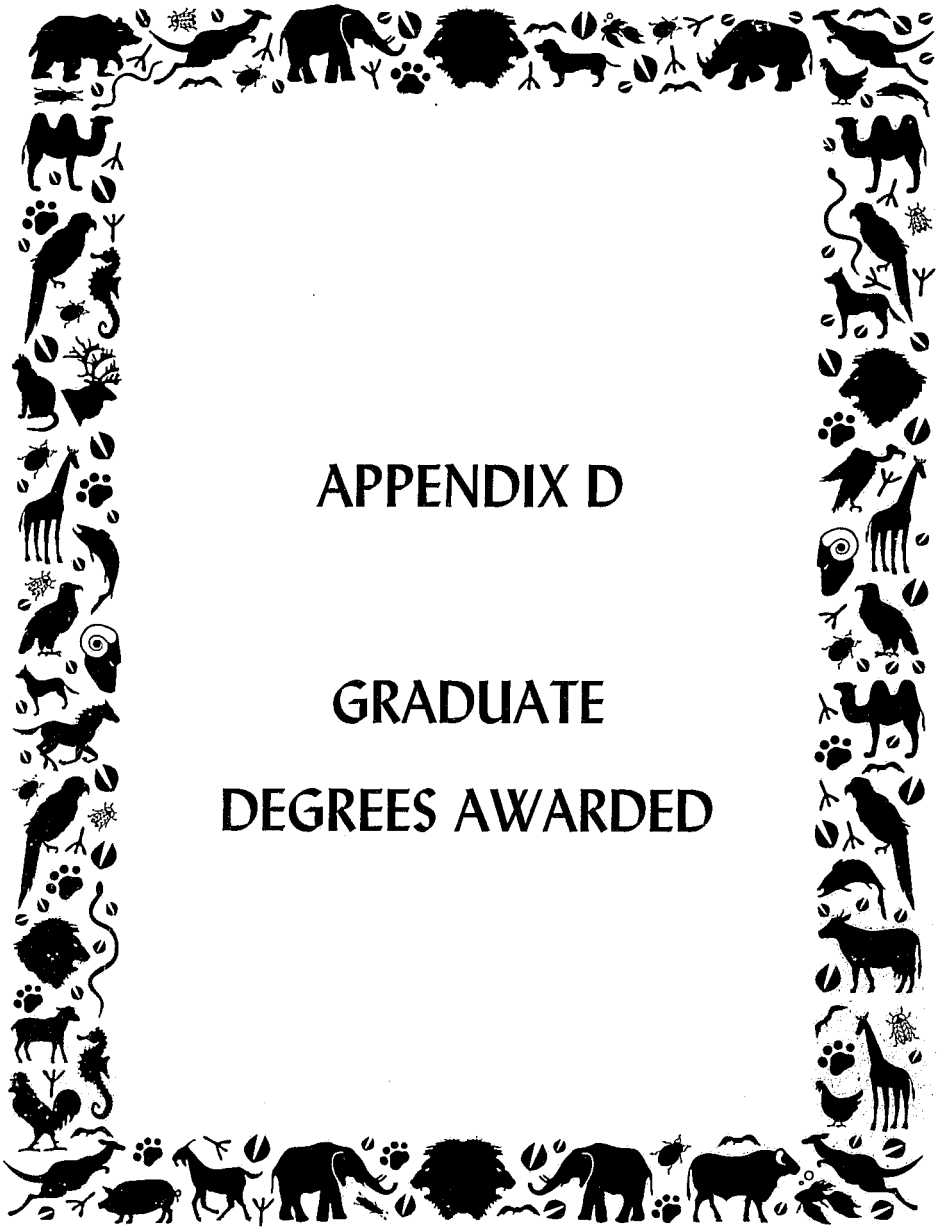
Habitat Restoration Subcommittee
Larry Barton

UNM Freedom/Tenure
Tim Lowrey

PIBBS Director
Jim Brown
Felisa Smith

MARC Director
Mary Anne Nelson

SEEDS Chapter
Scott Collins



APPENDIX D

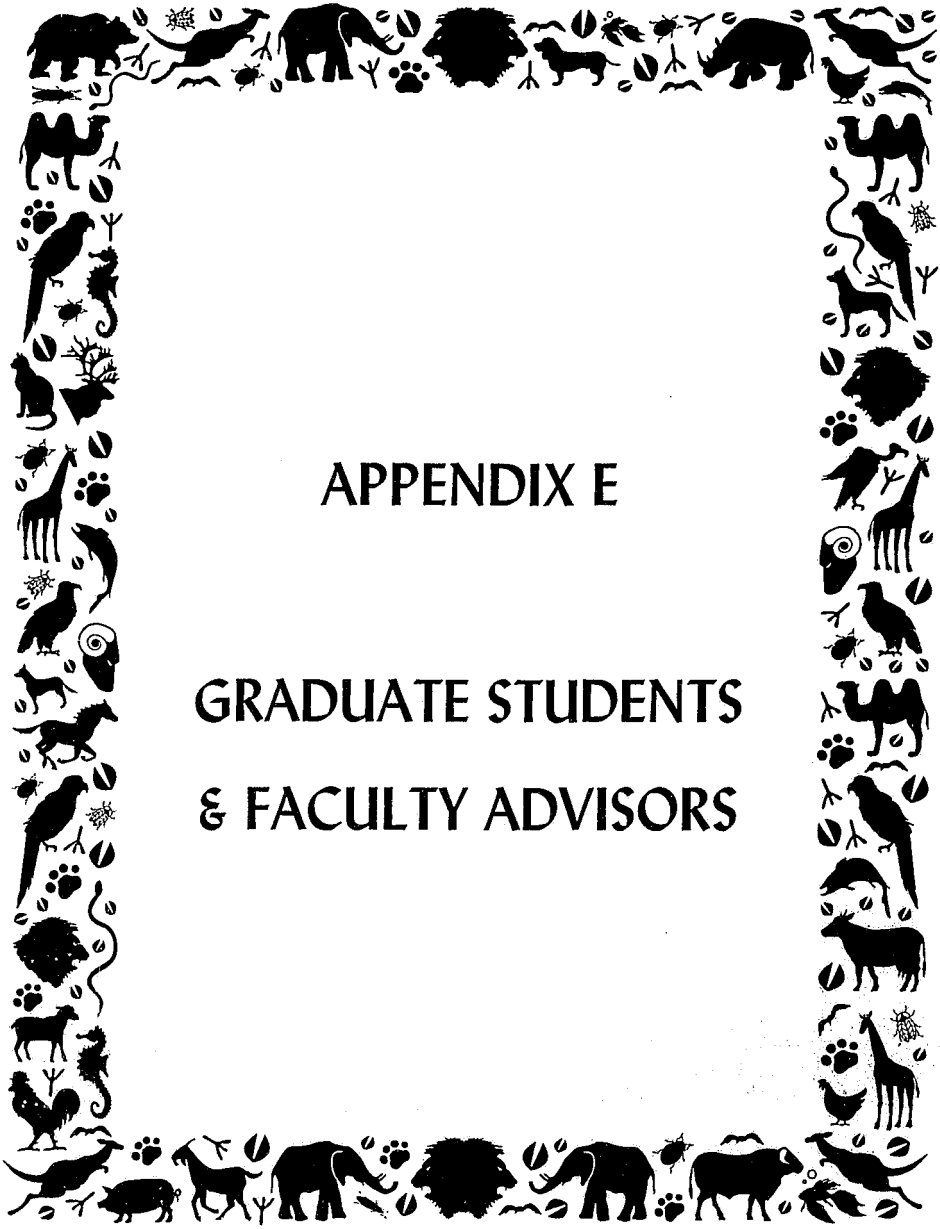
GRADUATE DEGREES AWARDED

Master and Ph.D. Degrees Awarded in Biology
Fall 2006 – Summer 2007

Degree / Name	Major Professor	Thesis/Dissertation Title
Fall 2006		
MS I		
Koehler, Anson Van Arsdale	Cook	Systemactics, Phylogeography, Distribution, and Lifecycle of *Soboliphyme Baturini*
Neuwirth, William, Joseph	Wolf	Avian diversity, abundance and breeding associated with pinon die-off
MS II		
PH.D.		
Aragon, Anthony Dion	Werner-Washburne	Ready, Set, Go: Genomic Analysis of the Quiescent State in Yeast
Edwards, Melanie Susun	Turner	Stable Isotope Analysis of Current and Historical Aquatic Food Webs
Gallo, Marcy Elaine	Sinsabaugh	Photodegradation and plant litter decomposition in arid ecosystems
Lauber, Christian Lynn	Sinsabaugh	Edaphic Factors Contributing to Soil Microbial Extracellular Enzyme Activities
Platero, Harriett Jean	Nelson	The Characterization of zip-1, A Novel Gene Expressed During Sexual Development in *Neurosport Crassa* and Annotation of the bZIP Proteins Encoded by the *Neurospora Crassa* Genome
Spring 2007		
MS I		
Orr, Teri Jean	Wolf	Rodents and Cacti - A Stable Isotope Investigation of a Key Plant Functional Group and its Consumers
PH.D.		
Anderson, Kristina Janet	Brown	Rates of Change in Ecosystem and Community Properties During Succession
Baez, Vera Selene	Collins	Effects of Interspecific Interactions on the Structure and Dynamics of Plant Communities
Luck, Matthew Aaron	Milne	Climate Effects on River Network Structure
Samaniego, Horacio Augusto	Milne	Dynamical Partitioning of Spatio-Temporal Variation within Species Ranges

Master and Ph.D. Degrees Awarded in Biology
Fall 2006 – Summer 2007

Summer 2007		
MS I		
Dean, David Allen	Milne	Extremum Principle of Maximum Shannon Diversity; How Energy and Water Partition Richness among Four Taxa of North American Vertebrates
Helander, Lynda Arguello	Cripps	The role of the homeodomain transcription factor Tailup in migration during cardiogenesis in Drosophila
MS II		
Hollis, Jennifer Lea	Marshall	
Olp, Jonathan James	Miller, R	
PH.D.		
Bateman, Heather Lyn	Snell	Impacts of Restoration on the Herpetofauna of the Middle Rio Grande Valley
Keil, Pamela Lynn	Kodric-Brown	Exploring Contest Behavior in Male-Male Fights in the Sierra Dome Spider
Reynolds, Jerusha	Marshall	Gene Flow in Fragmented Plant Populations – An Experimental Approach using Wild Radish as a Model Organism
Schwarz, Ryan Scott	Loker	Evolution of Innate Immunity: the Defense System of the Enidarian Hydractinia Symbiolongicarpus
Weise, Christa Doris	Yates	Bat Communities in Neotropical Lowland Forests in Panama



APPENDIX E

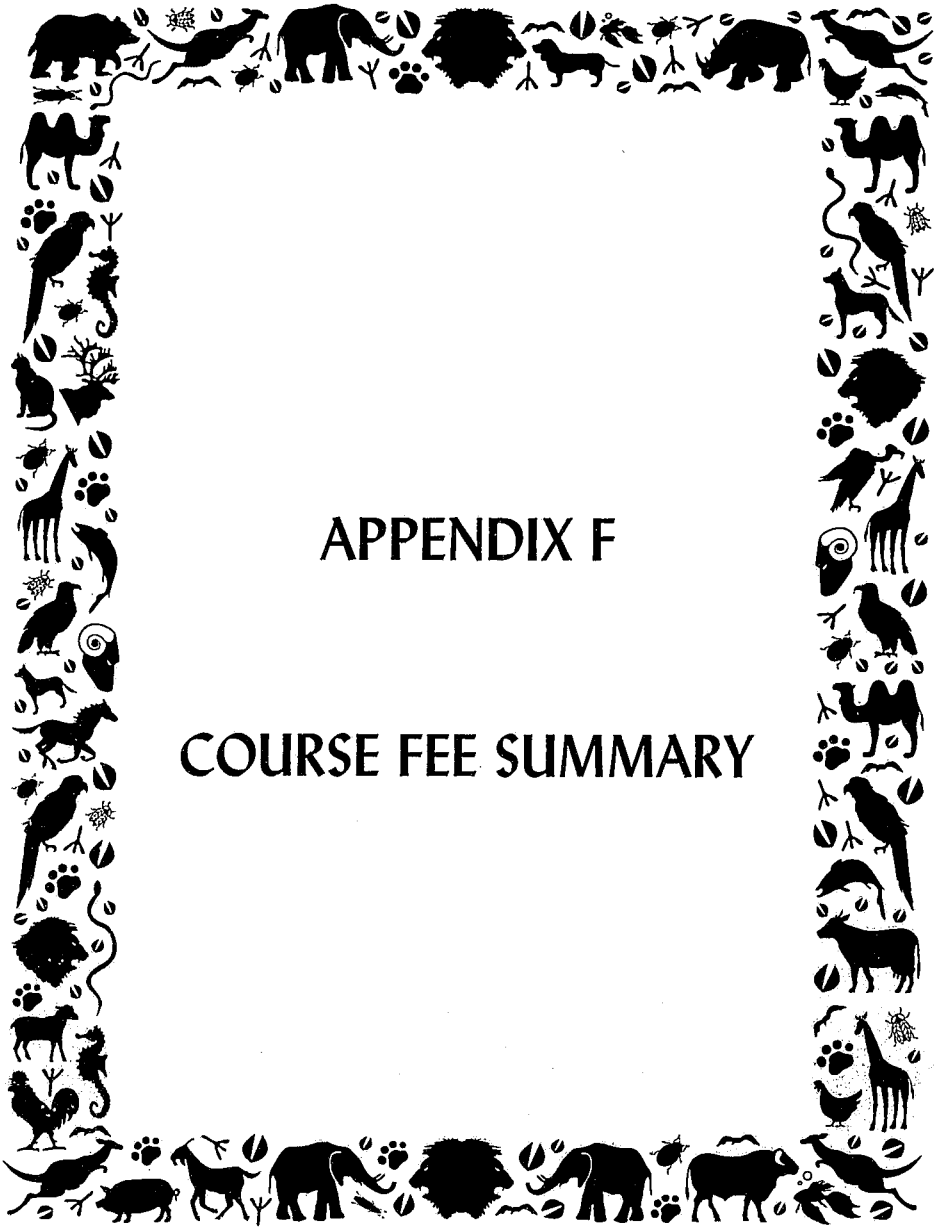
GRADUATE STUDENTS & FACULTY ADVISORS

GRADUATE STUDENTS AND FACULTY ADVISORS, 2006–07

STUDENT	ADVISOR
Abrahamson, N.	Marshall
Andres, D.	Kodric-Brown
Barker, B.	Waide
Barnes, M.	Marshall
Bateman, H.	Snell
Baum, N.	Milne
Bettinelli, J.	Toolson
Bickford, C.	Pockman & Hanson
Bishop, Y.	Barton
Boyer, A.	Brown
Brese, D.	Collins & Litvak
Burnside, W.	Brown
Calabrese, L.	Collins
Carvajal, A.	Collins
Crawford, D.	Smith
Crenshaw, C.	Dahm
Davidson, G.	Werner-Washburne
Dawson, N.	Cook
Dean, D.	Milne
DeLong, J.	Milne
Dichosa, A.	Barton
Dunn, W.	Milne
Edelman, A.	Kodric-Brown
England, A.	Altenbach
Eppig, C.	Thornhill
Evangelisti, A.	Wagner
Frances, J.	Cook
Franklin, M.	Thornhill
Frazier, C.	Lowrey
Gaines, K.	Molles & Kodric-Brown
Giermakowski, J.	Snell
Green, L.	Pockman
Harding, L.	Yates
Helander, L.	Cripps
Hollis, J.	Marshall
Hope, A.	Cook

STUDENT	ADVISOR
Horner, M.	Dahm
Hulebak, E.	Poe
Imani-Shikhabadi, R.	Loker
Keil, P.	Kodric-Brown
Kennedy, T.	Turner
Kitchen, C.	Natvig
Koerner, S.	Collins
Latella, I.	Snell
Lease, H.	Wolf
Letendre, K.	Thornhill
Linderoth-Hummel, O.	Molles & Collins
Lipinski, K.	Bergthorsson
Loud Bear, A.	Hanson
Maas (Mitchell), K.	Vesbach
Magana, H.	Hanson
Malaney, J.	Cook
Martinet, M.	Dahm
Martinez, D.	Nelson
Mathiasen, C.	Wolf
McIntyre, J.	Kodric-Brown
Medeiros, J.	Pockman
Medrano, M.	Molles & Lowrey
Melman, S.	Miller, R.
Murray, I.	Wolf
Newberry, T.	Pockman
Nonaka, E.	Collins
Okie, J.	Brown
Olp, J.	Miller, R.
Orr, T.	Wolf
Parra, Z.	Miller, R.
Patrick (Carles), E.	Nelson
Pershall, A.	Wolf
Phillips, R.	Snell
Plaut, J.	Pockman
Porras-Alfaro, A.	Natvig
Powers, H.	Hanson
Redfern, J.	Lowrey

STUDENT	ADVISOR
Reynolds, J.	Marshall
Ryan, K.	Cripps
Schaad, E.	Poe
Schwarz, R.	Loker
Simpson, H.	Marshall
Snider, J.	Pockman
Swenton (Olson), D.	Kodric-Brown
Thomas, J.	Cook
Van Horn, D.	Dahm
Wang, X.	Miller, R.
Warne, R.	Wolf
Weise, C.	Yates & Bogan
White, S.	Pockman
Wilson, W.	Turner
Winslow, F.	Wolf
Wright, J.	Wagner
Zeglin, L.	Dahm
Zuo, W.	Brown



APPENDIX F

COURSE FEE SUMMARY

COURSE FEES REVIEW

Overall FY 2002/03–2006/07

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. This past year, the Biology Department was able to buy 20 new microscopes for two of the 400-level courses and the Microbiology course. The microscopes being used in these classes were outdated from the 1940s. Equipment like this in a newly renovated facility is extremely important to showcase the programs that the department offers. The following table shows the revenue received for each fiscal year from courses fees.

Course Fees Revenue					
	FY 2002–03	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07
Revenue	$59,860.25	$62,378.25	$71,260.00	$83,674.30	$136,079.20
Banner Tax	–	–	$ 712.60	$ 836.74	$ 1,360.79
Total Revenue	$59,860.25	$62,378.25	$70,547.40	$82,837.56	$134,718.41

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.

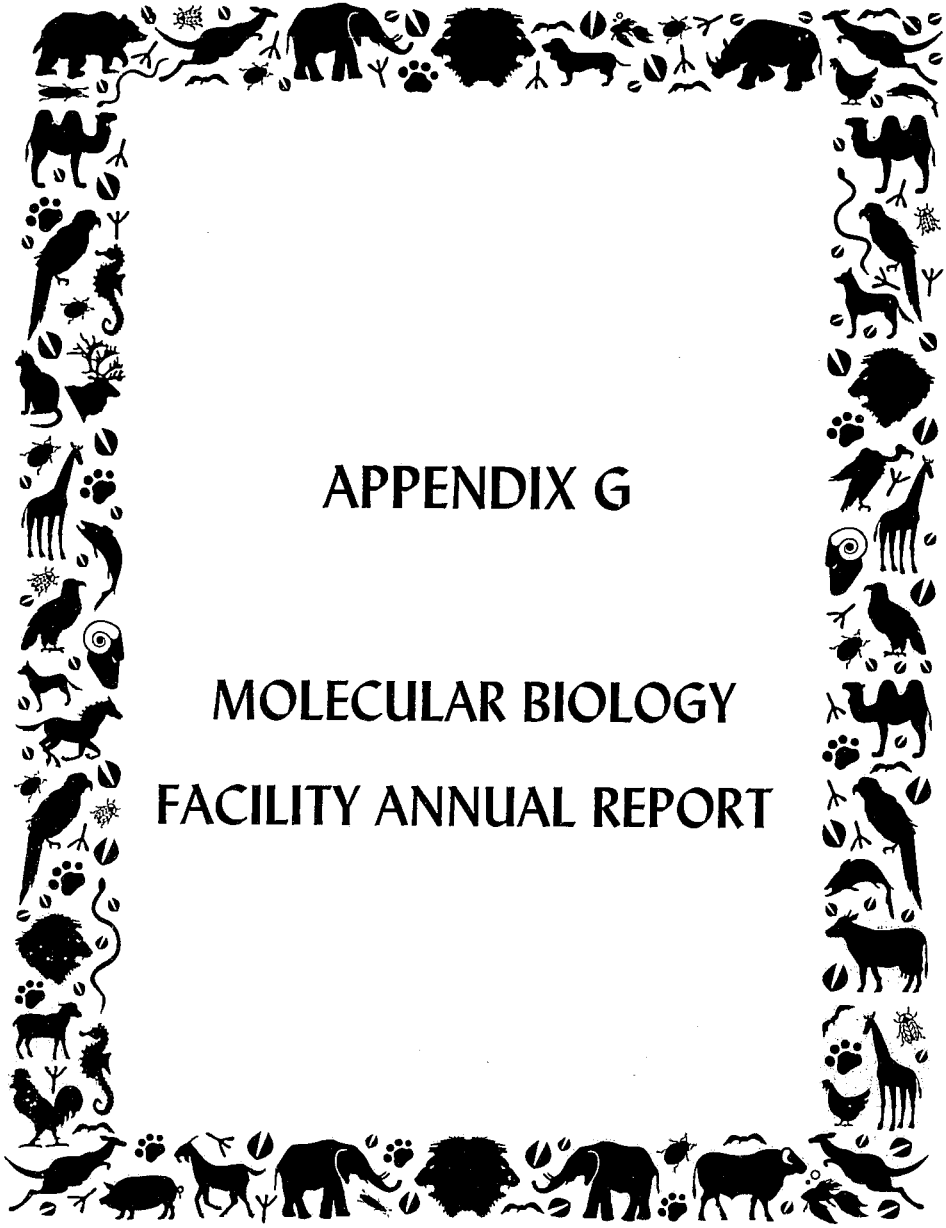
Course Fee Revenue Increase					
	FY 2002–03	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07
Total Revenue	$59,860.25	$62,378.25	$70,547.40	$82,837.56	$134,718.41
Percentage Increase	No data available	4.21%	13.10%	17.42%	62.63%

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 2002–03	FY 2003–04	FY 2004–05	FY 2005–06	FY 2006–07
Total Revenue	$59,860.25	$62,378.25	$70,547.40	$82,837.56	$134,718.41
No. of Students	9,287	9,924	9,668	10,325	10,028
No. of Credit Hours	22,292	23,143	23,250	23,820	23,393
Student Allotment	$6.45	$6.29	$7.30	$8.02	$13.43
Credit Allotment	$2.69	$2.70	$3.03	$3.48	$5.76

Note: Number of Students and Number of Credit Hours for FY 2006–07 is incomplete; data for the Summer enrollment that rolls up into FY 2006–07 was not available at the time of this report. 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 $8.30, and the average credit allotment support is $3.53. While this money still does not cover all of the costs associated with teaching laboratory classes, it does help to support the teaching mission. This year will be the first fiscal year of implementation of the course fees. The department expects to generate approximately $210,000 in revenue to help support the teaching mission.



APPENDIX G

MOLECULAR BIOLOGY FACILITY ANNUAL REPORT

MOLECULAR BIOLOGY FACILITY

Department of Biology
Fiscal Year 2006-2007
Annual Report
George Rosenberg and Richard Cripps

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. 425, 444, 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 2006-2007 fiscal year include:

1. Based on data from the Office of Research Services, there were 55 grants active this fiscal year that utilized or depended upon the MBF. These grants amounted to more than $21,000,000 in total awards.

2. Based on a search of the SciSearch database maintained at the Los Alamos National Laboratory, there were 18 MBF-related peer-reviewed manuscripts published or "in press" in fiscal year 2006-2007.

3. More than 49,000 sequences, microsats, AFLPs, and T-RFLPs were run on the MBF's two ABI 3130xl Genetic Analyzers.

MOLECULAR BIOLOGY FACILITY AT THE UNM DEPARTMENT OF BIOLOGY

STAFF

Director: Richard Cripps

Research Scientist/Manager: George H. Rosenberg

Research Scientist/COBRE Project: Jennifer Hathaway

Teaching Assistants:
Xin Xin Wang (Fall 2006, Spring 2007) and Jose Frances (Summer 2007)

MAJOR EQUIPMENT ACQUISITIONS

Apple MacPro Dual Quad processor workstation

USERS: 2006-2007

Faculty (26):
Adema, Barton, Bergthorsson, Brown, Cook, Cripps, Cunningham, Hanson, Hunley (Anthropology), Kodric-Brown, Loker, Lowery, Marshall, Miller, Natvig, Nelson, Pockman, Poe, Sinsabaugh, Smith, Stricker, Takacs-Vesbach, Thronhill, Turner, Werner-Washburne, Yates

Adjunct or Part-time Faculty (8):
Michelle Baker, Sara Brant, Jerry Dragoo, Bruce Hofkin, Leah Larkin, Jeff Nekola, Diana Northup, Si-Ming Zhang

Postdoctoral Fellows (13):
Chris Allen, Anthony Aragon, Don Benn, Anton Bryantsev, Ayesha Burdett, Bill Dvorachek, Ben Hanelt, Andrew Hope, Megan Osbourne, Vijay Ramakrishnan, Michelle Steinauer, Junhuan Xu, Yong Zeng

Graduate Students (34):
Britney Barker, Melanie Barnes, Yvonne Bishop, Dolly Crawford, Natalie Dawson, Armand Dichosa, Jose Frances, Karen Gaines, Jozlyn Garcia-Bustamante, Larisa Harding, Lynda Helander, Mark Horner, Erik Hulebak, Reza Imani, Anson Koehler, Kendra Lipinski, Hugo Magana, Jason Maleney, Sandra Melman, Kendra Mitchel, Zuly Parra, Andrea Porras-Alfaro, Ramina Poschet, Joanna Redfern, Meghan Rogahn, Kathryn Ryan, Ryan Schwarz, Heather Simpson, Jessica Snyder, Jason Thomas, Fernando Torres, Xin Xin Wang, Wade Wilson, Lydia Zeglin

Undergraduates (45):
Rene Aguilera, Chris Aquino, Vani Aran, Michelle Archuleta, Alicia Arguelles, Aurora Auwen, Patrick Blair, Jesse Byrd, Michele Denton, Katrina Diamond, Tracey Diver, Ben Ediger, Martha Esteva, Ricardo Galdomez, Matt Garcia, Jana Gauntt, Ginger George, Julie Glaser, Justine Hall, Antoine Ho, Alicia Hodson, Olan Jackson-Weaver, Regan Karnes, Elisa LaBeau, Thai Lee, Lindsay Livingstone, LeAnn Lovato, Candice Lovato, Lena Moffett, Kathryn Moore, Monica Moya, Phong Nguyen, Medina Nourestani, Vance Oas, Kylea Odenback, Krista Ortega, Clare Parker, Mabel Padilla, Jennifer Rice, Gina Ryan, Cheryl Sensibaugh, Alana Sharp, Joseph Varoz, Nicole Woodwards

Visiting Scientists Using the Facility (10):
Wael Lotfy (Medical Research Institute, Alexandria, Eygpt) working with Dr. Loker
Claire Sanderson (University of Sydney) working with Dr. Baker
Ramina Poschet (Pharmacolgy/UNM Timmins Lab) working with Dr Miller
Megan Friggins (Northern Arizona University) working with Dr. Yates/Parmenter
Robin Simons (Chemical Engineering/UNM Lopez Lab)
Carol Linder and Lisa Bentson (New Mexico Highlands University)
Ilanit Tal (Psychology Gangestad/Miller Lab) working with Dr. Thornhill
Brian Coles (Natural History Museum of Wales) working with Dr. Nekola
Pat Dolan (Sandia Labs)
Mike Spilde (Earth and Planetary Sciences)

Research Staff (16):

Vint Blackburn, Mike Boyden, Jennifer Ellwell, Kelly Fitzpatrick, Jennifer Hathaway, Elizabeth Hatton, Jessica Jakubanis, Ray Joe, Chris Lauber, Tyanna Lovato, Bonnie Lun, Elizabeth Racz, Angelina Rodriguez, George Rosenberg, Barbara Stout, Chrisna Thomas

INSTRUCTION AND TRAINING

Formal Courses which used the MBF

Biol 402 Perl for Bioinformatics
Biol 425 Molecular Genetics
Biol 444 Genomics & Genomic Analysis
Biol 446/546 Molecular Methods
Biol 478 Plant Physiology

Public Outreach

Oni Leach from Highland High visited with ten students on 4/27/07.
Rebecca Rae from Ramah High and Greg Tafoya (UNM) visited with 14 students on 5/8/07.
Jenny Noble from Monte del Sol Charter School visited with eight students on 5/25/07.
Jose Herrera from Truman State University visited with six students on 3/6/07.

Other Undergraduate Training Programs

1. IMSD
2. MARC

SPONSORED PROJECTS USING THE MBF

Principal Investigator(s): Adema, C
Sponsor: DHHS
Amount: $1,279,930
Title: Anti-Pathogen Responses in Biomphalaria Glabrata
Project Period: 4/1/03-3/31/08

Principal Investigator(s): Baker, M
Sponsor: NSF
Amount: $600,000
Title: Marupial Immunobiology
Project Period: 5/1/07-4/30/11

Principal Investigator(s): Cook, J
Sponsor: NSF
Amount: $512,690
Title: Beringian Coevolution Project II
Project Period: 8/1/04-12/31/07

Principal Investigator(s): Cook, J
Sponsor: NSF
Amount: $15,000
Title: REU Beringian Coevolution Project II
Project Period: 7/1/05-12/31/06

Principal Investigator(s): Cook, J
Sponsor: Forest Service
Amount: $49,983
Title: Mammal Inventory of the Tongass National Forest
Project Period: 7/19/05-7/31/10

Principal Investigator(s): Cook, J
Sponsor: Forest Service
Amount: $39,000
Title: NFIM Mammal Monitoring and Inventory of the Tongass National Forest
Project Period: 7/22/05-9/30/07

Principal Investigator(s): Cook, J
Sponsor: US Fish/Wildlife
Amount: $124,500
Title: Molecular Perspectives on Tongass
Project Period: 7/29/03-7/30/08

Principal Investigator(s): Cook, J / Dragoo, J
Sponsor: NM Game & Fish
Amount: $6,218
Title: Swift Fox Scat Identification 2006
Project Period: 5/16/06-3/31/07

Principal Investigator(s): Cripps, R
Sponsor: NIGMS
Amount: $1,607,837
Title: Genetic Regulation of Muscle Fiber Diversity
Project Period: 5/1/01-4/30/08

Principal Investigator(s): Cripps, R
Sponsor: DHHS
Amount: $51,756
Title: Genetic Regulation Of Muscle Fiber Diversity
Project Period: 5/1/04-4/30/07

Principal Investigator(s): Cripps, R
Sponsor: AHA
Amount: $42,000
Title: Hox Genes and the Patterning of the Drosophila Dorsal Vessels
Project Period: 1/1/05-12/31/06

Principal Investigator(s): Cripps, R
Sponsor: NIH
Amount: $785,419
Title: Genetic Regulation of Cell Fate in the Drosophila Heart
Project Period: 4/1/05-3/31/08

Principal Investigator(s): Cripps, R
Sponsor: AHA
Amount: $24,000
Title: Hox Genes and the Patterning of the Drosophila Dorsal Vessels
Project Period: 1/1/07-12/31/07

Principal Investigator(s): Hanson, D
Sponsor: SNL
Amount: $40,000
Title: Inorganic Carbon Usage by the Marine Cyanobacterium Synechococcus WH8102
Project Period: 10/1/05-9/30/06

Principal Investigator(s): Larkin, L
Sponsor: Forest Service
Amount: $15,108
Title: Biology and Management of Woody Plants in a Semi-arid Grassland
Project Period: 4/24/07-6/30/08

Principal Investigator(s): Larkin, L
Sponsor: NSF
Amount: $332,333
Title: RESVSYS: A Holistic Approach to a Holartic Group: Subgeneric Relationships Within the Genus Andrena Fabricius
Project Period: 3/1/04-3/31/08

Principal Investigator(s): Loker, S
Sponsor: DHHS
Amount: $1,836,497
Title: COBRE Center for Evolutionalry and Theoretical Immunology 05-06
Project Period: 7/1/05-6/30/07

Principal Investigator(s): Loker, S
Sponsor: Dept of Agriculture
Amount: $16,768
Title: MR-Collaboration: Praziquantel Resistance in Egypt: Testing and Use of an In-Vitro Assay
Project Period: 9/1/05-8/31/07

Principal Investigator(s): Loker, S
Sponsor: NIH
Amount: $665,213
Title: Biology of Trematode-Snail Associations
Project Period: 3/1/06-2/29/08

Principal Investigator(s): Loker, S
Sponsor: DHHS
Amount: $1,721,046
Title: COBRE Center for Evolutionalry and Theoretical Immunology 05-07
Project Period: 9/30/03-6/30/07

Principal Investigator(s): Loker, S
Sponsor: NIAID
Amount: $1,125,212
Title: Evo-epidemiology of Schistosoma mansoni in Western Kenya
Project Period: 4/1/04-4/30/08

Principal Investigator(s): Marshall, D
Sponsor: Dept of Agriculture
Amount: $76,555
Title: Genetic Variability, Life History & Mating System of Invasive Plant FY 05-06
Project Period: 9/1/05-8/31/07

Principal Investigator(s): Miller, R
Sponsor: NSF
Amount: $420,000
Title: Structure and Evolution of the MHC in a Model Marsupial
Project Period: 5/15/03-7/30/07

Principal Investigator(s): Natvig, D
Sponsor: Forest Service
Amount: $11,000
Title: Does Drought Exacerbate Damage Caused by Bark-Beetle-Associated Fungi in Pinyon-Juniper Woodland Ecosystems?
Project Period: 5/5/06-5/1/07

Principal Investigator(s): Natvig, D
Sponsor: Forest Service
Amount: $2,750
Title: Does Drought Exacerbate Damage Caused by Bark-Beetle-Associated Fungi in Pinyon-Juniper Woodland Ecosystems?
Project Period: 5/5/06-5/1/07

Principal Investigator(s): Nekola, J
Sponsor: NSF
Amount: $33,346
Title: Collaborative Research: Radiocarbon Dating of North American Gastropod Shells
Project Period: 8/15/06-7/31/07

Principal Investigator(s): Nelson, M
Sponsor: Dartmouth College
Amount: $106,207
Title: Functional Analysis Of A Modelfilamentous Fungus: Ests
Project Period: 4/1/04-3/31/07

Principal Investigator(s): Nelson, M
Sponsor: NIH
Amount: $314,515
Title: Undergraduate Biomedical Reseach Training at UNM
Project Period: 7/1/06-5/31/07

Principal Investigator(s): Nelson, M
Sponsor: Dartmouth College
Amount: $107,268
Title: Functional Analysis Of A Modelfilamentous Fungus: Ests
Project Period: 4/1/06-3/31/07

Principal Investigator(s): Northup, D
Sponsor: T&E, INC
Amount: $1,964
Title: Genetic Bacteria as Indicators of Human Impact in Caves
Project Period: 6/1/05-12/31/06

Principal Investigator(s): Northup, D
Sponsor: NSF
Amount: $291,644
Title: Identification of Microbial Signatures in Biogenic Cave Ferromanganese Deposits
Project Period: 8/15/03-7/31/07

Principal Investigator(s): Northup, D
Sponsor: SW Reg NSS
Amount: $400
Title: Identification of the Microbial Communities Associated with Roots in New Mexico Lava Tubes
Project Period: 12/14/05-12/13/06

Principal Investigator(s): Northup, D
Sponsor: NSF
Amount: $5,000
Title: Identification Of Microbial Signatures in Biogenic Cave Ferromanganese Deposits
Project Period: 8/15/03-7/31/07

Principal Investigator(s): Sinsabaugh, R
Sponsor: NSF
Amount: $143,998
Title: Nitrogen Cycle of a semi-arid Grassland: A Fungal Loop
Project Period: 7/15/05-6/30/07

Principal Investigator(s): Takacs-Vesbach,C
Sponsor: NSF
Amount: $371,545
Title: A microbial inventory of the greater Yellowstone Ecosystem Thermal
Project Period: 8/1/02-7/31/06

Principal Investigator(s): Takacs-Vesbach,C
Sponsor: SNL
Amount: $40,000
Title: SURP 06/07: Application of Molecular Techniques to the Study of Microbial Biofilms
Project Period: 10/1/06-9/30/07

Principal Investigator(s): Takacs-Vesbach,C
Sponsor: NSF
Amount: $160,747
Title: Collaborative Research: Hydrologic Controls Over Biogeochemistry and Microbial Community Structure and Function Across Terrestrial/Aquatic Interfaces in a Polar Desert
Project Period: 7/1/04-6/1/07

Principal Investigator(s): Thornhill, R
Sponsor: NSF
Amount: $340,883
Title: Genetic Conflicts Of Int, Fluct, Assym and The Mhc
Project Period: 8/1/02-1/31/08

Principal Investigator(s): Turner, T
Sponsor: NSF
Amount: $413,329
Title: CAREER: Museum-Based Approaches to Ecology and Evolution of Aquatic Systems: An Integrated Research and Educational Program
Project Period: 5/1/02-4/30/08

Principal Investigator(s): Turner, T
Sponsor: NSF
Amount: $30,800
Title: REU:CAREER: Museum Based Approaches to Ecology and Evolution of Aquatic Systems
Project Period: 5/1/02-4/30/08

Principal Investigator(s): Turner, T
Sponsor: Bureau Reclamation
Amount: $541,448
Title: Conservation Genetics of the Rio Grande Silvery Minnow (RGSM): Baseline Population Genetics of Wild Stocks
Project Period: 6/26/02-9/30/07

Principal Investigator(s): Turner, T
Sponsor: NSF
Amount: $10,958
Title: Local Adaptation and Gene Flow in a Fragmented Host System: Crepidostomum Farionis (Digenea) and Oncorhynchus Clarki Virginalis (salmoinade) in NM
Project Period: 6/15/06-8/31/07

Principal Investigator(s): Turner, T
Sponsor: US Fish & Wildlife
Amount: $65,137
Title: Assessment of Diversity at the Major Histocompatibility Complex in the Rio Grande Silvery Minnow (Hybognathus Amarus)
Project Period: 9/21/06-8/30/08

Principal Investigator(s): Turner, T
Sponsor: NM Game & Fish
Amount: $24,000
Title: Genetic Monitoring of the Pecos Bluntnose Shiner
Project Period: 5/25/07-6/30/09

Principal Investigator(s): Werner-Washburne,M
Sponsor: NIGMS
Amount: $1,405,991
Title: A Compendium of Gene Expression in Stationary Phase
Project Period: 7/1/02-6/30/07

Principal Investigator(s): Werner-Washburne,M
Sponsor: NSF
Amount: $125,213
Title: Analysis of Quiescent and Non-quiescent Cells in Stationary-Phase Yeast Cultures
Project Period: 2/1/05-1/31/09

Principal Investigator(s): Werner-Washburne,M
Sponsor: DHHS
Amount: $65,454
Title: Compendium Of Gene Expressionin Stationary Phase
Project Period: 7/1/02-6/30/07

Principal Investigator(s): Werner-Washburne,M
Sponsor: NIGMS
Amount: $537,729
Title: Initiative for Minority Student Development at UNM
Project Period: 2/1/06-1/31/07

Principal Investigator(s): Werner-Washburne,M
Sponsor: NSF
Amount: $484,347
Title: The Biogenesis and Survival of Vegetative, Quiescent Yeast Cells
Project Period: 1/22/07-3/31/10

Principal Investigator(s): Werner-Washburne,M
Sponsor: NIGMS
Amount: $537,800
Title: Initiative for Minority Student Development at UNM
Project Period: 2/1/07-1/31/08

Principal Investigator(s): Werner-Washburne,M
Sponsor: NSF
Amount: $10,000
Title: PAESMEM: Demystifying Genomics - Opening Doors
Project Period: 6/15/04-5/31/07

Principal Investigator(s): Yates, T
Sponsor: DHHS
Amount: $2,467,243
Title: Longitudinal Studies Of Rodent reservoirs Of Hantaviruses in Sw U.S.
Project Period: 9/30/96-9/29/06

Principal Investigator(s): Yates, T
Sponsor: NSF
Amount: $30,000
Title: Ecological Drivers of Rodent-Bourne Diseases
Project Period: 4/14/04-8/31/07

Principal Investigator(s): Yates, T
Sponsor: DARPA
Amount: $194,874
Title: Predictive Modeling, Visualization and Data Reduction
Project Period: 9/15/05-9/30/07

Principal Investigator(s): Yates, T
Sponsor: NSF
Amount: $1,675,000
Title: Ecological Drivers of Rodent-Bourne Diseases
Project Period: 9/1/03-8/31/07

PEER REVIEWED PUBLICATIONS WHICH UTILIZED THE FACILITY

Adema, C.M., Luo, M.-Z., Hanelt, B., et al. (2006). "A bacterial artificial chromosome library for Biomphalaria glabrata, intermediate snail host of Schistosoma mansoni." Memorias do Instituto Oswaldo Cruz 101(Suppl. I): 167-177.

Agola, L., Mburu, D., DeJong, R., Mungai, B., Muluvi, G., Njagi, E., Loker, E. and Mkoji, G. (2006). "Microsatellite typing reveals strong genetic structure of Schistosoma mansoni from localities in Kenya." Infection, Genetics and Evolution 6(6): 484-90.

Baker, M.L., Indiviglio, S., Nyberg, A.M., Rosenberg, G.H., Lindblad-Toh, K., Miller, R.D. and Papenfuss, A.T. (2007). "Analysis of a set of Australian northern brown bandicoot expressed sequence tags with comparison to the genome sequence of the South American grey short tailed opossum." BMC Genomics 8: 50.

Baker, M.L. and Miller, R.D. (2007). "Evolution of mammalian CD1: marsupial CD1 is not orthologous to the eutherian isoforms and is a pseudogene in the opossum Monodelphis domestica." Immunology 121(1): 113-21.

Barton, L.L., Goulhen, F., Bruschi, M., Woodards, N.A., Plunkett, R.M. and Rietmeijer, F.J. (2007). "The bacterial metallome: composition and stability with specific reference to the anaerobic bacterium Desulfovibrio desulfuricans." Biometals 20(3-4): 291-302.

Garver-Apgar, C., Gangestad, S., Thornhill, R., Miller, R. and Olp, J. (2006). "Major histocompatibility complex alleles, sexual responsivity, and unfaithfulness in romantic couples." Psychological Science 17(10): 830-5.

Hass, C.C. and Dragoo, J.W. (2006). "Rabies in hooded and striped skunks in Arizona." J Wildl Dis 42(4): 825-9.

Hendren, J.D., Shah, A.P., Arguelles, A.M. and Cripps, R.M. (2007). "Cardiac expression of the Drosophila Sulphonylurea receptor gene is regulated by an intron enhancer dependent upon the NK homeodomain factor Tinman." Mech Dev 124(6): 416-26.

Johnson, G.V. and Barton, L.L. (2007). "Inhibition of iron deficiency stress response in cucumber by rare earth elements." Plant Physiology and Biochemistry 45(5): 302-308.

Lieb, B., Dimitrova, K., Kang, H., Braun, S., Gebauer, W., Martin, A., Hanelt, B., Saenz, S., Adema, C. and Markl, J. (2006). "Red blood with blue-blood ancestry: intriguing structure of a snail hemoglobin." Proceedings of the National Academy of Sciences of the United States of America 103(32): 12011-6.

Loker, E. and Brant, S. (2006). "Diversification, dioecy and dimorphism in schistosomes." Trends in Parasitology 22(11): 521-8.

Mikkelsen, T.S., Wakefield, M.J., Aken, B., et al. (2007). "Genome of the marsupial Monodelphis domestica reveals innovation in non-coding sequences." Nature 447(7141): 167-77.

Parra, Z.E., Baker, M.L., Schwarz, R.S., Deakin, J.E., Lindblad-Toh, K. and Miller, R.D. (2007). "A unique T cell receptor discovered in marsupials." Proc Natl Acad Sci U S A 104(23): 9776-81.

Ryan, K., Hendren, J., Helander, L. and Cripps, R. (2007). "The NK homeodomain transcription factor Tinman is a direct activator of seven-up in the Drosophila dorsal vessel." Developmental Biology 302(2): 694-702.

Schwarz, R.S., Hodes-Villamar, L., Fitzpatrick, K.A., Fain, M.G., Hughes, A.L. and Cadavid, L.F. (2007). "A gene family of putative immune recognition molecules in the hydroid Hydractinia." Immunogenetics 59(3): 233-46.

Stricker, S. and Smythe, T. (2006). "Differing mechanisms of cAMP- versus seawater-induced oocyte maturation in marine nemertean worms II. The roles of tyrosine kinases and phosphatases." Molecular Reproduction and Development 73(12): 1564-77.

Stricker, S. and Smythe, T. (2006). "Differing mechanisms of cAMP- versus seawater-induced oocyte maturation in marine nemertean worms I. The roles of serine/threonine kinases and phosphatases." Molecular Reproduction and Development 73(12): 1578-90.

Turner, T., Osborne, M., Moyer, G., Benavides, M. and Alo, D. (2006). "Life history and environmental variation interact to determine effective population to census size ratio." Proceedings Biological Sciences 273(1605): 3065-73.

APPENDIX H

MUSEUM OF SOUTH-WESTERN BIOLOGY SUMMARY

MUSEUM OF SOUTHWESTERN BIOLOGY
ANNUAL REPORT FOR 2006
DIRECTOR'S SUMMARY

In December 2006, I completed my first 18 months as Director and the MSB Curators endured their first full year with a non-curator as Director. Things seem to be coming together in that the invisible partitions between the various divisions are beginning to blur and more of a "museum" attitude is developing. Almost all our divisions of the MSB had an even more remarkable year in personal accomplishments and productivity than they did in 2005.

As stated in our 2004 Annual Report, MSB now does only one report, an AY report for the previous year, for both the College and the Department. This makes sense to us for reasons stated in that report. Thus, MSB's mid-year report for the College (due in October) summarizes only the previous year, from January 1 through December 31 and this report lists all accomplishments of the MSB faculty, staff, and students for 2006.

Many of the building errors and substandard construction issues that occurred in the renovation of CERIA, as summarized in my 2005 Annual Report, either were fixed or the funding is now in place to make the corrections and the remaining work is in the planning stage or in progress. Those repairs that have been completed include:

- Purchased 17 FUMEX point-exhaust arms, nozzles, connectors to fit the refurbished 4" ducts in 5 labs;
- Removed acid dilution tank from hallway in the basement;
- Completed installation of a new, 6 inch, reinforced concrete loading dock;
- Completed construction of the outside storage sheds both for flammable liquids and field equipment;
- Installed new dome fan (ER-3) on the roof to so that exhaust of the hood above the kettle (dirty prep lab, room 237) could draw and circulate air properly and could be certified by SHEA;
- Added new signage to 3 floors of the building;
- Painted walls and tiled floors in front entrance staircase;
- Repaired (some) roof leaks;
- Purchased miscellaneous office furniture.

Those repairs that either are in the planning stage or in the process of completion include:

- Adding our 5 data storage/server rooms to the emergency generator;
- Reducting and reventilating HVAC system in the basement including: new dampers and actuators, and 3 new, larger exhaust fans (due to be installed 07/21/07);
- Upgrading CERIA's security system with 3 additional card readers;

- Retrofitting room 125 from a classroom/conference room to a second fluid storage room for stainless steel tanks (to alleviate congestion of these tanks occupying floor space in our wet collections lab, room 145); Mark Manzutto is working on the drawings for the storage racks;
- Working with Joe Brawley to look at portable storage units to solve the problem posed by where the" bugs" (dermestid colonies) should be housed.

The MSB hosted two important events in 2006. The first was the combined meeting of the Society for the Preservation of Natural History Collections (SPNHC) and the Natural Science Collections Alliance (NSCA), 23-27 May. The theme was "The Road to Productive Partnerships" with a focus on the various local, state and federal agencies we work with for collection permits, curation and loan of specimens, and reports of locality information for museum and agency databases. Several of our Collection Managers, especially, Jane Mygatt (Herbarium), Cindy Ramotnik (USGS), Cheryl Parmenter (Genomic Resources), Dave Lightfoot and Sandy Brantley (Arthropods), and Tom Giermakowski (Amphibians & Reptiles), along with graduate student Chris Frazier, did the majority of the work in coordinating this important event. Cindy, Cheryl and Jane served as the meeting co-organizers, Dave and Sandy led field trips to the Sandia Mountains to visit plants and animals associated with the 4 life zones there, Chris and Tom were crucial to the success of the meetings in providing webmaster skills, program and workshop development, and coordinating speakers and presentations. The venue for this meeting was the historic Hotel Albuquerque in Old Town and the meeting attracted a record number of attendees and highlighted collaborative efforts of scientific collections with other museums, state and government organizations, private entities, and international groups.

On October 8, MSB hosted the Gala Building Dedication/Open House of CERIA. Ably assisted by MSB Group Administrator, Cathy Osborn, we met regularly to plan, consult, set up committee structure, and design infrastructure; we then worked as closely as we could with MSB personnel in all divisions and with Susan Dever in Media Arts, Ed Angel in Art Technology, Bob Waide in the LTER Network Office, Scott Collins in the Sevilleta LTER Office, Terry Yates in the VPR Office, Jane Slaughter in A&S, Sachi Isobe and Debbie Dobson in A&S/Development, and others. Several hundred visitors, a good number from other Universities, attended this historic event. The program included an opening welcome buffet and drinks, then remarks by Terry Yates, Vice President for Research and Economic Development, Vera Norwood, Interim Dean, College of Arts and Sciences, and Christopher Mead, Dean, College of Fine Arts. During this formal part of the ceremony, Dr. Robert Baker, Horn Professor of Biology, Texas Tech University, presented MSB Director Duszynski with a commemorative plaque that read, "Congratulations, Museum of Southwestern Biology, on the Grand Opening of a Magnificent New Museum Facility. From your friends and colleagues at The Museum, Texas Tech University, 8 October 2006." Following the formal dedication ceremony each unit in CERIA had a variety of PowerPoint® presentations, videos, talks, and displays.

Those contributed by our MSB divisions included:

Amphibians & Reptiles
Mapping New Mexico's Herpetological Diversity: Where are the State's Amphibians and Reptiles?
25 Years of MSB collaboration in the Galápagos Islands of Ecuador.

Arthropods
Research and Outreach

Birds
MSB Bird Collection: 130 Years of Ornithology in the Southwest

Fishes
The Role of the MSB Division of Fishes in Conservation of New Mexico's Fishes

Genomic Resources
A Visual Presentation of the Procedures and Projects of the Division of Genomic Resources

Herbarium
Flora of the Middle Rio Grande

Mammals
Overview of the MSB Division of Mammals and the Importance of Natural History Collections
Mammalian Diversity in New Mexico
Museum Voucher Specimen Preparation
Natural History Collections and Game Management

Natural Heritage New Mexico
NHNM: Providing Education, Research, and Information on New Mexico's Biodiversity

United States Geological Survey
The Role of Natural History Collections in the USGS

In September, Diana Northup, Editor of the MSB Publication Series, decided she was overcommitted and no longer could perform the duties of this (lavishly unpaid) office. At the time of her resignation, there were 4 manuscripts in the pipeline (Sivinski, Dickerman, MacDonald and Cook, Hope and Parmenter). In a memo (9/20/06) to the Curators I expressed the urgency of the situation and I put forth the name of Lee Couch for them to consider as the new Publication Series Editor, with the statement, she "is one of the most competent people I know, with a very critical eye for detail in editing documents." In a subsequent meeting in October, the Curators unanimously approved Lee as the Interim Editor. Since then she has shepherded these 4 manuscripts through to electronic publication (PDFs on our web site) and she also has corrected the many

mistakes in the original manuscript of John Hubbard's 2002 Occasional Paper (No. 9) and put her revised PDF version on our web site.

MSB is sorely lacking in not having any financial resources (from A&S/UNM) to support 2 critical positions: 1) a building manager to take care of the day-to-day operation of the complexities of CERIA; and 2) our data management infrastructure—there is no coherent, unified (unification may not be critical), structured plan for such things as data security, data backup/management, systems maintenance, IT innovation, trouble shooting viruses/worms, purchasing hardware and software, and more.

Through the effort of Cathy Osborn, MSB web pages have been updated, all prior (hard copy) publications of the MSB Publication series have been added to our MSB Publication series web page (http://www.msb.unm.edu/publications/publications.html) and the web pages of all divisions have been unified, to some degree.

All of our divisions have accomplishments that are noteworthy, but I would like to highlight one here which I think epitomizes what the MSB is all about. That is the completion of the Undergraduate Mentorships in Environmental Biology (UMEB) Program that is detailed in the report of the Division of Mammals. This grant, which provided substantial support for student education and employment was conducted in collaboration with the Sevilleta Long Term Ecological Research (LTER) Program. The goals of the program were to: (1) instruct undergraduates in the principles of scientific research; (2) expose students to ecological research techniques and career opportunities; (3) facilitate individual student research projects; and (4) encourage students to continue scientific education in upper-division courses and graduate school. To accomplish these goals, the program included: (1) orientation meetings devoted to ecological research at the Sevilleta and MSB; (2) faculty-student one-on-one instruction of hypothesis development and research protocols; (3) field and laboratory experiences in sampling and data collection; (4) implementation of student research projects, carried out under the guidance of student-selected faculty; (5) a UMEB Symposium for project presentations, (6) attendance at scientific meetings; and (7) preparation and submission of project manuscripts for Senior Honors Theses and, when appropriate, scientific journals. These activities integrated all theoretical and technical aspects of the LTER and MSB, and promoted a holistic approach to large-scale ecological studies. What is especially noteworthy about this program was the success of its 56 student participants. To date, 45 received their B.S. degrees (80%), including 11 Native Americans (19%, 7 graduated to date), 15 Anglos (27%, 11 graduated), 31 Hispanics (55%, 26 graduated), and 2 African American (3.6%). Overall, we expect that 48/56 participants (88%) will earn a B.S. degree, a much higher percentage than their non-program peers at UNM (graduation rate 46%).

The MSB continued to make major advances and accomplishments in all areas within its mission in 2006:

Visitors to the MSB (637). Annual visitors to the various divisions of the MSB consist mostly of research scientists from around the world, but with a small number of the

general public sometimes interested in looking around and/or getting information. The number reported is for the divisions housed in CERIA, with those visitors coming to see personnel of the USGS logged into either the mammal or bird counting systems.

Peer-reviewed publications (62). These include 53 scholarly articles in refereed journals, 4 chapters published in different scholarly books, 1 lab manual, and 4 web based publications or compendia.

Technical reports completed (35). Some of our divisions, especially NHNM and USGS, are more likely to get funding for their scholarly activities from contracts through numerous federal and state governmental agencies. Such agencies require final Technical Reports to be written and the writing of these reports is no less time-consuming than that needed to produce a quality peer-reviewed publication.

Presentations/posters at national and international meetings (83+). Many of the faculty, staff and students associated with the 9 divisions in the MSB attend professional meetings and present the results of their research in the form of oral presentations and posters while others, because of their reputations or expertise, are asked to give seminars at other universities or government agencies. Some, principally VPR Terry Yates, present so many invited talks annually, that he is unable to record them other than listing "many." Thus, in 2006, MSB faculty, students and staff presented 18+ invited lectures and (minimally) 65+ presentations and posters at many meetings/venues throughout the world.

UNM courses using MSB collection materials for their teaching (25+). Many courses, taught at UNM, some with multiple sections both in Biology and in other departments and colleges, use specimens and/or data from one or more of our divisions in teaching. Each of the seven specimen-based divisions contributed specimens to these 25+ courses that served 686 students.

Number of courses taught (23) and students served (705) by MSB faculty, adjuncts and graduate students. MSB faculty, adjunct faculty and graduate students taught the following classes, sections, and (number of students taught):
Biology: 203 (105); 204 (87); 247 (90); 248 (90); 379 (34); 386 (37); 402, 2 sections (11); 402/502, 4 sections (27); 461/561L (15); 463/563 (14); 478 (10); 487 (13); 488 (12); 489 (16); 502, 5 sections (35); 517 (12); 551, 2 sections (2); 599 (2); 699, 3 sections (9);
A&S: 198/602, (22);
Honors: 324 (12);
BioMed. 555 (16);
ARSC 198 (18).

New specimens catalogued (180,545). The number of specimens archived/catalogued into the MSB annually is an unambiguous measure of the activity of the collections. Because of the nature of fishes and the way in which they are collected, an active fish collection should always inventory a very large number of specimens compared to other

vertebrate collections (e.g., birds). Our fish division is no exception, this year collecting 81.4% (147,083) of all new specimens brought into the MSB in 2006.

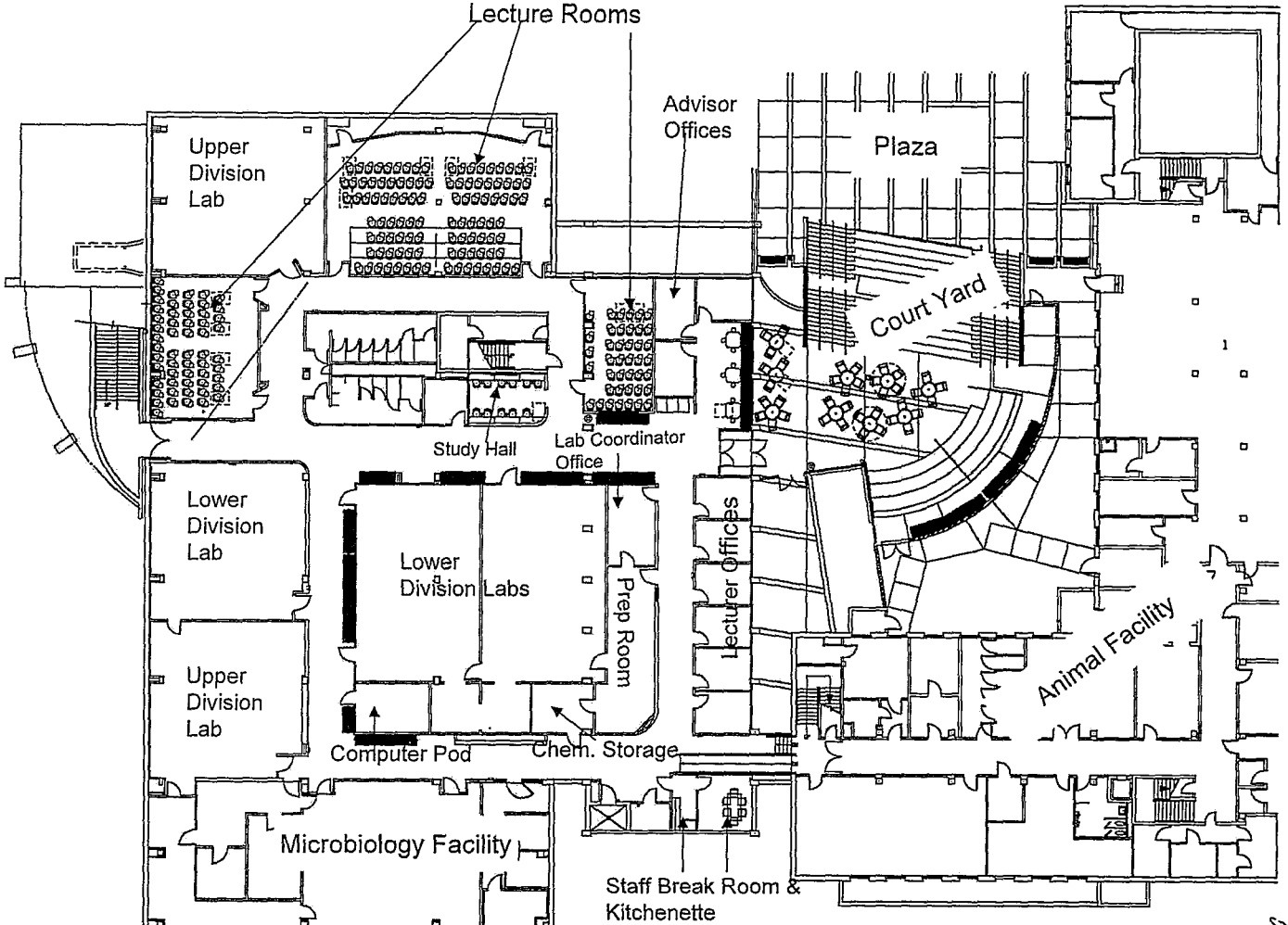
Personal requests for information (1,316). Requests for information from the nine divisions can vary from folks who stop in to ask questions, to phone calls from scientists, government agencies or the general public. Each of these personal requests takes time and uses resources from our curators and collection managers. These requests do not include the tens of thousands of such inquiries/year from hits and downloads of information from our web sites and data bases.

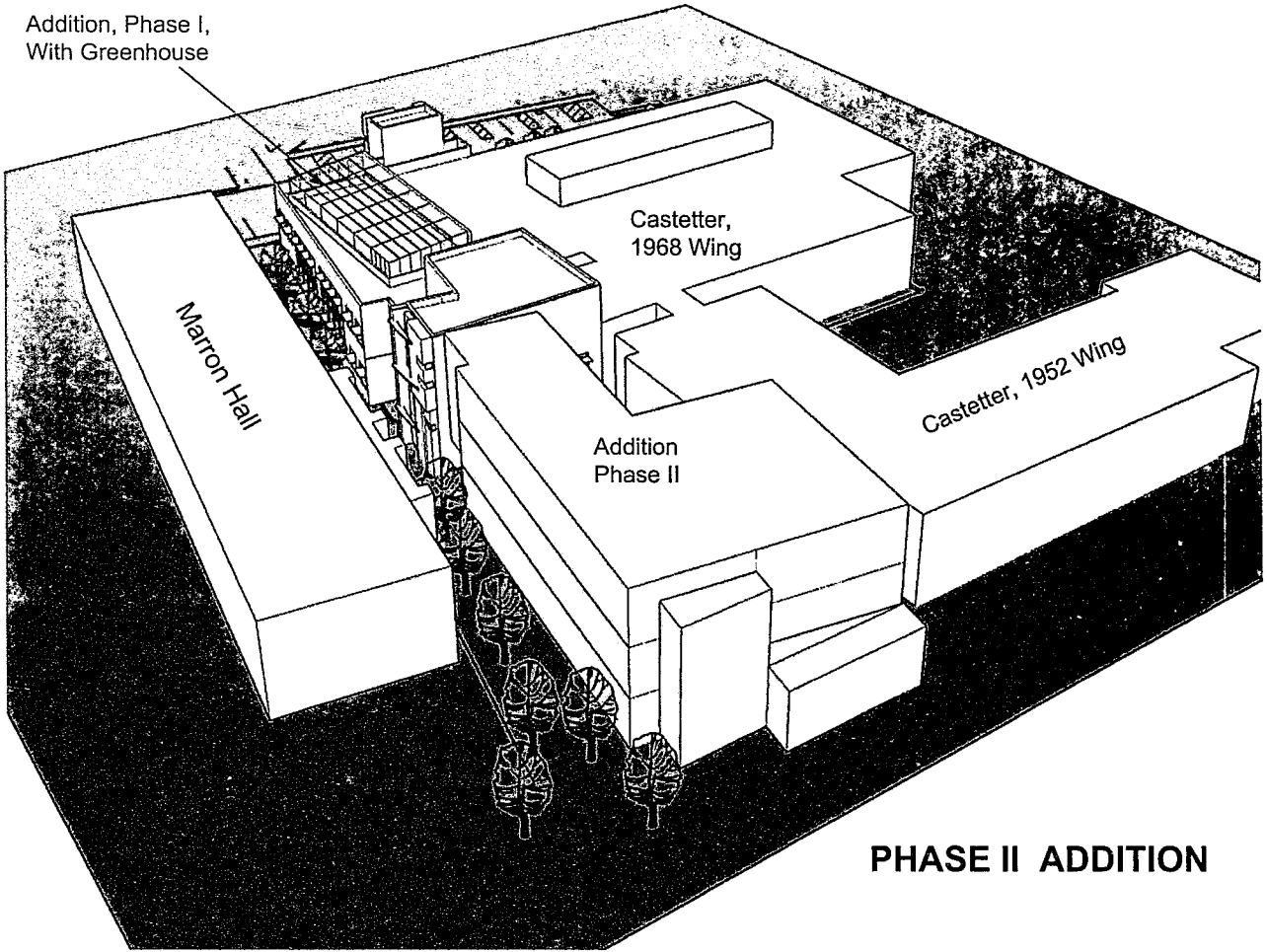
Grants and contracts in force (98). MSB faculty, museum associates, staff, and students participated in research and scholarly activities involving 98 different awards, contracts or grants from federal, state, private, and local agencies in 2006.

Federal, state, local, and private grant/contract/award dollars (app. $13,832,844). MSB personnel had their names on 98 awards worth >$13,832,844 million dollars in 2006. However, this number is deceiving because grants are usually multi-year awards so, obviously, this amount did not come directly to A&S or to Biology or to the MSB in 2006, and neither did much of the F&A generated by many of these funds. This amount also does not include a grant to UNM on which Terry Yates is the PI (as Vice President for Research) from the Defense Threat Reduction Agency for $51,000,000 (*University Strategic Partnership, Active Task Orders*) as this grant brings no money or overhead to A&S, Biology, or the MSB. Also not included is the $4,200,000 Sevilleta LTER grant on which several MSB Curators are co-PI's because the F&A for that grant is negotiated directly with A&S and neither Biology nor the MSB receive indirect costs. In addition, recording outside money received in any time frame is a complex process. Awards are made at many different times of the year and each has a different length of their duration (from months to years) depending on the funding agency and the task(s) required. F&S varies from agency to agency and is awarded in different methods and at different times during the length of the grant. For example, in a grant awarded for five years, the disbursement of funds (and F&A) varies from year to year. The amount of actual participation on any particular grant also may vary; thus, as noted above, at least three of the faculty in MSB are listed as one of many co-PIs on the Sevilleta LTER grant funded by NSF. However, their role in writing the grant was negligible (pers. comm., S. Collins), as well might be their actual participation in the research work done on the grant. Thus, this grant was not counted in the grant dollars recorded above and it is noted that none of the F&A returns to the MSB. In result, this $13.8 million is a misleading figure, but it is nonetheless an index of the great activity and versatility of the MSB Curators. However, this year I did ask Curators to list both the amount of their research funds that were "in force" in only 2006 along with the amount of 2006 F&A generated by these funds; these amounts were $3,892,602 and $723,372++ (no F&A was reported on grants from the Division of Genomic Resources), respectively (see category 6 in each division's annual report, below).

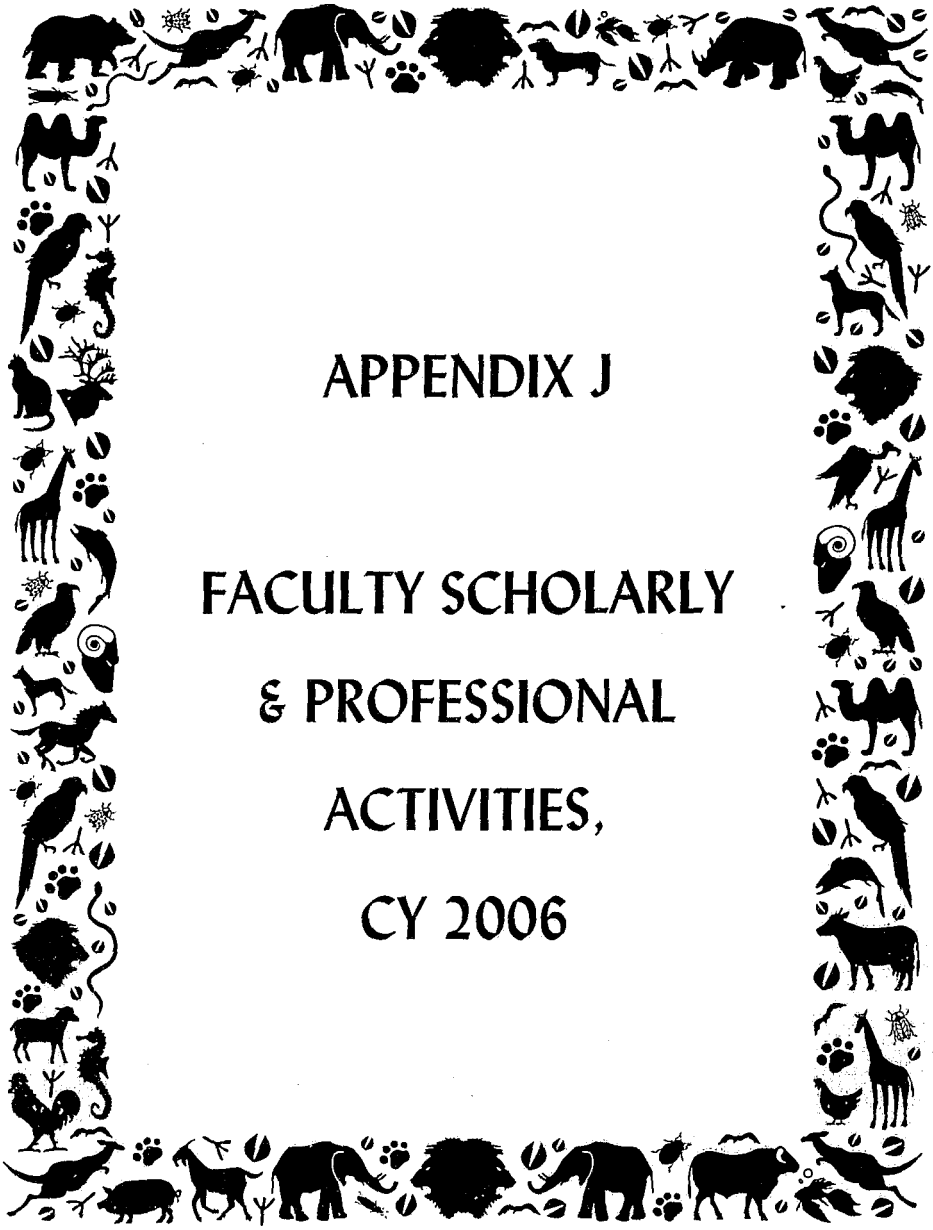
APPENDIX I

CASTETTER HALL RENOVATION


Lecture Rooms
Advisor Offices
Plaza
Upper Division Lab
Court Yard
Study Hall
Lab Coordinator Office
Lower Division Lab
Lower Division Labs
Prep Room
Lecturer Offices
Animal Facility
Upper Division Lab
Computer Pod
Chem. Storage
Microbiology Facility
Staff Break Room & Kitchenette



PHASE II ADDITION



APPENDIX J

FACULTY SCHOLARLY & PROFESSIONAL ACTIVITIES, CY 2006

UNM DEPARTMENT OF BIOLOGY

FACULTY SCHOLARLY ACTIVITIES & PUBLICATIONS

CY 2006

I. TEACHING.

A. Graduate Education.

1. Masters degrees awarded.

COOK, J.A.

Anson van Arsdale Koehler, "Systematics, Phylogeography, Distribution, and Life Cycle of *Soboliphyme baturini*," December.

DAHM, C.N.

Jeanine K. McGann, Masters of Water Resources: "The Effects of a Prescribed Burn on Streambed Sediments, Macroinvertebrate Assemblages, and Water Quality in the Valle Toledo, Valles Caldera National Preserve, New Mexico," Fall.

LOKER, E.S.

Nirvana Barker, Plan II.

SINSABAUGH, R.L.

Martina Stursova, "Microbial Response to Long-term Nitrogen Deposition in a Semiarid Grassland," Spring.

TAKACS-VESBACH, C.D.

Michael Bobb, "Spatial Patterns of Bacterial Diversity in Cold Desert Riparian Zones, Summer.

TURNER, T.F.

Maureen B. Peters, M.S., "Genetic Variation in the MHC Class II Region of the Threatened Gila Trout," July.

WOLF, B.O.

William Neuwirth, "The Effects of Piñon Pine Die-offs on the Abundance and Diversity of Birds in Northern New Mexico," Fall.

2. Doctors degrees awarded.

ALTENBACH, J.S.

Valdez, Ernie:

Thesis Chapters:

"Geographic Variation in *Myotis occultus* in New Mexico and Southern Colorado, with Comments on *M. lucifugus*."

"Food Habits of *Myotis occultus* in New Mexico and Southern Colorado."

"Ectoparasites of *Myotis occultus* form New Mexico and Southern Colorado."

BARTON, L.L.

Richard Plunkett:"Oxidative Stress Response of Sulfate-reducing Bacteria," Fall.

BROWN, J.H.

Jason Bragg
Jacob Goheen
Katherine Thibault

CHARNOV, E.L.

Lisa Schwanz (co-chair w/ Astrid Kodric-Brown), Spring.

COOK, J.A.

Amy Runck, Idaho State University, Pocatello ID, "After the Ice: Post-glacial Colonization and Hybridization in Red-backed Voles (Genus *Myodes*)," 155 pp., December.

DAHM, C.N.

Jennifer Follstad Shah: "Effects of Flood Regime and Plant Competition on Soil N Cycling in Semi-arid Riparian Ecosystems: Implications for Restoration.," Spring.

Dianne E. McDonnell: "Scaling Evapotranspiration in Canopies along the Middle Rio Grande Corridor in Central, New Mexico," Spring. Jointly advised with Dr. Julie Coonrod, Civil Engineering, UNM.

KODRIC-BROWN, A.

Lisa Schwanz, "Parasitism and Reproductive Allocation in Deer Mice (*Peromyscus maniculatus*)," Spring.

Cynthia Tech, "The Evolution of Reproductive Isolation Between the Pupfishes*Cyprinodon elegans* and *C. variegatus*, Spring.

MILNE, B.T.

Matthew Luck: "Scale Dependence of Interactions among Climate, Topography, and Latitudinal Gradients," October.

Horacio Samaniego: "Dynamical Partitioning of Spatiotemporal Variation within Species Ranges," November.

NATVIG, D.O.

Amy Ditto, "What Determines Variation in Isolated Populations? Ecogeographic Predictors of Genotypic and Phenotypic Variation in Montane Mammals," Summer.

Joslyn Garcia-Bustamante, "Thermophilic Fungi on the Sevilleta National Wildlife Refuge" Summer.

NELSON, M.A.

Harriett J. Bowannie Platero, "The Characterization of *zip-1*, a Novel Gene Expressed During Sexual Development in *Neurospora crassa* and Annotation of the bZIP Proteins Encoded by the *Neurospora crassa* Genome," Fall.

SINSABAUGH, R.L.

Marcy Gallo, "Photodegradation and Plant Litter Decomposition in Arid Ecosystems," Fall.

Christian Lauber, "Edaphic Factors Contributing to Soil Microbial Extracellular Enzyme Activities," Fall.

SMITH, F.A.

Amy M. Ditto, "Ecogeographic Predictors of Genotypic and Phenotypic Variation in Isolated Montane Mammals," Summer.

TAKACS-VESBACH, C.D.

Christian Lauber, "Edaphic Factors Contributing to Soil Microbial Extracellular Enzyme Activities," Fall

Marcy Gallo, "Photodegradation and Plant Litter Decomposition in Arid Ecosystems," Fall

TURNER, T.F.

Melanie Susan Edwards, Ph.D., "Current and Historical Food Webs of the Middle Rio Grande, New Mexico," Fall.

WERNER-WASHBURNE, M.

Anthony Aragon, "Ready, Set, G_0: Studies of Quiescence in Yeast," Fall.

WOLF, B.O.

Katherine Thibault, "Temporal Dynamics of the Structure and Composition of a Desert Rodent Community," May (Jim Brown, supervisor).

3. ***Bona fide* graduate courses and number of students enrolled. Indicate new courses (for you) with an asterisk.**

BARTON, L.L.

Spring: Biol. 460, Microbial Physiology, 37 students
Biol. 551, Research Problems, 1 student
Biol. 502, ST/Agents of Bioterrorism, 2 students
Biol. 699, Dissertation, 1 student
Fall: Biol. 551, Research Problems, 1 student
Biol. 699, Dissertation, 1 student

BERGTHORSSON, U.

Fall: Biol. 500, New Graduate Student Seminar, 22 students

BROWN, J.H.

Fall: Biol. 503, Biocomplexity Seminar: Topics in Interdisciplinary Biology and Biological Sciences (TIBBS), 13 students
Biol. 516, Basic Graduate Ecology, 14 students (co-taught with C.N. Dahm)

CHARNOV, E.L.

Spring: Biol. 502, ST/Evolutionary Ecology, 12 students

COLLINS, S.L.

Fall: Biol. 575, Plant Community Ecology, 8 students
Biol. 514, Ecosystem Studies, 12 students (co-taught with C.N. Dahm)
Spring: Biol. 505, Ecosystem Dynamics, 4 students (co-taught with R.B. Waide)

COOK, J.A.

Spring: Biol, 502, ST/Comparative Phylogeography [Refugia], 6 students

CUNNINGHAM, C.

Spring: *Biol. 556, Immunology, 4 students (co-taught with Luis Cadavid)
Fall: *Biol. 502, ST/Comparative Immunology, 1 student (plus 1 staff member)
*Biol. 551, Research Problems, 1 student

DAHM, C.N.

Fall: Biol. 502, ST/Freshwater Sciences IGERT Rio Grande Seminar, 6 students
Biol. 514, Ecosystem Studies, 12 students (co-taught with Scott Collins)
*Biol. 516, Basic Graduate Ecology, 14 students (co-taught with Jim Brown and Felisa Smith)
Spring: Biol. 495, Limnology, 4 students
Biol. 496L, Limnology Lab, 2 students
Biol. 502, ST/Freshwater Sciences Ethics Seminar, 4 students
Biol. 502, ST/Freshwater Sciences Integrative Graduate Education and Research Traineeship (IGERT) Seminar, 9 students

DUSZYNSKI, D.W.

Spring: Biol. 461L, Introduction to Tropical Biology, 15 students & 5 faculty

FRANKIS, R.C., JR.

Fall: Biol. 597, Regulation of Gene Expression, 1 student

HANSON, D.T.

Spring: *Biol. 502, ST/Environmental Biophysics, 8 students

HOFKIN, B.V.

Spring: Biol. 490, Biology of Infectious Organisms, 4 students (co-taught with E.S. Loker)

KODRIC-BROWN, A.

Fall: Biol. 521, Advanced Behavioral Ecology, 5 students
Biol. 551, Research Problems, 3 students
Biol. 502, Special Topics in Behavioral Ecology, 4 students
Spring: Biol. 517, Basic Graduate Evolution, 21 students

LOWREY, T.K.

Spring: *Biol. 517, Basic Graduate Evolution, 12 students
Summer: *Biol. 402/502, ST/Natural History of New Mexico Plants, 14 students

MARSHALL, D.L.

Fall: Biol. 502, ST/Plant Ecology, 3 students

MILLER, R.D.

Spring: Biol. 502, ST/Immunology Letters, 6 students
* Biol. 566, Immunogenetics, 10 students
Fall:
Biol. 502, ST/Immunology Letters, 3 students
Biol. 502, ST/Graduate Immunology (required discussion section for students enrolled in Biol. 556), 7 students
Biol. 556, Immunology, 7 students

MILNE, B.T.

Spring:
Biol. 502, ST/Sustainability in Action, 2 students
Biol. 503, Biological Complexity Seminar, 10 students
Fall: Biol. 551, Research Problems, 2 students
Biol. 599, Master's Thesis, 1 student
Biol. 699, Dissertation, 2 students

NATVIG, D.O.

Spring:	Biol. 502, ST/Wireless Data Acquisition (3 cr.), 1 student
	Biol. 517, Basic Graduate Evolution (4 cr.), 21 students
	Biol. 551, Research Problems, Christopher Kitchen (9 cr.)
Summer:	Biol. 699, Dissertation, Amy Ditto (3 cr.), Joslyn Garcia (3 cr.)
Fall:	Biol. 502, ST/Biology of Fungi (3 cr.), 5 students
	Biol. 551, Research Problems, Christopher Kitchen (12 cr.)
	Biol. 699, Dissertation, Andrea Porras (12 cr.)

NELSON, M.A.

Spring:	Biol. 425, Molecular Genetics, 18 students
	*Biol. 502, ST/PERL for Bioinformatics, 6 students
	Biol. 502, ST/Fungal Phylogenetics, 5 students
	Biol. 551, Research Problems, 1 student
	Biol. 699, Dissertation, 1 student
Fall:	Biol. 400, Senior Honors Thesis, 1 student
	Biol. 499, Undergraduate Problems, 3 students
	Biol. 699, Dissertation, 1 student

POCKMAN, W.T.

Spring:	Biol. 571, Plant physiological Ecology, 6 students

POE, S.

Fall:	Biol. 502, ST/Philosophy of Biology, 6 students

SINSABAUGH, R.L.

Spring:	Biol. 502, ST/Carbon Cycle (1 cr.), 3 students

SMITH, F.A.

Fall:	Biol. 503, Biological Complexity Seminar, 13 students (co-taught with J.H. Brown)
	*Biol. 516, Basic Graduate Ecology, 14 students (co-taught with J.H. Brown andC.N. Dahm)

SNELL, H.L.

Spring:	Biol. 502, ST/Field Herpetology, 2 students
	Biol. 699, Dissertation, 3 students
Fall:	Biol. 551, Research Problems, 1 student
	Biol. 699, Dissertation, 3 students

TAKACS-VESBACH, C.D.

Fall:	Biol. 546, Laboratory Methods in Molecular Biology, 4 students

TOOLSON, E.C.

Fall:	Biol. 502, ST/Ecology Seminar, 2 students

*Biol. 502, Introductory Mathematical Biology, 11 students (+ 4 unregistered, but attending)
Spring: Biol. 552, Biology of Toxins, 2 students

TURNER, T.F.

Fall: Biol. 502, ST/Molecular Ecology and Evolution (3 hr.), 15 students
Spring: Biol. 502, ST/Ecology and Evolution of Fishes (1 hr.), 4 students

WAIDE, R.B.

Spring: Biol. 505, Ecosystem Dynamics, 6 students

WERNER-WASHBURNE, M.

Fall: Biol. 544/502, Genomes and Genomic Analyses, 2 students

WOLF, B.O.

Fall: Biol. 503, Biological Complexity Seminar: Topics in Interdisciplinary Biology and Biological Sciences (TIBBS) (3 cr. hrs.), 29 students. (Team-taught with Jim Brown [Biology], Geoffrey West [Los Alamos National Laboratory], Terran Lane [Computer Science], and Ed Bedrick [Math/Statistics].

4. **Your service on graduate student committees, not as chair, *in semester oral exam was given.***

BROWN, J.H.

Andrew Edelman
Gabor Racz
Lisa Schwanz

COLLINS, S.L.

One.

Also note:

Two of my students took their oral exams.

I served on 14 graduate student committees last year, five as chair. Two students (not mine) defended dissertations.

CUNNINGHAM, C.

Fall: Zuly Parra, "Characterization of Conventional T Cell Receptors α, β, γ, δ and Discovery of a Novel T Cell Receptor (TCRμ) in Marsupials."

DAHM, C.N.

Laura Calabrese, Ph.D. Comprehensive Exam, Fall (Scott Collins , Advisor).

Melanie Edwards, Ph.D. Final Exam, Fall (Tom Turner, Advisor).

Matthew Lane, Masters of Water Resources (MWR) Final Exam, Spring (Mike Campana, Advisor).

Mary Harner, Ph.D. Final Exam, Spring (Manuel Molles, Advisor).

DLUSZYNSKI, D.W.

Anson Koehler, M.S., June (J.A. Cook, major professor).

HANSON, D.T.

Eunsoo Kim, Ph.D. defense, University of Wisconsin–Madison, Fall.

KODRIC-BROWN, A.

Spring: Kina Murphy, Architecture and Planning, UNM.

LITVAK, M.E.

Elizabeth Davis, Ph.D. Dissertation Defense, Section of Integrative Biology, University of Texas–Austin, Spring.

LOKER, E.S.

Zuly Parra, exam, December.

MARSHALL, D.L.

Spring: Angela England, Comprehensive Exam.

MILLER, R.D.

Maureen Peters (T.F. Turner), M.S. Thesis examination, May 1.

Ying Han (Chemistry, Dunaway-Mariano), Dissertation defense, May 26, "The Catalytic Mechanism of PEP Mutase a Ppyr Hydrolase."

NATVIG, D.O.

Phillip Baker, Ph.D. Final Exam, Summer.
Richard Plunkett, Ph.D. Final Exam, Summer.
Anthony Aragon, Ph.D. Final Exam, Fall.
Harriett Platero, Ph.D. Final Exam, Fall.

POCKMAN, W.T.

Nina Baum, Qualifying Exam, Fall.
Laura Calabrese, Qualifying Exam, Fall.
Matthew Luck, Ph.D. Defense, Fall.
Mary Harner, Ph.D. Defense, Summer.

SINSABAUGH, R.L.

Spring:	Mary Harner, Ph.D. defense
	Jennifer Follstad Shah, Ph.D. defense
Summer:	Michael Bobb, M.S. defense
Fall:	Kendra Mitchell, Ph.D. qualifying exam
	Andrea Porras, Ph.D. qualifying exam

SMITH, F.A.

Fall: Andrew Edelman (Ph.D. student, major advisor A. Kodric-Brown).

TAKACS-VESBACH, C.D.

Spring: Matthew Kirk

Also note:
Fall: Kendra Mitchell (chair of her committee)

THORNHILL, R.

Spring: Rachael Carson and Glenn Scheyd, Department of Psychology, UNM.

WERNER-WASHBURNE, M.

Harriet Platero, Ph.D., Fall.

Richard Plunkett, Alternate Reader, Summer.

WOLF, B.O.

J. Tomasz Giermakowski (Howard Snell, supervisor)

Danella Swenton (Astrid Kodric-Brown, supervisor)

Eric Schad (Steven Poe, supervisor)

Kevin E. McCluney (John Sabo, supervisor, Arizona State University)

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.).**

BARTON, L.L.

Armand Dichosa (Ph.D. candidate):
Received first place for oral research presentationat the Rio Grande Branch meeting of American Society for Microbiology, El Paso TX.

Received a $5,000 NASA research award.

Kristina J. Anderson:
Papers presented:
Anderson, K.A. 2006. Temporal patterns in rates of community change during succession. Ecological Society of America Annual Meeting, Memphis TN, August 6-11.

Posters presented:
Anderson, K.A. 2006. Temperature dependence of forest turnover rates. Gordon Research Conference: Metabolic Basis of Ecology, Lewiston ME, July 9-14.

Papers published:
Anderson, K.A., A.P. Allen, J.F. Gillooly and J.H. Brown. 2006. Temperature-dependence of biomass accumulation rates during secondary succession. *Ecology Letters* 9:673-682.

Grants received:
Grove Summer Scholarship, Department of Biology, UNM, $3,000.

Conferences and workshops attended:
Ecological Society of America Annual Meeting, Memphis, TN, August 6-11.

Gordon Research Conference: Metabolic Basis of Ecology, Lewiston ME, July 9-14.

Wenyun Zuo:
Posters presented:
GEO-SVM—Predict species potential distribution basic on Support Vector Machine (SVM). StartUp Tech Fair, New Mexico Museum of Natural History and Science, Albuquerque NM, November.

Papers published:
He, J.S., Z.H. Wang, X.P. Wang, B. Schmid, W.Y. Zuo, C.Y. Zheng, M. Zhou, M.F. Wang and J.F. Fang. 2006. A test of the generality of leaf trait relationships on the Tibetan Plateau. *New Phytologist* 170(4):835-848.

Han, M., C.J. Ji, W.Y. Zuo, J.S. He and J.Y. Fang. 2006. Interactive effects of elevated CO_2 and temperature on leaf anatomical characteristics in 11 North American plants. *Acta Ecologica Sinica* 26(2):326-333.

Awards:
2007 Student Enrichment Opportunity (SEO) award, Program for Interdisciplinary Biological and Biomedical Sciences (PIBBS), The University of New Mexico

Grants received:
2006 PIBBS Fellowship, The University of New Mexico

Alison G. Boyer:
Foreign travel/Conferences and workshops attended:
Macroecological Tools for Global Change Research Conference, Potsdam, Germany, August 21-23.

Posters presented:
Boyer, A.G., J.L.E. Cartron and J.H. Brown. 2006. Interspecific pairwise relationships among body length, clutch size, and latitude: anatomy of a macroecological paradox in birds. Macroecological Tools for Global Change Research Conference, Potsdam, Germany, August 21-23.

Papers published:
McClain, C.R., A.G. Boyer and G. Rosenberg. 2006. The island rule and the evolution of body size in the deep sea. *Journal of Biogeography* 33:1578-1584.

Awards:
Nominated for membership in Sigma Xi.

Grants received:
Research Project and Travel Grant, Office of Graduate Studies, UNM, $1,000.
SRAC Grant, Graduate and Professional Student Association, UNM, $500.
Graduate Research Allocation Committee, Department of Biology, UNM, $300.
Biocomplexity Fellowship, The University of New Mexico, Spring.

Melanie E. Moses:
Posters presented:
Moses, M.E. 2006. Estimating Growth Parameters from Theory and Data. Gordon Research Conference: Metabolic Basis of Ecology, Lewiston ME, July 9-14.

Papers published:
Savage, V., E. White, M. Moses, S. Ernest and B. Enquist. 2006. Technical comment on The Illusion of Life History Invariants. *Science* 312(5771):198.

Invited talks at conferences and workshops:
Moses, M.E. 2006. Scaling in Ant Foraging Networks. The Biologically Inspired Investigations Mini-Workshop of the Consortium of the Americas, Albuquerque NM, January.

Moses, M.E. 2006. Network Scaling in Organisms, Societies and Information Systems. Department of Computer Science, UNM, March.

Moses, M.E. 2006. Scaling in Social Networks. The Santa Fe Institute Business Network Meeting, Seattle WA, June.

Moses, M.E. 2006. A Tale of Two Societies: Network Efficiency in Ants and Humans. Department of Ecology and Evolutionary Biology, University of Arizona, Tucson AZ, October.

Moses, M.E. 2006. Metabolic Scaling Theory: Linking Levels of Biological Organization. National Research Council Workshop: Defining and Advancing the Conceptual Basis of Biological Science in the 21st Century, The National Academies, December.

CHARNOV, E.L.

Lisa Schwanz: NSF Bioinformatics Postdoc

COLLINS, S.L.

Sally Koerner: Started her dissertation research in South Africa.

Laura Calabrese:
Published a paper from her work in Florida.
Received SRAC and GRAC and other funds.

Selene Baez: Received SRAC and GRAC and other funds.

Chelsea Crenshaw: Will attend a meeting in South Africa (not my student, but related to Sevilleta Long Term Ecological Research [LTER]).

COOK, J.A.

A variety of smaller grants(<$2,500) from American Society of Mammalogists (student research awards., SRAC, etc.)

Natalie Dawson: American Society of Mammalogists–American Institute for Biological Sciences Fellowship, 3 months, Washington DC, Fall

Jason Malaney: presentation at regional Wildlife Society Meeting, Flagstaff AZ.

CRIPPS, R.M.

Kathryn Ryan: received a one-year postdoctoral fellowship from the American Heart Association.

DAHM, C.N.

David Van Horn:
To support his Ph.D. research, received (1) a $5,000 award from the N.M. Water Resources Research Institute and (2) a $2,500 award from T & E, Inc.

Eric Scherff:
Received a $2,500 award from T & E, Inc., to support his M.S. research.

HANSON, D.T.

Heath H. Powers (M.S. student):

Housman, D.C., H.H. Powers, A.D. Collins and J. Belnap. 2006. Carbon and nitrogen fixation differ between successional stages of biological soil crusts in the Colorado Plateau and Chihuahuan Deserts. *Journal of Arid Environments* 66(4):620-634.

Chris Bickford (Ph.D. student):

Poster: "The ecosystem breathing: Using tunable diode laser spectroscopy to measure CO_2 isotopic flux on the Pajarito Plateau." Los Alamos National Laboratory Student/Post-Doc Symposium, Los Alamos NM, August 2-3, 2006.

Passed comprehensive exam and advanced to Ph.D. candidacy, December 2006.

2006 Graduate Research Allocations Committee Grant, Department of Biology, UNM, $225 award given for research supplies.

2006 Student Research Allocations Committee Grant, Graduate and Professional Student Association, UNM, $252 award given for research supplies.

KODRIC-BROWN, A.

Gaines, K. 2006. Dragonflies of the Refuge. Bitter Lake National Wildlife Refuge Aquatic Resources Symposium, Bitter Lake National Wildlife Refuge, Roswell NM, December 6-7.

Schwanz, L.E. J.G. Bragg and E.L. Charnov. 2006. Maternal condition and facultative sex ratios in populations with overlapping generations. 11th Congress of the International Society for Behavioral Ecology, Tours, France, July 23-29.

Schwanz, L.E., J.G. Bragg and E.L. Charnov. 2006 Maternal condition and facultative sex ratios in populations with overlapping generations. *American Naturalist* 168 (electronic version).

Schwanz, L.E.2006. Schistosome infection in deer mice (*Peromyscus maniculatus*): Impacts on host physiology, behavior and energetics. *Journal of Experimental Biology* 209:5029-5030.

Schwanz, L.E. 2006. Annual cycle of activity, reproduction, and body mass in Mexican ground squirrels (*Spermophilus mexicanus*). *Journal of Mammalogy* 87:1086-1095.

Schwanz, L.E.: N.S.F. Infomatics Postdoctoral Fellowship, 2006–08.

Swenton, D. 2006. *Pecos gambusia*—Life history and breeding behavior. Bitter Lake National Wildlife Refuge Aquatic Resources Symposium, Bitter Lake National Wildlife Refuge, Roswell NM, December 6-7.

Swenton, D. 2006. Hybridization between *Pecos gambusia* and mosquito fish. Desert Fishes Council Meeting, Death Valley National Monument, CA, November 15-19.

Tech, C. 2006. Postzygotic incompatibilities between the pupfishes, *Cyprinodon elegans* and *Cyprinodon variegatus*: Hybrid male sterility and sex ratio bias. *Journal of Evolutionary Biology* 19:1830-1837.

LITVAK, M.E.

Thijs, A. 2006. Carbon dynamics of a central texas encroaching savanna. Central Texas Ecologists Meeting, Austin TX, November 18.

LOWREY, T.K.

Joanna Redfern (Ph.D.):
Forrest Shreve FieldResearch Award, Ecological Society of America

New Mexico Native Plant Society Grant, January.

Research Project and Travel Grant, Office of Graduate Studies, UNM, February.

Redfern, J. and B. Pendleton. 2006. Developing Long-term Study Plots for Creosotebush and Ocotillo at the Sevilleta. Sevilleta Long Term Ecological Research (LTER) Research Day, March 1.

Alvin R. and Caroline G. Grove Summer Scholarship, Department of Biology, UNM,April.

MARSHALL, D.L.

Jerusha Reynolds:
Received the "2006 UNM College of Liberal Arts and Sciences Gunter Starkey Award for Teaching Excellence,"

Heather Simpson:
Talks:
Simpson, H. 2006. Patterns of genotypic and phenotypic variation in an invasive mustard, *Isatis tinctoria*, across its introduced range. The 2nd Annual Meeting of the Guild of Rocky Mountain Ecologists and Evolutionary Biologist, Mountain Research Station, University of Colorado, Nederland CO, September 15-17.

Posters:
Simpson, H., and D. Marshall. 2006. Patterns of genotypic and phenotypic variation in an invasive mustard, Isatis tinctoria, across its introduced range. The 91st Annual Meeting of the Ecological Society of America, Memphis, Tennessee, August 6-11.

Funding:
"Genetic Variability, Life History and Mating System Structure of an Invasive Plant"; USDA CREES: NRI Biology of Weedy and Invasive Plants; $76,555, September 1, 2005–August 31, 2007.

Nathan J. Abrahamson:
Presentations and Posters:
Abrahamson, N.J. and D. Marshall. 2006. Seismonastic movement of Mimosa pudica: Could it be an anti-herbivore defense? Annual Meeting of the Guild of Rocky Mountain Ecology and Evolution Biologists, Mountain Research Station, University of Colorado, Nederland CO, September 15-17.

Simpson, H.L., N.J. Abrahamson, J.J. Avritt, M.G. Barnes, J. Medeiros, D.M. Oliveras, J. Reynolds, S. Walsh and D. Marshall. 2006. Gigolos and cradle robbers: Age and mating in wild radish. 15th Annual Research Day, Department of Biology, UNM, April 7.

Funding:
2006 Student Research Allocations Committee, GPSA, UNM, $400, February.

2006 Graduate Research Allocations Committee, Department of Biology, UNM, $250, February.

2006 Research Project Travel Grant, GPSA, UNM, $928, Summer.

Melanie Barnes:
Talks:
Barnes, M.G. 2006. The genetics of restoration: A reciprocal transplant experiment with winterfat. Annual Meeting of the Guild of Rocky Mountain Ecology and Evolution Biologists, Mountain Research Station, University of Colorado, Nederland CO, September 15-17.

Posters:
Simpson, H.L., N.J. Abrahamson, J.J. Avritt, M.G. Barnes, J.S. Medeiros, D.M. Oliveras, J. Reynolds, S. Walsh, and D.L. Marshall. 2006. Gigolos and cradle robbers: Age and mating in wild radish. 15th Annual Research Day, Department of Biology, UNM, April 7.

Barnes, M.G. and D.L. Marshall. 2006. The genetics of restoration: A reciprocal transplant experiment with winterfat (*Krascheninnikovia lanata*). Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

Funding:
2006 Graduate Research and Development Fund, GPSA, UNM, $5,000, November 2006–May 2007.

2006 Grove Doctoral & Springfield Fellowships Recipient, Department of Biology, UNM, $3,000 summer living stipend, June–July.

2006 Student Research Allocations Committee, GPSA, UNM, $500, June–August.

2006 Graduate Research Allocations Committee, Department of Biology, UNM, $200, September 2005–August 2006.

2006 Plant Population Ecology Section Student Travel Award, Ecological Society of America, $200, August.

MILLER, R.D.

Zuly E. Parra: received a travel award from the FASEB MARC Program to attend and present a paper at the AAI Immunology 2006 Meeting, Boston MA, May 12-16.

Sandra D. Melman: received a travel award from the FASEB MARC Program to attend and present a paper at the AAI Immunology 2006 Meeting, Boston MA, May 12-16.

MILNE, B.T.

Horacio Samaniego: Grove Doctoral Scholarship, 2005–2006

Matthew Luck: Elected student representative to the International Association for Landscape Ecology.

NATVIG, D.O.

Andrea Porras: Successful completion of Doctoral Comprehensive Exam, Fall.

NELSON, M.A.

Harriett Platero: received an award from the NM Alliance for Graduate Education and the Professoriate and the Initiatives for Maximizing Student Diversity.

POCKMAN, W.T.

Jessica Snider: Fellow of NSF GK–12 Program

Juliana Medeiros:
Fellow of NSF GK–12 Program

Field research in Mexico with funding from UNM's Latin American and Iberian Institute, GRAC and SRAC

Jennifer Plaut: National Science Foundation Pre-doctoral Fellowship, 2006–08

SINSABAUGH, R.L.

Marcy Gallo: Congressional Fellowship from Soil Science Society of America (SSSA) and American Association for the Advancement of Science (AAAS).

SMITH, F.A.

Crawford, D.:
Crawford, D. and A. Chavez. 2006. Evaluation of the genetic distinctiveness of the Mexican vole, *Microtus mexicanus*. Annual Meeting of the American Society of Mammalogists, Amherst MA, June 17-22.

Crawford, D. In press. Book review, *Prairie Ghost: Pronghorn and Human Interaction in Early America,"* eds. R.E. McCabe, B. W. O'Hara and H. M. Reeves, University Press of Colorado, 175 pp.

Crawford, D. and R. Guralnick. In review. Evaluation of character displacement in shrews using geometric morphometrics and GIS.

Murray, I.W.:
2006. UNM Student Research Allocation Award, $400.
2006. UNM Graduate Research Allocation Award, $100.

SNELL, H.L.

Heather Bateman:
Publications:
Bateman, H.L. and M.A. O'Connell. 2006. Effects of prescribed burns on wintering cavity-nesting birds. *Northwest Science* 80(4):283-291.

Chung-MacCoubrey, A.L. and H.L. Bateman. 2006. Chapter 4: Bosque restoration effects on bats and herpetofauna. In *Effects of Fuel Reduction and Exotic Plant Removal on Vertebrates, Vegetation and Water Resources in the Middle Rio Grande, New Mexico Annual Report 2005.* U.S.F.S. Rocky Mountain Research Station, Albuquerque NM.

Submitted:
Finch, D.M., A. Chung-MacCoubrey, H. Bateman and D. Hawksworth. (Submitted) Effects of non-native plant removal and fuels reduction on vertebrates along the Middle Rio Grande, New Mexico. *Journal of Restoration Ecology.*

Talks/Posters:
Bateman, H.L, D.M. Finch, A. Chung-MacCoubrey and D. Hawksworth. 2006. Effects of non-native plant removal and fuels reduction on vertebrates along the Middle Rio Grande, New Mexico. Tamarisk Research Conference: Current Status & Future, Fort Collins CO, October 3-4.

Bateman, H.L, A. Chung-MacCoubrey and H.L. Snell. 2006. Lizard abundance in restored bosque: Evaluating impacts of non-native plant removal. Department of Biology, The University of New Mexico, 15th Annual Research Day, April 7.

Bateman, H.L, A. Chung-MacCoubrey and H.L. Snell. 2006. Herpetofauna of the Middle Rio Grande bosque: Characterizing communities and species' habitat associations. 39th Annual Joint AZ/NM Meeting of The Wildlife Society and American Fisheries Society, Flagstaff, AZ, February 2-4.

Grants Awarded:
Grove Dissertation Scholarship, Department of Biology, UNM
New Mexico Scholars Tuition Award, UNM
Dean's Dissertation Scholarship, Honorable Mention, UNM
Graduate Research and Development High Priority Grant, UNM
Graduate Student Scholarship, the Tamarisk Coalition

Grants Pending:
Bosque Initiate Group Grant, New Mexico State Legislature

Awards:

Best Student Wildlife Presentation at the 39th Annual Joint AZ/NM Meeting of The Wildlife Society and American Fisheries Society, Flagstaff, AZ, February, 2-4.

Honorable Mention, Graduate Student Poster Presentation, 15th Annual Research Day, Department of Biology, UNM, April 7.

Tomas Giermakowski:
Publications:
Suzan, G., J.T. Giermakowski, E. Marce, H. Suzan-Azpiri, B. Armien and T.L. Yates. 2006. Modeling Hantavirus reservoir species dominance in high seroprevalence areas on the Azuero Peninsula of Panama. *American Journal of Tropical Medicine and Hygiene* 74:1103-1110.

Talks/Posters:
Giermakowski, J.T., N.E. Rios and C.A. Wolfe. 2006. An online survey of American ichthyological and herpetological collections. 2006 Joint Meeting of Ichthyologists and Herpetologists, New Orleans LA, July 12-17.

Meetings Attended:
Annual Meeting of the Society for the Preservation of Natural History Collections, Albuquerque NM, May.

2006 Joint Meeting of Ichthyologists and Herpetologists, New Orleans LA, July 12-17.

Service:
Member, the Collections Committee of the American Society of Ichthyologists and Herpetologists.

Member, the Local Hosting Committee, the Annual Meeting of the Society for the Preservation of Natural History Collections

Awards:
Special Services Award, the Society for the Preservation of Natural History Collections

R. Brand Phillips:

Manuscripts Submitted:
Phillips, R.B., W.S. Winchell and R.H. Schmidt. 2007. Dietary overlap of an alien and native carnivore on San Clemente Island, California. *Journal of Mammalogy* 88(1):173-180.

Teaching:

Spring:	Biol. 248L, Human Anatomy & Physiology Lab II, 3 sections, 90 students
Fall:	Biol. 247L, Human Anatomy & Physiology Lab I, 3 sections, 90 students

TURNER, T.F.

Thomas L. Kennedy:
M.S., University of Virginia, expected completion Spring 2009. IGERT Fellowship, Research Assistant/Teaching Assistant

Classes Completed: IGERT core classes.

Grants and Fellowships: EPA STAR Fellowship submitted in November 2006 for 3-years of support.

Manuscripts Submitted for Publication:
Kennedy T.L., D.S. Gutzler, and R.L. Leung. Predicting future threats to the long-term survival of Gila Trout using a high-resolution simulation of climate change. *Global Climate Change*.

Kennedy T.L., L.A. Horth and D.E. Carr. The effects of nitrate loading on *Hydrilla* and freshwater snails in low-nutrient freshwater communities. *Biological Invasions*.

Kennedy T.L., L.A. Horth and D.E. Carr. The invasive plant *Hydrilla verticillata* and the feeding preference of Florida apple snails. *Freshwater Biology*.

Trevor J.Krabbenhoft:
M.S., University of South Carolina, expected completion Fall 2010. Currently, Graduate Curatorial Assistant, Museum of Southwestern Biology, UNM.

Published Manuscript:
Krabbenhoft, T.J., F.C. Rohde and J.M. Quattro. 2006. Threatened fishes of the world:*Etheostoma perlongum* (Hubbs and Raney 1946) Percidae." *Environmental Biology of Fishes* 76:411-412.

Other Activities:
Wrote and defended M.S. thesis, "Parallel and Convergent Evolution of Endemic Fishes Within and Between Two Carolina Bay Lakes."

Received M.S. Degree in Biology from University of South Carolina.

Applied and was accepted to the Ph.D. program in Biology at the University of New Mexico.

Prepared camera lucida illustrations of a developmental series of *Pseudorhombus dupliciocellatus* for a manuscript resulting from participation in the 2004 NSF East Asia and Pacific Summer Institute to Australia.

Established small (~350 lots) ichthyology teaching collection of South Carolina fishes.

Collaborative research (geometric morphometrics) at Iowa State University (seven days).

Participated in NSF-sponsored "Iowa State University Geometric Morphometrics Workshop."

Ad hoc reviewer for two *Copeia* manuscripts.

Received Gerald and Antonia Wilson Biological Sciences Graduate Student Award.

Received Elsie Tabor Fellowship, University of South Carolina.

Formed and led weekly Phylogenetics Discussion Group (Spring and Fall semesters).

Teaching Assistant, Biol. 536, Ichthyology (Spring semester).

Teaching Assistant, Biol. 102, Introductory Biology II (Fall semester).

Prepared and delivered two guest lectures for Biol. 536, Ichthyology.

Maureen B. Peters:
M.S., Department of Biology, The University of New Mexico, July.

Contributed Abstracts:
Peters, M.B. 2006. Genetic variation in the endangered Gila trout. American Society of Ichthyologists and Herpetologists, New Orleans LA, July.

Peters, M.B. 2006. Genetic variation in the endangered Gila trout. 15th Annual Research Day, Department of Biology, The University of New Mexico, April 7.

Other Activities:
Interviewed and obtained a position as a research associate at the Savannah River Ecology Laboratory.

Wade D. Wilson:
Ph.D., Department of Biology, The University of New Mexico, expected completion Fall 2007.

Departmental Committees:
Representative, Biology Department, UNM, Graduate Policy Committee (2006–07).

Grants, Scholarships and Fellowships:
UNM Regents' Graduate Fellowship, $2,000.
NSF, Doctoral Dissertation Improvement Grant (DDIG), $11,958.
UNM Graduate and Professional Student Association, Graduate Research & Development (GRD) grant, $5,000.

Professional Societies:
Sigma Xi, nominated for full membership
American Association for the Advancement of Science

WAIDE, R.B.

Brittany Barker:
Student Research Allocations Committee (SRAC) grant, UNM, $400, 2006

Graduate Research Fellowship Honorable Mention, National Science Foundation (NSF), 2006

WERNER-WASHBURNE, M.

Anthony Aragon: Ph.D. with distinction, Fall

Sushmita Roy: awarded PIBBS fellowship, presented work at RECOMB in Venice and several other meetings.

WOLF, B.O.

Casey Gilman:
Gilman, C. and B.O. Wolf. 2006. Lizards, eggs, and ultrasound: testing the efficacy of quantifying reproductive effort in squamate reptiles using portable ultrasonography. Annual Meeting of the Society for Integrative and Comparative Biology, Orlando FL, January 4-8.

Mathiasen, C. C., C. A. Gilman and B.O. Wolf. 2006. Portable ultrasonography—Developing a non-invasive technique to quantify reproductive effort in small mammals. Annual Meeting of the Society for Integrative and Comparative Biology, Orlando FL, January 4-8.

Best Undergraduate Student Oral Presentation, 2006 Research Day, Department of Biology, UNM, April 7.

Gilman, C. and B.O. Wolf. 2006. Lizards, eggs, and ultrasound: testing the efficacy of quantifying reproductive effort in squamate reptiles using portable ultrasonography. 2006 Research Day, Department of Biology, UNM, April 7.

Gilman, C. and B.O. Wolf. 2006. Lizards, eggs, and ultrasound: testing the efficacy of quantifying reproductive effort in squamate reptiles using portable ultrasonography. Joint Meeting of Ichthyologists and Herpetologists, New Orleans LA, July 12-17.

Hillary Lease:
Lease, H.M. 2006. The scaling of exoskeleton and lipid reserves in arthropods. "The Metabolic Scaling of Ecology,"Gordon Research Conference, Lewiston ME, July.

Lease, H.M., and B.O. Wolf. 2006. Interspecific exoskeletal and energy reserve allometry of arthropods. "Comparative Physiology 2006: Integrating Diversity," American Physiological Society Conference, Virginia Beach VA, October.

Teri J. Orr:
Second Place Best Graduate Student Oral Presentation, 2006 Research Day, Department of Biology, UNM, April 7.

Orr, T.J. and B.O. Wolf. 2006. Rodents and cacti—A stable isotope investigation of a key plant functional group and its rodent consumers. 2006 Research Day, Department of Biology, UNM, April 7.

Orr, T.J. and B.O. Wolf. 2006. Seasonal variation of carbon and nitrogen isotopes in a Sonoran desert rodent community. Annual Meeting of the American Society of Mammalogists, Amherst MA, June 17-21.

Orr, T.J. and B.O. Wolf. 2006. Rodents and cacti—A stable isotope investigation of a key plant functional group and its rodent consumers. 91st Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

Dimas, M.V., T.J. Orr, B.O. Wolf and W.L. Gannon. 2006. Is nitrogen enriched between parasites and host? *Neotoma albigula* and bot flies (*Cuerebra* sp.): An empirical test of nitrogen enrichment in food webs. 91st Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

Robin Warne:
Warne, R., D. Lightfoot and B.O. Wolf. 2006. Lizard life history strategies and population dynamics under a regime of pulsed resources. Annual Meeting of the Society for Integrative and Comparative Biology, Orlando FL, January 4-8.

Pershall, A.D., R. Warne, C. Mathiasen and B.O. Wolf. 2006. Quantifying the importance of seasonal resource pulses to a small mammal community and influence of these pulses on consumer population dynamics through stable isotope analysis. Sevilleta Long Term Ecological Research (LTER) Research Symposium, Socorro NM, March 9.

Warne, R., A.D. Pershall and B.O. Wolf. 2006. Coupling consumer dynamics to abiotic drivers and ecosystem productivity: Lizard communities at the Sevilleta NWR. Sevilleta Long Term Ecological Research (LTER) Research Symposium, Socorro NM, March 9.

Best graduate Student Poster, 2006 Research Day, Department of Biology, UNM, April 7.

Warne, R., Pershall, A. D., and B.O. Wolf. Coupling consumer dynamics to abiotic drivers and ecosystem productivity: Lizard communities at the Sevilleta NWR. UNM Biology Research Day, April 7, 2006.

Warne, R., A. Pershall and B. O. Wolf. 2006. Quantifying the resource dynamics of a Sevilleta LTER lizard community: Coupling abiotic drivers and ecosystem productivity. LTER All Scientist Meeting, Estes CO, September 20-24.

B. Undergraduate Education. *Bona fide* undergraduate courses taught each semester and number of students enrolled. Indicate new course (for you) with an asterisk.

ALTENBACH, J.S.

Fall:	Biol. 201, Molecular and Cell Biology, 2 sections, 250 students
Spring:	*Biol. 204, Plant and Animal Form and Function, 2 sections, 90 students

BARTON, L.L.

Spring:	Biol. 402, ST/Agents of Bioterrorism, 20 students
	Biol. 460, Microbial Physiology, 47 students
	Biol. 499, Undergraduate Problems, 1 student
Fall:	Biol. 402, ST/Bacterial Interactions, 7 students
	Biol. 351, General Microbiology, 76 students
	Biol. 499, Research Problems, 2 students

CHARNOV, E.L.

Fall:	Biol. 465, Sociobiology & Evolutionary Ecology, 15 students

COLLINS, S.L.

Fall:	Biol. 475, Plant Community Ecology, 5 students
Spring:	* Biol. 203, Ecology and Evolution, 96 students (co-taught with J.A. Cook) Biol. 405, Ecosystem Dynamics, 8 students (co-taught with R.B. Waide)

COOK, J.A.

Spring:	Biol. 203L, Ecology and Evolution, two sections, 96 students (co-taught with S.L. Collins; ½ of semester)
Fall:	Biol. 402, ST/Advanced Field Methods in Tropical Mammalogy, 4 students Biol. 489, Mammalogy, 6 students

COUCH, L.

Spring:	Biol. 239L, Microbiology for Health Sciences, 200–250 students Biol. 482L, Parasitology, 6 students Biol. 461, Introduction to Tropical Biology, 20 students (co-taught with Donald W. Duszynski)
Fall:	Biol. 239L, Microbiology for Health Sciences, 200–250 students

COUNCIL-GARCIA, C.L.

Faculty member in charge of these labs and instruct the lab T.A.s:

Biol. 112, Biology Laboratory for Non-majors, 144 students/semester
Biol. 124L, Biology for Health Related Science and Non-majors Laboratory, 360–400 students/semester, 72 students/summer semester
Biol. 201, Molecular and Cell Biology, 360–380 students/semester, 96 students/summer
Biol. 202, Genetics, 220–260 students/semester
Biol. 203L, Ecology and Evolution, 150 students/semester
Biol. 204L, Plant and Animal Form and Function, 115 students/semester

CRIPPS, R.M.

Fall:	Biol. 202, Genetics, 100 students

CUNNINGHAM, C.

Spring:	* Biol. 456, Immunology, 85 students (co-taught with Luis Cadavid) * Biol. 201, Molecular and Cell Biology, two sections, 310 students (co-taught with B.V. Hofkin)

DAHM, C.N.

Spring:	Biol. 495, Limnology, 14 students Biol. 496L, Limnology Lab, 8 students

FRANKIS, R.C., JR.

Spring:	Biol. 110, Biology for Non-majors, two sections, 210 students
Summer:	Biol. 123, Biology for Health Related Sciences and Non-majors, 60 students
Fall:	Biol. 110, Biology for Non-majors, 120 students
	Biol. 497, Regulation of Gene Expression, 16 students

FRIDRICK, C.O.

Spring:	Biol. 123, Biology for Health Related Sciences and Non-majors, two sections, 235 students
Fall:	Biol. 123, Biology for Health Related Sciences and Non-majors, four sections, 249 students

HANSON, D.T.

Fall:	*Biol. 204, Plant and Animal Form and Function, 87 students
Spring:	*Biol. 402, ST/Environmental Biophysics, 1 student
	Biol. 478L, Plant Physiology, 10 students

HOFKIN, B.V.

Spring:	Biol. 490, Biology of Infectious Organisms, 75 students
	Biol. 482L, Parasitology Lab, 6 students
Summer:	Biol. 201, Molecular and Cell Biology, 74 students
Fall:	Biol. 371L, Invertebrate Biology, 12 students
	Biol. 201, Molecular and Cell Biology, two sections 313 students (co-taught with C. Cunningham)

HOWE, K.A.

Spring:	Biol. 123, Biology for Health Related Sciences and Non-majors, 130 students
	Biol. 202, Genetics, two sections, 186 students
Fall:	Biol. 123, Biology for Health Related Sciences and Non-majors, 123 students
	Biol. 202, Genetics, 115 students
	*Biol. 429, Molecular Cell Biology I, 35 students

KODRIC-BROWN, A.

Spring:	Biol. 455, Ethology: Animal Behavior, 41 students

LOKER, E.S.

Spring:	Biol. 490, Biology of Infectious Organisms, ~90 students (co-taught with B.V. Hofkin)
Fall:	Biol. 499, Undergraduate Problems, Joseph Bergsten (trachoma in West Africa)

LOWREY, T.K.

Fall:	Biol. 363, Flora of New Mexico, 14 students

MARSHALL, D.L.

Spring:	*Biol. 204, Plant and Animal Form and Function, 91 students

Fall:	Biol. 360L, General Botany, 18 students

MILLER, R.D.

Spring:	* Biol. 466, Immunogenetics, 1 student
Fall:	Biol. 456, Immunology, 85 students

MILNE, B.T.

Spring:	Biol. 402, ST/Sustainability in Action, 13 students
Fall:	Biol. 310, Principles of Ecology, 13 students

NATVIG, D.O.

Fall:	Biol. 402, ST/Biology of Fungi (3 cr.), 4 students

NELSON, M.A.

Spring:	Biol. 400, Senior Honors Thesis, 1 student Biol. 425, Molecular Genetics, 18 students *Biol. 402, ST/PERL for Bioinformatics, 1 student Biol. 402, ST/Fungal Phylogenetics, 16 students Biol. 499, Undergraduate Problems, 3 students

POCKMAN, W.T.

Spring:	Biol. 471, Plant Physiological Ecology, 3 students

POE, S.

Fall:	Biol. 386L, General Vertebrate Zoology, 35 students (co-taught with H. Snell) *Biol. 488L, Herpetology, 12 students (co-taught with H. Snell)

SHANER, M.G.M.

Summer:	Biol. 239L, Microbiology for Health Related Sciences and Non-majors, 35 students
Fall:	Biol. 110, Biology for Non-majors, 118 students Biol. 123, biology for Health Related Sciences and Non-majors, 75 students

SINSABAUGH, R.L.

Spring:	Biol. 499, Undergraduate Research, 4 students (Christine Cooper [1 cr.], Purnima Dwivedi [1 cr.], Grace Esquibel [2 cr.], Claudia Quan [1 cr.] Biol. 400, Honor's Thesis, Kylea Odenbach (3 cr.)
Fall:	Biol. 203, Ecology and Evolution, 2 sections, 134 students (co-taught with R. Thornhill) Biol. 499, Undergraduate Research, Jonathon Guttierez (2 cr.)

SMITH, F.A.

Spring:	Biol. 494, Biogeography, 46 students
Fall:	Biol. 499, Undergraduate Research, 1 student

SNELL, H.L.

Spring:	Biol. 379, Conservation Biology, 34 students
	Biol. 402, ST/Field Herpetology, 10 students
Fall:	Biol. 386, General Vertebrate Zoology, 37 students
	Biol. 488, Herpetology, 12 students

STRICKER, S.A.

Spring:	Biol. 412, Developmental Biology, 30 students
Fall:	Biol. 416, Histology, 40 students

SWAN, J.

Spring:	Biol. 237, Human Anatomy and Physiology I for Health Related Sciences, 250 students
	Biol. 238, Human Anatomy and Physiology II for Health Related Sciences, Section 001, 200 students
	Biol. 238, Human Anatomy and Physiology II for Health Related Sciences, Section 130, 75 students
	Biol. 447, Prosection, 10 students
Summer:	Biol. 237, Human Anatomy and Physiology I for Health Related Sciences, 75 students
	Biol. 238, Human Anatomy and Physiology II for Health Related Sciences, Section 001, 75 students
	Biol. 238, Human Anatomy and Physiology II for Health Related Sciences, Section 130, 50 students
Fall:	Biol. 237, Human Anatomy and Physiology I for Health Related Sciences, Section 003, 150 students
	Biol. 237 Human Anatomy and Physiology I for Health Related Sciences, Section 004, 150 students.
	Biol. 238, Human Anatomy and Physiology II for Health Related Sciences, Section 003, 125 students
	Biol. 238 Human Anatomy and Physiology II for Health Related Sciences, Section 004, 125 students
	Biol. 447, Prosection, 10 Students

TAKACS-VESBACH, C.D.

Spring:	*Biol. 351, General Microbiology, 70 students
Fall:	Biol. 446, Laboratory Methods in Molecular Biology, 14 students

THORNHILL, R.

Spring:	Sabbatical Leave
Fall:	Biol. 203L, Ecology and Evolution, 140 students

TOOLSON, E.C.

Fall:	Biol. 402, ST/Ecology Seminar, 10 students
	Biol. 435, Animal Physiology, 25 students
	FLC† 613, Principles of Toxicology, 23 students

†Freshman Learning Communities

Spring: Biol. 402, ST/Ecology Seminar, 12 students
*Biol. 402, Introductory Mathematical Biology, 8 students
Biol. 445, Biology of Toxins, 47 students

TURNER, T.F.

Spring: Biol. 402, ST/Ecology and Evolution of Fishes (1 hr.), 3 students
Biol. 487L, Ichthyology (3 hr.), 13 students.

WAIDE, R.B.

Spring: Biol. 405, Ecosystem Dynamics, 10 students

WERNER-WASHBURNE, M.

Spring: bought out of teaching primary class; was responsible for Biol. 402, ST/Biomed Sciences with 19 students.

Fall: * Biol. 444, Genomes and Genomic Analyses, 14 students
(This was a complete modification of the course I taught previously; this was literature-based, not computational.)
Biol. 402, ST/Biomedical Research, 24 students (Initiatives to Maximize Student Diversity [IMSD] Journal Club)

C. Teaching Awards.

POCKMAN, W.T.

Gunter–Starkey Teaching Award, College of Arts and sciences, UNM, May.

TOOLSON, E.C.

Designated a University College Teaching Fellow for excellence in teaching in the Freshman Learning Communities program.

D. Curriculum Development/Production of Teaching Materials.

COOK, J.A.

MS PowerPoint® Lectures for Biol. 203, Ecology and Evolution

COUCH, L.

Coordinator of Microbiology Facility and Labs

COUNCIL-GARCIA, C.L.

Continuous curriculum development for the labs of Biol. 112, 124L, 201, 202, 203L, 204L). Wrote the Biol. 201–202 lab manual (see II.A. below).

DAHM, C.N.

Produced a series of nine lecture and three discussion thematic areas for use in Biol. 516, Basic Graduate Ecology, which I co-taught in Fall 2006.

HANSON, D.T.

Assisted with Biol. 204L, Plant and Animal Form and Function, development.

HOFKIN, B.V.

Continued work on a microbiology textbook, appropriate for Biol. 239L (Microbiology for Health Related Sciences and Non-majors)-level students. Second draft is now complete and is being peer reviewed.

HOWE, K.A.

Use of web-based course supplementation via a course website that I created and maintain.

LOWREY, T.K.

Syllabus and course materials (MS PowerPoint® lectures) for Biol. 402/502, ST/Natural History of New Mexico Plants.

Field course for K–12 teachers, Sevilleta Field Station, Socorro NM, June.

MARSHALL, D.L.

Developed new lectures, MS PowerPoint® presentations and review questions for Biol. 204, Plant and Animal Form and Function.

Reorganized and added new material to Biol 360L, General Botany, to accommodate changes to the Department of Biology core curriculum.

MILNE, B.T.

First implementation of new Biol. 310 (Principles of Ecology) Laboratory Guide (John DeLong, first author).

Submitted to the Registrar (November 2006) a 36-page Curriculum Proposal in support of Forms B and C for a new undergraduate minor degree in Sustainability Studies, including four new courses and creation of the program for the catalogue:

- SUST 134, Introduction to Sustainability
- SUST 334, Sustainability Practicum
- SUST 434, Sustainability Synthesis
- SUST 499, Sustainability Independent Capstone Project

SINSABAUGH, R.L.

Fall: Developed lecture material for Biol. 203, Ecology and Evolution.

SMITH, F.A.

With J.H. Brown, developed two courses for our PIBBS (Program in Interdisciplinary Biological and Biomedical Science) Program that are currently being formalized (e.g., Forms A and B are being circulated); these courses are designed to be cross-listed in the UNM Departments of Anthropology, Biology, Computer Science, Mathematics and Statistics, and Physics and Astronomy.

STRICKER, S.A.

New course taught at the University of Washington, "Research Apprenticeship in the Biology of eGG Maturation and Fertilization," Summer.

SWAN, J.

Development of Hybrid course content for Biol. 237 and 238, Human Anatomy and Physiology I & II for Health Related Sciences.

TOOLSON, E.C.

Curriculum development for the Introductory Mathematical Biology course, including numerous Matlab programs used as teaching aids. Also wrote the entire lab manual.

WERNER-WASHBURNE, M.

I identified a problem my upper-division students were having with analytical thought and imagining biological systems. After researching this, I determined that it was a national problem, and have been working to identify people around the country who are best suited to address this issue: developing or identifying appropriate testing methods and interventions.

E. **Museum Curator, Advisor, Assistant Chair, EM Director, etc.**

CHARNOV, E.L.

Graduate Student Advisor

COLLINS, S.L.

Director of Sevilleta Long Term Ecological Research (LTER) Program

COOK, J.A.

Curator, Division of Mammals, Museum of Southwestern Biology, UNM

Associate Curator, Division of Genomic Resources, Museum of Southwestern Biology, UNM

COUNCIL-GARCIA, C.L.

Undergraduate Advisor

CRIPPS, R.M.

Department Associate Chair

Director, Molecular Biology Facility, Department of Biology, UNM

DUSZYNSKI, D.W.

Director, Museum of Southwestern Biology, UNM

FRANKIS, R.C., JR.

Undergraduate Advisor

HANSON, D.T.

Associate Herbarium Curator (Curator of Bryophytes), Museum of Southwestern Biology, UNM, March 2003–present.

HOFKIN, B.V.

Pre-veterinary Adviser

LOKER, E.S.

Chair, Department of Biology

Director, National Institutes of Health (NIH) Centers of Biomedical Research Excellence Center for Evolutionary and Theoretical Immunology (COBRE CETI).

LOWREY, T.K.

Curator, UNM Herbarium, Museum of Southwestern Biology (MSB), UNM

Education Coordinator, Sevilleta LTER Field Station

MARSHALL, D.L.

Undergraduate Advisor

Coordinator, Core Curriculum Implementation

Coordinator, Program Review Process

Chair, Noyce Scholarship Program

MILLER, R.D.

Co-Director, Center for Evolutionary and Theoretical Immunology (CETI)

MILNE, B.T.

Director, Sustainability Studies Program, UNM

NATVIG, D.O.

Director, UNM Long Term Ecological Research (LTER) Sevilleta Research Station, Socorro, NM.

NELSON, M.A.

Director, Minority Access to Research Careers (MARC) Program

POE, S.

Associate Curator, Division of Herpetology, Museum of Southwestern Biology, UNM

SINSABAUGH, R.L.

Spring & Summer: Undergraduate Advisor

SNELL, H.L.

Curator, Division of Herpetology, Museum of Southwestern Biology, UNM

Conservation Biology Concentration Advisor

STRICKER, S.A.

Associate Vice Chair, Department of Biology, UNM
Director of EM and Confocal Microscopy Facilities

SWAN, J.

Coordinated the Anatomy and Physiology labs and Prosection.

THORNHILL, R.

Graduate Student Advisor

TURNER, T.F.

Curator, Division of Fishes, Museum of Southwestern Biology (see MSB Division of Fishes 2006 Annual Report for details of activities)

WAIDE, R.B.

Director, Center for Research in Ecological Science and Technology (CREST), UNM

Executive Director, Long Term Ecological Research Network Office (see Addendum for details)

WERNER-WASHBURNE, M.

P.I. and director, Initiatives to Maximize Student Diversity (IMSD) program, 22 undergraduates, five graduate students, five staff; journal clubs each semester and hosting visiting faculty from around the country, including the Model Organism Database group (Spring), Deborah Nickerson for Biology's 2006 Research Day, and John Phillips and others (Fall).

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.**

BARTON, L.L.

John Antonio, Biology undergraduate and an applicant to dental school
Justin Balderrama, Biology undergraduate and an applicant to dental school
Robert Baskerville, Biology undergraduate and an applicant to a bio-law program
Kenneth Burns, Biology undergraduate and an applicant to medical school
Elisa Cardenas, MBRS Program and an applicant to graduate school
Juan Carlos Philipides, an applicant to graduate school
Ahmed El-Emawy, an applicant to medical school
Kelly Halle, Biology undergraduate and an applicant to dental school
Angela Pangan, Biology undergraduate and an applicant to medical school
Crystal Tonnessen, Biology undergraduate and an applicant to graduate school
Eric Wallace, Biology undergraduate
Kelly Wells, Biology undergraduate and an applicant to dental school
Nicole Woodwards, IMSD Program, 2005–06
Stephen Zipper, Biology undergraduate and an applicant to graduate school

BERGTHORSSON, U.

James Farslow, Honors Thesis, Spring
Elisa LaBeau, February–December
Madina Nourestani, February–December

COLLINS, S.L.

Tierney Adamson, Fall
Ashwana Fricka (Rensselaer Polytechnic Institute, Troy, NY), REU, Summer
Andrew Rominger (Stanford University), REU, Summer
Jolene Trujillo, Spring, Summer and Fall

COOK, J.A.

Andrea Chavez, REU/UMEB (Student Award: Oral Presentation at Biology Research Day)
Ben Edinger, Regents' Scholar Student
Randle McCain, Research Experiences for Undergraduates (REU)
Camille McLaren, REU
Krista Ortega, REU/Undergraduate Mentoring in Environmental Biology (UMEB)
Ben Schaff, USDA support
Scarlett Swanson, REU (NSF)

CRIPPS, R.M.

Alicia Arguelles, all year
Mike Ciura, all year
Justin Lemmons, Spring
Candice Lovato, Summer and Fall
Phuong Nguyen, all year
Cheryl Sensibaugh, all year
Joseph Varoz, Fall

CUNNINGHAM, C.

Fall: Michelle Archuleta; Antoine Ho

DAHM, C.N.

Outside committee member and mentor for doctoral students Joe Chandler, Jay Hodgson, Stephanie Parker and Lori Tolley-Jordan from the University of Alabama as part of the Freshwater Science Integrative Graduate Education and Research Traineeship (IGERT) Program between UNM and the University of Alabama.

HANSON, D.T.

Susan Sanchez Monzon:
(1) Independent Research and Honors thesis, Spring, Summer and Fall
(2) Received a Summer Undergraduate Research Fellowship from the American Society of Plant Biologists to work in my lab in the summer of 2005 and attend the national society meeting in Summer 2006

Kathleen Weeks, Independent Research, Fall.

HOFKIN, B.V.

Chris Aquino, Summer 2006–present. Biol. 499, Undergraduate Problems, Fall.

Jamie Hall, Summer 2005–Spring2006. Biol. 499, Undergraduate Problems, Spring.

Lindsey Livingstone, November 2006–present.

KODRIC-BROWN, A.

Spring: Biol. 400, Senior Honors Thesis (3 credits/semester), Erin M. Schultz, "Absence of Mate Copying Behavior in Male and Female Endler's Livebearer Guppies (*Poecilia* sp.)."
Fall: Biol. 400, Senior Honors Thesis (3 credits/semester), Erin M. Schultz, "Absence of Mate Copying Behavior in Male and Female Endler's Livebearer Guppies (*Poecilia* sp.)."
Summer: Beth Belding, REU Program

LOKER, E.S.

Post-doctoral associates working in my lab:

- Dr. Coen Adema
- Dr. Sara Brant
- Dr. Ben Hanelt
- Dr. Wael Lotfy
- Dr. Michelle Steinauer
- Dr. Si-Ming Zhang
- Dr. Yong Zheng

Supervisor for technicians Ms. Elizabeth Hatton and Dr. Barbara Stout working in my lab.

MARSHALL, D.L.

Fall:	Jesse Byrd and Martha Garcia
Spring:	Rene Aguilera

MILLER, R.D.

Spring:	Jonathan Trujillo, IMSD, Honors thesis in Biochemistry, graduated Spring 2006 Summa Cum Laude.

MILNE, B.T.

Moanna Wright, Independent Study in collaboration with Anthropology, Spring and Summer.

Mentor, Annual Research Day and Creativity Day

NATVIG, D.O.

Fall:	Biol. 499, Undergraduate Problems, Katrina Barnes (2 cr), Shayai Lucero (3 cr), Jared Velarde (3 cr)
Spring:	Biol. 499, Undergraduate Problems, Leiana Sedillo (3 cr), Ateka Al-Sultan (3 cr), Rukia Al-Sultan (3 cr)

NELSON, M.A.

Katie Liberatore: Senior Honors Thesis, Spring

Christine Chee: Initiative for Minority Student Development (IMSD) NIH Program and Minority Access to Research Careers (MARC) Program, Summer and Fall

POCKMAN, W.T.

Amelia Apfel, student employee, Summer
Tara Blackman, student employee, Summer
Laura Cagney, student employee, Summer
James Clancy, student employee, Summer
Nicole Davidson, student employee, Summer and Fall
Andrea Everett, student employee, Summer
Caleb Fort, student employee, Summer and Fall
William Gallin, student employee, Summer
Laura Garrison, student employee, Summer
Julie Glaser, student employee, developing individual research project, Summer and Fall
Sam Markwell, student employee, Summer and Fall
Amanda McGraw, student employee, Summer
Cathy McQueen, student employee, Summer and Fall
Clinton Mullins, student employee, Summer
Melissa Perkins, student employee, Summer
Matthew Spinelli, student employee, Summer

SINSABAUGH, R.L.

Spring: Biol. 499, Undergraduate Research, 4 students (Christine Cooper [1 cr.], Purnima Dwivedi [1 cr.], Grace Esquibel [2 cr.], Claudia Quan [1 cr.]
Biol. 400, Honor's Thesis, Kylea Odenbach (3 cr.)

SMITH, F.A.

Adrienne Raniszewski (May 2006–present)

Kristin Youberg (May 2006–present); graduated with a B.A. in Biology and currently is a graduate student in the Education Program at UNM.

SWAN, J.

Taught Biol. 402, 502, and 551 courses in advanced dissection and anatomy mentoring.

TAKACS-VESBACH, C.D.

Brandi Cron, June–December 2006
Erin Crossey, Summer 2006
Justine Hall, 2004–
Gina Ryan, January 2006–
Gurdeep Singh, June 2006–
J.J. Smith, September 2005–May 2006
Anthony Truby, June–December 2006
Olan Weaver-Jackson, Honors, *Magna cum laude*, 2003–Spring 2006

THORNHILL, R.

Spring: Biol. 499, Undergraduate Problems, 5 students
Fall: Biol. 499, Undergraduate Problems, 6 students

TURNER, T.F.

Christine Cooper, undergraduate Research Assistant, 2004–06. Graduated Spring 2006. Currently works as a biologist at Disney World, Orlando Florida.

Tamara Max, Undergraduate Research Assistant, REU, 2005–06. Graduated Spring 2006. Currently, a research biologist, Idaho Department of Game and Fish.

Aimee Marek, REU student, Summer 2006. Currently, a UNM Biology undergraduate.

Nedra Iwerks, Summer. Currently, REU student, undergraduate Research Assistant.

Tracy Diver, Fall. Currently, an undergraduate Research assistant and UNM Biology undergraduate.

WERNER-WASHBURNE, M.

Ray Joe and Phillip Tapia, Initiatives to Maximize Student Diversity (IMSD) students. I am overwhelmed with students who come to me for advice because they have heard about me.I also

advise the four SACNAS Genome fellows and undergraduates who have been identified by the program.

WOLF, B.O.

Summer: Casey Gilman (NSF REU), Theresa Hyde (NSF REU), Alex Washburne, (NSF REU), Hagit Salamon

G. Other Teaching Activities.

ALTENBACH, J.S.

Abandoned Mine Entry: Hazards and Procedures, Socorro NM, November 13-17. Classroom and field components. Course taught through the Office of the State of New Mexico Bureau of Mine Inspection to N.M. State Police, Albuquerque Police Department Bomb Squad, and U.S. Bureau of Alcohol, Tobacco and Firearms.

COLLINS, S.L.

One-week Cameo, Biol. 516, Basic Graduate Ecology, Fall
Guest Lecture in Civil Engineering seminar class, Fall
Guest Lecture in Environmental Law class, Fall

CUNNINGHAM, C.

Served on the graduate committees of two Ph.D. students at the Medical University of South Carolina.

Serve as adjunct faculty member of the Department of Biochemistry, Medical University of South Carolina.

Serve as adjunct faculty member of the Marine Biomedicine Program, Medical University of South Carolina.

DAHM, C.N.

Guest-lectured in the Freshman Learning Center class on Microbes and Society (Diana Northup and Janet Shagam, Coordinators) and the class on drought coordinated by Professor Dave Gutzler in Earth and Planetary Sciences, UNM.

Water Resources 598 (Professional Project), two graduate students (Eric Scherff and Jeanine McGann) mentored.

HANSON, D.T.

Mentored Bianca Garcia, a high school student from St. Pius, on her science fair project, Fall; she won second place in January 2007 for her project, "How Effective Is Algae at Producing Hydrogen?".

HOWE, K.A.

Outside exam reviews (two per exam for each course exam)

MILNE, B.T.

Organized Faculty Retreat for Sustainability Studies Program, Spring.

TAKACS-VESBACH, C.D.

Undergraduate Awards:

Hall, Justine Rebecca: Robert C. Byrd Honors Scholarship, 2003–07; Society for Advancement of Chicanos and Native Americans in Science (SACNAS) Conference Travel Award, Fall; Second Place Best Undergraduate Poster, 15th Annual Research Day, Department of Biology, UNM, April.

Jackson-Weaver, Olan: *Magna cum laude* honors received for Senior Thesis.

WERNER-WASHBURNE, M.

Lectured at the National Association of Biology Teachers, Fall.

Because my laboratory, until now, was the only one doing microarrays in the department, I have spent a lot of time with my students, keeping them at the frontier of this analysis.

WOLF, B.O.

Weekly journal meeting for my lab members.

II. PUBLICATIONS.

A. Books Authored.

ALTENBACH, J.S.

Sherwin, R.E. and J.S. Altenbach. (In revision.) *A Primer for the Management of Abandoned Mines for Bats.* Bat Conservation International, 358 pp.

COUNCIL-GARCIA, C.L.

Council-Garcia, C.L. and A.G. Ortiz. 2006. *Biology Discussion Manual: Cell Biology and Genetics.* Pearson Custom Publishing.

FRANKIS, R.C., JR.

Frankis, R.C. Jr. 2007. *Biology for Non-majors.* Kendall/Hunt Publishing Co., 179 pp.

B. Books Edited.

BARTON, L.L.

Barton, L.L. and J. Abadia, Eds. 2006. *Iron Nutrition in Plants and Rhizospheric Microorganisms.* Dordrecht, The Netherlands: Springer.

C. Chapters in Books or Major Synthetic Reviews.

BARTON, L.L.

Barton, L.L., G.V. Johnson and Y.M. Bishop. 2006. The Metabolism of Iron by Nitrogen-fixing Rhizospheric Bacteria. Pp. 199-214 in *Iron Nutrition in Plants and Rhizospheric Microorganisms*. L.L. Barton and J. Abadia, eds. Dordrecht, The Netherlands: Springer.

DAHM, C.N.

Dahm, C.N., H.M. Valett, C.R. Baxter and W.W. Woessner. 2006. Hyporheic zones. Chapter 6, pp. 119-142 in *Methods in Stream Ecology*, 2nd edition, F.R. Hauer and G.A. Lamberti, Eds. Elsevier Press.

LOWREY, T.K.

Lowrey, T.K. and L. Shultz. 2006. Sphaeromeria (Asteraceae). Pp. 499-502 in *Flora of North America*. Oxford University Press.

THORNHILL, R.

Thornhill, R. 2006. Foreword: Human sperm competition and woman's dual sexuality. Pp. v-xvii in *Sperm Competition in Humans: Classic and Contemporary Readings* , T.K. Shackelford and N. Pound, eds. New York, NY: Springer-Verlag Press.

D. Articles in Refereed Journals.

ALTENBACH, J.S.

Sherwin, R.E. and J.S. Altenbach. (In press.) On the modification of roost temperatures by maternity colonies of Townsend's big-eared bats. *Journal of Mammalogy*.

BARTON, L.L.

Unreported last year:

Min, M.Z.; H.F. Xu, L.L. Barton, X.J. Peng, L. Yin and R.C. Wang. 2005. Experimental study on reduction of U(VI) by an anaerobic bacterium, *Shewanella putrefaciens*: Application to sandstone-hosted interlayer oxidazation-zone type uranium deposits, China. *Science in China Series D-Earth Sciences* 48(3):346-352.

Min, M.Z., H.F. Xu, L.L. Barton, R.C. Wang, X.J. Peng and H. Wiatrowski. 2005. Bio-mineralization of uranium: A simulated experiment and its significance. *Acta Geologica Sinica-English Edition* 79(1):134-138.

Min, M.Z., H.F. Xu and L.L. Barton. 2005. Uranium enriched in carbonised wood: Role of microbes on uranium immobilization. *Geochimica et cosmochimica Acta* 69(10):A469.

BROWN, J.H.

Brown, J.H. and R.M. Sibly. 2006. Life history evolution under a production constraint. *Proceedings of the National Academy of Sciences of the United States of America* 103:17595-17599.

Allen, A.P., J.F. Gillooly, V.M. Savage and J.H. Brown. 2006. Kinetic effects of temperature on rates of genetic divergence and speciation. *Proceedings of the National Academy of Sciences of the United States of America* 103:9130-9135.

Anderson, K.J., A.P. Allen, J.F. Gillooly and J.H. Brown. 2006. Temperature-dependence of biomass accumulation rates during secondary succession. *Ecology Letters* 9:673-682.

Gillooly, J.F., A.P. Allen, V.M. Savage, E.L. Charnov, G.B. West and J.H. Brown. 2006. Response to Clarke and Fraser: Effects of temperature on metabolic rate. *Functional Ecology* 20:400-404.

Kodric-Brown, A., R.M. Sibly and J.H. Brown. 2006. The allometry of ornaments and weapons. *Proceedings of the National Academy of Sciences of the United States of America* 103:8733-8738.

Martiny J.B.H., B.J.M. Bohannan, J.H. Brown, R.K. Colwell, J.A. Fuhrman, J.L. Green, M.C. Horner-Devine, M. Kane, J.A. Krumins, C.R. Kuske, P.J. Morin, S. Naeem, L. Ovreas, A.L. Reysenbach, V.H. Smith and J.T. Staley. 2006. Microbial Biogeography: Putting micro-organisms on the map. *Nature Reviews Microbiology* 4:102-112.

CHARNOV, E.L.

Gillooly, J.F., A.P. Allen, and E.L. Charnov. 1006. Dinosaur fossils predict body temperatures. *PLOS Biology* 4:1467-1469.

Schwanz, L.E., J.G. Bragg and E.L. Charnov. 2006. Maternal condition and facultative sex ratios in populations with overlapping generations. *American Naturalist* 168:521-530.

Gillooly, J.F., A.P. Allen, V.M. Savage, E.L. Charnov, G.B. West and J.H. Brown. 1006. Response to Clarke and Fraser: Effects of temperature on metabolic rate. *Functional Ecology* 20:400-404.

Savage, V.M., E.P. White, M.E. Moses, S.K.M. Ernest, B.J. Enquist and E.L. Charnov. 2006. Comment on "The illusion of invariant quantities in life histories." *Science* 312.

Charnov, E.L. and S.K.M. Earnest. 2006. The offspring/clutch size trade-off in mammals. *American Naturalist* 167:578-582.

COLLINS, S.L.

Peters, D.C.P., J.R. Gosz, W.T. Pockman, E. Small, R.R. Parmenter, S.L. Collins and E. Muldavin. 2006. Integrating patch and boundary dynamics to understand and predict biotic transitions at multiple spatial scales. *Landscape Ecology* 21:19-33.

Collins, S.L. and M.D. Smith. 2006. Scale-dependent interaction of fire and grazing on community heterogeneity in tallgrass prairie. *Ecology* 87:2058-2067.

Collins, S.L., L.M.A. Bettencourt, A. Hagberg, R.F. Brown, D.I. Moore, G. Bonito, K.A. Delin, S.P. Jackson, D.W. Johnson, S.C. Burleigh, R.R. Woodrow and J.M. McAuley. 2006. New

opportunities in ecological sensing using wireless sensor networks. *Frontiers in Ecology and the Environment* 4:402-407.

Baez, S., S.L. Collins, D. Lightfoot and T. Koontz. 2006. Effects of rodent removal on community dynamics in desert grassland and shrubland vegetation. *Ecology* 87:2746-2754.

COOK, J.A.

Cook, J.A., N.G. Dawson and S.O. MacDonald. 2006. Conservation of highly fragmented systems: The north temperate Alexander Archipelago. *Biological Conservation* 133:1-15.

Goethert, H.K., J.A. Cook, E.W. Lance and S.R. Telford III. 2006. Fay and Rausch 1969 Revisited: *Babesia microti* in Alaskan small mammals. *Journal of Parasitology* 92:826-831.

Glass, G.E., T.M. Shields, R.R. Parmenter, D. Goade, J.N. Mills, J. Cheek, J. Cook and T.L. Yates. 2006. Hantavirus risk in 2006 for U.S. Southwest. *Occasional Papers, Texas Tech University* 255:1-16.

Dragoo, J., A. Lackey, K.Moore, E. Lessa, J. Cook and T. Yates. 2006. Phylogeography of the deer mouse (*Peromyscus maniculatus*) provides a predictive framework for research on hantaviruses. *Journal of General Virology* 87:1997-2003.

CUNNINGHAM, C.

Ingerslev, H.C., H.I. Wergeland and C. Cunningham. 2006. Cloning and expression of TNF-α, IL-1-β and COX-2 in an anadromous and landlocked strain of Atlantic salmon (*Salmo salar* L) during the smolting period. *Fish and Shellfish Immunology* 20:450-461.

Cunningham C., J. Hikima, M.J. Jenny, R.W. Chapman, G.C. Fang, C. Saski, M.L. Lundqvist, R.A. Wing, P.M. Cupit, P.S. Gross, G.W. Warr and J.P. Tomkins. 2006. New resources for marine genomics: BAC libraries for the Eastern and Pacific oysters (*Crassostrea virginica* and *C. gigas*). *Marine Biotechnology* 8:521-533.

Cupit P.M., M.L. Lennard, J. Hikima, G.W. Warr and C. Cunningham. 2006. Characterization of two POU transcription factor family members from the urochordate *Oikopleura dioica*. *Gene* 383:1-11.

DAHM, C.N.

Fellows, C.S., H.M. Valett, C.N. Dahm, P.J. Mulholland and S.A. Thomas. 2006. Coupling nutrient uptake and energy flow in headwater streams. *Ecosystems* 9:788-804.

Cleverly, J.R., C.N. Dahm, J.R. Thibault, D.E. McDonnell and J.E.A. Coonrod. 2006. Riparian ecohydrology: Regulation of water flux from the ground to the atmosphere in the Middle Rio Grande, New Mexico. *Hydrological Processes* 20:3207-3225.

Madsen, B.L., P.J. Boon, P.S. Lake, S.E. Bunn, C.N. Dahm, T.E. Langford and M. Zalewski. 2006. Ecological principles and stream restoration. *Verhandlungen Internationale für Theoretische und Angewandte Limnologie* 29:2045-2050.

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DUSZYNSKI, D.W.

Asmundsson, I.A., D.W. Duszynski and J.A. Campbell. 2006. Seven new Eimeria species (Apicomplexa: Eimeriidae) from colubrid snakes of Guatemala and a discussion of what to call ellipsoid tetrasporocystic dizoic coccidia of reptiles. *Systematic Parasitology* 63:1-13.

HANSON, D.T.

Flexas J., M. Ribas-Carbó, D.T. Hanson, J. Bota, B. Otto, J. Cifre, H. Medrano, N. McDowell and R. Kaldenhoff. 2006. Tobacco aquaporin NtAQP1 is involved in mesophyll conductance to CO_2 *in vivo*. *The Plant Journal* 48:427-439.

KODRIC-BROWN, A.

Kodric-Brown, A., R.M. Sibly and J.H. Brown. 2006. The allometry of ornaments and weapons. *Proceedings of the National Academy of Sciences* 103:8733-8738.

LITVAK, M.E.

Goulden, M.L., G.C. Winston, A.M.S. McMillan, M.E. Litvak, E.L. Read, A.V. Rocha and J.R. Elliot. 2006. An eddy covariance mesonet to measure the effect of forest age on land-atmosphere exchange. *Global Change Biology* 12:2146-2162.

Amiro, B.D., A.L. Orchansky, A.G. Barr, T.A. Black, S.D. Chambers, F.S. Chapin III, M.L. Goulden, M. Litvak, H.P. Liu, J.H. McCaughey, A. McMillan and J.T. Randerson. 2006. The effect of post-fire stand age on the boreal forest energy balance. *Agricultural and Forest Meteorology* 140:41-50.

LOKER, E.S.

Brant, S.V., J.A.T. Morgan, G.M. Mkoji, S.D. Snyder, R.P.V.J. Rajapakse and E.S. Loker. 2006. An approach to revealing blood fluke life cycles, taxonomy, and diversity: provision of key reference data including DNA sequence from single life cycle stages. *Journal of Parasitology* 92:77-88.

Jiang, Y., E.S. Loker and S.-M. Zhang. 2006. *In vivo* and *in vitro* knockdown of FREP2 gene expression in the snail *Biomphalaria glabrata* using RNA interference (RNAi). *Developmental and Comparative Immunology* 30:855-866.

Loker, E.S. and S.V. Brant. 2006. Diversification, dioecy and dimorphism in schistosomes. *Trends in Parasitology* 22:521-528 (with cover).

Adema, C.M. M.-Z. Luo, B. Hanelt, L.A. Hertel, J.J. Marshall, S.-M. Zhang, R.J. DeJong, H.-R. Kim, D. Kudrna, R.A. Wing, C. Soderlund, M. Knight, F.A. Lewis, R.L. Caldeira, L.K. Jannotti-Passos, O. dos Santos Carvalho and E.S. Loker. 2006. A BAC library for *Biomphalaria glabrata*, intermediate snail host of *Schistosoma mansoni*. *Memorias do Instituto Oswaldo Cruz* 101 (Supplement 1):167-177.

MILLER, R.D.

Gouin, N., J.E. Deakin, K.B. Miska, R.D. Miller, C.M. Kammerer, J.A.M. Graves, J.L. VandeBerg and P.B. Samollow. 2006. Linkage mapping and physical localization of the major histocompatibility complex region of the marsupial *Monodelphis domestica*. *Cytogenetic and Genome Research* 112:277-285.

Parra, Z.E., T. Arnold, M.A. Nowak, L. Hellman and R.D. Miller. 2006. TCR gamma chain diversity in the spleen of the duckbill platypus (*Ornithorhynchus anatinus*). *Developmental & Comparative Immunology* 30:699-710.

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Garver-Apgar, C. E., S.W. Gangestad, R. Thornhill, R.D. Miller and J.J. Olp. 2006. Major Histocompatibility Complex alleles, sexual responsiveness, and unfaithfulness in romantic couples. *Psychological Science* 17:830-835.

Belov, K., J.E. Deakin, A.T. Papenfuss, M.L. Baker, S.D. Melman, H.V. Siddle, N. Gouin D.L. Goode, J. Tobias, T.J. Sargeant, M.D. Robinson, M.J. Wakefield, S. Mahony, J.G.R. Cross, P.V. Benos, P.B. Samollow, T.P. Speed, J.A.M. Graves and R.D. Miller. 2006. Reconstructing an ancestral mammalian immune supercomplex from a marsupial MHC. *PLoS Biology* 4(3):e46.

Deakin, J.E., J.J. Olp, J.A.M. Graves and R.D. Miller. 2006. Physical mapping of immunoglobulin loci *IGH@*, *IGK@* and *IGL@* in the opossum (*Monodelphis domestica*). *Cytogenetic and Genome Research* 114:94H.

Siddle, H.V., J.E. Deakin, M.L. Baker, R.D. Miller and K. Belov. 2006. Isolation of Major Histocompatibility Complex Class I genes from the tammar wallaby (*Macropus eugenii*). *Immunogenetics* 58:487-493.

Gouin, N., A.M. Wright, K.B. Miska, Z.E. Parra, P.B. Samollow, M.L. Baker and R.D. Miller. 2006. *Modo-UG,* a marsupial non-classical MHC class I locus. *Immunogenetics* 58:396-406.

POCKMAN, W.T.

Peters, D.P.C., J.R. Gosz, W.T. Pockman, E.E. Small, R.R. Parmenter, S.L. Collins and E. Muldavin. 2006. Integrating patch and boundary dynamics to understand and predict biotic transitions at multiple scales. *Landscape Ecology* 21:19-33.

Hultine, K.R., D.E. Koepke, W.T. Pockman, A. Fravolini, J.S. Sperry and D.G. Williams. 2006. Influence of soil texture on hydraulic properties and water relations of a dominant warm-desert phreatophyte. *Tree Physiology* 26:313-323.

POE, S.

Hulebak, E. and S. Poe. 2006. *Anolis pandoensis* is a junior synonym of *Anolis kemptoni*. *Caribbean Journal of Science* 42(3):148-9.

Poe, S. 2006. Test of Von Baer's law of the conservation of early development. *Evolution* 60: 2239–2245.

SINSABAUGH, R.L.

Gallo, M.E., R.L. Sinsabaugh and S.E Cabaniss. 2006. The role of ultraviolet radiation in litter decomposition in arid ecosystems. *Applied Soil Ecology* 34(1):82-91.

Findlay, S. and R.L. Sinsabaugh. 2006. Stream microbial communities: A cross-regional comparison of metabolic function and community similarity. *Microbial Ecology* 52(3):491-500.

Moorhead, D.L. and R.L. Sinsabaugh. 2006. A theoretical model of litter decay and microbial interaction. *Ecological Monographs* 76(2):151-174.

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Stursova, M., C. Crenshaw and R.L. Sinsabaugh. 2006. Microbial responses to long-term N deposition in a semi-arid grassland. *Microbial Ecology* 51(1):90-98.

SMITH, F.A.

Millien, V., S.K. Lyons, L. Olson, F.A. Smith, T. Wilson and Y. Yom-Tov. 2006. Ecotypic variation in the context of global climate change: Revisiting the rules. *Ecology Letters* 9:853-869.

Smith, F.A. and J.L. Betancourt. 2006. Predicting woodrat (*Neotoma*) responses to anthropogenic warming from studies of the palaeomidden record. *Journal of Biogeography* 33:2061-2076.

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STRICKER, S.A.

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Stricker, S.A. and T.L. Smythe. 2006. Differing mechanisms of cAMP- versus seawater-induced oocyte maturation in marine nemertean worms I. The roles of serine/threonine kinases and phosphatases. *Molecular Reproduction and Development* 73:1578-1590.

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TAKACS-VESBACH, C.D.

Auchtung, T.A., C.D. Takacs-Vesbach and C.M. Cavanaugh. 2006. A 16S rRNA phylogenetic investigation of the candidate division, *Korarchaeota*. *Applied and Environmental Microbiology* 72:5077-5082.

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TURNER, T.F.

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Pease, A.A., J.J. Davis, M.S. Edwards and T.F. Turner. 2006. Habitat and resource use by larval and juvenile fishes in an arid-land river (Rio Grande, New Mexico). *Freshwater Biology* 51:475-486.

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WAIDE, R.B.

White, E.P., P.B. Adler, W.K. Lauenroth, R.A. Gill, D. Greenberg, D.M. Kaufman, A. Rassweiler, J.A. Rusak, M.D. Smith, J.R. Steinbeck, R.B. Waide and J. Yao. 2006. A comparison of the species–time relationship across ecosystems and taxonomic groups. *Oikos* 112:185-195.

WERNER-WASHBURNE, M.

Roy, S., T. Lane, C. Allen, A.D. Aragon and M. Werner-Wasbhurne. In press. A hidden-state Markov model for cell population deconvolution. *Journal of Computational Biology*.

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Baca, H.K., C. Ashley, E. Carnes, D. Lopez, J. Flemming, D. Dunphy, S. Singh, Z. Chen, N. Liu, H. Fan, G.P. López, S.M. Brozik, M. Werner-Washburne and C.J. Brinker. 2006. Cell-directed assembly of the bio-nano interface. *Science* 313:337-341.

Allen, C., S. Büttner, A.D. Aragon, J.A. Thomas, O. Meirelles, J.E. Jaetao, D. Benn, S.W. Ruby, M. Veenhuis, F. Madeo and M. Werner-Washburne. 2006. Isolation of quiescent and non-quiescent cells from *Saccharomyces cerevisiae* stationary phase cultures. *Journal of Cell Biology* 174:89-100.

Aragon, A.D., G.A. Quiñones, E.V. Thomas, S. Roy and M. Werner-Washburne. 2006. Release of sequestered mRNA is responsible for a massive, non-transcriptional increase in mRNA after oxidative stress in *S. cerevisiae* stationary-phase cultures. *Genome Biology* 65(2):357-360.

WOLF, B.O.

Lease, H.M., B.O. Wolf and J.F. Harrison. 2006. Intraspecific variation in tracheal volume in the American locust (*Schistocerca americana*) measured by a new inert gas method. *Journal of Experimental Biology* 209:3476-3481.

E. Book Reviews.

COUCH, L.

Microbiology: Principles and Practice. Kim R. Finer, Ph.D., Professor, Biological Sciences, Kent State University/Stark, North Canton, OH.

MARSHALL, D.L.

Served on Prentice Hall advisory board for *Biological Science* by Scott Freeman. Duties included analyzing all reviews for the section on plant function and recommending improvements for the 3rd edition.

F. Articles in Non-scholarly Journals.

COOK, J.A.

Frey, J.K., S.O. MacDonald and J.A. Cook. 2006. Checklist to the Mammals of New Mexico. 4 pp. (http://www.msb.unm.edu/mammals/publications/NMmamchecklist.pdf)

DAHM, C.N.

Follstad Shah, J., C. Dahm and S. Gloss. 2006. Lessons learned from restoration practitioners. *Southwest Hydrology* 5(3):10-11.

Follstad Shah, J., C. Dahm and S. Gloss. 2006. River restoration efforts compared among four corners states. *Southwest Hydrology* 5(2):10-11.

Follstad Shah, J., C. Dahm and S. Gloss. 2006. The National River Restoration Science Synthesis Project in the Southwest. *Southwest Hydrology* 5(1):10-11.

G. Quasi-public Reports for Internal/External Circulation.

ALTENBACH, J.S.

Bat Use and Habitat Potential in the Bradley Group Mines, Grant Co., NM. Report to the NM Abandoned Mine Lands Bureau.

Report on Evaluation of the Abandoned Mine Features on the Alum Gulch Abandoned Mines Project, Sierra Vista Ranger District, Coronado National Forest, Herford AZ.

COLLINS, S.L.

Two short updates on the LTER planning process in the LTER Network newsletter.

COOK, J.A.

Annual Report of the Division of Mammals, Museum of Southwestern Biology, UNM.

HANSON, D.T.

Year-end Report of Research Progress: Sandia–University Research Program (SURP) between Sandia National Laboratories and D.T. Hanson. Project title: "Inorganic carbon usage by the marine cyanobacterium *Synechococcus* WH8102."

MARSHALL, D.L.

Annual report to National Science Foundation for the Noyce Scholarship program.

MILNE, B.T.

Curriculum Proposal in support of Forms B and C for a new undergraduate minor degree in Sustainability Studies, including four new courses and creation of the program for the catalogue. 36 pp.

NATVIG, D.O.

Editor-in-Chief Report. 2006.*Inoculum* 57(4):7-8.

Report of the Editor-in-Chief of *Mycologia*. 2006. *Inoculum* 57(5):7.

TURNER, T.F.

Turner, T.F. and M.J. Osborne. 2006. Genetic monitoring in the Rio Grande silvery minnow: Genetic status in 2006. Annual Report to the U.S. Bureau of Reclamation, September.

Osborne, M.J. and T.F. Turner. 2006. Baseline genetic survey of the threatened Pecos bluntnose shiner (*Notropis simus pecosensis*). Report to the New Mexico Department of Game and Fish, Santa Fe NM, October.

H. Abstracts (Refereed or Invited).

BARTON, L.L.

Woodards, N.A., R.M. Plunkett and L.L. Barton. 2006. Characterization of the outer membrane and capsule from *Desulfovibrio desulfuricans*, and anaerobic bacterium. 106thGeneral Meeting of American Society for Microbiology, Orlando FL, May 21-25.

Bishop, Y., D. Hanson, G. Johnson and L. Barton. 2006. The impact of toxic metals on fluorescence of PSII and chlorophyll in soybeans. 13th International Symposium on Iron Nutrition and Interactions in Plants, Montpellier, France, July 3-7.

Johnson, G. and L. Barton. 2006. The influence of trivalent cations on iron signaling in cucumber roots. 13th International Symposium on Iron Nutrition and Interactions in Plants, Montpellier, France, July 3-7.

Barton, L.L. and R.M. Plunkett. 2006.Metal stress response in bacteria and stabilization of the metallome. Fifth International Biometals Symposium, Welches OR, July 30–Aug 6.

COOK, J.A.

Cook. J.A. 2006. Host–parasite diversification around the North Pacific Rim. University of Wyoming, Laramie WY, December.

Hoberg, E. and J. Cook. 2006. A macroevolutionary mosaic: Episodic processes and history of northern faunas. International Workshop on Arctic Parasitology, Calgary AL, Canada, November.

Cook, J.A. 2006. Diversification across the High Latitude Nexus between Asia and North America. University of Kansas, Lawrence KS, May.

CUNNINGHAM, C.

Cunningham C., M.J. Jenny, R.W. Chapman, M.L. Lundqvist, P.S. Gross, G.W. Warr and J.P. Tomkins. 2006. Characterization of BAC libraries from the oysters *Crassostrea virginica* and *C. gigas*. 98th Annual Meeting of the National Shellfisheries Association, Monterey CA, March.

Jenny, M.J., G.W. Warr, A. Mancia, C. Cunningham, Y.A. Chen, P. Lang, P. Gross, H. Trent, D. McKillen, J. Almeida and R.W. Chapman.2006. Design and characterization of a multispecies oyster cDNA microarray. National Shellfish Association, Monterey CA,March.

Jenny, M.J., G.W. Warr, A. Mancia, C. Cunningham, Y.A. Chen, P. Lang, P. Gross, H. Trent, D. McKillen, J. Almeida and R.W. Chapman. 2006. Design and characterization of a multispecies oyster cDNA microarray. International Society of Developmental and Comparative Immunology, Charleston SC, July.

Cunningham, C., M.J. Jenny, Y.A. Chen, H.E Trent, D.J. McKillen, J.S. Almeida, R.W. Chapman and G.W. Warr. 2006. Design and characterization of a multi-species oyster cDNA microarray and its use in transcript profiling of immune challenged *Crassostrea virginica*. 10th International Congress of the International Society of Developmental and Comparative Immunology, Charleston SC, July.

DAHM, C.N.

Dahm, C.N. 2006. Interdisciplinary Science: What Do Other Disciplines Offer Benthic Biology. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Dahm, C.N. 2006. Arid Land Rivers of the Southwestern United States—An International Perspective, Lake Eyre Basin Conference, Renmark, Australia, September 6-8.

KODRIC-BROWN, A.

Kodric-Brown, A. 2006. Pupfish ecology and pupfish–killifish interactions. Bitter Lake National Wildlife Refuge Aquatic Resources Symposium, Bitter Lake National Wildlife Refuge, Roswell NM, December 6-7.

Kodric-Brown A., R.M. Sibly and J.H. Brown. 2006. The allometry of ornaments and weapons. 11th Congress of the International Society for Behavioral Ecology, Tours, France July 23-29.

Kodric-Brown A., R.M. Sibly and J.H. Brown. 2006. The allometry of ornaments and weapons. Gordon Conference, "Metabolic Basis of Ecology," Bates College ME, July 9-14.

LITVAK, M.E.

Litvak, M.E., J. Heilman, K. McInnes, K. Owens, J. Kjelgaard and A. Thijs. 2006. Changes in ecosystem structure related to the type and extent of woody cover alter carbon dynamics and surface energy exchange in central Texas ecosystems. Fall 2006 Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Ewers, B.E., M. Litvak, B. Bond-Lamberty, M.L. Goulden and S.T. Gower. 2006. Evapotranspiration is less variable than tree transpiration as well-drained boreal forests recover from wildfires over 150 years. Fall 2006 Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Basham, T. and M.E. Litvak. 2006. Invasive C4 perennial grass alters net ecosystem exchange in mixed C3/C4 savanna grassland. Fall 2006 Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Thijs, A. and M.E. Litvak. 2006. Contributions of different ecosystem components to the carbon balance of an encroaching savanna.Fall 2006 Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Heilman, J.L., K.J. McInnes, M.E. Litvak, M.K. Owens and J.F Kjeelgaard. 2006. Energy balance and water use by savanna ecosystems on the Edwards Plateau, TX. Annual Meeting of the Agronomy Society of America/Crop Science Society of America/Soil Science of America, Indianapolis IN, November 12-16.

Litvak, M.E., and A. Thijs. 2006. Seasonal controls over carbon dynamics in a C3/C4 grassland in transition to a mesquite/juniper scrubland. 91st Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

LOWREY, T.K.

Brouillet, L., T. Lowrey, L.E. Urbatsch, S.J. Wagstaff, V. Karaman and G. Sancho. 2006. Molecular phylogeny, evolution, and biogeography of the tribe Astereae. International Compositae Symposium, Barcelona, Spain, July.

Crawford, D.J. and T.K. Lowrey. 2006. Genetic diversity in the colonizing ancestors of Asteraceae endemic to oceanic islands: Baker's Law and polyploidy. International Compositae Symposium, Barcelona, Spain, July.

MILLER, R.D.

Melman, S.D., M.L. Baker and R.D. Miller. 2006. On the evolution of MHC class I genes in marsupials. International Society for Developmental and Comparative Immunology (ISDCI), Charleston SC, July 1-6.

MILNE, B.T.

Milne, B.T. 2006. Coupled dynamics of vegetation and terrain: Pervasive 4/7 scaling in landscapes. Ecological Society of America, Memphis TN, August 7-11.

Milne, B.T. and D.A. Dean. 2006. Maximization of Shannon Diversity under energetic constraint explains the partitioning of species richness among vertebrate taxa in North America. Metabolic Basis of Ecology, Gordon Research Conference, Lewiston ME, July 9-14.

SMITH, F.A.

Smith F.A. 2006. On being the right size: The influence of temperature on mammalian evolution. American Society of Mammalogists Annual Meeting, Amherst MA, June 17-21.

Smith, F.A. 2006. The influence of late Quaternary climate change on mammalian evolution. Conference on Macroecological Tools for Global Change, Potsdam, Germany, August.

Smith, F.A. 2006. Life in an extreme environment: The evolutionary history of *Neotoma* in Death Valley, CA. Geological Society of America Annual Meeting, Philadelphia PA, October 22-25.

Lyons, S.K. and F.A. Smith. 2006. Assessing biases in the mammalian fossil record using late Pleistocene mammals from North America. Geological Society of America Annual Meeting, Philadelphia PA, October 22-25.

TAKACS-VESBACH, C.D.

Zeglin L.H., C.D. Vesbach, M.D. Bobb, C.N. Dahm, J.E. Barrett and M.N. Gooseff.2006. Nitrogen cycling and bacterial diversity in hot and cold desert stream margins.2006 Fall Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

WAIDE, R.B.

Long-Term Ecological Research Network Office. 2006–2007 Annual report to the National Science Foundation for Division of Environmental Biology 0236154.

Annual Report of the Long-Term Ecological Research (LTER) Network Office 2006 to the LTER Coordinating Committee.

Annual Report of the Center for Research in Ecological Science and Technology (CREST) 2006 to the Dean, Arts and Sciences, UNM.

Annual Report 2006 to the Luquillo LTER Program for a subcontract with the University of Puerto Rico.

Annual Report to the National Aeronautics and Space Administration (NASA) for the Project: Caribbean Climate Studies, NASA EPSCOR PROJECT, Mechanical Engineering Department, University of Puerto Rico–Mayagüez

Annual Report 2006 to the National Aeronautics and Space Administration for the Project: Characterizing Forest Structure for Assessments of Carbon Cycling and Biodiversity: An Integrated Approach Using Lidar Remote Sensing, Field Studies, and Ecosystem Modeling

Vaughan, H.H., R.B. Waide, J.M. Maass and E. Ezcurra. 2006. Developing and Delivering Scientific Information in Response to Emerging Needs. Report from an Ecological Society of America (ESA) Workshop, Merida, Yucatan, Mexico, January.

Minutes of the Lter Coordinating Committee Meeting, Cedar Creek Natural History Area, Bethel MN, May 17-18.

Minutes of the LTER Executive Committee Meeting, St. Paul MN, May 16.

Minutes of the LTER Coordinating Committee Meeting, Estes Park CO, September 20 and 23.

WERNER-WASHBURNE, M.

Werner-Washburne, M. 2006. Microarray analysis for biological processes in yeast. New Mexico Bioinformatics Symposium, Santa Fe NM, March.

Werner-Washburne, M. 2006. Quiescence and genomics. Southwest Junior Science and Humanities Symposium, Albuquerque NM, March.

Werner-Washburne, M. 2006. Quiescence in yeast: When you come to a fork in the road, take it. University of Texas, San Antonio TX, March.

Roy, S., T. Lane, C. Allen, A. Aragon and M. Werner-Washburne. 2006. Cell population deconvolution using particle filters. RECOMB (Research in Computational Molecular Biology), Venice, Italy, April.

Werner-Washburne, M. 2006. Characterization of quiescent and non-quiescent cells from yeast SP culture. Yeast Genetics and Molecular Biology Meeting, Princeton NJ, July.

Roy, S. T Lane and M. Werner-Washburne. 2006. A data-mining approach to.cell population deconvolution from gene expressions using particle filters. Biological Knowledge Discovery and Data Mining (BIOKDD) Workshop on Data-mining in Bioinformatics, Chicago IL, August.

Werner-Washburne, M. 2006. Phylogenomics presentation. Los Alamos National Laboratory–UNM Bioenergy Center Group, September.

Werner-Washburne, M. 2006. Isolation of quiescent cells. UNM PREP (Post-baccalaureate Research Education Program) Program, September.

Werner-Washburne, M. 2006. Genomic approaches to study the quiescent state. National Association of Biology Teachers, Albuquerque NM, October.

Allen, C., A.D. Aragon, S. Roy, O. Meirelles and M. Werner-Washburne. 2006. A data-mining approach to cell population deconvolution from gene expressions using the "Omics" revolution in the biological sciences–The necessity for the interdisciplinary approach. IPSI 2006, Lake Bled, Slovenia, November 30-December 3.

Roy, S., T. Lane and M. Werner-Washburne. 2006. Predicting protein–protein interactions using amino acid composition. RECOMB (Research in Computational Molecular Biology) Conference on Systems Biology, San Diego CA, December.

WOLF, B.O.

Lease, H.M. and B. O. Wolf. 2006. Interspecific exoskeletal and energy reserve allometry of arthropods. American Physiological Society Conference on "Comparative Physiology 2006: Integrating Diversity," Virginia Beach VA, October.

I. **Abstracts (Contributed) (including Research Day abstracts of your students).**

BARTON, L.L.

Barton, L.L. 2006. Characterization of the outer membrane of *Desulfovibrio desulfuricans*, an anaerobic bacterium. Second Annual Initiatives to Maximize Student Diversity (IMSD) Research Symposium, UNM, Albuquerque NM, August 11.

BERGTHORSSON, U.

Nourestani, M., V. Katju and U. Bergthorsson. 2006. Are partial and chimeric gene duplications functional? Annual Meeting of Society for Advancement of Chicanos and Native Americans (SACNAS), Tampa FL, October 26-29.

LaBeau, E., V. Katju and U. Bergthorsson, 2006. Investigation of the sex determination pathway in *Caenorhabditis elegans* fog-2 mutants. Annual Meeting of Society for Advancement of Chicanos and Native Americans (SACNAS), Tampa FL, October 26-29.

COLLINS, S.L.

Five, the Ecology Society of America Annual Meeting, Memphis TN, August 6-11.

One, Science Symposium, Annual Meeting of the Kruger National Park, South Africa, April.

CRIPPS, R.M.

Ryan, K.M., J.D. Hendren, L.A. Helander and R.M. Cripps. 2006. The NK homeodomain transcription factor Tinman is a direct activator of *seven-up* in the *Drosophila* dorsal vessel. 15th Annual Research Day, Department of Biology, UNM, April 7.

Helander, L.A. and R.M. Cripps. 2006. The role of the Tailup gene in heart development in *Drosophila*. 15th Annual Research Day, Department of Biology, UNM, April 7.

DAHM, C.N.

Acuña, V., C.N. Dahm, K. Tockner, P. Reichert and U. Uehlinger. 2006. Effects of pulse events at different spatial scales on arid land and alpine stream and river ecosystems. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

VanHorn, D.J., L.H. Zeglin and C.N. Dahm. 2006. Seasonal and longitudinal trends in Middle Rio Grande water quality. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

McDonnell, D.E., C.N. Dahm, J.E.A. Coonrod, J.R. Cleverly and J.R. Thibault. 2006. Scaling Leaf Area Index, Evapotranspiration, and Groundwater Nitrogen Concentrations in Canopies along the Middle Rio Grande Riparian Corridor. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Vesbach, C.D., L.H. Zeglin, M.D. Bobb, C.N. Dahm, J.E. Barrett and M.N. Gooseff. 2006. Biological and physical gradients in near-stream hydrologic margins of hot and cold deserts. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Zeglin, L.H., D.J. Van Horn, C.N. Dahm, G.P. Oelsner and P.D. Brooks. 2006. Controls on water quality in a heavily managed aridland river. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Crenshaw, C.L., C.N. Dahm, R.T. Edwards, J.B. Fellman and E.C. Norberg. 2006. Going against the current: Evidence of co-limitation is salmon streams. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Helton, A.M., G.C. Poole, J.L. Meyer, C. Arango, L.R. Ashkenas, C.N. Dahm, W.K. Dodds, S.V. Gregory, N.B. Grimm, R.O. Hall, S.H. Hamilton, S.L. Johnson, W.H. McDowell, P.J. Mulholland, B.J. Peterson, J.L. Tank, H.M. Valett and J.R. Webster. 2006. Patterns of nitrate loading and removal in stream networks: An interbiome comparison. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Tibbets, T.M., C.N. Dahm, J.J. Follstad Shah, M.C. Molles, J.F. Schuetz and J.R. Thibault. 2006. Cottonwood forest response to floods and drought along the Middle Rio Grande. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Follstad Shah, J.J., C.N. Dahm, S.P. Gloss, E.S. Bernhardt, M.A. Palmer and J.D. Allan. 2006. River and riparian restoration in the Southwest: Results of the National River Restoration Science Synthesis project. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Thibault, J.R., J.R. Cleverly, and C.N. Dahm. 2006. Hydrologic influences on riparian evapotranspiration during snowmelt runoff. Fall Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Zeglin, L.H., C.D. Vesbach, C.N. Dahm, J.E. Barrett, and M.N. Gooseff. 2006.Nitrogen cycling and bacterial diversity in hot and cold desert stream margins. Fall Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Cleverly, J.R., S.B. Teet, J.R. Thibault, and C.N. Dahm. 2006. Surface layer dynamics during development of the North American monsoon: Riparian forest fluxes. Fall Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Crossey, L.J., K.E. Karlstrom, D.R. Hilton, T.P. Fischer, C. Takacs-Vesbach, C.N. Dahm, and O. Jackson-Weaver. 2006. CO_2-rich springs and travertines of the Rocky Mountain Region: Mantle helium associated with the Aspen anomaly and geomicrobiology of "Continental Smokers." Geological Society of America Annual Meeting, Philadelphia PA, October 22-25.

HANSON, D.T.

Rice, S.K., D.T. Hanson and L. Aclander. 2006. Functional traits of Sphagnum moss canopies as they relate to photosynthetic performance evaluated using phylogenetically independent contrasts. Botany 2006, American Bryological and Lichenological Society, Chico CA, July.

Hanson, D.T., M. Barbour and N. McDowell. 2006. Rapid shifts in light-enhanced $^{13}CO_2$ enrichment of leaf respiration: Insight from 10Hz on-line measurements of $^{13}CO_2$ exchange during light/dark transitions. Plant Biology 2006, American Society of Plant Biologists, Boston MA, July.

Monzon, S.S. and D.T. Hanson. 2006. Activation of Red Form I Algal Rubisco from *Plocamium cartilagineum*. Plant Biology 2006, American Society of Plant Biologists, Boston MA, July.

Bishop, Y., D.T. Hanson, G. Johnson and L. Barton. 2006. The impact of toxic metals on fluorescence of PSII and chlorophyll in soybeans. 13th International Symposium on Iron Nutrition and Interactions in Plants, Montepellier, France, July.

HOFKIN, B.V.

Hall, J., B. Hofkin, M. DiMenna and J. Sheyka. 2006. West Nile virus surveillance in Bernalillo County. 15th Annual Research Day, Department of Biology, UNM, April 7.

KODRIC-BROWN, A.

Swenton-Olson, D.2006. Reproductive investment differences influence co-occurrence of two *Gambusia* species. 15th Annual Research Day, Department of Biology, UNM, April 7.

Schultz, E. 2006. Consistent male mate preference without copying in Endler's livebearers. 15th Annual Research Day, Department of Biology, UNM, April 7.

Gaines, K.H. 2006. Stable isotope analysis reveals food web complexity at different spatial scales in a patchy environment. 15th Annual Research Day, Department of Biology, UNM, April 7.

LITVAK, M.E.

Litvak,M.E. and A. Thijs. 2006. Biological controls over carbon dynamics in a C3/C4 grassland in transition to a mesquite/juniper scrubland. Ameriflux 2006 Annual Scientific Meeting, Boulder CO, October 16-18.

MARSHALL, D.L.

Simpson, H.L., N.J. Abrahamson, J.J. Avritt, M.G. Barnes, J.S. Medeiros, D.M. Oliveras, J. Reynolds, S. Walsh and D.L. Marshall. 2006. Gigolos and cradle robbers: Age and mating in wild radish. 15th Annual Research Day, Department of Biology, UNM, April 7.

Simpson, H.L. and D.L. Marshall. 2006. Patterns of genotypic and phenotypic variation in an invasive mustard, Isatis tinctoria, across its introduced range. The 91st Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

Barnes, M.G. and D.L. Marshall. 2006. The genetics of restoration: A reciprocal transplant experiment with winterfat (*Krascheninnikovia lanata*). The 91st Annual Meeting of Ecological Society of America, Memphis TN, August 6-11.

MILLER, R.D.

Parra, Z.E., M.L. Baker and R.D. Miller. 2006. A novel TCR provides an alternative genetic strategy for the invariant chain receptors in a mammal. 2006 gd T Cell Conference, La Jolla CA, March 26-28.

Melman, S.D., R.D. Miller and M.L. Baker. 2006. Analysis of the genetic structure and expression patterns of MHC Class Ia and Ib of a model marsupial *Monodelphis domestica*. Immunology 2006, Boston MA, May 12-16.

Parra, Z.E., M.L. Baker, J.E. Deakin, J. Trujillo, A. Lopez, J.A.M. Graves and R.D. Miller. 2006. A novel T cell receptor chain (TCRμ) in marsupials. Immunology 2006, Boston MA, May 12-16.

Melman, S.D., M.L. Baker and R.D. Miller. 2006. On the evolution of MHC class I genes in marsupials. ISDCI, Charleston SC, July 1-6.

Parra, Z.E., M.L. Baker and R.D. Miller. 2006. TCRμ: A new T cell receptor found in marsupials. International Society for Developmental and Comparative Immunology (ISDCI), Charleston SC, July 1-6.

Parra, Z.E., M.L. Baker, J.E. Deakin, J. Trujillo, A. Lopez, J.A.M. Graves and R.D. Miller. 2006. A novel T cell receptor chain (TCRμ) in marsupials. 15th Annual Research Day, Department of Biology, UNM, April 7.

Olp, J.J. and R.D. Miller. 2006. Genomic organization of the immunoglobulin genes in model marsupial species, *Monodelphis domestica*. 15th Annual Research Day, Department of Biology, UNM, April 7.

Melman, S.D., R.D. Miller and M.L. Baker. 2006. Analysis of the genetic structure and expression patterns of MHC Class Ia and Ib of a model marsupial, *Monodelphis domestica*. 15th Annual Research Day, Department of Biology, UNM, April 7.

Papenfuss, T., K. Belov, R.D. Miller and T. Speed. 2006. Combining profile hidden markov models to identify highly diverged genes. Bioinformatics Australia 2006: "Connecting Australian Bioinformatics," Sydney, Australia, November 21-22.

MILNE, B.T.

Milne, B.T. 2006. Ecohydrological foundations for sustainable landscapes. Annual Meeting of the U.S.–International Association for Landscape Ecology, San Diego CA, March 28-31.

Luck, M.A., B.T. Milne, V. Gupta and R. Mantilla. 2006. Scaling and variation in properties of hydrological basins. Annual Meeting of the U.S.–International Association for Landscape Ecology, San Diego CA, March 28-31.

NATVIG, D.O.

Brown, R.F. and D.O. Natvig. 2006. Unwiring ecological research at the Sevilleta: Past, present, and future. 2006 Annual Sevilleta Research Symposium, Socorro NM, February.

Herrera, J., A. Porras-Alfaro, D.O. Natvig and R.L. Sinsabaugh. 2006. Variation in the endophytic fungal community among different anatomical structures of *Bouteloua gracilis*. Annual Meeting of the Mycological Society of America, Quebec, Canada, July.

Lipinski, K., A. Porras-Alfaro, R. Sinsabaugh and D.O. Natvig. 2006. The effect of nitrogen addition on desert grassland cyanobacterial species composition. Annual Research Day, Department of Biology, UNM, April 7.

Porras-Alfaro, A., W.H. Dvorachek and D.O. Natvig. 2006. Fungal community associated with roots of two closely related grasses, *Bouteloua gracilis* and *B. eriopoda*. Annual Research Day, Department of Biology, UNM, April 7.

Brown, R.F., A.E. England, J.L. Horey, A.B. Maccabe, D.O. Nelson and E.J. Nelson.2006. BosqueNet: A study of collaborative sensor network application deployment. Annual Research Day, Department of Biology, UNM, April 7.

POCKMAN, W.T.

Trafton, A. and W.T. Pockman. 2006. Water relations of native and non-native tree species along the Middle Rio Grande, New Mexico, U.S. Annual Meeting of Ecological Society of America, Memphis TN, August.

Bichler, J., W.T. Pockman, R. Jackson and A. McElrone, Andrew. 2006. Quantifying the contribution of aquaporins to overall water transport in deep roots accessed via caves. Annual Meeting of Ecological Society of America, Memphis TN, August.

Pockman, W.T, E.E. Small and S.L. Collins. 2006. Impact of precipitation extremes and variability on productivity across a semiarid grassland–shrubland transition in New Mexico. Annual PI Workshop, Program for Ecosystem Research, U.S. Department of Energy, May.

McDowell, N., W.T. Pockman, E. Yepez and J. Plaut. 2006. Hydraulic mechanisms of survival and mortality during drought in piñon–juniper woodlands of southwestern USA. Annual PI Workshop, Program for Ecosystem Research, U.S. Department of Energy, May.

SINSABAUGH, R.L.

Brandt L., J. King, S. Hobbie, R.L. Sinsabaugh, D. Milchunas and W. Parton. 2006. The role of photodegradation in surface litter decomposition in grassland ecosystems. LTER All Scientists Meeting, Estes Park CO, September 20-23.

Collins S., C. Dahm, M. Litvak, W. Pockman, K. Vanderbilt, R.L. Sinsabaugh, E. Muldavin and B. Wolf. 2006. Sevillet LTER IV: Abiotic pulses and constraints: dynamics and stability in an aridland ecosystem. LTER All Scientists Meeting, Estes Park CO, September 20-23.

Zeglin L, M. Stursova, R.L. Sinsabaugh and S. Collins. 2006. Microbial function and response to N addition in grassland soils. LTER All Scientists Meeting, Estes Park CO, September 20-23.

Sinsabaugh, R.L., S. Collins, C. Crenshaw, L. Green, K. Lipinksi, K.J. Odenback, A. Porras-Alfaro, and M. Stursova. 2006. A fungal loop model for the N cycle of semiarid grassland. LTER All Scientists Meeting, Estes Park CO, September 20-23.

Herrera, J., A. Porras-Alfaro, D.O. Natvig and R.L. Sinsabaugh. 2006. Variation in the endophytic fungal community among different anatomical structures of *Bouteloua gracilis*. Annual meeting of Mycological Society of America, Quebec, Canada, July 29–August 2.

Findlay, S.E.G., R.L. Sinsabaugh, D.R. Zak, G.M. Lovett, K. Smemo andB. Dail. 2006. Increased carbon leaching from soils: Cause and consequence for aquatic ecosystems.Annual Meeting of American Society of Limnology and Oceanography, Victoria, B.C., Canada, June 4-9.

Foley, A.J., M.D. Collins, C. Lauber, R.L. Sinsabaugh, R.K. Neely, and K.A. Kuehn.2006. Effects of litter manipulations on plant decay processes: Dynamics of microbial biomass and extracellular enzymes associated with *Typha angustifolia* litter. Annual Meeting of North American Benthological Society, Anchorage AK, June 15-18.

SMITH, F.A.

Murray, I.W. and F.A. Smith. 2006. Death valley woodrats: A population bending the rules? American Society of Mammalogists Annual Meeting, Amherst MA, June 17-21.

SNELL, H.L.

Bateman, H.L, A. Chung-MacCoubrey and H.L. Snell. 2006. Lizard abundance in restored bosque: Evaluating impacts of non-native plant removal. Department of Biology, The University of New Mexico, 15th Annual Research Day, April 7.

TAKACS-VESBACH, C.D.

Hall, J.R., O. Jackson-Weaver, K. Mitchell and C.D. Takacs-Vesbach. 2006. Diversity and Distribution of Microbial Ecotypes Along a Thermal Gradient.Poster Presentation. Society for the Advancement of Chicanos and Native Americans in Science Annual Conference: Tampa, Florida. October 27, 2006.

Zeglin L.H., C.D. Vesbach, M.D. Bobb, C.N. Dahm, J.E. Barrett and M.N. Gooseff.2006. Biological, physical and nutrient gradients in near-stream hydrologic margins of hot and cold deserts. Long-Term Ecological Research Program All Scientists Meeting, Estes Park CO, September 20-23.

Zeglin L.H., C.D. Vesbach, M.D. Bobb, C.N. Dahm, J.E. Barrett and M.N. Gooseff. 2006. Biological and physical gradients in near-stream hydrologic margins of hot and cold deserts. Sevilleta LTER Summer Seminar Series, Socorro NM, June.

Vesbach C. D., L.H. Zeglin, M.D. Bobb, C.N. Dahm, J.E. Barrett and M.N. Gooseff. 2006. Biological and physical gradients in near-stream hydrologic margins of hot and cold deserts. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 4-9.

Hall, J.R., O. Jackson-Weaver and C.D. Takacs-Vesbach. 2006. Diversity and distribution of major metabolic pathways of thermophilic bacteria along a thermal gradient. American Society for Microbiology General Meeting, Orlando FL, May 25.

Hall, J.R., K.R. Mitchell, O. Jackson-Weaver, M. Bobb, L. Zeglin and C.D. Takacs-Vesbach. 2006. Diversity and distribution of microbial ecotypes along a thermal gradient. 15th Annual Research Day, Department of Biology, UNM, April 7.

Ryan, G.T., J. Hall and C.D. Takacs-Vesbach. 2006. Analysis of unique bacterial cultures from permanently ice-covered Lake Fryxell, McMurdo Dry Valley, Antarctica. 15th Annual Research Day, Department of Biology, UNM, April 7.

Jackson-Weaver, O., K. Mitchell and C.D. Takacs-Vesbach. 2006. Evaluation of microbial dispersal and isolation within the Yellowstone Thermal Ecosystem. 15th Annual Research Day, Department of Biology, UNM, April 7.

Jackson-Weaver, O., K. Mitchell and C.D. Takacs-Vesbach. 2006. Evaluation of microbial dispersal and isolation within the Yellowstone Thermal Ecosystem. American Society for Microbiology General Meeting, Orlando FL, May 25.

THORNHILL, R.

Three abstracts for Human Behavior and Evolution Society 18th Annual Meeting, University of Pennsylvania, Philadelphia, PA, June 7-11.

TURNER, T.F.

Peters, M.B. 2006. Genetic variation in the endangered Gila trout. 15th Annual Research Day, Department of Biology, The University of New Mexico, April 7.

Wilson, W.D. and T.F. Turner. 2006. Comparison of MHC class II b sequence between species of Pacific trout and salmon. 15th Annual Research Day, Department of Biology, The University of New Mexico, April 7.

Turner, T.F. and M.J. Osborne. 2006. "Temporary" population structure and its importance for evolution of freshwater fishes: Examples from the American Southwest. Joint Meeting of Ichthyologists and Herpetologists, New Orleans LA, July 12-17.

Moyer, G.R., T.F. Turner and M.J. Osborne. 2006. How did the plain's minnow replace the Rio Grande silvery minnow in the Pecos river? Desert Fishes Council, Death Valley CA, November 16-19.

Osborne, M.J. and T.F. Turner. 2006. Baseline genetic survey of the Pecos bluntnose shiner. Desert Fishes Council, Death Valley CA, November 16-19.

Osborne, M.J. and T.F. Turner. 2006. Long-term genetic studies in the Rio Grande silvery minnow: An examination of effects of population decline and supportive breeding. Desert Fishes Council, Death Valley CA, November 16-19.

WAIDE, R.B.

Vaughan, H.H., R.B. Waide, J.M. Maass and E. Ezcurra. 2006. Developing and delivering scientific information in response to emerging needs. Ecological Society of America, Merida, Yucatan, Mexico, January.

McOwiti, T., R. Waide and Long Term Ecological Research (LTER) Network Office Staff. 2006. The LTER Network Office. LTER All Scientists Meetings, Estes Park CO, September 20-23.

McOwiti, T. and R. Waide. 2006. Network research and education. LTER All Scientists Meetings, LTER All Scientists Meetings, Estes Park CO, September 20-23.

Lugo, A., C. Pringle, F. Scatena, J. Zimmerman, N. Brokaw, R. Waide, W. Silver and W. McDowell. 2006. The Luquillo LTER Program. LTER All Scientists Meetings, Estes Park CO, September 20-23.

Canham, C., D. Lodge, J. Zimmerman, J. Thompson, M. Uriarte, N. Brokaw and R. Waide. 2006. The Luquillo Forest dynamics plot. LTER All Scientists Meetings, Estes Park CO, September 20-23.

Richardson, B., D. Lodge, G. Gonzalez, R. Waide, S. Cantrell, W. Silver and W. McDowell. 2006. Climate, biota and ecosystem processes along an elevation gradient in Puerto Rico. LTER All Scientists Meetings, Estes Park CO, September 20-23.

WERNER-WASHBURNE, M.

Roy, S., T. Lane and M. Werner-Washburne. 2006. RNSim: A simulator for Gene Regulatory Networks. Center for Evolutionary and Theoretical Immunology (CETI) Meeting, Albuquerque NM, April 27-29.

WOLF, B.O.

Gilman, C. and B.O. Wolf. 2006. Lizards, eggs, and ultrasound: testing the efficacy of quantifying reproductive effort in squamate reptiles using portable ultrasonography. Annual Meeting of the Society for Integrative and Comparative Biology, Orlando FL, January 4-8.

Mathiasen, C. C., C. A. Gilman and B.O. Wolf. 2006. Portable ultrasonography—Developing a non-invasive technique to quantify reproductive effort in small mammals. Annual Meeting of the Society for Integrative and Comparative Biology, Orlando FL, January 4-8.

Gilman, C. and B.O. Wolf. 2006. Lizards, eggs, and ultrasound: testing the efficacy of quantifying reproductive effort in squamate reptiles using portable ultrasonography. 2006 Research Day, Department of Biology, UNM, April 7.

Gilman, C. and B.O. Wolf. 2006. Lizards, eggs, and ultrasound: testing the efficacy of quantifying reproductive effort in squamate reptiles using portable ultrasonography. Joint Meeting of Ichthyologists and Herpetologists, New Orleans LA, July 12-17.

Lease, H.M. and B.O. Wolf. 2006. Interspecific exoskeletal and energy reserve allometry of arthropods. "Comparative Physiology 2006: Integrating Diversity," American Physiological Society Conference, Virginia Beach VA, October.

Orr, T.J. and B.O. Wolf. 2006. Rodents and cacti—A stable isotope investigation of a key plant functional group and its rodent consumers. 2006 Research Day, Department of Biology, UNM, April 7.

Orr, T.J. and B.O. Wolf. 2006. Rodents and cacti—A stable isotope investigation of a key plant functional group and its rodent consumers. 91st Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

Dimas, M.V., T.J. Orr, B.O. Wolf and W.L. Gannon. 2006. Is nitrogen enriched between parasites and host? *Neotoma albigula* and bot flies (*Cuerebra* sp.): An empirical test of nitrogen enrichment in food webs. 91st Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

Orr, T.J. and B.O. Wolf. 2006. Seasonal variation of carbon and nitrogen isotopes in a Sonoran desert rodent community. Annual Meeting of the American Society of Mammalogists, Amherst MA, June 17-21.

Warne, R., D. Lightfoot and B.O. Wolf. 2006. Lizard life history strategies and population dynamics under a regime of pulsed resources. Annual Meeting of the Society for Integrative and Comparative Biology, Orlando FL, January 4-8.

Pershall, A.D., R. Warne, C. Mathiasen and B.O. Wolf. 2006. Quantifying the importance of seasonal resource pulses to a small mammal community and influence of these pulses on consumer population dynamics through stable isotope analysis. Sevilleta Long Term Ecological Research (LTER) Research Symposium, Socorro NM, March 9.

Warne, R., A.D. Pershall and B.O. Wolf. 2006. Coupling consumer dynamics to abiotic drivers and ecosystem productivity: Lizard communities at the Sevilleta NWR. Sevilleta Long Term Ecological Research (LTER) Research Symposium, Socorro NM, March 9.

Warne, R., Pershall, A. D., and B.O. Wolf. Coupling consumer dynamics to abiotic drivers and ecosystem productivity: Lizard communities at the Sevilleta NWR. UNM Biology Research Day, April 7, 2006.

Warne, R., A. Pershall and B. O. Wolf. 2006. Quantifying the resource dynamics of a Sevilleta LTER lizard community: Coupling abiotic drivers and ecosystem productivity. LTER All Scientist Meeting, Estes CO, September 20-24.

J. Other.

DUSZYNSKI, D.W.

Continued scholarly work on the Coccidia of the World, both publishing and our web pages (http://biology.unm.edu/biology/coccidia/home.html)

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 2006.

COLLINS, S.L.

"Enabling Distributed Network Sensing of Arid Ecosystem Adaptation Resulting from Global Climate Change"; S.L. Collins and L. Bettencourt, PIs, A. Hagberg, A. Aceves and G. Huerta, co-PIs; UNM–Los Alamos National Laboratory, $90,000, June 1, 2006–August 31, 2007.

"Ecosystem Consequences of Precipitation Variability and Extremes in Semiarid Grassland and Shrubland"; S.L. Collins, PI; U.S. Department of Energy; $363,347, three years requested. Pending.

"Re-establishment of Native Vegetation on Arid Lands: Effects of Fire Seasonality on Chihuahuan Desert Grasslands"; S.L. Collins, PI; U.S. Forest Service–Joint Fire Science Program; $232,066, three years requested. Pending.

COOK, J.A.

"Genetic Footprints of Expansion: Signals for Refugia in Amazonia and Boreal North America"; J.A. Cook, PI; National Science Foundation; $604,891 (submitted January 2005; declined).

"Tracking Pathogens Across the Crossroads of the Northern Continents"; J.A. Cook. PI; National Institutes of Health; $1.7M (declined).

"Beringia Coevolution Project"; J.A. Cook, PI; REU-II Supplement, National Science Foundation; $15,000, February 15, 2006–December 31, 2007.

"Molecular Genetics of Endemics" Supplement; J.A. Cook, PI; U.S. Fish and Wildlife Service, Juneau AK; $40,000, ongoing until December 2008.

"Inventory and Monitoring of Small Mammals" Supplement; J.A. Cook, PI; USDA Forest Service, Tongass National Forest, $10,000, ongoing to December 2010.

"Training in Hantavirus Ecology, Virology and Clinical Investigation in the Americas" (1st year); G. Mertz (School of Medicine, UNM), PI; Fogarty International Training Grant, National Institutes of Health 2 D43 TW001133-06A1; $126,400, July 1, 1999–March 31, 2011.

CRIPPS, R.M.

"Control of Cardiac Specification and Differentiation by the NK Homeodomain Protein Tinman"; R. M. Cripps, PI; National Center Research Program: Established Investigator Award, American Heart Association; $500,000, January 1, 2007–December 31, 2011, $100,000/year.

"Hox Genes and the Patterning of the Dorsal Vessel"; Kathryn M. Ryan, PI, R.M. Cripps, co-PI; Pacific Mountain Affiliate, American Heart Association; $24,000, January 1–December 31, 2007.

DAHM, C.N.

"Collaborative Research: 'Continental Smokers': Deep Earth Degassing, Carbon Flux, Geomicrobiology, and Water Quality in Extensional Continental Regimes"; L.J. Crossey, C. Takacs-Vesbach, T. Fischer, K. Karlstrom and C.N. Dahm, PIs; National Science Foundation; $1,200,723, September 1, 2006–August 31, 2009.

"Sevilleta Long Term Ecological Research (LTER) IV: Abiotic Pulses and Constraints: Effects on Dynamics and Stability in an Aridland Ecosystem"; S.C. Collins, K. Vanderbilt, M. Litvak, W. Pockman and C.N. Dahm, PIs; National Science Foundation; $4,920,000, January 15, 2007–January 14, 2013. (Recommended and awaiting award notification.)

DUSZYNSKI, D.W.

"Seed Money for Startup of the Msb Publication Series"; D.W. Duszynski, PI; Vice President for Research Office, UNM; $3,000.

"New Ceiling Lighting in the Dry Collection of the Mammal and Bird Divisions of MSB"; D.W. Duszynski, PI; Facilities Planning, UNM; $3,000.

"Installation of New Dome Fan (ER-3) on the Roof to So That Exhaust of the Hood Above the Kettle in the Dirty Prep Lab (Room 237) Could Finally Draw and Circulate Air Properly and Could Be Certified by SHEA"; D.W. Duszynski, PI; Facilities Planning, UNM; $9,500.

Working with Ralph Alires (Physical Plant Department Area 4), corrected all of the ducting in five laboratories (varying from 8.5 inch to 6 inch to 5.5 inch to 4 inch) to a uniform size (4 inch) so that FUMEX point-exhaust arms can be properly installed, $1,500.

Working with Joe Brawley, secured funding from UNM to purchase, fix, repair, correct, and complete the majority of health and safety issues identified to the administration in my October 25, 2005 memo, $200,000.

HANSON, D.T.

"Oxygen Channels in Cell Membranes: a New Role for Aquaporins?"; D.T. Hanson and R. Kaldenhoff, PIs; Human Frontiers in Science Program; $750,000 ($375,000 to UNM), January 1, 2007–December 31, 2009.

"Integrated Bioenergy Processing System for Productive Use of NM Dairy Industry Waste Streams"; R. Pate, P. Pohl, K. Hoodenpyle, D. Hanson, V. Cabrera, S. Deng, PIs; New Mexico Technology Research Collaborative; $350,000 ($102,000 to UNM), February 15, 2007– June 31, 2008.

"The N Cycle in Semi-arid Grasslands: A Fungal Loop?"; R.L. Sinsabaugh, PI, S.L. Collins, D.T Hanson, M. Allen, co-PIs; Ecosystem Science, National Science Foundation; $778,584, July 1, 2006–June 30, 2009.

"The N cycle in semi-arid grasslands: A fungal loop?"; R.L. Sinsabaugh, PI, S.L. Collins, D.T. Hanson, M. Allen, co-PIs; Ecosystem Science, National Science Foundation; $645,247, January 1, 2007–December 30, 2009.

"Collaborative Research: Ecophysiological Traits and Carbon Cycle Impacts of Earliest Land Plants"; D.T. Hanson, PI, L. Graham, E. Waters and M. Cook, co-PIs; Integrative Organismal Biology Environmental and Structural Systems Cluster, National Science Foundation; $166,860 (UNM), January 1, 2007–December 30, 2009.

"Collaborative Research: Oxygen-18 in CO_2: Linking the Carbon and Water Cycles from Plastid to the Planet"; D.T. Hanson, PI, D. Noone(University of Colorado [lead institution], N. McDowell (UNM/LANL), B. Helliker (University of Pennsylvania), W. Riley (LNL), J. Randerson, (UCI), C. Still (University of California–Santa Barbara), co-PIs; Carbon and Water in the Earth System, National Science Foundation; $2.5 million ($691,723 UNM), January 1, 2007–December 31, 2011.

"Light Enhanced ^{13}c Enrichment of Dark Respired CO_2: Implications for Mesophyll Conductance and Leaf Respiration in the Light"; D.T. Hanson, PI; Integrative Organismal

Biology Environmental and Structural Systems Cluster, National Science Foundation; $461,528, July 1, 2006–June 30, 2009.

"The Role of Aquaporins in Mediating Photosynthetic Responses to Drought"; D.T. Hanson and N. McDowell, PIs; LANL–UNM Memorandum of Understanding; $89,999 ($64,299 UNM), May 16, 2006–May 15, 2007.

"The Eco-physiology of Freezing in North and South American Larrea spp."; D.T. Hanson, PI, W.T. Pockman, co-PI; Integrative Organismal Biology Environmental and Structural Systems Cluster, National Science Foundation; $272,928, July 1, 2006–June 30, 2009.

"Collaborative Research: Linking Energy and Materials through Metabolism: from Organelles to Ecosystems"; D.T. Hanson, PI, J. Gillooly (University of Florida [lead institution]), A. Allen (University of California–Santa Barbara), co-PIs; Integrative Organismal Biology Environmental and Structural Systems Cluster, National Science Foundation; $372,430 ($132,019 UNM), July 1, 2006–June 30, 2009.

HOFKIN, B.V.

"Mosquito Feeding Patterns in Bernalillo County, NM: Implications for the Transmission of West Nile Virus to Horses"; B.V. Hofkin, PI; New Mexico Horse Council; $4,400.

"Mosquito Feeding Patterns in Bernalillo County, NM: Implications for the Transmission of West Nile Virus to Humans and Horses"; B.V. Hofkin, PI; Research Allocation Committee, UNM; $4,000.

"The Impact of Bosque Restoration on the Abundance of Mosquitoes and Mollusks of Veterinary and Medical Importance: Implications for Changing Patterns of Disease Transmission"; B.V. Hofkin, PI; Rio Grande Bosque Initiative; $44,364.

KODRIC-BROWN, A.

"Evolution of Reproductive Isolation in *Cyprinodon*"; A. Kodric-Brown, PI; National Science Foundation REU supplement; $6,000, May 15–August 15 2006.

"Isotopic Signatures of Two Species of *Gambusia*; A. Kodric-Brown, PI, D. Swenton, co-PI; Share with Wildlife, N.M. Game and Fish, $4,000, 2006–07.

LITVAK, M.E.

"Woody Plant Encroachment into Karst Terrain: Implications for Regional Cycles of Carbon, Water and Energy"; M.E. Litvak, PI, James Heilman, Keith Owens, and Kevin McInnes (Texas A&M University), co-PIs; National Institute for Climate Change Research, Department of Energy; $395,000, August 2007–July 2010. (Funded)

"Quantifying the Role of Summer Vs. Winter Precipitation on Carbon Uptake of Montane Forests"; M.E. Litvak, PI (subcontract to David Brookshire in the Economics Department, UNM); Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA), National Science Foundation; $80,000, June 2006–December 2007.

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, PIs; U.S. Forest Service; $67,000, July 2006–September 2007.

"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 (+ 17 non-signatory co-PIs), co-PIs; Long Term Ecological Research Program, Division of Environmental Biology, National Science Foundation; $5,040,000, October 1, 2006–September 30, 2011.

"Quantifying Biological Controls over Carbon and Water Dynamics in a C3/C4 Grassland Undergoing Transition to a C3 Woodland"; M.E. Litvak, PI; National Institute of Climate Change Research; $323,746, September 1, 2006–August 30, 2009.

" 'Continental Smokers': Deep Earth Degassing, Carbon Flux, Geomicrobiology, and Water Quality in Extensional Continental Regimes"; L. Crossey, PI, M.E Litvak, co-PI; Carbon and Water Program, National Science Foundation; $1,000,000, October 1, 2006–September 30, 2009.

"Mechanisms Controlling the Coupling of Precipitation Dynamics and Carbon Storage in Warm North American Deserts"; M. Pullin, PI, M.E. Litvak, co-PI; Carbon and Water Program, National Science Foundation; $2,194,620, October 1, 2006–September 30, 2009.

"Climatic and Structural Controls on Carbon Exchange in a Key Savanna Ecosystem of the U.S."; A. Thijs, PI, C. Hawkes, M.E. Litvak, co-PIs; Doctoral Dissertation Improvement Award Research, National Science Foundation; $11,997, June 1, 2007–May 31, 2009.

"*Bothriochloa ischaemum* Invasion Impacts on Belowground Carbon Inputs in Texas Savanna Ecosystems"; T. Basham, PI, C. Hawkes, M.E. Litvak, co-PIs; Doctoral Dissertation Improvement Award Research, National Science Foundation; $11,700, June 1, 2007–May 31, 2009.

LOKER, E.S.

"UNM Main Campus Animal Care Facility Renovation and Improvement"; E.S. Loker, PI; National Center for Research Resources, National Institutes of Health; $700,000, January 1-31, 2007.

LOWREY, T.K.

"REVSYS: Systematic revision of Pteronia (Asteraceae) in southern Africa"; T.K. Lowrey, PI; Revisionary Studies in Systematics Program, National Science Foundation; $434,664.

MARSHALL, D.L.

"Influence of *Gloms mosseae* Fungi on Growth and Uptake of Phosphorus and Arsenic of Robinia Pseudoacacia Plants with Arsenic Contaminated Irrigation Water"; D.L. Marshall, PI, Amira El-kady, co-PI; U.S.–Egypt Joint Science and Technology Board; $60,000, June 1, 2007–May 31, 2009.

MILLER, R.D.

"Marsupial Model of Early Immune Development"; R.D. Miller, PI; National Institutes of Health; $1,125,000, December 1, 2006–November 30, 2011 (proposed). The above proposal received a priority score of 192 and will be resubmitted for the March 2007 deadline.

"Marsupial Immunobiology"; R.D. Miller, PI; National Science Foundation; $856,276, February 1, 2007–January 31, 2011 (proposed). The above proposal received a rating of Outstanding by the panel and is expected to be funded with a 2007 start date.

MILNE, B.T.

"Tree Ringlets: Time- and Space-dependent Tree Growth in Strahler Stream Networks"; B.T. Milne, PI; National Science Foundation; $358,322, January 1, 2007–December 31, 2009. (Declined)

"International Consortium for Complex Systems Science"; V.M. Kenkre, PI, B.T. Milne, Co-PI; Pre-proposal, National Science Foundation; $2,500,000, 2007–2012. (Declined)

NELSON, M.A.

"Fungal Phylogenetics"; M. Werner-Washburne, PI, M.A. Nelson, Co-PI; UNM–Los Alamos National Laboratory.

POCKMAN, W.T.

"Sevilleta Long Term Ecological Research IV: Long Term Ecological Research in a Biome Transition Zone"; S.L. Collins, PI, C.N. Dahm, R.R. Parmenter, W.T. Pockman, B.O. Wolf and T.L. Yates, co-PIs (+ 17 non-signatory co-PIs); NSF-DEB, LTER Program; $5,040,000, October 1, 2006–September 30, 2012.

POE, S.

"Collaborative Research: Comparative Study of Adaptive Radiation and Evolutionary Diversification in Mainland and West Indian *Anolis* Lizards"; S. Poe, PI; National Science Foundation; $197,000. (declined)

"Career: Tests of Operational Methods for Species Delimitation Using *Anolis* Lizards: Research and Training in Integrative Taxonomy"; S. Poe, PI; National Science Foundation; $550,000. (declined)

SINSABAUGH, R.L.

"Fungal Loop Model for the Nitrogen Cycle of a Semi-arid Grassland"; R.L. Sinsabaugh, S. Collins, M. Allen and D. Hanson, PIs; NSF Ecosystem Science; $570,000, July 2006–July 2009.

"Mechanics of Soil Carbon Sequestration by Nitrogen"; R.L. Sinsabaugh, D.R. Zak and D.L. Moorhead, PIs; U.S. Department of Energy Carbon Sequestration Program; $600,000, September 2006–September 2009.

TAKACS-VESBACH, C.D.

"Application of Molecular Techniques to the Study of Microbial Biofilms"; C.D. Takacs-Vesbach, PI; Sandia National Labs and UNM; $40,000, October 1, 2006–September 30, 2007.

TURNER, T.F.

"Bosque/River Food Web Interactions During Dry-down Periods in the Middle Rio Grande"; T.F. Turner, PI, A. Burdett, Co-PI; U.S. Fish & Wildlife Service, Middle Rio Grande Bosque Improvement Initiative; $24,917, January 1, 2007–December 31, 2008, $24,917/year. Status: pending.

"Improvements to the Museum of Southwestern Biology (MSB) Fish Collection, Phase II: Curating, Integrating, and Georeferencing Three Regional Fish Collections"; T.F. Turner, PI, A. Snyder, S. Platania, S. Ross and D. Propst, coPIs; National Science Foundation; $243,676, May 1, 2007–April 30, 2010, $90,000/year. Status: declined.

"REU Supplement CAREER:Museum-based Approaches to Ecology and Evolution of Aquatic Systems:An Integrated Research and Educational Program"; T.F. Turner, PI; National Science Foundation; $6,000, May 1, 2006—April 30, 2010, $6,000/year. Status: awarded.

"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 & Wildlife Service, Department of the Interior; $100,000, September 21, 2006–August 30, 2008, $50,000/year.

WERNER-WASHBURNE, M.

"Genomic Analysis of Vegetative Quiescence in Yeast"; M. Werner-Washburne, PI; National Institutes of Health; $2,095,671 for four years.

"The Biogenesis and Survival of Vegetative Quiescent Cells in Yeast"; M. Werner-Washburne, PI; National Science Foundation; $470,000 for three years (funding pending).

WOLF, B.O.

"Measuring the Carbon Isotope Ratios of Animal 'Breath' CO_2 in Real-time in the Field; the Campbell Scientific TGA100—A Tool for Looking at Biological Processes Across Multiple Levels of Integration"; B.O. Wolf, PI; Small Grant for Exploratory Research (SGER) pre-proposal, National Science Foundation; $199,943 (not funded).

2. **Awarded with 2006 initial start date.**

BROWN, J.H.

"Program in Interdisciplinary Biological and Biomedical Sciences"; J.H. Brown, PI, F.A. Smith, co-PI; Howard Hughes Medical Institute 56005678; $1,000,000, January 1, 2006–December 31, 2008.

"A Biologically Motivated Scaling Theory"; J.H. Brown, PI, S. Forrest, co-PI; Collaborative Research, NSF; $80,000, September 1, 2006–June 30, 2008.

COLLINS, S.L.

"Sevilleta LTER IV: Abiotic Pulses and Constraints: Effects on Dynamics and Stability in an Aridland Ecosystem"; S.L. Collins, PI, C.N. Dahm, M. Litvak, W.T. Pockman and K. Vanderbilt, co-PIs; NSF; $4,920,000, November 1, 2006–October 31, 2012.

"Track 1, GK–12: E-MRGE: Ecohydrogeology in the Middle Rio Grande Environment"; S.L. Collins, PI, L. Crossey and D. Earick, coPIs; NSF; $1,663,165, May 1, 2006–April 30, 2009.

"Enabling Distributed Network Sensing of Arid Ecosystem Adaptation Resulting from Global Climate Change"; S.L. Collins and L. Bettencourt, PIs, A. Hagberg, A. Aceves and G. Huerta, co-PIs; UNM–Los Alamos National Laboratory, $90,000, June 1, 2006–August 31, 2007.

"Sevilleta Long-term Ecological Research (LTER) Program"; S.L. Collins, PI, W.T. Pockman, B.O. Wolf, J.R. Gosz, D. Peters and R.R. Parmenter, co-PIs; NSF; 2006 supplement, $90,000.

COOK, J.A.

"Beringia Coevolution Project"; J.A. Cook, PI; REU-II Supplement, National Science Foundation; $15,000, February 15, 2006–December 31, 2007.

"Molecular Genetics of Endemics" Supplement; J.A. Cook, PI; U.S. Fish and Wildlife Service, Juneau AK; $40,000, ongoing until December 2008.

"Inventory and Monitoring of Small Mammals" Supplement; J.A. Cook, PI; USDA Forest Service, Tongass National Forest, $10,000, ongoing to December 2010.

"Training in Hantavirus Ecology, Virology and Clinical Investigation in the Americas" (1st year); G. Mertz (School of Medicine, UNM), PI; Fogarty International Training Grant, National Institutes of Health 2 D43 TW001133-06A1; $126,400, July 1, 1999–March 31, 2011.

CRIPPS, R.M.

"Genetic Regulation of Muscle Fiber Diversity"; R.M. Cripps, PI; National Institute of General Medical Sciences (NIGMS), National Institutes of Health; $1,361,667, May 1, 2006–April 30, 2011, $267,233/year.

DAHM, C.N.

"Evapotranspiration, Water Tables, Diel Fluctuations, Flow Fields, and Riparian Zone (Bosque) Restoration"; C.N. Dahm, PI; U.S. Army Corps of Engineers Urban Flood Demonstration Program; $61,714, August 1, 2006–July 31, 2007.

DUSZYNSKI, D.W.

"Seed Money for Startup of the Msb Publication Series"; D.W. Duszynski, PI; Vice President for Research Office, UNM; $3,000.

"New Ceiling Lighting in the Dry Collection of the Mammal and Bird Divisions of MSB"; D.W. Duszynski, PI; Facilities Planning, UNM; $3,000.

"Installation of New Dome Fan (ER-3) on the Roof to So That Exhaust of the Hood Above the Kettle in the Dirty Prep Lab (Room 237) Could Finally Draw and Circulate Air Properly and Could Be Certified by SHEA"; D.W. Duszynski, PI; Facilities Planning, UNM; $9,500.

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Working with Joe Brawley, secured funding from UNM to purchase, fix, repair, correct, and complete the majority of health and safety issues identified to the administration in my October 25, 2005 memo, $200,000.

HANSON, D.T.

"PEPC Activity in C_3 Plants"; D.T. Hanson, PI; Research Allocation Committee, UNM; $4,000, September 1, 2006–August 31, 2007.

HOFKIN, B.V.

"Mosquito Feeding Patterns in Bernalillo County, NM: Implications for the Transmission of West Nile Virus to Horses"; B.V. Hofkin, PI; New Mexico Horse Council; $4,400.

"Mosquito Feeding Patterns in Bernalillo County, NM: Implications for the Transmission of West Nile Virus to Humans and Horses"; B.V. Hofkin, PI; Research Allocation Committee, UNM; $4,000.

KODRIC-BROWN, A.

"Evolution of Reproductive Isolation in *Cyprinodon*"; A. Kodric-Brown, PI; National Science Foundation REU supplement; $6,000, May 15–August 15 2006.

"Isotopic Signatures of Two Species of *Gambusia*; A. Kodric-Brown, PI, D. Swenton, co-PI; Share with Wildlife, N.M. Game and Fish, $4,000, 2006–07.

LITVAK, M.E.

"Quantifying the Role of Summer Vs. Winter Precipitation on Carbon Uptake of Montane Forests"; ??, PI, M.E. Litvak, co-PI (subcontract); Sustainability of semi-Arid Hydrology and Riparian Areas (SAHRA), National Science Foundation; $80,000, June 2006–December 2007.

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, PIs; U.S. Forest Service; $67,000, July 2006–September 2007.

"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 (+ 17 non-signatory co-PIs), co-PIs; Long Term Ecological Research Program, Division of Environmental Biology, National Science Foundation; $5,040,000, October 1, 2006–September 30, 2011.

LOKER, E.S.

"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.

"A Field Guide to the Flora and Fauna of the Middle Rio Grande Bosque" Renewal Award; J.-L. Cartron, PI,D. Lightfoot, S. Brantley, J. Mygatt and T.K. Lowrey, co-PIs; U.S. Fish and Wildlife Service; $40,000, September 15, 2006–September 14, 2007.

MILNE, B.T.

"Sustainability Studies Program"; B.T. Milne, PI; N.M. Legislature; $240,000, FY 2006–2007.

"Biodiesel Processor and Vehicle"; B.T. Milne, PI; N.M. Legislature; $35,000, FY 2006–2007.

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; $27,000, April 30, 2006–May 1, 2008.

NELSON, M.A.

"Undergraduate Biomedical Research Training at UNM"; R. Dasenbrock, PI, M.A. Nelson, Program Director; Minority Access to Research Careers (MARC), National Institutes of Health; $1,740,000, Year 1: $330,186, Year 2: $336,815, Year 3: $346,016, Year 4: $357,814, Year 5: $365,745 (direct plus indirect costs), June 1, 2006–May 31, 2011.

POCKMAN, W.T.

"Sevilleta Long Term Ecological Research IV: Long Term Ecological Research in a Biome Transition Zone"; S.L. Collins, PI, C.N. Dahm, R.R. Parmenter, W.T. Pockman, B.O. Wolf and T.L. Yates, co-PIs (+ 17 non-signatory co-PIs); NSF-DEB, LTER Program; $5,040,000, October 1, 2006–September 30, 2012.

"Causes and Consequences of Drought-induced Mortality in Piñon–Juniper Woodland"; N.G. McDowell and W.T. Pockman, PIs; U.S. Department of Energy Program of Ecosystem Research; $1,754,993, UNM subcontract $782,131, January 1, 2006–December 31, 2008.

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; NSF Ecosystem Science; $570,359, July 2006–July 2009.

"Characterization of Fungal Symbionts of Arid Grasses," A Research Opportunity Award supplement to "The Nitrogen Cycle of a Semi-arid Grassland: aFungal Loop?"; R.L. Sinsabaugh, PI; NSF Ecosystems Science, $24,000 (to support J. Herrera, Visiting Scientist, Truman State University), March–July 2006.

SMITH, F.A.

"Interdisciplinary Biomedical Sciences (PIBS): Applications of Mathematics, Physics and Computer Science for Investigating the Structure and Dymanics of Complex Biological Systems"; J.H. Brown, PI, F.A. Smith, S. Forrest and V.M. Kenkre, co-PIs; Howard Hughes Medical Institute; $1,000,000, January 2006–December 2008.

"Research Coordination Network: Integrating Macroecological Pattern and Processes Across Scales"; F.A. Smith, PI, S.K.M. Ernest and S.K. Lyons, co-PIs; National Science Foundation; $490,000, July 2006–June 2011.

SNELL, H.L.

"Linking People with New Mexico's Amphibians and Reptiles"; H.L. Snell and J.T. Giermakowski, PIs; N.M. Department of Game & Fish Share With Wildlife Program; $14,977, January–July 2006, $14,000.

TAKACS-VESBACH, C.D.

"Application of Molecular Techniques to the Study of Microbial Biofilms"; C.D. Takacs-Vesbach, PI; Sandia National Labs and UNM; $40,000, October 1, 2006–September 30, 2007.

TURNER, T.F.

"REU Supplement CAREER:Museum-based Approaches to Ecology and Evolution of Aquatic Systems:An Integrated Research and Educational Program"; T.F. Turner, PI; National Science Foundation; $6,000, May 1, 2006—April 30, 2010, $6,000/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 & Wildlife Service, Department of the Interior; $100,000, September 21, 2006–August 30, 2008, $50,000/year.

WAIDE, R.B.

"Promoting Synthesis in the LTER Network"; R.B. Waide, PI; Supplement to the Long Term Ecological Research (LTER) Network Cooperative Agreement, National Science Foundation; $150,000, October 1, 2006–February 29, 2009.

"A Proposal for Travel Support to the 2006 LTER All Scientists Meeting"; R.B. Waide, PI; Supplement to the Long Term Ecological Research (LTER) Network Cooperative Agreement, National Science Foundation; $293,755, May 1, 2006–February 29, 2009.

3. **In force from previous years.**

ALTENBACH, J.S.

"Evaluation of Abandoned Mines in New Mexico for Bat Use and Bat Habitat"; J.S. Altenbach, PI; New Mexico Energy Minerals and Natural Resources, Abandoned Mile Lands Bureau; $60,000, July 1, 2005–June 30, 2008.

BARTON, L.L.

"Algal Growth of Selected Streams and Rivers in New Mexico"; L.L. Barton, PI; N.M. Environment Department; $20,000, September 15, 2005–December 31, 2008.

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.

COLLINS, S.L.

"Sevilleta Long-term Ecological Research (LTER) Program"; S.L. Collins, PI, W.T. Pockman, B.O. Wolf, J.R. Gosz, D. Peters and R.R. Parmenter, co-PIs; NSF; $2,800,000 plus supplements; November 1, 2002–October 31, 2006.

"Preparing the Long-term Ecological Research (LTER) Network for Collaborative Science, Education and Synthesis: A Planning Proposal"; S.L. Collins, PI, B. Benson, D. Childers, A. Whitmer, co-PIs; NSF;$985,461, September 1, 2004–August 30, 2006.

"The Sevilleta Field Research Station: Infrastructure Enhancements for High-quality Water Resources and Wireless Data Transmission"; D.O. Natvig, PI, S.L. Collins, W.T. Pockman, R.R. Parmenter, C.N. Dahm, co-PIs; NSF; $76,270 + $25,424 UNM Match, March 1, 2004–February 28, 2007.

"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–July 14, 2008.

"The Nitrogen Cycle of a Semiarid Grassland: A Fungal Loop?"; R.L. Sinsabaugh, PI, S.L. Collins, M. Allen and D.T. Hanson, co-PIs; National Science Foundation; $120,000, July 1, 2005–June 30, 2006.

"Collaborative Research: Convergence and Contingencies in Savanna Grasslands"; A. Knapp, J. Blair, M. Smith and S.L. Collins, PIs; National Science Foundation; $830,000, UNM portion $60,000, September 1, 2005–August 31, 2008.

"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.

COOK, J.A.

"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.

"Beringia Coevolution Project II" (3rd year); National Science Foundation 0415668; 2004–2007, $165,00/year.

"REU Supplement"; J.A. Cook, PI; National Science Foundation; $15,000, May–December 2006.

"Mammal Inventory of Tongass"; J.A. Cook, PI; USDA Forest Service Pacific Northwest Lab; $49,983, May 2005–July 2010, $24,000/year.

"Inventory and Monitoring of Mammals"; J.A. Cook, PI; NFIM, USDA Forest Service, Tongass National Forest; $29,000, September 2005–September 2006.

"Molecular Genetics of Endemics II"; J.A. Cook, PI; U.S. Fish and Wildlife Service, Juneau; $49,500, September 2005–September 2007, $24,000/year.

"Beringia Coevolution Project II"; J.A. Cook, PI; National Science Foundation, NSF 0415668; $502,713, January 2005–January 2008, $165,000/year.

Idaho State University:
"Undergraduate Mentoring Environmental Biology Program"; J.A. Cook, co-PI, with five Idaho co-PIs; National Science Foundation; $391,000, September 2003–September 2006, $120,000/year.

"Molecular Genetics of Coastal and Insular Mammals"; J.A. Cook, PI; U.S. Fish and Wildlife Service; $39,000, December 2004–September 2007, $20,000/year.

CRIPPS, R.M.

"Genetic Regulation of Muscle Fiber Diversity"; R.M. Cripps, PI; National Institutes of Health; $1,050,000, May 1, 2001–April 30, 2006, $210,000/year.

"Transcriptional Control of Muscle Remodeling in *Drosophila*"; R.M. Cripps; Muscular Dystrophy Association; $237,687, July 1, 2003–June 30, 2006, $79,229/year.

"Genetic Regulation of Cell Fate in the *Drosophila* Heart"; R.M. Cripps, PI; National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health; $1,300,564, April 1, 2005–March 31, 2010, $260,000/year.

CUNNINGHAM, C.

"Evolution of Ikaros: An Essential Transcription Factor for Immunity"; C. Cunningham, PI; Medical University of South Carolina; $15,000, April 1, 2005–March 31, 2006, $15,000.

DAHM, C.N.

"New Mexico Nanotechnology, Education, and Water (NEW);" C.N. Dahm, PI; Experimental Program to Stimulate Competitive Research (EPSCoR) proposal from New Mexico to the National Science Foundation; $6,750,000, May 1, 2005–May 30, 2008.(I direct the ET measurement portion at UNM, which receives $464,677 from the NSF and $408,795 of cost-share from the State of New Mexico and UNM; I also serve as one of the three overall directors of the "Water" portion of this statewide project.)

"Surface Water Quality Study and Continuous Water Quality Monitoring Network for the Middle Rio Grande"; C.N. Dahm, PI; U.S. Fish and Wildlife Service; $102,760, August 8, 2005–August 7, 2007.

"Collaborative Research: Identification of Microbial Signatures in Biogenic Cave Ferromanganese Deposits"; D.E. Northup, L.J. Crossey, C.N. Dahm and M.N. Spilde, PIs; National Science Foundation; $291,644, August 15, 2003–July 31, 2007.

"Nitrate Uptake and Retention in Streams: Mechanisms and Effects of Human Disturbance from Stream Reaches to Landscapes"; C.N. Dahm, PI; subcontract from the University of Tennessee on a National Science Foundation award; $138,751, January 1, 2002–December 31, 2006.

"Sevilleta LTER: Long Term Ecological Research in a Biome Transition Zone"; S.L. Collins, C.N. Dahm, W.T. Pockman, B.O. Wolf, and R Sinsabaugh, PIs; National Science Foundation; $2,100,000, November 1, 2003–October 31, 2006.

"The Sevilleta Research Field Station: Infrastructure Enhancements for High-quality Water Resources and Wireless Data Transmission"; R.R. Parmenter, W.T. Pockman, S.L. Collins and C.N. Dahm, PIs; National Science Foundation; $101,694, December 1, 2004–November 30, 2006.

"Hyporheic Metabolism and Processing of Salmon-derived Organic Matter"; C.N. Dahm and C.L. Crenshaw, PIs; U.S. Forest Service; $20,310, July 19, 2004–July 16, 2008.

"The Effects of Grazing on Nutrient Cycling and Geomorphology in Valles Caldera Streams"; C.N. Dahm, PI; Valles Caldera Trust; $16,027, July 28, 2004–September 30, 2006.

"Effects of Flooding and Nitrogen Availability on Riparian Vegetation in Arid Ecosystems: Mechanisms Driving Non-native Species Invasion"; C.N. Dahm and J.F. Shah, PIs; U.S. Environmental Protection Agency; $23,524, August 1, 2003–July 31, 2006.

HANSON, D.T.

"Biosphere–Atmosphere CO_2 Exchange of Terrestrial Ecosystems: Combining High Resolution Measurements and Models to Understand the Global Atmospheric Carbon Budget"; N. McDowell, W.T. Pockman, D.T. Hanson, J. Randerson, PIs; Institute of Geophysics and Planetary Physics, Los Alamos National Laboratories; $160,000, ($85,000 UNM), October 1, 2004–September 30, 2007, $45,000 in 2005.

"The N Cycle in Semi-arid Grasslands: A Fungal Loop?"; R.L. Sinsabaugh, PI, S.L. Collins, D.T. Hanson, M. Allen, co-PIs; Ecosystem Science, National Science Foundation; $120,000, one-year proof-of-concept funding.

"Inorganic Carbon Usage by the Marine Cyanobacterium *Synechococcus* Wh8102"; D.T. Hanson, PI; Sandia–University Research Program (SURP), Sandia National Laboratories; $40,000, October 1, 2005–August 31, 2006.

"Summer Undergraduate Research Fellowship"; S.S. Monzon, PI (undergrad), D.T. Hanson, co-PI (mentor); American Society of Plant Biologists; $4,000, Summer 2005 and the national meeting in Summer 2006.

KODRIC-BROWN, A.

"Evolution of Reproductive Isolation in Cyprinodon"; A. Kodric-Brown, PI; NSF; $300,000, June 1, 2004–June 30, 2007, $88,725.

"Coexistence Between Two Species of Gambusia" (Daniella Swenton's research); A. Kodric-Brown, PI; N.M. Game and Fish; $12,000, July 1, 2004–June 30, 2007.

LITVAK, M.E.

"Juniper Encroachment on the Edwards Plateau—Changes in Carbon Dynamics in a Key Savanna Ecosystem of the U.S."; M.E Litvak, PI; NASA Globel Change Fellowshipto Ann Thijs; $54,000, September 2005–August 2008.

"Quantifying Changes in Ecosystem Structure and Function Associated with Woody Plant Expansion on the Edwards Plateau"; M.E. Litvak, PI; National Institute of Global Environmental Change; $35,000, September 2004–August 2006.

LOKER, E.S.

"Center of Biomedical Research Excellence (COBRE): Center for Evolutionary and Theoretical Immunology"; E.S. Loker, PI; NIH, National Center for Research Resources, P20 RR018754; $10.1M, September 30, 2003–June 30, 2008.

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.

"Praziquantel Resistance in Egypt: Testing and Use of an *in vitro* Assay"; E.S. Loker, U.S. PI, Dr. Wael Lotfy, Egypt PI; U.S.–Egypt Joint Science and Technology Board, Cairo, Egypt; $60,000, August 1, 2005–July 31, 2007.

LOWREY, T.K.

"A Field Guide to the Flora and Fauna of the Middle Rio Grande Bosque"; J.-L. Cartron, PI,D. Lightfoot, S. Brantley, J. Mygatt and T.K. Lowrey, co-PIs; U.S. Fish and Wildlife Service; $40,000, September 15, 2005–September 14, 2006.

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, 2008.

"Demography, Genetics and Mating System Structure of an Invasive Mustard, *Isatis tinctoria*"; D.L. Marshall, PI and H. Simpson, co-PI; USDA; $90,000, August 1, 2005–July 31, 2007.

MILLER, R.D.

"Structure and Evolution of the MHC in a Model Marsupial"; R.D. Miller, PI; NSF; $420,000, May 1, 2003–April 30, 2007.

"COBRE Center for Evolutionary and Theoretical Immunology";E.S. Loker, PI, and R.D. Miller, co-PI; NIH; $10,572,012, September 30, 2003–June 30, 2008.

MILNE, B.T.

"Collaborative Research: Testing Dynamical Predictions of a Hortonian Scaling Theory for Flood Events on Whitewater Basin, Kansas"; V.K. Gupta and B.T. Milne, PIs; National Science Foundation; $63,359; expires 2007.

NATVIG, D.O.

"The Sevilleta Research Field Station: Infrastructure Enhancements for High-quality Water Resources and Wireless Data Transmission"; W.T. Pockman, PI, S.L. Collins, C.N. Dahm, R.R. Parmenter and D.O. Natvig, co-PIs; National Science Foundation; $76,270, December 1, 2003–November 30, 2006.

NELSON, M.A.

"Functional Analysis of a Model Filamentous Fungus: ESTs"; J. Dunlap (Dartmouth Medical School), PI, M.A. Nelson, co-PI, and PI on Project 4; National Institute of General Medical Sciences (NIGMS) Program Project Grants, National Institutes of Health; Year 3: UNM portion ~$90,000 (direct plus indirect costs), April 1, 2004–March 31, 2009.

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, 2008.

"Impact of Rainfall Variability and Woody Encroachment on Productivity in a Semi-arid Grassland in New Mexico"; W.T. Pockman, PI, and E.E. Small, co-PI; DOE NIGEC; $289,498, September 1, 2003–August 30, 2006.

"The Sevilleta Research Field Station: Infrastructure Enhancements for High-quality Water Resources and Wireless Data Transmission"; R.R. Parmenter, PI, S.L. Collins, C.N. Dahm and W.T. Pockman, co-PIs; NSF Biological Field Stations and Marine Labs; $76,270, December 1, 2003–November 30, 2006.

"Riparian Evapotranspiration: Evaluating the Effectiveness of Restoration Projects through Improved Depletion Predictions"; J. Cleverly, C.N. Dahm and W.T. Pockman, co-PIs; U.S. Fish and Wildlife Service, Endangered Species Workgroup–Science Committee; $714,250, September 2003–August 2006.

"Sevilleta Long Term Ecological Research IV: Long Term Ecological Research in a Biome Transition Zone"; S.L. Collins, PI, C.N. Dahm, R.R. Parmenter, W.T. Pockman B.O. Wolf and T.L. Yates, co-PIs, plus 17 non-signatory co-PIs; NSF DEB, LTER Program; $2,800,000, October 1, 2002–September 30, 2006.

"Biosphere–Atmosphere CO_2 Exchange of Terrestrial Ecosystems: Combining High Resolution Measurements and Models to Understand the Global Atmospheric Carbon Budget"; N. McDowell, W.T. Pockman, D.T. Hanson and J. Randerson, co-PIs; LANL IGPP; $84,924, October 1, 2004–September 30, 2007.

SINSABAUGH, R.L.

"Can We Now Determine If, When, and How Microbial Community Composition Impacts Ecosystem Processes? Will That Understanding Yield Critical New Information about Ecosystem Function and Response to Change?"; J. Schimel, M. Firestone, M. Allen, R.L. Sinsabaugh, J. Neff, B. Bohannan and K. Treseder, co-PIs; National Center for Ecological Analysis and Synthesis; $12,420, January 2004–January 2006.

"Mechanics of Soil Carbon Sequestration by Nitrogen"; R.L. Sinsabaugh, D.R. Zak and D.L. Moorhead, co-PIs; U.S. Department of Energy Carbon Sequestration Program, DE-FG02-00ER62998; $1,250,000. September 2000–September 2006.

"The Nitrogen Cycle of a Semi-arid Grassland: A Fungal Loop?"; R.L. Sinsabaugh, S. Collins, M. Allen and D. Hanson, PIs; National Science Foundation Ecosystem Science DEB 0516113; $120,000, July 2005–July 2006.

SMITH, F.A.

"The Impact of Late Quaternary Climate Change on Mammals along an Elevational Gradient"; F.A. Smith, PI, E.L. Charnov, co-PI; National Science Foundation BIO-DEB-0344620; $315,000, April 2004–March 2008.

SNELL, H.L.

"Development of a Distributed Information Network of North American Herpetological Databases"; H.L. Snell, PI; NSF subcontract from University of Kansas; $30,734, October 2005–October 2006, Year 1: $5,000, Year 2: $25,734.

"Program of Collaboration in Conservation Biology"; H.L. Snell, PI; Charles Darwin Foundation, Galápagos, Ecuador; $300,000, May 15, 2001–May 15 2006.

"Control Total de Especies Introducidas en Las Islas Galápagos"; H. Negret, M. Patry,R. Bensted–Smith, H.L. Snell, A. Tye, J. Hernandez, E. Cruz and F. Espinoza, co-PIs;Global Environmental Fund (GEF);$18,000,000, April 2002–September 2006, $3,000,000/year.

TAKACS-VESBACH, C.D.

"Development of Techniques to Track the Dispersal of Microorganisms in the Natural Environment"; C. Takacs-Vesbach, PI; RAC, The University of New Mexico; $3,995, September 2005–September 2006.

"A Microbial Inventory of the Greater Yellowstone Ecosystem Thermal Features"; C. Takacs-Vesbach, PI, A.-L. Reysenbach, co-PI; Biotic Surveys and Inventories, National Science Foundation; $354,359, August 2002–August 2006.

"Collaborative Research: Hydrologic Controls on Near-stream and Near-lake Subsurface Biogeochemical Conditions and Microbial Community Structure and Function in Dry Valleys"; C.D. Takacs-Vesbach, PI; NSF OPP 0338267; $160,747, July 1, 2003–June 30, 2007.

"Collaborative Research: Hydrologic Controls over Biogeochemistry and Microbial Community"; C. Takacs-Vesbach, PI, M. Gooseff (Colorado School of Mines) and J. Barret (Dartmouth) have collaborative grants; Office of Polar Programs, National Science Foundation; $160,747, July 2004–July 2007.

"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.

THORNHILL, R.

"Genetic Conflicts of Interest, Fluctuating Asymmetry and MHC"; S. Gangestad, PI, R. Thornhill, co-PI; NSF; $325,000, August 2002–August 2008.

TURNER, T.F.

"CAREER: Museum-based Approaches to Ecology and Evolution of Aquatic Systems: An Integrated Research and Educational Program"; T.F. Turner, PI; National Science Foundation; $500,000, May 1, 2002–April 30, 2007, $100,000/year.

"Conservation Genetics of the Rio Grande Silvery Minnow (RGSM): Baseline Population Genetics of Wild Stocks and Monitoring Genetic Effects of Captive-propagated Stocks"; T.F. Turner, PI; U.S. Bureau of Reclamation; $450,000, July 1, 2002–September 30, 2006, $114,000/year.

"New Mexico Share-with-Wildlife Program: Baseline Genetic Data for the Threatened Pecos Bluntnose Shiner (*Notropis simus pecosensis*)"; T.F. Turner, PI, and M. Osborne, co-PI; New Mexico Department of Game and Fish, $5,600, January 1, 2006–June 30, 2007, $5,600/year.

"Dissertation Research: Local Adaptation and Gene Flow in a Fragmented Host System: *Crepidostomum farionis* (Digenea) and *Oncorhynchus clarki virginalis* (Salmonidae) in New Mexico"; T.F. Turner, PI, W. Wilson, co-PI; National Science Foundation; $11,958, May 30, 2006–April 30, 2008; $6,000/year.

WAIDE, R.B.

"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, 2009, $1,450,000/year.

"Long-Term Ecological Research in the Luquillo Experimental Forest III"; R.B. Waide, PI; National Science Foundation sub-award from the University of Puerto Rico–Rio Piedras; $75,445, December 1, 2002–November 30, 2006, $18,500/year.

"Long-Term Ecological Research in the Luquillo Experimental Forest IV"; R.B. Waide, PI; National Science Foundation sub-award from the University of Puerto Rico–Rio Piedras; $150,000, December 1, 2006–November 30, 2012; $25,000/year.

"Science Environment for Ecological Knowledge (SEEK)"; W.K. Michener, PI; National Science Foundation; $13,400,000, 2002–2007, $2,700,000/year.

"Characterizing Forest Structure for Assessments of Carbon Cycling and Biodiversity"; R.B. Waide, PI; NASA sub-award from the University of Maryland; $1,221,000; May 2005–April 2007, $46,495/year.

WERNER-WASHBURNE, M.

"Characterization of Quiescent and Non-quiescent Cells from Yeast SP Cultures"; M. Werner–Washburne, PI; NSF; $600,000; July 1, 2004–June 30, 2006.

"Supplement to Compendium Grant for Sonia Santa Anna Career Development Award"; M. Werner–Washburne, PI; $136,000; March 1, 2004–July 1, 2006, $68,000/year (direct costs).

"SACNAS Genomics Program" (for graduate student and faculty fellowships in genomics); M. Werner–Washburne, PI; $1,000,000; September 1, 2004–August 31, 2008, $250,000/year (direct costs)(through Society for Advancement of Chicanos and Native Americans in Science [SACNAS]).

"Compendium of Gene Expression in Stationary-Phase Yeast";M. Werner–Washburne, PI; National Human Genome Research Institute, NIH; $950,000; July 1, 2002–June 30, 2006.

"UNM–Initiatives to Maximize Student Diversity (IMSD)"; M. Werner-Washburne, Co-PI; National Institute of General Medical Sciences (NIGMS), NIH; $2,000,000, February 1, 2005–January 31, 2009, $535,000 per year (direct + indirect costs).

WOLF, B.O.

"Using Portable Ultrasonography to Quantify Life History Traits and Energetic Status of Small Animals in the Field"; B.O. Wolf, PI; Small Grant for Exploratory Research (SGER), Ecological and Evolutionary Physiology Panel, National Science Foundation, IBN-0426764; $50,492, June 1, 2004–November 30, 2006. REU supplements in 2005, $6,000.

"Columnar Cacti: A Critical Resource for Avian Consumers? Quantifying Avian Community Responses and Nutrient Fluxes in Natural and Experimental Settings"; B.O. Wolf, PI; National Science Foundation, Ecology Panel, DEB-0213659; $300,000, September 1, 2002–August 31, 2006. REU supplements in 2003, 2004, 2005, 2006, $30,000.

"Sevilleta LTER VI"; S.L. Collins, PI, C.N. Dahm, R.R. Parmenter, W.T. Pockman, B.O. Wolf and T.L. Yates, co-PIs; National Science Foundation; $2,600,000, October 15, 2002–October 14, 2006.

B. Other.

COUCH, L.

Coccidia research and continued work with Coccidia of the World database and web page (http://biology.unm.edu/biology/coccidia/home.html).

MILNE, B.T.

Organized Scoping Session for Sustainability Initiatives, including UNM Sustainability Studies Program, EcoVersity, David Breeker Associates, UNM Taos, and Northern New Mexico College, June 16.

NATVIG, D.O.

Served as Principal Investigator and coordinator for the $6M award from the U.S. Fish and Wildlife Service to construct the Sevilleta Education and Research Facility.

"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, Palo Alto CA), and D.O. Natvig, PIs.

Continued construction and maintenance of the wireless network connecting to the Internet more than 20 research and webcam sites at the (LTER) Sevilleta National Wildlife Refuge, Socorro NM.

SNELL, H.L.

Worked with the Tierra Grande Owners Association, Belen NM, to survey 15,000 acres of open space for a conservation easement.

Worked with New Mexico Department of Game & Fish on species recovery issues.

WERNER-WASHBURNE, M.

American Academy of Arts and Sciences (AAAS) Fellow, February.

IV. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES.

A. Invited or Plenary Talks at Professional Meetings, Workshops, Etc.

ALTENBACH, J.S.

Presentation of workshop on "Protocol for Evaluation of Abandoned Mines for Bat Occupancy and Habitat" to U.S. Forest Service, Bureau of Land Management, and U.S. Fish and Wildlife Service. Organized by Bat Conservation International, Reno NV, May 8-10.

BARTON, L.L.

Barton, L.L. 2006.Metal stress response in bacteria and stabilization of the metallome. Fifth International Biometals Symposium, Welches OR, July 30–Aug 6.

BROWN, J.H.

Howard Hughes Medical Institute, Chevy Chase, June 26-27.
American Society of Mammalogists, Amherst MA, June 17-20.
Boeing Corporation, June 28.
Gordon Research Conference: Metabolic Basis of Ecology, Lewiston ME, July 9-14.
Nature Conservancy All Scientists Meeting, Sept 27-28.

COLLINS, S.L.

Invited seminar, Department of Botany, 100thAnniversary Research Symposium, Miami University, Oxford OH, April.

Plenary presentation, LTER Network All Scientist Meeting, Estes Park CO, September 20-23.

COOK, J.A.

Hoberg, E. and J. Cook. 2006. A macroevolutionary mosaic: Episodic processes and history of northern faunas. International Workshop on Arctic Parasitology, Calgary AL, Canada, November.

DAHM, C.N.

Invited Talk, "Planning for UNM's Water Future," UNM Student Water Symposium, Albuquerque NM, March 24.

Invited Talk, "Evapotranspiration and the Rio Grande Bosque," First Annual Middle Rio Grande Endangered Species Collaborative Program Symposium, Albuquerque NM, April 11.

Invited Talk, "Interdisciplinary Science: What Do Other Disciplines Offer Benthic Biology," Past-President Address, 54th Annual Meeting of the North American Benthological Society (NABS), Anchorage AK, June 4.

Invited Talk, "Arid Land Rivers of the Southwestern United States—An International Perspective," Lake Eyre Basin Conference, Renmark, Australia, September 7.

Invited Talk, "Gila River Science Forum," UNM Water Forum, Albuquerque NM, October 31.

DUSZYNSKI, D.W.

Invited speaker, International Task Force, UNM, "Tropical Biology: A Small Contribution to 'UNM Goes Global,'" Albuquerque NM, April.

MILLER, R.D.

Melman, S.D., M.L. Baker and R.D. Miller. 2006. On the evolution of MHC class I genes in marsupials. International Society for Developmental and Comparative Immunology (ISDCI), Charleston SC, July 1-6.

SMITH, F.A.

Plenary Talk, "The NSF Review Process from the Perspective of a Panelist/Reviewer," Quality Education of Minorities Network Workshop, National Science Foundation Directorate for Biological Science, Albuquerque NM, March.

"On Being the Right Size—The Influence of Temperature on Mammalian Evolution," Evolutionary Morphology Seminar Series, Committee on Evolutionary Biology, University of Chicago, May.

"The Influence of Late Quaternary Climate Change on Mammalian Evolution," International Conference on Macroecological Tools for Global Change Research, Potsdam Institute for Climate Impact Research, Potsdam, Germany, August.

"Life in an Extreme Environment: The Evolutionary History of *Neotoma* in Death Valley, CA," Symposium on Biotic Response to Global Environmental Change: Analogs for the Future of Life on Earth, Paleontological Society, Philadelphia PA, October.

TURNER, T.F.

Turner, T.F. and M.J. Osborne. 2006. Conservation genetics of the Rio Grande silvery minnow (*Hybognathus amarus*): Genetic monitoring from 1999–2006. Invited Symposium, Middle Rio Grande Endangered Species Act Collaborative Program, The University of New Mexico, Albuquerque NM, April 11.

WERNER-WASHBURNE, M.

Mentoring, National Science Foundation–Quality Education for Minorities (QEM) Workshop, Albuquerque NM, March.

Microarray Analysis for Biological Processes in Yeast, New Mexico Bioinformatics Symposium, Santa Fe NM, March.

Quiescence and Genomics, Southwest Junior Science and Humanities Symposium, Albuquerque NM, March.

WOLF, B.O.

Wolf, B.O., A.E. Mckechnie, R. Warne and C.C. Mathiasen. 2006. The importance of cacti to consumers in a desert food web. The Fifth International Conference on the Application of Stable Isotope Techniques to Ecological Studies, Belfast, Northern Ireland, August 13-18.

B. Contributed Talks at Professional Meetings, Workshops, Etc.

COLLINS, S.L.

Authored or co-authored five presentations at the Annual Meeting of Ecological Society of America, Memphis TN, August 6-11.

One presentation, Science Symposium, Annual Meeting of the Kruger National Park, South Africa, April.

Two research presentations, LTER All Scientist Meeting, Estes Park CO, September 20-23.

COOK, J.A.

Goade, D., R. Nofchissey, C.A. Hope, A. Tsvetkova and J.A. Cook. 2006. Serologic evidence for Hantaviruses in small mammals of the Beringia. 55th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Atlanta GA, November.

Cook, J., E. Hoberg, H. Henttonen, A. Koehler, S. MacDonald, J. Laakkonen, J. Malaney and D. Goade 2006. Model Archives: From Baselines to Research, Surveillance, Communication and Management. International Workshop on Arctic Parasitology, Calgary, AB, Canada, November.

Koehler, A., E. Hoberg and J. Cook. 2006. Phylogeography of a Holarctic nematode, *Soboliphyme baturini* in Martes spp. (Mustelidae). International Workshop in Arctic Parasitology, Calgary, AB, Canada,November.

Runck, A., M. Matocq and J. Cook. 2006. When is a barrier only a filter? Assessment of a contact zone in red-backed voles. Annual Meeting of the American Society of Mammalogists, Amherst MA. June.

Keynote Presenter, Endemic Conservation Panel, Tongass Land Management Plan Interagency (USDA Forest Service, U.S. Fish and Wildlife Service, & Alaska Department of Fish and Game)Conservation Strategy Review, Ketchikan AK, March.

CUNNINGHAM, C.

Cunningham C., M.J. Jenny, R.W. Chapman, M.L. Lundqvist, P.S. Gross, G.W. Warr and J.P. Tomkins. 2006. Characterization of BAC libraries from the oysters *Crassostrea virginica* and *C. gigas*. 98th Annual Meeting of the National Shellfisheries Association, Monterey CA, March.

Jenny, M.J., G.W. Warr, A. Mancia, C. Cunningham, Y.A. Chen, P. Lang, P. Gross, H. Trent, D. McKillen, J. Almeida and R.W. Chapman.2006. Design and characterization of a multi-species oyster cDNA microarray. National Shellfish Association, Monterey CA, March.

Jenny, M.J., G.W. Warr, A. Mancia, C. Cunningham, Y.A. Chen, P. Lang, P. Gross, H. Trent, D. McKillen, J. Almeida and R.W. Chapman. 2006. Design and characterization of a multi-species oyster cDNA microarray. International Society of Developmental and Comparative Immunology, Charleston SC, July.

Cunningham, C., M.J. Jenny, Y.A. Chen, H.F. Trent, D.J. McKillen, J.S. Almeida, R.W. Chapman and G.W. Warr. 2006. Design and characterization of a multi-species oyster cDNA microarray and its use in transcript profiling of immune challenged *Crassostrea virginica*. 10th International Congress of the International Society of Developmental and Comparative Immunology, Charleston SC, July.

DAHM, C.N.

Acuña, V., C.N. Dahm, K. Tockner, P. Reichert and U. Uehlinger. 2006. Effects of pulse events at different spatial scales on arid land and alpine stream and river ecosystems. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

VanHorn, D.J., L.H. Zeglin and C.N. Dahm. 2006. Seasonal and longitudinal trends in Middle Rio Grande water quality. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

McDonnell, D.E., C.N. Dahm, J.E.A. Coonrod, J.R. Cleverly and J.R. Thibault. 2006. Scaling Leaf Area Index, Evapotranspiration, and Groundwater Nitrogen Concentrations in Canopies along the Middle Rio Grande Riparian Corridor. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Vesbach, C.D., L.H. Zeglin, M.D. Bobb, C.N. Dahm, J.E. Barrett and M.N. Gooseff. 2006. Biological and physical gradients in near-stream hydrologic margins of hot and cold deserts. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Zeglin, L.H., D.J. Van Horn, C.N. Dahm, G.P. Oelsner and P.D. Brooks. 2006. Controls on water quality in a heavily managed aridland river. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Crenshaw, C.L., C.N. Dahm, R.T. Edwards, J.B. Fellman and E.C. Norberg. 2006. Going against the current: Evidence of co-limitation is salmon streams. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Helton, A.M., G.C. Poole, J.L. Meyer, C. Arango, L.R. Ashkenas, C.N. Dahm, W.K. Dodds, S.V. Gregory, N.B. Grimm, R.O. Hall, S.H. Hamilton, S.L. Johnson, W.H. McDowell, P.J. Mulholland, B.J. Peterson, J.L. Tank, H.M. Valett and J.R. Webster. 2006. Patterns of nitrate loading and removal in stream networks: An interbiome comparison. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Tibbets, T.M., C.N. Dahm, J.J. Follstad Shah, M.C. Molles, J.F. Schuetz and J.R. Thibault. 2006. Cottonwood forest response to floods and drought along the Middle Rio Grande. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Follstad Shah, J.J., C.N. Dahm, S.P. Gloss, E.S. Bernhardt, M.A. Palmer and J.D. Allan. 2006. River and riparian restoration in the Southwest: Results of the National River Restoration Science Synthesis project. 54th Annual Meeting of the North American Benthological Society, Anchorage AK, June 3-11.

Thibault, J.R., J.R. Cleverly, and C.N. Dahm. 2006. Hydrologic influences on riparian evapotranspiration during snowmelt runoff. Fall Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Zeglin, L.H., C.D. Vesbach, C.N. Dahm, J.E. Barrett, and M.N. Gooseff. 2006.Nitrogen cycling and bacterial diversity in hot and cold desert stream margins. Fall Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Cleverly, J.R., S.B. Teet, J.R. Thibault, and C.N. Dahm. 2006. Surface layer dynamics during development of the North American monsoon: Riparian forest fluxes. Fall Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Crossey, L.J., K.E. Karlstrom, D.R. Hilton, T.P. Fischer, C. Takacs-Vesbach, C.N. Dahm, and O. Jackson-Weaver. 2006. CO_2-rich springs and travertines of the Rocky Mountain Region: Mantle helium associated with the Aspen anomaly and geomicrobiology of "Continental Smokers." Geological Society of America Annual Meeting, Philadelphia PA, October 22-25.

DUSZYNSKI, D.W.

One of 25 international scientists invited to serve on a Sloan Foundation workshop, "To Resolve Microorganism Taxonomic and Cultural Collection Problems Arising from the New Barcoding Initiatives," Portland ME, November 6-7.

KODRIC-BROWN, A.

Kodric-Brown, A. 2006. Pupfish ecology and pupfish–killifish interactions. Bitter Lake National Wildlife Refuge Aquatic Resources Symposium, Bitter Lake National Wildlife Refuge, Roswell NM, December 6-7.

Kodric-Brown A., R.M. Sibly and J.H. Brown. 2006. The allometry of ornaments and weapons. 11th Congress of the International Society for Behavioral Ecology, Tours, France July 23-29.

Kodric-Brown A., R.M. Sibly and J.H. Brown. 2006. The allometry of ornaments and weapons. Gordon Conference, "Metabolic Basis of Ecology," Bates College ME, July 9-14.

LITVAK, M.E.

Litvak, M.E., J. Heilman, K. McInnes, K. Owens, J. Kjelgaard and A. Thijs. 2006. Changes in ecosystem structure related to the type and extent of woody cover alter carbon dynamics and surface energy exchange in central Texas ecosystems. Fall 2006 Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Ewers, B.E., M. Litvak, B. Bond-Lamberty, M.L. Goulden and S.T. Gower. 2006. Evapotranspiration is less variable than tree transpiration as well-drained boreal forests recover from wildfires over 150 years. Fall 2006 Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

Heilman, J.L., K.J. McInnes, M.E. Litvak, M.K. Owens and J.F. Kjeelgaard. 2006. Energy balance and water use by savanna ecosystems on the Edwards Plateau, TX. Annual Meeting of the Agronomy Society of America/Crop Science Society of America/Soil Science of America, Indianapolis IN, November 12-16.

LOKER, E.S.

Zhang, S-M., C.M. Adema, T.B. Kepler and E.S. Loker. 2006. Diversity in fibrinogen-related proteins (FREPs) in *Biomphalaria glabrata*: From proteins to genes and back again. International Congress of the International Society for Developmental and Comparative Immunology, Charleston SC, July 1-6.

Loker, E.S. 2006. Schistosomes and snails—The historical perspective of molecular phylogenetics. American Society of Tropical Medicine and Hygiene, Atlanta GA, November 12-16.

Zhang, S.M. and E.S. Loker. 2006. Establishing RNAi to knockdown FREP2 expression in the snail *Biomphalaria glabrata*, an intermediate snail host for *Schistosoma mansoni*. American Society of Tropical Medicine and Hygiene, Atlanta GA, November 12-16.

Steinauer, M.L., G.M. Mkoji and E.S. Loker. 2006. *Schistosoma mansoni* and *Schistosoma rodhaini* in western Kenya: A study of species boundaries. 11th International Congress of Parasitology, Glasgow, Scotland, August 6-11.

Loker, E.S. and S.V. Brant. 2006. A sexual radiation: Diversification, dimorphism and dioecy in schistosomes. 11th International Congress of Parasitology, Glasgow, Scotland, August 6-11.

Imani, R.A., Y. Zeng, E.S Loker and S.-M. Zhang. 2006. Functional investigation of the members of fibrinogen-related proteins (FREPs) and their encoded genes in the snail *Biomphalaria glabrata* after infection with the trematode *Echinostoma paraensei*. 11th International Congress of Parasitology, Glasgow, Scotland, August 6-11.

Zhang, S.-M., R.A. Imani, Y. Zeng and E.S Loker. 2006. Molecular cloning and functional characterization of peptidoglycan recognition protein (PGRP) genes from the snail *Biomphalaria glabrata*, the intermediate host of human parasite *Schistosoma mansoni*. 11th International Congress of Parasitology, Glasgow, Scotland, August 6-11.

Brant, S.V. and E.S. Loker. 2006. The diversity of avian schistosomes with special focus on *Trichobilharzia*. 11th International Congress of Parasitology, Glasgow, Scotland, August 6-11.

LOWREY, T.K.

Lowrey, T.K. 2006. Large-scale Ecological Research Projects (Long Term Ecological Research [LTER] & National Ecological Observatory Network [NEON]): Challenges and Opportunities for Herbaria. Annual Meeting of Botany 2006, California State University, Chico CA, August.

MARSHALL, D.L.

Simpson, H.L., N.J. Abrahamson, J.J. Avritt, M.G. Barnes, J.S. Medeiros, D.M. Oliveras, J. Reynolds, S. Walsh and D.L. Marshall. 2006. Gigolos and cradle robbers: Age and mating in wild radish. 15th Annual Research Day, Department of Biology, UNM, April 7.

Simpson, H.L. and D.L. Marshall. 2006. Patterns of genotypic and phenotypic variation in an invasive mustard, Isatis tinctoria, across its introduced range. The 91st Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

Barnes, M.G. and D.L. Marshall. 2006. The genetics of restoration: A reciprocal transplant experiment with winterfat (*Krascheninnikovia lanata*). The 91st Annual Meeting of Ecological Society of America, Memphis TN, August 6-11.

MILLER, R.D.

Parra, Z.E., M.L. Baker and R.D. Miller. 2006. A novel TCR provides an alternative genetic strategy for the invariant chain receptors in a mammal. 2006 γδ T Cell Conference, La Jolla CA, March 26-28.

Melman, S.D., R.D. Miller and M.L. Baker. 2006. Analysis of the genetic structure and expression patterns of MHC Class Ia and Ib of a model marsupial *Monodelphis domestica*. Immunology 2006, Boston MA, May 12-16.

Parra, Z.E., M.L. Baker, J.E. Deakin, J. Trujillo, A. Lopez, J.A.M. Graves and R.D. Miller. 2006. A novel T cell receptor chain (TCRμ) in marsupials. Immunology 2006, Boston MA, May 12-16.

Melman, S.D., M.L. Baker and R.D. Miller. 2006. On the evolution of MHC class I genes in marsupials. ISDCI, Charleston SC, July 1-6.

Parra, Z.E., M.L. Baker and R.D. Miller. 2006. TCRμ: A new T cell receptor found in marsupials. International Society for Developmental and Comparative Immunology (ISDCI), Charleston SC, July 1-6.

POCKMAN, W.T.

Trafton, A. and W.T. Pockman. 2006. Water relations of native and non-native tree species along the Middle Rio Grande, New Mexico, U.S. Annual Meeting of Ecological Society of America, Memphis TN, August.

Bichler, J., W.T. Pockman, R. Jackson and A. McElrone, Andrew. 2006. Quantifying the contribution of aquaporins to overall water transport in deep roots accessed via caves. Annual Meeting of Ecological Society of America, Memphis TN, August.

Pockman, W.T, E.E. Small and S.L. Collins. 2006. Impact of precipitation extremes and variability on productivity across a semiarid grassland–shrubland transition in New Mexico. Annual PI Workshop, Program for Ecosystem Research, U.S. Department of Energy, May.

McDowell, N., W.T. Pockman, E. Yepez and J. Plaut. 2006. Hydraulic mechanisms of survival and mortality during drought in piñon–juniper woodlands of southwestern USA. Annual PI Workshop, Program for Ecosystem Research, U.S. Department of Energy, May.

POE, S.

Poe, S. 2006. Ecological release and ecological filtering in solitary island *Anolis* lizards. Joint Meeting of the American Society of Ichthyologists and Herpetologists (ASIH), Herpetologists' League(HL), and Society for the Study of Amphibians and Reptiles (SSAR), New Orleans LA, July 12-17.

SINSABAUGH, R.L.

Brandt L., J. King, S. Hobbie, R.L. Sinsabaugh, D. Milchunas and W. Parton. 2006. The role of photodegradation in surface litter decomposition in grassland ecosystems. LTER All Scientists Meeting, Estes Park CO, September 20-23.

Collins S., C. Dahm, M. Litvak, W. Pockman, K. Vanderbilt, R.L. Sinsabaugh, E. Muldavin and B. Wolf. 2006. Sevillet LTER IV: Abiotic pulses and constraints: dynamics and stability in an aridland ecosystem. LTER All Scientists Meeting, Estes Park CO, September 20-23.

Zeglin L, M. Stursova, R.L. Sinsabaugh and S. Collins. 2006. Microbial function and response to N addition in grassland soils. LTER All Scientists Meeting, Estes Park CO, September 20-23.

Sinsabaugh, R.L., S. Collins, C. Crenshaw, L. Green, K. Lipinksi, K.J. Odenback, A. Porras-Alfaro, and M. Stursova. 2006. A fungal loop model for the N cycle of semiarid grassland. LTER All Scientists Meeting, Estes Park CO, September 20-23.

Herrera, J., A. Porras-Alfaro, D.O. Natvig and R.L. Sinsabaugh. 2006. Variation in the endophytic fungal community among different anatomical structures of *Bouteloua gracilis*. Annual meeting of Mycological Society of America, Quebec, Canada, July 29–August 2.

Findlay, S.E.G., R.L. Sinsabaugh, D.R. Zak, G.M. Lovett, K. Smemo andB. Dail. 2006. Increased carbon leaching from soils: Cause and consequence for aquatic ecosystems. Annual Meeting of American Society of Limnology and Oceanography, Victoria, B.C., Canada, June 4-9.

Foley, A.J., M.D. Collins, C. Lauber, R.L. Sinsabaugh, R.K. Neely, and K.A. Kuehn.2006. Effects of litter manipulations on plant decay processes: Dynamics of microbial biomass and extracellular enzymes associated with *Typha angustifolia* litter. Annual Meeting of North American Benthological Society, Anchorage AK, June 15-18.

SMITH, F.A.

Smith F.A. 2006. On being the right size: The influence of temperature on mammalian evolution. American Society of Mammalogists Annual Meeting, Amherst MA, June 17-21.

Lyons, S.K. and F.A. Smith. 2006. Assessing biases in the mammalian fossil record using late Pleistocene mammals from North America. Geological Society of America Annual Meeting, Philadelphia PA, October 22-25.

THORNHILL, R.

Gangestad, S.W. and R. Thornhill. 2006. Men's testosterone across their partner's menstrual cycle. 18th Annual Meeting of the Human Behavior and Evolution Society, University of Pennsylvania, Philadelphia PA, June 7-11.

TURNER, T.F.

Moyer, G.R., T.F. Turner and M.J. Osborne. 2006. How did the plains minnow replace the Rio Grande silvery minnow in the Pecos River? Desert Fishes Council, Death Valley CA, November 16-19.

Turner, T.F. and M.J. Osborne.2006. "Temporary" population structure and its importance for evolution of freshwater fishes: Examples from the American Southwest. American Society of Ichthyologists and Herpetologists, New Orleans LA, July.

Osborne, M.J. and T.F. Turner. 2006. Baseline genetic survey of the Pecos bluntnose shiner. Desert Fishes Council, Death Valley CA, November 16-19.

Osborne, M.J. and T.F. Turner. 2006. Long-term genetic studies in the Rio Grande silvery minnow: An examination of effects of population decline and supportive breeding. Desert Fishes Council, Death Valley CA, November 16-19.

WERNER-WASHBURNE, M.

Werner-Washburne, M. 2006. Characterization of quiescent and non-quiescent cells from yeast SP culture. Yeast Genetics and Molecular Biology Meeting, Princeton NJ, July.

WOLF, B.O.

Wolf, B.O., A. E. McKechnie, R. Warne and C. C. Mathiasen. 2006. The importance of columnar cacti to avian consumers in the Sonoran Desert. The Fourth North American Ornithological Congress, Veracruz, Mexico, October 3-8.

C. Attendance at Professional Meetings, Workshops, Etc.

BARTON, L.L.

106thGeneral Meeting of American Society for Microbiology, Orlando FL, May 21-25.

13th International Symposium on Iron Nutrition and Interactions in Plants, Montpellier, France, July 3-7.

Attended "Iron Nutrition in Plants and Rhizospheric Bacteria" Workshop, Montpellier, France, July 2.

Attended "Environmental Microbiology" Workshop, Brno, Czech Republic, July 15–16.

Fifth International Biometals Symposium, Welches OR, July 30–Aug 6.

BERGTHORSSON, U.

National Institutional Development Award (IDeA) Symposium of Biomedical Research Excellence (NISBRE), Washington DC, July 20-22.

BROWN, J.H.

Proceedings of the National Academy of Sciences Editorial Board, National Academy of Sciences, March 22-25.

National Center for Ecological Analysis and Synthesis, Exotics Working Group, September 24-27.

Santa Fe Institute Symposium on Climate Change, Santa Fe NM, September 28-30.

COLLINS, S.L.

LTER Staff Meeting, Sevilleta LTER Field Station, Socorro NM, February (organized and led).

LTER Executive Committee Meeting, Washington DC, March, and Minneapolis MN, May.

Science Symposium, Annual Meeting of the Kruger National Park, South Africa, April.

LTER Planning Workshops,Madison WI, June, and Albuquerque NM, August (organized and led)

Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

GK-12 Workshop, Sevilleta Field Station, Socorro NM, August.

LTER All Scientists Meeting, Estes Park CO, September 20-23.

LTER Staff/Advisory Committee Meeting, Washington DC, October (organized and led).

COOK, J.A.

International Workshop on Arctic Parasitology, Calgary, AB, Canada, November.

Annual Meeting of the American Society of Mammalogists, Amherst MA. June.

COUCH, L.

Southwestern Association of Parasitologists, Lake Texoma OK, April.
American Society of Parasitologists, Glasgow, Scotland, June.

CUNNINGHAM, C.

98th Annual Meeting of the National Shellfisheries Association, Monterey CA, March 26-30.

Marine Genomics Workshop, Charleston SC, May 16.

10th International Congress of the International Society of Developmental and Comparative Immunology, Charleston SC, July.

1st Bennial National IDeA Symposium of Biomedical Research Excellence, Washington DC, July 20-22.

11th International Congress of Parasitology, Glasgow, Scotland, August 6-11.

DAHM, C.N.

Southwest Florida Water Management District Workshop on Minimum Flows and Levels, Tampa Bay FL, January 9-13.

H.J. Andrews LTER Annual Symposium, Corvallis OR, February 7-9. (Serve as external advisory panel member to the H.J. Andrews LTER Program.)
Sevilleta LTER Annual Symposium, Albuquerque and Sevilleta Field Station, Socorro NM,March 1.

University of New Mexico Water Forum, Albuquerque NM, March 24.

New Mexico Experimental Program to Stimulate Competitive Research (EPSCoR)/ American Association for the Advancement of Science (AAAS) Review, Sevilleta Field Station, Socorro NM, April 3-4.

First Annual Middle Rio Grande Endangered Species Collaborative Program Symposium, Albuquerque NM, April 11-12.

54th Annual Meeting of the North American Benthological Society (NABS), Anchorage AK, June 3-11.

Idaho EPSCoR Site Visit, Moscow ID, and surrounding research sites, June 26-30.

Long Term Ecological Research (LTER) Network NSF Planning Grant Meeting, Albuquerque NM, August 14-16.

Lake Eyre Basin Conference, Renmark, Australia, September 6-8.

All Scientists Meeting of the LTER Network, Estes Park CO, September 20-24.

National Science Foundation Reverse Site Visit of N.M. EPSCoR Program, Arlington VA, October 2-3.

Gila River Science Forum, Silver City NM, October 21.

Lotic Intersite Nitrogen eXperiment (LINX) Synthesis Workshop, Sevilleta Field Station, Socorro NM, November 17-19.

NM and ID EPSCoR Workshop Planning Meeting, Boise ID, November 27.

Consortium of Regional Environmental Observatories (COREO) Conference, Las Cruces NM, November 29-30. (NEON advisory group; one of two representatives for the Desert Southwest Domain.)

National Science Foundation/EPSCoR Annual Conference for the NM Program, Las Cruces NM, December 1.

DUSZYNSKI, D.W.

Annual Meeting of the Southwestern Association of Parasitologists, Lake Texoma OK, April.

International Congress of Parasitology-XI, Glasgow, Scotland, August.

HANSON, D.T.

Plant Biology 2006, American Society of Plant Biologists, Boston MA, August.

KODRIC-BROWN, A.

Desert Fishes Council Meeting, Death Valley National Monument, CA, November 15-19.

LITVAK, M.E.

Long Term Ecological Research 2006 All-Scientists Meeting, Estes Park CO, September.

91st Annual Meeting of the Ecological Society of America, Memphis TN, August 6-11.

Ameriflux 2006 Annual Scientific Meeting, Boulder CO, October 16-18.

Transpiration Meeting, American Society of Plant Biology, Snowbird UT, October.

Fall 2006 Meeting of the American Geophysical Union, San Francisco CA, December 11-15.

LOKER, E.S.

International Congress of the International Society for Developmental and Comparative Immunology, Charleston SC, July 1-6.

National Institutional Development Award (IDeA) Symposium of Biomedical Research Excellence (NISBRE) and Centers of Biomedical Research Excellence (COBRE) Principal Investigators Meeting, Wardman Park, Washington DC, July 20-23.

International Congress for Parasitology, Glasgow, Scotland, August 6-11.

American Society of Tropical Medicine and Hygiene, Atlanta GA, November 12-16.

LOWREY, T.K.

International Compositae Symposium, Barcelona, Spain, July.

Annual Meeting of Botany 2006, California State University, Chico CA, August.

MARSHALL, D.L.

Annual Meeting of the Guild of Rocky Mountain Ecology and Evolution Biologists, Mountain Research Station, University of Colorado, Nederland CO, September 15-17.

MILLER, R.D.

2006 γδT Cell Workshop, La Jolla CA, March 26-28.

COBRE/INBRE meeting, Moscow ID, April 15-17.

Immunology 2006, Boston MA, May 12-16.

COBRE Meeting, NIH, Bethesda MD, July 24-27.

MILNE, B.T.

Annual Meeting of U.S.–International Association for Landscape Ecology, San Diego CA, March 28-31.

Annual Meeting of the Ecological Society of America, Memphis TN, August 7-11.

NATVIG, D.O.

Annual Meeting of the Mycological Society of America, Quebec, Canada, July

2006 Annual Sevilleta Research Symposium, Socorro NM, February

"Working with Friend's Groups" training session, sponsored by the U.S. Interior Department, National Conservation Training Center, Shepherdstown WV.

NELSON, M.A.

The *Neurospora* 2006 Conference, Asilomar CA,March 30–April 2.

Annual Biomedical Research Conference for Minority Students, Anaheim CA, November 8-11.

POCKMAN, W.T.

LTER All Scientists Meeting, Estes Park CO, September.

American Society of Plant Biology, Transpiration Meeting, Snowbird UT, October.

American Geophysical Union Annual Meeting, San Francisco CA, December.

SINSABAUGH, R.L.

Annual Meeting of American Society of Limnology and Oceanography, Victoria, B.C., Canada, June 5-8.

Biogeomon Conference, University of California, Santa Cruz CA, June 26-29.

LTER All Scientist Meeting, Estes Park CO, September 20-22.

SMITH, F.A.

American Society of Mammalogists Annual Meeting, Amherst MA, June 17-21.

Paleontological Society Annual Meeting, Philadelphia PA, October 22-25.

International Conference on Macroecological Tools for Global Climate Research, Potsdam, Germany, August.

Quality Education of Minorities Network Workshop, National Science Foundation Directorate for Biological Science, Albuquerque NM, March.

SNELL, H.L.

Annual Meeting of the Society for the Preservation of Natural History Collections, Albuquerque NM, May.

SWAN, J.

Spring: Workshops for WebCT Vista and Hybrid courses.

TURNER, T.F.

Middle Rio Grande Endangered Species Act Collaborative Program, The University of New Mexico, Albuquerque NM, April.

American Society of Ichthyologists and Herpetologists, New Orleans LA, July.

Desert Fishes Council, Death Valley CA, November 16-19.

WERNER-WASHBURNE, M.

Society for Advancement of Chicanos and Native Americans in Science (SACNAS), Tampa FL, October.

Yeast Genetics and Molecular Biology Meeting, Princeton NJ, July.

WOLF, B.O.

Annual Meeting of the Society for Integrative and Comparative Biology, Orlando FL, January 4-8.

The Fifth International Conference on the Application of Stable Isotope Techniques to Ecological Studies, Belfast, Northern Ireland, August 13-18.

The Fourth North American Ornithological Congress, Veracruz, Mexico, October 3-8.

D. Service as Editor of Scholarly Journal.

BARTON, L.L.

Biometals (an international journal)

COUCH, L.

Acting Editor, UNM Museum of Southwestern Biology Publication Series

KODRIC-BROWN, A.

Animal Behaviour

NATVIG, D.O.

Editor-in-Chief, *Mycologia* (the journal of the Mycological Society of America)

NELSON, M.A.

Associate Editor, *Fungal Genetics and Biology*, 1998–present

WOLF, B.O.

Associate Editor, *Oecologia*

E. Service on Editorial Board of Scholarly Journal.

BARTON, L.L.

Soil Science and Plant Nutrition (an international journal)

BROWN, J.H.

Evolutionary Ecology Research
Proceedings of the National Academy of Sciences

COLLINS, S.L.

Bioscience
Community Ecology
Journal of Ecology

CUNNINGHAM, C.

Developmental and Comparative Immunology

LOKER, E.S.

Developmental and Comparative Immunology
Invertebrate Biology
Journal of Helminthology

MILLER, R.D.

Immunogenetics, Springer-Verlag.

NATVIG, D.O.

Mycologia

NELSON, M.A.

Applied Mycology and Biotechnology, 2002–present
Functional and Integrative Genomics, 1999–present

POCKMAN, W.T.

Editorial Review Board, *Tree Physiology*

SINSABAUGH, R.L.

Applied Soil Ecology
Freshwater Biology
Soil Biology and Biochemistry

SNELL, H.L.

Galápagos Research (formerly *Noticias de Galápagos*)

THORNHILL, R.

Proceedings of the Royal Society of London: Biology

TURNER, T.F.

Occasional Papers of the Museum of Southwestern Biology

F. **Service as Officer of Professional Organization (indicate whether Elected or Appointed).**

COLLINS, S.L.

Chair, Long-term Studies section, Ecological Society of America (elected)

Chair, Publications Committee, Ecological Society of America (nominated and board approved)

Member, Long Term Ecological Research (LTER) Executive Committee (elected)

COUCH, L.

Chair, Education Committee, American Society of Parasitologists (appointed)

Co-chair, Auction Committee, American Society of Parasitologists (appointed)

Nominating Committee, American Society of Parasitologists (elected)

DAHM, C.N.

Past-president, North American Benthological Society (NABS), through June 2006. Chaired the Elections and Place Committee, served on the Executive Committee, and presented the 2006 Past-president Address at the NABS Annual Meeting in Anchorage AK.

DUSZYNSKI, D.W.

Scientific Program Officer of the American Society of Parasitology (ASP) (19th year):

- Worked with the British Society of Parasitology to plan the 11th International Congress of Parasitology, Glasgow, Scotland, August 4-10, 2006.
- Also worked with colleagues in Mérida (México) and Mexico City to plan a "Binational Congress of Parasitology" between the ASP and the Society of Mexican Parasitologists (SMP) to be held Mérida, México, June 21-25, 2007.

Council Member-At-Large, American Society of Parasitologists, August 2006–July 2010 (elected).

HANSON, D.T.

Acting co-head, the Southwestern subsection of the Western Sectional Society of the American Society of Plant Biologists (appointed).

KODRIC-BROWN, A.

Board member of *Ecology, Ethology and Evolution of Fishes* (elected).

LOWREY, T.K.

Chair, Collections Committee, American Society of Plant Taxonomists (appointed).

Secretary, Sigma Xi Chapter, University of New Mexico (elected).

NATVIG, D.O.

Ex-Officio member, Executive Council, Mycological Society of America (appointed)

NELSON, M.A.

Member, New Mexico Computational Biology Committee, 1994–present (appointed).

Member, Fungal Genome Initiative Advisory Board, 2001–present (appointed).

POCKMAN, W.T.

Chair, Local Host Committee, Ecological Society of America, 2009 Annual Meeting in Albuquerque, NM.

Member, Meetings Committee, Ecological Society of America, 2006–09 (appointed).

Member, Network Information System Advisory Committee, Long TermEcological Research, 2006–08 (elected).

SMITH, F.A.

American Society of Mammalogists Ombudsperson, 2002–present (appointed).

Board of Directors, American Society of Mammalogists, serving third term (elected in 1999, 2002, 2004).

Chair, Alfred Russel Wallace Award Committee, International Biogeography Society, 2006–present (appointed).

TURNER, T.F.

2007 Board of Governors, American Society of Ichthyologists and Herpetologists (elected)

WERNER-WASHBURNE, M.

Society for Advancement of Chicanos and Native Americans in Science (SACNAS) Program Committee, Chair, SACNAS Genome Committee (elected).

WOLF, B.O.

Chair, Publications Committee, Cooper Ornithological Society (appointed).

V. OTHER PROFESSIONAL ACTIVITIES.

A. Seminar Presentations, UNM and Elsewhere.

BERGTHORSSON, U.

External Advisory Committee Meeting, COBRE Center for Evolutionary and Theoretical Immunology (CETI), April 28.

BROWN, J.H.

University of Texas, Austin TX, March 1-3.
Irving-Scholander Lectures, University of Alaska, Anchorage AK, September 14-15.
University of Ottawa, Ottawa, Ontario, Canada, October 17-18.
Cornell University, Ithaca NY, October 19-20.

COLLINS, S.L.

Brown Bag Seminar, Department of Biology, UNM, Fall.
Colorado State University, Ft. Collins CO

Miami University, Oxford OH
St. Olaf College, Northfield MN

COOK, J.A.

Cook. J.A. 2006. Host–Parasite Diversification Around the North Pacific Rim. University of Wyoming, Laramie WY, December.

Cook, J.A. 2006. Diversification across the High Latitude Nexus between Asia and North America. University of Kansas, Lawrence KS, May.

Cook, J.A. 2006. High Latitude Views of Biotic Interchange among Continents. Ecology Brown Bag Seminars, Department of Biology, UNM, September.

CRIPPS, R.M.

Brown Bag Seminar, Department of Biology, UNM, Fall.

DAHM, C.N.

UNM Water Forum, UNM, Albuquerque NM, March 24 and October 31.

University of Alaska, Fairbanks, Fairbanks AK, April 5 and 7.

Middle Rio Grande Endangered Species Act Symposium, Albuquerque NM, April 11.

Griffith University and the Australian Rivers Institute, Queensland, Brisbane, Australia, September 15.

Northern Arizona University, Flagstaff AZ, October 5.

DUSZYNSKI, D.W.

Duszynski, D.W. 2006. CSU, Serendipity and the Conceptual Basis for Classification of the Coccidia. Department of Biology, Colorado State University, Ft. Collins CO, December.

LOWREY, T.K.

Activities of the UNM Herbarium. 2006 Annual Meeting of the New Mexico Native Plant Society, University of Texas, El Paso TX, August.

MILLER, R.D.

"T Cell Receptor Genomics in the Opossum," Cold Spring Harbor Laboratory, NY, May 5.

"Marsupial Immunogenetics: Discovery of a Novel T Cell Receptor in the Opossum," Genetics Faculty Seminar Series, Texas A&M University, College Station TX, October 13.

"Novel Adaptations in the Marsupial Immune System: Discovery of a New T Cell Receptor," The University of Sydney, Australia, December 8.

"Novel Adaptations in the Marsupial Immune System: Discovery of a New T Cell Receptor," The Walter and Eliza Hall Institute of Medical Research, Melbourne Australia, December 19.

MILNE, B.T.

Speaker, Freshman Learning Communities Luncheon

Guest lecturer, "Watershed Management" Architecture and Planning, UNM.

POE, S.

Invited seminar speaker, "Exaptation, Adaptation, Ecological Release, and Ecological Filtering in Solitary Island Lizards," Yale University.

SINSABAUGH, R.L.

"N Deposition and the Retention and Export of Soil Organic Carbon," School of Natural Resources, University of Nebraska, March 8.

SMITH, F.A.

"The Influence of Environmental Temperature on the Evolution of Mammals," Evolutionary Morphology Seminar Series, Committee on Evolutionary Biology, University of Chicago, May.

"On Being the Right Size—The Influence of Temperature on Mammalian Evolution," Department of Biology, The University of New Mexico, April.

SNELL, H.L.

"Evolutionary Ecology of Galápagos Lava Lizards: A Phenotypic Radiation in Response to Predation Rather than Competition? Or "Why Lizards Aren't Finches!", Department of Integrative Biology, Brigham Young University, Provo UT, June.

STRICKER, S.A.

"Imaging Analyses of Egg Maturation," Department of Physics & Astronomy, UNM, March.

THORNHILL, R.

Department of Psychology , University of Texas–Austin, May
Department of Psychology , The University of New Mexico, November

TURNER, T.F.

"Genetic and Demographic Causes of Decline in a Desert Fish," Natural Resources and Environmental Sciences, University of Illinois, Urbana–Champaign IL, March.

WERNER-WASHBURNE, M.

Werner-Washburne, M. 2006. Quiescence in yeast: When you come to a fork in the road, take it. University of Texas, San Antonio TX, March.

WOLF, B.O.

"Are Saguaros a 'Keystone' Resource for Consumers? An Isotopic View of a Plant–Animal Interaction," Department of Biology, University of Western Ontario, Ontario, Canada.

"Are Saguaros a 'Keystone' Resource for Consumers? An Isotopic View of a Plant–Animal Interaction," School of Life Sciences, Arizona State University, Tempe AZ.

"Avian Community Ecology in a Hot Desert; Abiotic Drivers and Biotic Interactions," Department of Biology and Wildlife, University of Alaska, Fairbanks AK.

B. Testimony in a Scholarly Capacity at Hearings of Commissions, Legislative Committees, Etc.

MILNE, B.T.

"Environmental Opinion Leader" for poll solicited by Jeff Burks, PNM Director of Environmental Sustainability.

WERNER-WASHBURNE, M.

National Institutes of Health National Institute of General Medical Sciences (NIGMS) Advisory Board on Minority Affairs.

C. Presentation to General Audience in a Scholarly Capacity.

COLLINS, S.L.

Participated in a day-long workshop and gave a presentation at the first Presbyterian church of Santa Fe to the Interfaith Alliance on the Biological Effects of Global Environmental Change.

LOKER, E.S.

Seminar presentation, "Water and Ecological Health," Middle Rio Grande Meeting, Albuquerque NM, April 11.

Lecture, "Water and Ecological Health," Biol. 495, Limnology (C.N. Dahm), April 19.

LOWREY, T.K.

Activities of the UNM Herbarium. 2006 Annual Meeting of the New Mexico Native Plant Society, University of Texas, El Paso TX, August.

MARSHALL, D.L.

Presented work on the mating system of wild radish to the 21-Club, Albuquerque NM, April.

MILNE, B.T.

Keynote, "The Nature of Buildings," American Institute of Architects, Albuquerque NM.

"Alternative Currencies for Sustainability," Mid-Region Council of Governments: Agribusiness Task Force, October.

"Alternative Currencies for Sustainability," Sierra Club, Santa Fe NM.

SNELL, H.L.

Presentation to Tierra Grande Owners Association supporting establishment of a conservation easement on a 15,000-acre open space, Belen NM, July.

TURNER, T.F.

Museum of Southwestern Biology Open House, "The Role of the MSB Division of Fishes for Conservation Science in New Mexico," a non-technical presentation of the curatorial, research, educational and training missions of the Division of Fishes at the Museum of Southwestern Biology, October 8.

WOLF, B.O.

"Are Saguaros a 'Keystone' Resource for Consumers? An Isotopic View of a Plant–Animal Interaction," New Mexico Audubon, Albuquerque NM.

"Are Saguaros a 'Keystone' Resource for Consumers? An Isotopic View of a Plant–Animal Interaction," Keynote Address, Annual Meeting of the Western Bird Banding Association, Albuquerque, NM.

Giant Cacti, Birds and Isotopes; You Are What You Eat," Eisenhower Middle School, six sections of 7th and 8th grade classes, Albuquerque, NM.

"Are Saguaros a 'Keystone' Resource for Consumers? An Isotopic View of a Plant–Animal Interaction," New Mexico Ornithological Society, Albuquerque NM.

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.**

ALTENBACH, J.S.

Scientific Advisor for the Nature Conservancy, Jourda del Muerto Bat Cave holding.

Advisor to the University of Wisconsin, Milwaukee, on the Neda Mine Bat Hibernaculum, Dodge Co., WI.

Reviewer of proposals for Student Research Awards, Bat Conservation International, Austin TX.

BARTON, L.L.

Habitat Restoration Subcommittee concerning Albuquerque and the Rio Grande; meets three hours every month. (A city/state meeting that involves representatives from about a half-dozen state and federal government agencies [Army Corps, U.S. Fish and Game, Conservation, City of Albuquerque, etc.] along with some engineering firms.)

Grant Review for Cooperative Grants Program, U.S. Civilian Research and Development Foundation (for former Russian states and U.S. partners)

Evaluated two U.S. NSF grants

BROWN, J.H.

Science Steering Committee, Santa Fe Institute, Santa Fe NM.

COLLINS, S.L.

Integrative Graduate Education and Research Traineeship (IGERT) pre-proposal panel, National Science Foundation

Chair, "Best Student Paper" Award Committee, Vegetation Section, Ecological Society of America

Ad Hoc Reviews, National Science Foundation (4)

Ad Hoc Review, Natural Sciences and Engineering Research Council of Canada (NSERC) (1)

COOK, J.A.

Panelist (Systematics) and Reviewer, National Science Foundation, Spring.

Proposal Reviews:
National Science Foundation
- Biotic Surveys (1)
- Systematic Biology (1)
- Population Biology (2)

Civilian Research and Development Foundation(1)
CONICYT/FONDECYT–Chile (1)

Coordinator of Scientific Oversight—Conservation of Endemics Panel., Tongass Land Management Plan Interagency (USDA Forest Service, U.S. Fish and Wildlife Service, and Alaska Department of Fish and Game) Conservation Strategy Review, Ketchikan AK, March.

CRIPPS, R.M.

Ad hoc member, Skeletal Muscle Biology and Exercise Physiology Study Section, National Institutes of Health, March 2006 and June 2006 (elected November 2006).

Four ad hoc study section reviews by phone.

One review for a Danish agency, by mail.

One review for the Wellcome Foundation for Medical Research (U.K.), by mail.

CUNNINGHAM, C.

Ad hoc Reviewer for the California Sea Grant College Program

Member, Integrative Animal Biology Panel, National Science Foundation

DAHM, C.N.

Member, Science Steering Group (SSG), Global Water Budget Program, U.S. Global Change Research Program

Setting Minimum Flows and Levels Workshop for Ecologic Evaluation Section, Southwest Florida Water Management District (SWFWMD), Tampa Bay FL, January 10-12.

Member, Advisory Panel, H.J. Andrew LTER Program, Corvallis OR, February 7-9. Attended annual symposium and met with program principal investigators.

National Science Foundation joint panel for CUAHSI and CLEANER initiatives (Hydrology and Environmental Engineering), Arlington VA, March 15-17.

Member, national review panel for the National Ecological Observatory Network (NEON) initiative, Consortium of Regional Environmental Observatories (COREO), Las Cruces NM, November 29-30.

DUSZYNSKI, D.W.

One of 25 international scientists invited to serve on a Sloan Foundation workshop, "To Resolve Microorganism Taxonomic and Cultural Collection Problems Arising from the New Barcoding Initiatives," Portland ME, November 6-7.

KODRIC-BROWN, A.

NSF proposals (3)

LOWREY, T.K.

Review Panel Member, Biological Research Collections, Division of Environmental Biology,National Science Foundation, October.

Member, New Mexico Rare Plant Technical Council

MARSHALL, D.L.

National Science Foundation proposals (2)

MILLER, R.D.

USDA Animal Health Grant Review Panel, June 5-9.

International Assessor, Australian Research Council Discovery Projects, July 9.

MILNE, B.T.

Member, N.M. Governor Richardson's Climate Change Advisory Group

Team Consultant, UNM West Campus at Rio Rancho Policy Principles and Design Guidelines, Campus Master Planning Design Charrette, November 12-15.

Co-leader, UNM Provost's Areas of Public Engagement: Sustainability in the Southwest.

Member, Clean Energy Advisory Steering Committee, McCune Foundation.

Consultant, UNM Health Sciences Science and Technology Entrepreneurship for Economic Development (SEED) Project.

Participant, "Sustainability: A Town Hall on Albuquerque's Energy Future," Albuquerque Mayor Martin Chavez, February 23-24.

National Science Foundation (2 proposals)

NELSON, M.A.

Two research proposals, National Science Foundation

POCKMAN, W.T.

Proposal Reviews:
- National Science Foundation International Programs(1)
- National Science Foundation Integrative Organismal Biology (1)
- USDA CREES (1)
- U.S. Department of Energy National Institute for Climate Change Research (2)

SINSABAUGH, R.L.

National Science Foundation Ecosystem Science proposals (2)

SMITH, F.A.

NSF Ecology/Ecosystem Grant Review Panel, February.

Outside reviewer, Howard Hughes Medical Institute, funded programs at U.C.–San Diego, U.C.–San Francisco, and U.C.– Irvine.

SNELL, H.L.

New Mexico Department of Game & Fish Species Recovery Board

STRICKER, S.A.

Four grant proposals reviewed for National Science Foundationand Wellcome Trust Foundation.

TAKACS-VESBACH, C.D.

Proposal Reviews:

Experimental Program To Stimulate Competitive Research (EPSCoR), National Science Foundation (1)

Microbial Observatories (MO) and Microbial Interactions and Processes (MIP) (3)

TURNER, T.F.

Advisor,Genetics Issues, Rio Grande Fishes Recovery Team

Member, Gila Trout (Oncorhynchus gilae) Recovery Team (2002–)

Member, Rio Grande Silvery Minnow, *Hybognathus amarus*, Brood Stock Management Plan Development Team, U.S. Fish and Wildlife Service (2003–)

Ad-hoc reviewer, National Science Foundation, research proposals in Systematics, Population Biology, and Ecology, three proposals reviewed.

Judge for Stoye Awards (Best Student Paper) in General Ichthyology, American Society of Ichthyologists and Herpetologists 2006 Annual Meeting.

WAIDE, R.B.

Editorial Committee for the Trends Volume Examining Long-term Ecological Patterns at LTER, USDA, and ARS sites in the United States, 2006–07.

Science Task Force of the LTER Planning Grant, 2005–07.

Governance Committee of the LTER Planning Grant, 2005–07.

Organizing Body for the Collaborative Large-scale Engineering Analysis Network for Environmental Research (CLEANER), 2006.

LTER Executive Committee, 1997–06.

LTER Executive Board, 2006–present.

Organizing Committee for the National Phenological Network, 2006–07.

International Committee of the LTER Network, 2003–present.

Planning Group for the Long Term Agricultural Research Program, U.S. Department of Agriculture, 2006.

Executive Advisory Board, Earth and Sky Radio and Online, 2006–present.

WERNER-WASHBURNE, M.

National Institutes of Health–National Institute of General Medical Sciences (NIGMS) Minority Opportunities in Research (MORE) Advisory Panel

WOLF, B.O.

Panel member, Population Biology and Ecology Panel, National Science Foundation, Fall

Grant proposal reviews:

- Israel–U.S. Bi-National Science Foundation (1)
- Ecological Biology Cluster/Systems Cluster, Integrative Organismal Biology, National Science Foundation (22)
- National Institutes of Water Resources (1)
- Murdoch Foundation (1)

E. List Journals and the Number of Papers You Refereed for Each in 2006.

ALTENBACH, J.S.

Journal of Mammalogy (1)

BARTON, L.L.

Anaerobe (3)
Biotechnology and Bioengineering (1)
Soil and Sediment Contamination (2)

BROWN, J.H.

Evolutionary Ecology Research (2)
Nature (2)
Proceedings of the National Academy of Sciences (21)

COLLINS, S.L.

Ecological Applications (1)
Ecological Monographs (1)
Ecology (1)
Ecology Letters (1)
Ecoscience (1)
Ecosystems (1)
Journal of Applied Ecology (1)
Journal of Vegetation Science (1)
Nature (2)
Oecologia (1)
Oikos (2)
Plant Ecology (1)
Science (1)

COOK, J.A.

The Auk (1)
Canadian Field Naturalist (1)
Conservation Genetics (1)
Evolution (1)
Interciencia (1)
Journal of Mammalogy (2)
Journal of Biogeography (1)

Molecular Ecology (3)

COUCH, L.

Parasitology International (1)

CRIPPS, R.M.

BMC Molecular Biology (1)
Development (1)
Developmental Biology (1)
Journal of Cell Science (1)
Proceedings of the National Academy of Sciences USA (1)

CUNNINGHAM, C.

Developmental and Comparative Immunology (12)
Immunogenetics (1)
Journal of Shellfish Research (1)
Molecular Genetics and Genomics (1)

DAHM, C.N.

Ecology (1)
Freshwater Biology (1)
Journal of Arid Environments (1)
Journal of the American Water Resources Association (1)
Lake and Reservoir Management (1)
Microbial Ecology (1)
Water Resources Research (3)

DUSZYNSKI, D.W.

Acta Parasitologica (2)
Journal of Parasitology (1)

HOFKIN, B.V.

Journal of the South African Society of Aquatic Biology(1)

KODRIC-BROWN, A.

Animal Behaviour (25)
Behavioral Ecology (1)
Behavioral Ecology and Sociobiology (2)
Environmental Biology of Fishes (3)
Nature (1)
Proceedings of the National Academy of Sciences (1)
Science (1)

LITVAK, M.E.

Global Change Biology (2)
Journal of Geophysical Research (3)
Oecologia (1)

LOWREY, T.K.

Journal of Curatorial Practice (1)
Lundelliana (1)
Systematic Botany (1)
Taxon (1)

MARSHALL, D.L.

American Journal of Botany (4)
American Naturalist (1)
Annals of Botany (1)
New Phytologist (2)

MILLER, R.D.

Comparative Biochemistry and Physiology (1)
Developmental and Comparative Immunology (2)
Genome Research (1)
Immunogenetics (6)
Immunome Research (1)
Journal of Immunology (3)
Molecular Ecology (1)

MILNE, B.T.

Advances in Water Research (2)
Landscape Ecology (1)

NATVIG, D.O.

Mycologia (4)

NELSON, M.A.

Fungal Genetics and Biology (6)
Fungal Genetics Newsletter (1)
One book proposal: *Cellular and Molecular Biology of Filamentous Fungi*

POCKMAN, W.T.

American Journal of Botany (1)
Global Change Biology (1)
Journal of Arid Environments (2)
New Phytologist (1)
Oecologia (1)
Plant Cell and Environment (1)
Tree Physiology (1)

POE, S.

Journal of Herpetology (1)
Science (1)
Zoologica Scripta (1)

SINSABAUGH, R.L.

Applied Soil Ecology (2)
Aquatic Microbial Ecology (1)
Biogeochemistry (1)
Ecology (1)
Ecosystems (1)
Freshwater Biology (1)
Journal of North American Benthological Society (1)
Limnology and Oceanography (1)
Soil Biology and Biochemistry (3)

SMITH, F.A.

Evolution
Journal of Biogeography
Science

SNELL, H.L.

Journal of Arid Environments (1)

STRICKER, S.A.

Developmental Biology; *Development*; *Molecular Reproduction and Development* (8)

TURNER, T.F.

Bioscience (1)
Canadian Journal of Fish Aquatic Science (1)
Ecology Freshwater Fishes (1)
Freshwater Biology (1)
Geological Society of America Special Publications (1)
Journal of Fish Biology (1)

WAIDE, R.B.

The Condor (1)

WERNER-WASHBURNE, M.

BMC Genomics (1)
Genome Biology (1)
Nucleic Acids Research (1)

WOLF, B.O.

The Auk (1)
The Condor (1),
"Frugivory Symposia" book chapter: *Fleshy-Fruited Plants and Frugivores in Desert Ecosystems*

VI. NON-TEACHING UNIVERSITY, COLLEGE AND DEPARTMENT SERVICE.

A. Symposia, Workshops, Conferences, Etc., Sponsored, Hosted, Organized.

BARTON, L.L.

Organizing Committee, Fifth International Biometals Symposium, Welches OR, July 30–Aug 6.

COLLINS, S.L.

LTER Staff Meeting, Sevilleta LTER Field Station, Socorro NM, February (organized and led).

LTER Planning Workshops,Madison WI, June, and Albuquerque NM, August (organized and led)

LTER Staff/Advisory Committee Meeting, Washington DC, October (organized and led).

COOK, J.A.

Co-Organizer, Arctic Marine Ecosystem Research Network (ARCTOS) Workshop, National Science Collections Association Conference, Albuquerque NM, April.

Co-Chair, "Moving Forward" Symposium, International Workshop on Arctic Parasitology, Calgary, AB, Canada, October.

COUNCIL-GARCIA, C.L.

Developed, hosted, organized and taught a one-day biology symposium for 5th graders, summer.

CUNNINGHAM, C.

Member, Organizing Committee, 10th International Congress of the International Society for Developmental and Comparative Immunology, Charleston SC, July 1-6.

DAHM, C.N.

Gila River Science Forum, Western New Mexico State University in Silver City NM, October 21. Dr. Robert J. Glass (Sandia National Laboratories), Dr. David E. Cowley (New Mexico State University), and I organized this forum to address the science needs that arise from the Arizona Water Settlement Act of 2004. Distinguished invited speakers included Stuart Bunn (Australian Rivers Institute, Brisbane, Australia), David Meko (University of Arizona), Robert Wissmar (University of Washington), Julien Olden (University of Washington), John Bolte (Oregon State University), and David Goodrich (USDA/ARS and University of Arizona).

Lotic Intersite Nitrogen eXperiment (LINX) Synthesis Workshop, Sevilleta Field Station, Scorro NM, November 17-19. Chelsea Crenshaw, Lydia Zeglin, and I hosted 30 researchers from throughout the U.S. and Europe in a synthesis workshop.

LOKER, E.S.

National Institutes of Health (NIH) Centers of Biomedical Research Excellence Center for Evolutionary and Theoretical Immunology (COBRE CETI), National Institutes of Health (NIH), External Advisory Meeting, April 28-30.

National Institutes of Health (NIH) Centers of Biomedical Research Excellence Center for Evolutionary and Theoretical Immunology (COBRE CETI), National Institutes of Health (NIH), Teleconference, October 25.

LOWREY, T.K.

Organized symposium "Supporting New Mexico Herbaria," New Mexico Native Plant Society Meeting, University of Texas, El Paso TX, August.

MILNE, B.T.

Organized Faculty Retreat for Sustainability Studies Program, Spring (20 faculty members).

"Commons Sense," a public discussion about sustainability in collaboration with Fine Arts and the Art, Research, Technology and Science Lab (ARTS) Lab, April.

SINSABAUGH, R.L.

Co-organized a special session, "Dissolved Organic Carbon Export from Terrestrial Ecosystems," for the 2006 American Society of Limnology and Oceanography Annual Meeting, Victoria, B.C., Canada, June 5-8.

WERNER-WASHBURNE, M.

Program Committee, Society for Advancement of Chicanos and Native Americans in Science (SACNAS) National Meeting, Denver CO, September

Organized Model Organism Database Workshop, UNM, Spring.

IMSD-sponsored Summer Research Symposium, UNM, August

B. **Distinguished Departmental Visitors You Hosted.**

BROWN, J.H.

Lev Ginsberg, SUNY, Stonybrook, NY
Walter Jetz, U.C.–San Diego, CA
Richard Sibly, University of Reading, Reading, U.K.

COLLINS, S.L.

Katie Suding, Department of Ecology & Evolutionary Biology, University of California–Irvine

COOK, J.A.

Eric P. Hoberg, Curator, U.S. National Parasite Laboratory, USDA, Beltsville MD

Enrique P. Lessa, Professor of Evolution, Universidad de la Republica, Montevideo, Uruguay

Drs. Heikki Henttonen and Juha Laakkonen, Finnish Forest Research Institute (METLA), Vantaa, Finland

CRIPPS, R.M.

Cell Biologist Faculty Search Committee

DAHM, C.N.

Dr. Brad Tebo, Oregon Health and Science University, Portland OR, March 9-10.

Dr. Urs Uehlinger, EAWAG Research Center, Dübendorf, Switzerland, May 24–June 2.

Dr. Vicenc Acuña Salazar, visiting postdoctoral Fulbright Scholar from Barcelona, Spain; he will be a visiting postdoctoral researcher through 2007.

Professor Sergi Sabater, University of Girona, Spain, sabbatical researcher at UNM, July–September.

Professor Stuart Bunn, Griffith University, Director of the Australian Rivers Institute, Brisbane, Australia, October 19-27.

DUSZYNSKI, D.W.

Hosted Drs. J.H. Beach, Assistant Director, and R. Dewhirst, Senior Systems Administrator, Department of Informatics, Biodiversity Research Center, University of Kansas, Lawrence KS, for a site visit and evaluation of Museum of Southwestern Biology (MSB) computing infrastructure and resources. Visited in December 2005, Final Report received April 2006.

HANSON, D.T.

Brent Helliker, University of Pennsylvania, Biology Department Seminar speaker, November

David Beerling, University of Sheffield, U.K., research visit, August.

Murray Badger, Australian National University, special seminar and research visit, Spring.

KODRIC-BROWN, A.

Jeanette Bauman, University of Wisconsin–Madison, "The Evolution of Sexual Isolation in Sticklebacks."

Molly Cummins ,University of Texas–Austin, co-hosted with Marcy Litvak.

LOKER, E.S.

Dr. Sandra Clifton, Genome Sequencing Center, Washington University, St. Louis MO, May 4-5.

Dr. Paul Brindley, Tulane University, New Orleans LA, December 14.

MILLER, R.D.

Dr. Kathy Belov, Postdoctoral Fellow, Faculty of Veterinary Science, University of Sydney, NSW, Australia.

Dr. Tony Papenfuss, Walter and Eliza Hall Institute, University of Melbourne, Melbourne Australia.

MILNE, B.T.

Prof. Peggy Barlett, Emory University, Atlanta GA

Prof. Vijay K. Gupta, University of Colorado, Boulder.

SINSABAUGH, R.L.

Jose Herrera, Truman State University, January–June.
Chris Blackwood and Kirsten Hofmockel, University of Michigan, February 15-17.
Margaret Carrerio, University of Louisville, February 22-25.
Sergio Velasco, University of Madrid, March 20–April 2.
Jennifer King and Leslie Brandt, University of Minnesota, May 2-5.
Don Zak, University of Michigan, September14-15.
Peggy Ostrom and Matthew Opdyke, Michigan State University, October 1-8.
Stuart Grandy, University of Colorado, October 16-19.

THORNHILL, R.

Professor Gad Saad, University of Toronto, Colloquium Speaker, Biology.

WERNER-WASHBURNE, M.

Lee Bitsoi, Director of Minority Training in Genomics/Informatics, Department of Molecular and Cellular Biology, Harvard University, Cambridge MA

William M. Gelbart, Professor of Molecular and Cellular Biology, Harvard University, Cambridge MA

Sharon L. Neal, Associate Professor, Department of Chemistry and Biochemistry, University of Delaware, Newark DE

Deborah Nickerson, Professor, Genome Sciences, University of Washington, Seattle WA

John P. Phillips, Professor Emeritus, Molecular and Cellular Biology, University of Guelph, Canada

R. Frank Rosenzweig, Associate Professor, Division of Biological Sciences, University of Montana, Missoula MT

Paul Szauter, The Jackson Laboratory, Bar Harbor ME

C. Committee Service.

1. Departmental committees served on in 2006 (indicate chair with asterisk).

ALTENBACH, J.S.

Undergraduate Policy Committee

BARTON, L.L.

* Graduate Student Scholarship Program

COLLINS, S.L.

Cell Biology Faculty Search Committee

COOK, J.A.

Transportation Committee (ad hoc) (developed written policy and procedures for departmental field trips, vehicle use, etc.)

* Ornithologist Faculty Search Committee

Board of Curators, Museum of Southwestern Biology, UNM

COUNCIL-GARCIA, C.L.

Undergraduate Academic Advising Committee

COUCH, L.

* 2006 Research Day Committee (co-chair)

COUNCIL-GARCIA, C.L.

Lecturer II Search Committee

CRIPPS, R.M.

UNM Core Curriculum Outcomes Assessment Planning

CUNNINGHAM, C.

Graduate Student Selection Committee
Grove Scholarship Committee

DAHM, C.N.

*Graduate Policy Committee

DUSZYNSKI, D.W.

*Biological Society of New Mexico Committee (chair and only member).

FRANKIS, R.C., JR.

Graduation Committee
Undergraduate Academic Advising Committee

FRIDRICK, C.O.

* 2006 Graduation Committee (Co-chair with B.V. Hofkin)
Glass Case Display, Spring
Undergraduate Policy Committee, Fall

HANSON, D.T.

* Biology Department Seminars
Greenhouses Committee
Graduate Student Selection Committee

HOFKIN, B.V.

* Graduation Committee(Co-chair with C.O. Fridrick)

Administer and award Thelma Evans scholarship to pre-veterinary students.

HOWE, K.A.

*Lecturer II Faculty Search Committee
2006 Research Day Planning Committee, Spring
*2007 Research Day Planning Committee, Fall
Undergraduate Policy Committee, Spring and Fall

KODRIC-BROWN, A.

* Graduate Policy Committee

LITVAK, M.E.

* Annual Research Day (co-chair)

LOWREY, T.K.

Arthropod Biology/Curator of MSB Division of Arthropods Faculty Search Committee, 2005–06.

MARSHALL, D.L.

*Greenhouse Committee
*Core Curriculum Implementation
Search committee for an assistant for the undergraduate labs
Undergraduate Academic Advising Committee

MILLER, R.D.

Spring: Computer Science Department COBRE Faculty Search Committee

MILNE, B.T.

Graduate Student Selection Committee

Salary Committee

NATVIG, D.O.

Graduate Student Selection Committee

Tenure and Promotion Committee

NELSON, M.A.

Annual Research Day, Chair of Oral Judging
Cell Biology Faculty Search Committee
* Graduate Student Selection Committee
Grove Graduate Student Scholarship Selection Committee

POCKMAN, W.T.

Greenhouse Committee

*Undergraduate Policy Committee

POE, S.

Graduate Student Selection Committee
Graduate Student Scholarship Committee (evaluating applications)

SHANER, M.G.M.

* Graduation Committee

SINSABAUGH, R.L.

Spring: Grove Scholarship Selection Committee
Spring & Summer: Undergraduate Advisor Committee
Fall: Department Vehicle Committee

SMITH, F.A.

Joint Mathematics and Biology Faculty Search Committee

SNELL, H.L.

Ornithologist Faculty Search Committee
* Undergraduate Policy Committee

STRICKER, S.A.

* Building Committee
Scholarships Committee
Advising Committee

SWAN, J.

Undergraduate Policy Committee

TAKACS-VESBACH, C.D.

Curator, Division of Birds, Museum of Southwestern Biology, Search Committee

THORNHILL, R.

Graduate Student Advisement

TOOLSON, E.C.

Mathematical Biologist Faculty Search Committee

TURNER, T.F.

MSB Executive Committee

Ad-hoc MSB Space Committee

WAIDE, R.B.

Organizational Committee for the Center for Environmental Research, Information & Art (CERIA) Building open house (D.W. Duszynski, Chair).

WERNER-WASHBURNE, M.

* Cell Biology Faculty Search Committee

WOLF, B.O.

Ornithologist Faculty Search Committee

2. **College/University committees served on in 2006 (indicate chair with asterisk).**

BARTON, L.L.

Admission and Registration Committee, UNM

BERGTHORSSON, U.

UNM Radiation Control Committee

COUCH, L.

Faculty Senate Undergraduate Committee

DAHM, C.N.

UNM alternate (to Dr. Julie Coonrod) to the Consortium of Universities for the Advancement of Hydrologic Sciences, Inc. (CUAHSI) as appointed by the UNM Vice-Provost for Research.

UNM Water Planning Group, University Committee (headed by Dr. Tim Ward)

Center for Rapid Environmental Assessment & Terrain Evaluation (CREATE) Advisory Committee

HANSON, D.T.

External Advisory Board, Mass Spectrometry Facility, UNM.

LOWREY, T.K.

Academic Freedom and Tenure Committee
Faculty Senate Library Committee

MARSHALL, D.L.

Scholarship Review Committee
Phi Beta Kappa Selection Committee
*Noyce Scholarship Steering Committee

MILNE, B.T.

Steering Committee, Consortium of the Americas, UNM (N. Kenkre, chair)

NELSON, M.A.

A&S Dean Selection Committee
Combined B.A./M.D. Degree Program Curriculum Committee
Scientific and Engineering Computation (SEC) Program Committee
Charter member, Associated Faculty Group, Albuquerque High Performance Computing Center (AHPCC)
Genomics Facility User Group, School of Medical, UNM
Member, Action Team for Science, Technology, Engineering and Mathematics (STEM)
Member, Steering Committee, Southwest Graduate Coalition Bridges to the Doctorate Program
Member, Steering Committee, Postbaccalaureate Research and Education Program (PREP)
Minority International Research Training (MIRT) Advisory Committee

STRICKER, S.A.

Science and Math Learning Center Committee

SWAN, J.

Graduation Committee

SNELL, H.L.

Board of Curators, Museum of Southwestern Biology

Faculty Senate

Faculty Senate Operations Committee

University Scholarship Committee

TURNER, T.F.

A&S representative, UNM Faculty Senate, 2005–07

WAIDE, R.B.

Research Allocation Committee (Virginia Shipman, Chair)

UNM International Task Force, 2004–present (Paul Nathanson, Chair)

Review team for Joint Science and Technology Laboratory (JSTL) proposals, College of Arts and Sciences (Rob Duncan, Chair)

Subcommittee on the Review of Centers and Institutes, Faculty Senate's Research Policy Committee (Timothy Graham, Chair)

Review Committee for the NSF Partnership for International Research and Education (PIRE)

WOLF, B.O.

Animal Care and Use Committee, UNM

D. Other.

COOK, J.A.

Faculty Sponsor, UNM Chapter of the New Mexico Wilderness Alliance.

Biology Representative for Grant Proposal "Medicine in New Mexico from a Human Perspective," Jane Slaughter, PI, National Endowment for the Humanities (NEH).

DUSZYNSKI, D.W.

Shepherded construction of fluid storage sheds, including correcting dozens of construction, administrative and paperwork errors, through to completion, inspection, and transfer to Museum of Southwestern Biology, May 11, 2006.

Planned, consulted, set up committee structure, and designed infrastructure for the CERIA Building Dedication/Open House, on October 8, 2006. This included meeting and working with Museum of Southwestern Biology personnel in all divisions and with Susan Dever in Media Arts, Ed Angle in Art Technology, Bob Waide in the LTER Network Office, Scott Collins in the Sevilleta LTER Office, Terry Yates in the Vice President for Research Office, Jane Slaughter in Arts & Sciences (A&S), Sachi Isobe and Debbie Dobson in A&S/Development, and others.

Completed removal, once and forever, of the hazardous acid dilution tank from the basement of CERIA.

Worked/working with Mark Manzutto, Manager Remodel Physical Plant Department, UNM, on schematics of ductwork in CERIA, put together plan/cost analysis to: (1) re-duct the five labs with both Moves arms and room air exchangers on the same duct; (2) replace two roof fans to

accommodate new ducting; (3) fix the airflow in the Genomics Lab; and (4) get better air circulation for both heating and cooling in Room 204 and the associated suite of Curators' offices. All work is funded and to begin late March, 2007.

LOKER, E.S.

Department chair activities:

- Represented department at "UNM Day" at state capitol, Santa Fe NM, January 25.
- Nomination of Dr. C.N. Dahm as Research Lecturer, February 3
- Farewell Party for long-time staff member Vivian Kent, February 28.
- Attended Sevilleta Long Term Ecological Research (LTER) Symposium, March 1
- Site visit for U.S. Department of Energy's Experimental Program to Stimulate Competitive Research (EPSCoR) by American Association for the Advancement of Science (AAAS), April 2
- Participant in Dr. K.V. Vogel Retirement Symposium, Santa Fe NM, May 6.
- National Science Foundation Site Review of Long Term Ecological Research (LTER) Network Office, June 7.
- UNM Arts & Sciences Chairs Retreat, August 17.
- Graduate Student Picnic, September 15.
- Museum of Southwestern Biology Building Dedication, October 8.
- Department Response to Rio Rancho Concept, October.
- Request for federal earmark for reinstatement of National Center for Research Resources (NCRR) facility improvement plan, October 19.
- Revision of Department Vehicle Policy, Fall.
- Response to New Mexico Stem Cell Research Program.
- Directed production of new Department Newsletter.
- Tour of building with N.M. Higher Education Secretary Dr. Beverlee J.McClure and Rep. Ed Sandoval, October 24.
- Castetter Hall Basement Remodel Project out for bid November 27, slated for completion, August 2007.
- Visit with Japanese delegation, December 10 and 11.
- Department Holiday Party, December 13.
- Assisted with the evaluation of Castetter Hall building renovation bids, late December.
- Service on Howard Hughes Medical Institute (HHMI) Program in Interdisciplinary Biological & Biomedical Science (PIBBS) Advisory Board.

MILNE, B.T.

Visioning Session, U.S. Green Building Council, February.

Mentor Lunch, Annual Meeting of the U.S.–International Association for Landscape Ecology, San Diego CA, March 28-31.

New Energy Economy, Sunrise Springs NM, April 7-8.

Visited the Manzano Conservation Foundation and Comanche Springs Water Conservation area (Jacqueline Guilbault, Program Director), April.

Participant, U.S. Green Building Sustainability Workshop, Sandia Resort & Casino, Albuquerque NM, August.

Exploratory session, Silver Hill Neighborhood Association, Albuquerque NM.

Consultation with Headmaster about campus sustainability, Albuquerque Academy, Albuquerque NM.

SMITH, F.A.

Outside reviewer on two tenure packets for faculty at other institutions.

VII. ADVANCED STUDY AND NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

BROWN, J.H.

Honorary membership, American Society of Mammalogists.

CHARNOV, E.L.

In 2006, my publications were cited 630 times; first-authored publications 400 times. (Source: Web-of-Science).

The logo for the 11th International Society of Behavioral Ecology Congress, held in Tours, France, July 23–29, 2006, honors two of my 1976 optimal foraging papers.

DAHM, C.N.

Chosen as the 52nd Annual Research Lecturer by UNM. Lecture entitled "Reflections Upon the Science of Water in the New Mexico Year of Water" to be presented on April 19, 2007.

DUSZYNSKI, D.W.

Selected as the First Distinguished Alumnus for the Department of Biology, Colorado State University, Ft. Collins CO, December.

HANSON, D.T.

Inducted into Sigma Xi as a Full Member, May.

LOKER, E.S.

Regents' Professor, UNM, 2003–06.

MILNE, B.T.

2006 Distinguished Landscape Ecologist Award, U.S. Regional Chapter of the International Association for Landscape Ecology.

WERNER-WASHBURNE, M.

American Academy of Arts and Sciences (AAAS) Fellow, February.

VIII. SABBATICALS, LEAVES OF ABSENCE, SUMMER TEACHING ELSEWHERE, TRAVEL, ETC., DURING THE PERIOD.

BROWN, J.H.

Collaborated with Richard Sibly, University of Reading, Reading, U.K., December 15-20.

Nearly weekly travel to collaborate with Geoffrey West and Biological Scaling Group, Santa Fe Institute, Santa Fe NM.

COOK, J.A.

Fieldwork: Alaska, July; Siberia, August.

COUCH, L.

Traveled to Belize as an co-instructor for Biol. 461L, Introduction to Tropical Biology field research, March 13-17 (UNM's Spring Break).

DAHM, C.N.

Spent September 10-16, 2006, in Brisbane, Australia, at the Australian Rivers Institute at Griffith University preparing for a sabbatical there in Fall 2007.

DUSZYNSKI, D.W.

Traveled to Belize for Biol. 461L, Introduction to Tropical Biology, 20 faculty and students from UNM, March 13-17 (UNM's Spring Break).

HANSON, D.T.

Traveled to Los Alamos National Laboratory to plan collaborations with Dr. Nate McDowell on our funded IGPP proposal and to conduct research; multiple trips, 30 days total.

LITVAK, M.E.

Research Semester, Spring.

Maternity Leave, Fall.

LOKER, E.S.

Attended National Institutes of Health Study Section, February 23-25.
Field work, Kenya, Summer.
Field work, Egypt, August 30—September 10.

LOWREY, T.K.

Travel: Symposium and field trip, International Compositate Alliance, Barcelona, Spain, July.

POCKMAN, W.T.

Sabbatical Leave, August–December. Project: Hydraulic mechanisms of drought mortality and survival in piñon–juniper woodlands at the Sevilleta LTER.

POE, S.

Field trips to Panama and Colombia resulted in (1) more than 100 herpetological specimens to be deposited in the Museum of Southwestern Biology, and (2) the discovery of a new species of lizards. I was accompanied by two graduate students in my lab on these trips.

STRICKER, S.A.

Summer research conducted at Friday Harbor Laboratories, University of Washington.

New course taught at the University of Washington, Summer, "Research Apprenticeship in the Biology of eGG Maturation and Fertilization."

THORNHILL, R.

Sabbatical Leave, Spring, for book writing and research in the West Indies.

WAIDE, R.B.

Research Sabbatical, December 1-31.

WOLF, B.O.

Sabbatical Leave, Fall.

IX. PUBLIC SERVICE.

ALTENBACH, J.S.

Abandoned mine evaluation for the State Police CSI division and for the Deming, NM, Police Department. Shaft and open stope internal evaluation in searching for evidence in a murder investigation, June.

BARTON, L.L.

Assisted Justin Biardo in setting up the Microbiology laboratory for Rio Grande High School.

BROWN, J.H.

The Nature Conservancy of New Mexico
Board of Trustees Conservation Committee

COLLINS, S.L.

I am leading the NSF-funded three-year strategic planning effort that has led to the development of a scientifically grounded funding initiative to be submitted to NSF in the spring of 2007 on behalf of the ecological research community. This initiative, "Integrated Science for Society and the Environment," has involved more than 200 scientists as participants in workshops, advisory committees, writing committees, etc. Thus, this initiative is broadly based with strong community support. Endorsements for this effort are being sought from several scientific societies, and an ad hoc National Academy of Sciences panel or reviewers. The ultimate goal is to generate the scientific basis for a budget request by NSF to U.S. Congress for no less than $40 million in new funds for competitive,

peer-reviewed research opportunities distributed across several directorates including Biology, Geosciences, and Social, Behavioral and Economic Sciences (SBE).

COOK, J.A.

Outside Peer Reviewer, Tenure &Promption, Dr. Kevin Crooks, Colorado State University, Ft. Collins CO.

Outside Peer Reviewer, Distinguished Researcher Award, Idaho State University, Pocatello ID.

Affiliate Faculty Member, Department of Biology, Idaho State University, Pocatello ID.

DUSZYNSKI, D.W.

Member, Architectural Control Committee, Placitas Homeowners Subdivision, Placitas NM.

HANSON, D.T.

Mentored Bianca Garcia, a high school student from St. Pius, on her science fair project, Fall; she won second place in January 2007 for her project, "How Effective Is Algae at Producing Hydrogen?".

HOFKIN, B.V.

Continued to write, produce and air "Today's Biocast," airing Tuesday–Thursdays on KANW, 89.1FM. This program is underwritten by the UNM Biology Department.

HOWE, K.A.

Board of Directors and Executive Committee, La Puerta de los Ninos Preschool (non-profit organization).

LOWREY, T.K.

Botanical Consultant, John Fleck, Science Reporter, *Albuquerque Journal*.

MILNE, B.T.

Articles reporting Sustainability Studies activities:

- "UNM Team Sustains Enthusiasm for Clean Energy," *Albuquerque Journal*, May 26, 2006, C1 and C3.
- "New Academic Programs Respond to Student Interests at Arts and Sciences, University College," UNM Foundation Report of Giving, 2005–2006. p. 6.
- New Mexico Business Weekly.

U.S. Green Building Council, NM Chapter:

- Board of Directors (through October 2006)
- Docent, Greenbuilt Tour, 2006

NATVIG, D.O.

Founding organizer and UNM representative to the Board of Amigos de la Sevilleta (The Friends of the Sevilleta National Wildlife Refuge).

SNELL, H.L.

Worked with New Mexico Department of Game & Fish on species recovery issues.

Promotion of the Conservation Biology of the Galápagos Archipelago.

Member, General Assembly of the Charles Darwin Foundation for the Galápagos Islands.

THORNHILL, R.

Advisor, New Mexicans for Science and Reason

Two lectures on evolution to faculty and students at Albuquerque Academy, Albuquerque.

A lecture on evolution to faculty and students at Amy Biehl High School, Albuquerque.

TURNER, T.F.

Guest Lecturer, "The Ichthyofauna of New Mexico," Biology Honors Program, Natural History of the Southwest, October.

MSB Division of Fishes Representative, Participant and Co-organizer, Museum of Southwestern Biology Open House, October 8.

Team Member, Gila Trout Recovery Team. An integral activity for the team in 2006 was the down-listing of the Gila trout to federally "threatened" status (from endangered), representing a major success story in conservation and species recovery nationwide.

Annual Report

Center for Science, Technology, and Policy
College of Arts and Sciences

July 1, 2006-June 30, 2007

Andrew L. Ross
Director, Center for Science, Technology, and Policy
Professor, Department of Political Science

During the 2006-07 academic year, what had been the Office for Policy, Security, and Technology—a program launched by UNM and Sandia National Laboratories in 2003—was transformed into the Center for Science, Technology, and Policy (CSTP). The new CSTP charter, which had been drafted by Andrew L. Ross, the Director of CSTP, and approved by the CSTP Board of Directors, was signed by Interim Dean Vera Norwood and Associate Dean for Research Michael Dougher on February 1, 2007. The program's shift in status from "office" to "center" and new name more accurately reflect the range of its research, education, and public engagement programs. A new program website was developed during the spring semester of 2006; it is at http://www.unm.edu/~cstp/.

Board of Directors
On February 14, 2007, the CSTP Board of Directors met for the first time since the program was established in 2003. Members of the CSTP Board are Terry Yates, Vice President for Research and Economic Development, UNM; A. D. Romig, Jr., Senior Vice President and Deputy Laboratories Director for Integrated Technologies and Systems, Sandia National Laboratories; and Emile Nakhleh, former Senior Intelligence Service Officer. With the addition of Dr. Nakhleh, the CSTP Board was at full strength for the first time since the program's establishment. CSTP Director Andrew Ross and the Board members discussed the role of the Board, the transformation of OPST into CSTP, CSTP's relationship with the College of Arts and Sciences specifically and UNM generally, CSTP's relationship with Sandia National Laboratories, and current future research, curriculum development, and public engagement initiatives.

Faculty Associates
CSTP program building continued with the recruitment of additional CSTP Faculty Associates. At the end of the 2006-07 academic year, 21 faculty (up from zero in September 2005) from across UNM had signed on as Faculty Associates:

- Edward D. Arthur, Director, Center for Nuclear Nonproliferation Science and Technology; Research Professor, Chemical and Nuclear Engineering Department;
- Christopher Butler, Associate Professor, Political Science Department;
- Eva O. Caldera, Associate Director of the Institute for Ethics; Research Professor of law, School of Law;
- Janie Chermak, Associate Professor, Economics Department;
- Dante DiGregorio, Assistant Professor, International Management, R.O. Anderson Schools of Management;
- Michael J. Dougher, Associate Dean for Research, College of Arts & Sciences; Professor, Psychology Department;
- Robert V. Duncan, Professor, Physics and Astronomy Department; Director, NMC Institute for Advance Studies at LANL;
- Gregory Gleason, Professor, Political Science Department; Associate Professor, School of Public Administration;
- Diana Huffaker, Associate Professor, Center for High Tech Materials and Electrical and Computer Engineering;

- Suleiman K. Kassicieh, Endowed Chair in Economic Development; Regent's Distinguished Professor of Management of Technology; Coordinator of Technology Management Center, R.O. Anderson Schools of Management;
- Nitant Kenkre, Director, Consortium of the Americas for Interdisciplinary Science; Distinguished Professor, Physics and Astronomy Department;
- Deborah McFarlane, Professor, Political Science Department;
- Jack McIver, Senior Associate Vice President for Research and Economic Development; Professor, Physics and Astronomy Department;
- Kirsty Mills, Associate Director, Center for High Tech Materials; Research Associate Professor, Electrical and Computer Engineering;
- Timothy Moy, Associate Professor, History Department;
- Mark Peceny, Chairperson and Professor, Political Science Department;
- Richard Santos, Associate Professor, Economics; Volunteer Graduate Faculty, College of Pharmacy;
- William D. Stanley, Professor, Political Science Department;
- Bert Useem, Principal Investigator, Institute for Social Research; Professor, Sociology Department;
- Steven T. Walsh, Director, Technological Entrepreneurship Program; Associate Professor, Department of Finance, International and Technology Management, R.O. Anderson Schools of Management;
- Tim J. Ward, Assistant Vice President for Research & Economic Development, Professor, Civil Engineering; Associate Director, WERC.

Curriculum Development Initiatives

CSTP continued the curriculum development grant program that had been initiated during the 2005-06 academic year. This program provides $5,000 grants to support the development of new jointly taught interdisciplinary undergraduate and/or graduate courses that highlight the relationship between public policy and science and technology (S&T). During the 2005-06 academic year, one grant was awarded to Constantine Hadjilambrinos, Associate Professor, School of Public Administration, and Andrea Mammoli, Associate Professor, Department of Mechanical Engineering, for a new course on "Energy: Science, Technology and Social Implications." A total of five curriculum development grants have been awarded since the program was established during the fall of 2005.

CSTP also put in place a new two-course sequence in international and national security affairs. "Strategy and Policy," with Todd Greentree, was offered during the fall 2006 semester; "National Security and Defense Planning," with Andrew Ross, was offered during the spring 2007 semester. Both will be taught again during the 2006-07 academic year.

Public Engagement

CSTP sponsored a robust public events program during the 2006-07 academic year. Those events included:

- Robert S. Litwak, Director, Division of International Security Studies, Woodrow Wilson Center, "Regime Change: U.S. Strategy through the Prism of 9/11," April 24, 2007;
- Lieutenant Commander Tania L. Price, Royal Navy, NATO Briefing Team Officer, "NATO Today," January 29, 2007;
- "The November Elections, the New Congress, and Iraq: A Panel Discussion," with Lonna R. Atkeson, Professor of Political Science; Michael S. Rocca, Assistant Professor of Political Science; Andrew L. Ross, Professor of Political Science & Director, Center for Science, Technology & Policy; Christine M. Sierra, Professor of Political Science; Moderator: Mark Peceny, Professor, Chair, Department of Political Science, Interim Director, Institute for Public Policy; January 26, 2007 (cosponsored with Department of Political Science, Political Science Graduate Student Association, and the Institute for Public Policy);
- Charles Snyder, Director, Asian, African, European, and Multilateral Programs, Bureau of International Narcotics and Law Enforcement, DOS, Former Acting Assistant Secretary of State for African Affairs and U.S. Negotiator for Darfur Agreement, "The Politics of Making Peace: A Practitioner's Account," October 31, 2006 (cosponsored with International Studies Institute and Peace Studies);
- Brady Kiesling, former U.S. Diplomat and author of *Diplomacy Lessons* (2006) "U.S. Diplomacy for a Crowded Planet," October 17, 2006; (cosponsored with International Studies Institute and Political Science Department);

- Symposium on The Reliable Replacement Warhead Program and The Future of the U.S. Nuclear Weapons Complex, September 29, 2006 (cosponsored with Women in International Security and SNL). Panel presentations by:
  - Susan Stoner, Science Advisor, Defense Programs, National Nuclear Security Administration
  - Bruce C. Walker, Director, NM Weapon Systems Engineering Center, Sandia National Laboratories
  - Celeste Drewien, System Studies Department, Sandia National Laboratories
  - Linda J. Branstetter, Advanced Concepts Group, Sandia National Laboratories
  - Joseph C. Martz, Project Director, Reliable Replacement Warhead; Principle Associate Director for Weapons Programs. Los Alamos National Laboratories
  - Elizabeth A. Stanley, Assistant Professor, Edmund A. Walsh School of Foreign Service and the Department of Government, Georgetown University
  - Andrew L. Ross, Moderator
- Christopher Butler, Department of Political Science, UNM, "Game Theory, Bargaining, and War," September 18, 2006, (cosponsored with Consortium of the Americas for Interdisciplinary Science);
- Emile A. Nakhleh, former Senior Intelligence Service Officer and Director of the Political Islam Strategic Analysis Program in the Directorate of Intelligence, CIA "September 11: Five Years Later," September 11, 2006 (cosponsored with Political Science Department and Institute for Public Policy);
- Kate Krause, Department of Economics, UNM, "What Would a Microeconomist Bring?" September 11, 2006, (cosponsored with Consortium of the Americas for Interdisciplinary Science);
- Andrew Schrank, Department of Sociology, UNM, "Sociology for Non-Sociologists," August 28, 2006, (cosponsored with Consortium of the Americas for Interdisciplinary Science);
- "Social Science for Physicists," a meeting of over 30 faculty, postdocs, and graduate students from the social sciences, physics and mathematics to discuss interdisciplinary science collaboration, August 18, 2006 (cosponsored with Consortium of the Americas for Interdisciplinary Science).

Outside Professional Activities of the Director

- Founder, New Mexico Nuclear Study Group.
- Participant, and speaker for session on "Science and Society," the First Annual Workshop of the New Mexico Consortium's Institute for Advanced Studies at Los Alamos National Laboratory, held at the New Mexico Institute of Mining and Technology, Socorro, NM, 20-21 April 2007.
- "From Bullets and Bombs to Bits and Bytes: U.S. Military Transformation or Business as Usual?" A paper presented at the PRIME INNO-MIL Workshop on "Re-Evaluating Defence R&D and Innovation Dynamics," PREST (Policy Research in Engineering, Science and Technology), Manchester Business School, University of Manchester, UK, 2-3 April 2007.
- Participant, American Association for the Advancement of Science Leadership Seminar in Science and Technology Policy, Washington, DC, 13-17 November 2006.

Publications of the Director

- "The 'New Strategic Triangle' and the U.S. Grand Strategy Debate," with Peter Dombrowski, in Jan Hallenberg and Håkan Karlsson, eds., *Changing Transatlantic Security Relations: Do the US, the EU and Russia Form a New Strategic Triangle?* (London: Routledge, 2006), pp 146-166.

Proposal Submitted

In June 2007, CSTP submitted a proposal for the management of Sandia National Laboratories' Visiting Research Scholar Program. The contract for this program is currently in negotiation.

Staff Separation

Ms. Stephanie Grant, the CSTP Program Administrator, separated on June 15, 2007.

DEPARTMENT OF CHEMISTRY AND CHEMICAL BIOLOGY ANNUAL REPORT

July 1, 2006 - June 30, 2007

Cary J. Morrow, Chairman

This is my last Annual Report as a member of the Chemistry faculty (36 years!) and Chair of the Department. In the Significant Plans and Recommendations section, I have been brutally honest about what I see as the future of the Department.

Significant Developments during the Academic Year, 2006-2007

Name Change. The effort that was initiated more than two years ago to change the department's name to the Department of Chemistry and Chemical Biology finally came to fruition during spring 2007. This is the first annual report to bear the new name. The new name emphasizes the importance of chemistry's impact on biology and the department's broad range of research activities at that interface. The impact is visible in both the graduate and undergraduate programs through courses that are now being offered and through the research that is being carried out under the direction of the faculty in Chemistry and Chemical Biology.

Faculty Searches. A search was initiated in fall 2006 for a chemist conducting research in the area of nanomaterials to be funded in part by an EPSCoR grant in the College of Engineering that is administered by Prof. Abhaya Datye. Four finalists for this position were interviewed during the winter, and an offer of a tenure-track Assistant Professor position was extended to Dr. John K. Grey. Dr. Grey accepted the position and began his probationary appointment in July 2007. One of the candidates interviewed for the position was Dr. Chris Orendorff. The decision as to who should receive the offer between Dr. Grey and Dr. Orendorff was very close with the Chair authorized to offer the position to Orendorff if Grey declined it. Late in spring 2007, it was suggested by Prof Hua Guo, who had chaired the search committee for the position, that Dean Norwood be approached about offering a position to Dr. Orendorff as well, but one with a delayed start date. An offer was extended with a January 2009 start date. In subsequent negotiations, Dr. Orendorff asked if the start date could be moved to August 2008. That change has been approved and negotiations with Dr. Orendorff are continuing.

A search for a biological chemist on a tenure track with an open rank was authorized by Dean Norwood near the middle of the academic year, and a search headed by Prof. Dunaway-Mariano was carried out in spring 2007. The pool of applicants was not as rich as was hoped, and it was decided to restart the search in fall 2007. Unfortunately, during summer 2007, the search was changed from an open rank search to an Assistant Professor search by Dean Norwood, a decision subsequently confirmed by the new dean, Brenda Claiborne. The search has now been readvertised at the junior level.

During the search for a Lecturer in organic chemistry in spring 2006, two outstanding applicants were identified in addition to Dr. Lisa Whalen, the person hired as the Lecturer in organic chemistry. These two applicants were Ms. Alisha Ray and Dr. Don Bellew. Ms. Ray was an undergraduate student in Anthropology at UNM and graduate student in Chemistry at UNM where she earned the M.S. degree. Prior to the start of the search, she had been teaching as a part time instructor in Chem 111. Dr. Bellew, who received his Ph.D. and conducted his postdoctoral research training under the direction of two Nobel-laureates in southern California, was moving to Albuquerque because his wife was assigned to Kirtland AFB. He had several years of chemistry and other teaching experience. Prior to approval of the Lecturer search, he was hired as a PTI to teach Chem 301, Organic Chemistry, then to teach Chem 253, Quantitative Analysis, in summer school. In both he did an outstanding job, including earning the highest ICES rating in the department for his work on the Organic Chemistry course. The availability of these two excellent teachers, and their interest in continuing at UNM, led us to initiate searches for Lecturers to teach Chem 111 and Chem 212 and to teach in and coordinate the general chemistry program, Chem 121 and 122, knowing that there would be excellent applicants for each position. The searches were conducted in fall 2006, and Alisha Ray was hired to teach Chem 111 and 212 and to coordinate the Chem 111 recitation program. Don Bellew was hired to teach in and coordinate the multiple sections of Chem 121 and 122.

New Faculty. In fall 2006, Dr. Lisa Whalen began her full time position as a Lecturer III teaching organic chemistry and coordinating the organic chemistry laboratory courses, Chem 303L and 304L. In spring 2007, she taught two semesters of organic chemistry lecture in addition to her coordination work. This will be the continuing course load for this Lecturer position. In spring 2007, Ms. Alisha Ray began her full time position as a Lecturer II and taught both one section of Chem 111 and the only section of Chem 212 as well as coordinating the

recitation sections for Chem 111. This will be the continuing course load for this Lecturer position. Also, for the first time in spring 2007, Dr. Don Bellew taught all of the sections of Chem 122 rather than split them among several faculty members or part time instructors. (He has done the same thing in fall 2007 with the first semester course.) With this very intensive introduction to the general chemistry program, he is well-positioned to ensure that the department offers a high-quality, well-coordinated program in general chemistry.

Tenure Decisions. Assistant Professor David Tierney underwent review for tenure and promotion to Associate Professor during the 2206-2007 academic year. He was awarded tenure and promoted, effective July 1, 2007.

Mid-Probationary Reviews. No faculty members underwent mid-probationary review during the 2006-2007 academic year.

Faculty Resignations and Retirements. One faculty member left the Department at the end of the fall semester, 2006. Dr. Jim Brozik resigned his position as an Associate Professor teaching and conducting research in physical chemistry to join the faculty at Washington State University, the instiution where he earned the Ph.D. degree. A second faculty member left the Department at the end of the spring semester, 2007. Dr. Paul Bentley completed a terminal contract in May 2007 under the terms of an agreement where he would resign from UNM rather than continue through a tenure decision. He continued in an unpaid status during the summer while a graduate student who had been working under his direction completed his Ph.D. research and dissertation defense

Sabbatical Leaves. Associate Professor Deborah Evans was on Sabbatical leave during the 2006 academic year. During the sabbatical, she conducted research at Los Alamos National Lab and developed part of an introductory course for the inter-disciplinary Nano Sciences and Micro Systems graduate program. She also continued to serve as undergraduate advisor for the undergraduate students in the Department and continued to work on restructuring the undergraduate program.

Other Faculty Changes. Deborah Evans was appointed to a half-time position as Associate Director of the Nano Sciences and Micro Systems interdisciplinary program. In that capacity, she will serve as liaison for the College of Arts and Sciences to the program. As a result of this workload change, the position held as Chair of the Undergraduate Curriculum Committee and Undergraduate Advisor in Chemistry was split in half. Deborah will continue to

serve as the Department's Undergraduate Advisor. Development of the undergraduate curriculum will now be headed by Prof. Steve Cabaniss.

Undergraduate Program Effort continued to be put into a restructure of the undergraduate program during the 2006-2007 academic year. New B.A. majors and minors in chemistry that allow students considerable flexibility in selecting the courses they take after general chemistry were instituted. A new B.S. program that has been under development for several years is still going through the implementation phase because a number of new courses, including several advanced laboratory courses, must be created simultaneously while their predecessor courses are phased out.

The number of students enrolled in a Chemistry major or minor in each semester of the 2006-2007 academic year is summarized in the following table:

Semester	BA	BS	Minor
Summer 2006	152	86	388
Fall 2006	143	84	376
Spring 2007	155	90	384

Departmental Awards. Nearly $40,000 in awards were made to undergraduate and graduate students in Chemistry at the spring 2007 departmental graduation and awards ceremony. The funds for these awards are taken from the interest on endowments made to the Department. A table of those receiving awards follows appears in Appendix V.

Major Instrumentation Facilities. The Mass Spectrometer Facility located in the Chemistry Department continued to grow during the 2006-2007 academic year under the direction of Charlotte Mobarak. Chris Enke continued working at 15% time under the auspices of the IGERT that was instrumental in creating the Center. This internationally known Mass spectrometrist was hired to oversee the on-going development of the Center and to help Charlotte learn how to solve problems that were encountered. During the winter, an extended period of downtime for the instrument used for biomolecules led to institution of a new approach to getting repairs initiated on all the mass spec instruments. The change involved creation of a single self-insurance fund for all of the instruments using commitments of contributions from the North Campus, the College of Arts and Sciences, and user fees for the instruments. In addition, open purchase orders were established with the manufacturer of each instrument. These changes will

allow repairs to be initiated without waiting for funds to be found and a purchase order to be generated.

Graduate Program

The number of students enrolled in the MS and Ph.D. programs in each semester of the 2006-2007 academic year is summarized in the following table:

Semester	MS	PhD
Summer 2006	3	53
Fall 2006	7	51
Spring 2007	5	53

Graduate Recruitment Recruiting high quality graduate students remains a considerable challenge for the Chemistry Department. Nationally, approximately half the number of undergraduate chemistry majors are turned out as there are openings in graduate programs in Chemistry. In the last two decades graduate programs have fiercely recruited domestic students, but have had to rely heavily on foreign students to make up first-year graduate classes in chemistry. The entering graduate student classes in Chemistry at UNM have been more than 50% students from China for more than a decade.

The department continued to put a significant effort into graduate recruitment under the leadership of Graduate Recruitment Committee chair, Prof. Hua Guo. A number of other faculty members have worked hard on this effort. Of particular note, the committee put more effort into recruiting international students from countries other than China. This effort has resulted in a broader representation of home countries for our foreign students in recent classes. Countries in southern Africa, especially Tanzania, have been especially well represented.

There is continuing desperate need to increase the stipends that can be offered to the graduate Teaching Assistants in chemistry. The regional salaries are $2-4k per year higher then what we are offering, making it very difficult to recruit domestic students, and increasingly hard to recruit foreign students.

Through careful administration of Teaching Assistant salary funds plus a number of new grants to faculty members allowing them to hire more Research Assistants, the department was successful in avoiding over-committing its budget as had happened in 2005-2006. (As was reported in last years Annual Report, "Late in the fall semester of 2005, several faculty lost grants which had provided Research Assistantship support for a number of graduate students,

and the Department had to meet our obligation to these students by hiring them as Teaching Assistants during the spring semester. During much of the spring semester, it remained uncertain how many of these students would return to RA positions in the fall, so recruiting of graduate students for fall 2006 was significantly curtailed through most of the spring semester. As a result, a smaller than normal class was recruited to enter in fall 2006.") Recruiting for fall 2007 was expected to progress at a normal level, but a number of faculty members are still keeping students on TA's because they have insufficient grant funds to move the students working under their direction on to RA's. The class of students recruited for Fall 2007 was only eight.

Sponsored Projects – The following is a list of grant awards from the past fiscal year:

889219	SNL/UNM Jason Cox Scholarship	01/01/07	25,000.00	Brozik
889165	UNM PREP - (Post-Bac Research Ed Prog)	10/04/06	286,677.00	Keller
889229	ASU: Synthesis of Cis Stilbenes as Anticancer Agents	04/01/07	756.00	Deck
889214	ASU:	12/04/06	756.00	Deck
889193	BostonUniv: DHHS:	05/25/07	216,776.00	Dunaway-Mariano
801513	NIH:NMSU INBRE	05/01/07	15,000.00	Enke
889166	DoE: Wave Packet Based Statistical Approach to Complex-Forming Reactions	08/01/06	92,000.00	Guo
889191	NIH: Simulations of Substrate Binding and Catalysis of Subclass B2 beta Lactamases	04/01/07	72,825.00	Guo
889186	DOE: Direct Expoxidations Using Molecular Oxygen	05/25/07	237,000.00	Kemp
889226	SNL: Thermochemical Cycles For Splitting of Water	01/02/00	6,096.00	Kemp
889217	NSF: Electronic & Magnetic Studies of Heterospin Inorganic/Organic Molecular Materials	05/25/07	125,000.00	Kirk
889161	LANL: Unusual Metal-Ligand Redox Interplay in 4f-Element Metallocene-Based Molecular Magnetic Materials	04/23/07	9,950.00	Kirk
889230	NIGMS: Spectroscopic Studies of Molybdoenzymes and Models	02/01/07	277,200.00	Kirk
889155	NIH/UnivMd: Giardia Drug Targets: Structure Function & Inhibitors	4/24 & 6/26/07	231,123.00	Mariano
889190	NSF: Electron Transfer Photochemistry	11/29/06	107,000.00	Mariano
801515	NIH:NMSU INBRE	05/01/07	110,418.00	Mobarak
889192	DoE: Design & Development of Selective Extractants for An/Ln Separations	04/02/07	147,800.00	Paine
889222	DOE: Preorganized & Immobilized Ligands for Metal Ion Seperation	09/18/06	135,000.00	Paine
889228	AFOSR: Solid-State Nulear Magnetic Resonance Investigations of Microwave Tube Cathode Structure	03/01/07	33,890.00	Smith

801517	INBRE	05/01/07	102,719.00	Tierney
889211	ACS/PRF: Recyclable and Reusable (S) Pyrrolidine Sulfonamide Org...	09/01/06	35,000.00	Wang
889223	RAC: Quantum Dots for Specific Melanoma Tumor Imaging	01/18/07	8,000.00	Wang
889232	NSF: Bifunctional Organic Molecule-Mediated Catalysis	04/13/07	155,000.00	Wang
889213	SNL: SURP Guantum Dots for Melanoma Tumor Imaging	10/01/06	40,000.00	Wang
801516	INBRE:	05/01/07	105,719.00	Wang
		Cumulative Total	**$2,576,705.00**	

Significant Plans and Recommendations for the Near Future

The Department of Chemistry and Chemical Biology is in an extremely fragile state. If we continue on the present pathway, it seems likely that, in less than a decade, UNM could well be the only Carnegie RU/VH University without a graduate program in chemistry. The impact of the program's absence on hopes for UNM being invited to join the AAU would probably be significant. The fact that we are making tenure track hires at a rate slower than current faculty are being lost means that, within five years, the graduate program will no longer be viable. If that is the administration's intention, that fact should be made known to the Department. If it is not, strong action needs to be taken NOW!

Future Hiring. With regard to tenure track faculty hires and losses, Chemistry's problem is not going to be solved through joint hires, such as the joint hire with Pharmacy and involving the UNM Roadmap program on the North Campus that was recently proposed. Although at first glance such interdisciplinary hires seem very attractive, they would contribute little or nothing to meeting our instructional needs. This fact does not seem to be fully appreciated by those pressing the Department to enter into such arrangements. In contrast, they apparently think that they are offering the Department a fabulous deal at no cost when, in fact, the cost is quite high..

The Department is updating its long-range plan to specify an order in which hires might reasonably be made. The fact is, however, that to maintain a viable graduate program, at least ten hires of tenure-track faculty need to be made in the next five years, and, at this point, the first four could be in any area of chemistry or chemical biology. Three of the ten will be sought during the 2007-2008 academic year. The start up packages for those ten hires will probably total at least $3 - $4 million. This staggering sum will be required to compete successfully for the

candidates who will carry the Department toward research excellence. It is rare for a competitive start up offer to be less than $250k. An experimental physical chemist planning to make measurements on a state-of-the-art instrument may require $500 to $700k or more. During spring 2006, the faculty renewed our commitment to making faculty hires into the two research areas of biologically related chemistry and materials chemistry. Should the administration decide that the required investment will be made, that commitment will still guide our choices of candidates to receive offers. Two crucial immediate concerns are the following:

(1) The recent retirements of Niemczyk and Enke and the resignation of Engen has decimated the analytical chemistry division making us unable to maintain a viable program in that area, even at the undergraduate level, without using part time instructors. A partial fix would be to hire a Lecturer to teach some of the undergraduate courses in analytical chemistry.

(2) In organic chemistry, the department is faced with four retirements in the next few years. The first (Morrow), will occur in summer 2008. Deck, Holder, and Mariano are also eligible to retire. At that point, the current group of four Professors, one Assistant Professor (Wang) and one Lecturer (Whalen) will be reduced to one Associate Prof. (Wang) and one Lecturer. (Actually, Wang is an outstanding researcher, and, if this situation is not addressed, will undoubtedly have been recruited away by another department.) These six faculty members teach in the two-semester undergraduate organic chemistry lecture program. In fall 2006, those two courses, Chem 301 and 302, enrolled about 615 students in seven sections and in spring 2007, about 535 students in six sections. Most of the students are not chemistry majors but are in other fields such as biochemistry, biology, pre-pharmacy, pre-medicine, chemical engineering, etc. If this problem is not addressed, a lot of students in other programs are going to be affected negatively. With the exception of three people we have subsequently hired as Lecturers (Bellew, Ray, and Whalen) previous experience with part-time instructors for organic chemistry has generally ranged from less than satisfactory to disastrous. Moreover, a single tenure track faculty member cannot provide a viable graduate program in organic chemistry.

The impending problem of a large group of Chemistry faculty retirements, in a relatively short time (mid to late 2000's decade), was first brought to the administration's inattention more than fifteen years ago. I was Chair then also, and I discussed it with then Dean Bill Gordon many times. It was subsequently discussed with succeeding Deans of Arts and Sciences by succeeding Chairs of Chemistry. Now, the problem has become a crisis. The problem has, of course, been

exacerbated by the growing demand for our undergraduate courses by the many students seeking to enter the study of biology, pharmacy, medicine, and other science intensive fields. Hiring a Lecturer in organic chemistry has placed a Band-Aid on a severed artery. More Lecturers could be hired, but that will do nothing to prevent descent of the Department's graduate program into oblivion.

Graduate Student Stipends. The stipends offered by the Chemistry Department to potential Teaching Assistants are very low relative to other schools in the region and to those of our peer institutions. This problem was identified in an evaluation of the Department by an external review team as far back as 1968. It has continued to be raised in the evaluations by external teams that have visited the Department in 1980, 1993, and 2003. The importance of increasing the stipends that we can offer potential graduate students cannot be over-emphasized for the following two reasons:

First, the salary we offer makes it especially hard to recruit well-trained and motivated domestic students. This fact negatively impacts the undergraduate instructional program of the Department because the people who we have available to serve as undergraduate laboratory instructors are the graduate students we can attract. The currently accessible graduate students often have a mediocre preparation and limited native ability and many are poorly motivated.

Second, in the field of academic chemistry, graduate students provide the "hands" that actually conduct research. In return, the student learns how to think about solving research problems in chemistry and how to design and carry out the experiments needed to solve a chemistry problem. It is not uncommon for an experiment to require many hours of more or less continuous attention. Most faculty members do not have the required blocks of unfettered time to carry out more than a few such experiments per semester because of teaching commitments, guiding the research of a group of students working under her/his direction, and participating in service through committee work, etc. In an active research group, the blocks of faculty time which are available for scholarship must be committed to preparing manuscripts, presentations, and proposals for grant support. When high quality graduate students are not available because stipends are not adequate to attract them, conduct of each group's research is slowed. This means that manuscripts are not submitted for lack of results. Then grants are not renewed because results are not being published. Further, TA's are not moving onto RA's (where a graduate student earns a stipend for conducting the research that will eventually become her/his

dissertation) because there are not sufficient grant funds to pay for the RA. The student must remain on a TA, which has two effects: (1) The rate of research is slowed further because of the time required for the teaching commitments of the TA, and (2) A new graduate student cannot be brought into the Department's program because there is no TA available. In this kind of environment, top quality faculty members move elsewhere in frustration. Clearly this is a downward spiral, and the Chemistry Department is caught in it! A huge impact could be made on this problem with $200k, or less than the startup cost for a single new faculty member.

Needs of the Graduate Program. Ultimately, there are no greater needs in the graduate program than the two already discussed: (1) the need for new tenure-track faculty to teach high quality courses at the graduate level and to teach graduate students how to conduct modern research in chemistry and (2) the need for competitive TA stipends. In the face of those two items, issues like an aging departmental instrument package pale by comparison.

Needs of the Undergraduate Program. By far the biggest problem faced by the undergraduate program is the loss of faculty described above. The second most important is the problem of delivering sufficient laboratory courses to meet the demand. There are two significant components to this problem: instructors and space. The latter would probably be solved for a time by construction and proper equipping of the Math and Science Learning Center that has been going through "programming" for about three years. Unfortunately, following selection of the architects last spring another four months have just been wasted in getting that building started. Whether or not sufficient funds have been provided to furnish and equip the building properly remains to be seen. When the building is completed, the General Chemistry Laboratory and Organic Chemistry Laboratory courses are scheduled to move into the new space. If built as programmed, it should provide adequate capacity to meet demand for those labs for the foreseeable future.

Finding sufficient laboratory instructors is a growing problem. Having them be able to offer a quality lab experience is an even bigger one. Because we are able to attract fewer and fewer quality graduate students to serve as TA's (see above) the quality of the laboratory instruction has continued to decline. Fortunately, as an interim solution, we have been able to draw instructors from a pool of excellent undergraduate students who have previously completed our courses. We have also started moving toward delivering the preliminary lecture in each lab section via video rather than risk enrolled students not knowing what to do when carrying out the

day's experiment because of a language barrier. What is really needed, however, are sufficient resources in the Department budget to attract a cadre of high quality, motivated graduate students to teach these laboratory courses.

Two examples of our frustration in addressing this problem follow:

(1) During the 2006 spring/summer intercession, a possible solution to the problem of students being shut out of the Organic Chemistry Laboratory course was tested. Two sections of Chem 303L were offered during that three-week period. The experiment was highly successful and helped decrease a backlog of students who had been unable to enroll in a lab section in previous semesters. The success can partially be attributed to the availability of two unusually well-qualified and experienced part time faculty members (Alisha Ray and Don Bellew) to teach the two sections. A repetition of this experiment was to be tried during the spring/summer intercession of 2007. Unfortunately, only one section was funded initially, and, by the time funds were made available for the second section to be opened, interested students had gone on to other ways of spending the time. If we are going to be serious about using this, or any other innovative approach to solving this problem, a firm commitment of funding needs to be available much earlier in the spring semester. An additional need will be another staff member to help with storeroom support of these intensive sessions while the regular staff prepare for the upcoming summer session.

(2) In fall 2005, we were desperate to open new sections of lab. What we received from the central administration was funding to make graduate students into Supplemental Instruction leaders. Perhaps such retention efforts are useful, but they need to be secondary to meeting the demand for a course. I have decided to suppress the urge to write more about this, but the key word is "micro-managing."

Space Completion of the Math and Science Learning Center is expected to alleviate the current problems of students being shut out of freshman and organic chemistry laboratory courses. During the past two years, considerable effort went into programming the various spaces that are to be built for Chemistry in the Learning Center. If the programming done is followed by the architects who design the building, and if sufficient funds are available for furnishing and equipping the labs, outstanding general chemistry and organic chemistry instructional laboratory space should result. Moving these courses into the new facilities will result in three laboratories in the current building being vacated. Room 150, the current organic

laboratory, will be maintained as an undergraduate laboratory. Chemistry 415 (soon to renumbered as 432), our capstone laboratory course will use half of this lab. The department is in the process of developing a chemical biology laboratory course that would use the other half of the room. The two freshman laboratories, rooms 109 and 207, will also be vacated. These two rooms will provide some of the space that will be needed for the tenure-track faculty to be hired as well as dedicated lab space for other upper division laboratory courses taken by our majors. Once the availability date for the new Learning Center space becomes known, funding should be sought to renovate this space into modern research/office space and laboratories for the upper division laboratory courses and research. As the number of research-active, tenure-track faculty reaches 20, the need for additional laboratory space will start to become significant, and new space will need to be identified or built for the faculty to reach its target size of 25 tenure-track faculty members.

Separations/Hires of Staff

Daniel Cano, Research Tech/Life Sciences, was terminated for cause on June 15, 2007. A lengthy review of Daniel's performance resulted in a Notice of Contemplated Action (NCA) being issued. A termination notice was eventually issued after a review of Daniel's response to the NCA. A search for his replacement is currently underway. It is anticipated that this position will be filled before the end of the 2007 calendar year.

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Steve Cabaniss

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Debra Dunaway-Mariano

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Appendices

Appendix I – Major Equipment Purchases

Asset Status Desc	Model	Manufacturer	SumOfAsset Amount
Resonator - ENDOR Cavity	Resonator ENDOR Cavity	Eq. Fab. Resonator ENDOR Cavity	$15,822.15
Spectrometer	Spec-10 100B/LN System	Princeton Instruments	$10,666.44
HPLC System	D-500 Var Wavelength Detector	Chrom Tech Inc.	$5,890.00
Resonator - ENDOR Cavity	Resonator ENDOR Cavity	Eq. Fab. Resonator ENDOR Cavity	$650.00
Resonator - ENDOR Cavity	Resonator ENDOR Cavity	Eq. Fab. Resonator ENDOR Cavity	$5,220.35
Resonator - ENDOR Cavity	Resonator ENDOR Cavity	Eq. Fab. Resonator ENDOR Cavity	$9,951.80

Appendix II –Course enrollments by Semester

Summer Semester 2006

COURSE	TITLE	INSTRUCTOR	ENRL COUNT
01CHEM 111 001	ELEM OF GEN CHEM WIT	RUBIE,N	32
01CHEM 111L011	ELEM GEN CHEM LAB-D	RUBIE,N	17
01CHEM 111L012	ELEM GEN CHEM LAB-D	RUBIE,N	15
01CHEM 121 001	GENERAL CHEM WITH LA	YANG,J	52
01CHEM 122 001	GENERAL CHEM WITH LA	HO,K	42
01CHEM 122L011	GENERAL CHEM LAB	HO,K	26
01CHEM 253 001	QUANT ANALYSIS WITH	DUNPHY,D	26
01CHEM 301 001	ORGANIC CHEMISTRY	BELLEW,D	106
01CHEM 302 001	ORGANIC CHEMISTRY	DECK,L	61
01CHEM 303L001	ORGANIC CHEM LAB	HO,K	16
01CHEM 303L002	ORGANIC CHEM LAB	HO,K	16
01CHEM 303L003	ORGANIC CHEM LAB	HO,K	14
01CHEM 303L004	ORGANIC CHEM LAB	HO,K	11
01CHEM 303L005	ORGANIC CHEM LAB	HO,K	18
01CHEM 304L001	ORGANIC CHEM LAB	HO,K	19
01CHEM 304L002	ORGANIC CHEM LAB	HO,K	16

Fall Semester 2006

COURSE	TITLE	INSTRUCTOR	ENROLLED
CHEM 111 001	ELEM OF GEN CHEM WIT	PAINE,R	112
CHEM 111 002	ELEM OF GEN CHEM WIT	RAY,A	109
CHEM 121 001	GENERAL CHEM WITH LA	BELLEW,D	196
CHEM 121 002	GENERAL CHEM WITH LA	BELLEW,D	234
CHEM 121 003	GENERAL CHEM WITH LA	BELLEW,D	73
CHEM 121 004	GENERAL CHEM WITH LA	BELLEW,D	27
CHEM 122 001	GENERAL CHEM WITH LA	WEIS,D	184
CHEM 122 002	GENERAL CHEM WITH LA	LITCHMAN,W	95
CHEM 131 001	PRIN OF CHEM WITH LA	KELLER,D	11
CHEM 212 001	INTEG ORG CHEM+BIOCH	RAY,A	51
CHEM 253 001	QUANT ANALYSIS WITH	WEIS,D	77
CHEM 301 001	ORGANIC CHEMISTRY	HOLDER,R	49
CHEM 301 002	ORGANIC CHEMISTRY	WANG,W	81
CHEM 301 003	ORGANIC CHEMISTRY	BENTLEY,P	91
CHEM 301 004	ORGANIC CHEMISTRY	WHALEN,L	115
CHEM 302 001	ORGANIC CHEMISTRY	HEYNEKAMP,J	44

CHEM 302 003	ORGANIC CHEMISTRY	DECK,L	60
CHEM 303L001	ORGANIC CHEM LAB	WHALEN,L	18
CHEM 303L002	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 303L003	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 303L004	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 303L005	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 303L006	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 303L007	ORGANIC CHEM LAB	WHALEN,L	14
CHEM 303L008	ORGANIC CHEM LAB	WHALEN,L	15
CHEM 303L009	ORGANIC CHEM LAB	WHALEN,L	15
CHEM 303L010	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 303L011	ORGANIC CHEM LAB	WHALEN,L	18
CHEM 303L013	ORGANIC CHEM LAB	WHALEN,L	14
CHEM 303L015	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 303L017	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 304L001	ORGANIC CHEM LAB	WHALEN,L	13
CHEM 304L002	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 304L003	ORGANIC CHEM LAB	WHALEN,L	11
CHEM 304L004	ORGANIC CHEM LAB	WHALEN,L	14
CHEM 304L005	ORGANIC CHEM LAB	WHALEN,L	15
CHEM 304L006	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 304L007	ORGANIC CHEM LAB	WHALEN,L	14
CHEM 304L008	ORGANIC CHEM LAB	WHALEN,L	15
CHEM 304L009	ORGANIC CHEM LAB	WHALEN,L	15
CHEM 304L010	ORGANIC CHEM LAB	WHALEN,L	12
CHEM 311 001	PHYSICAL CHEMISTRY	BROZIK,J	41
CHEM 315 001	INTRO PHYSICAL CHEM	ONDRIAS,M	63
CHEM 331L001	CHEMISTRY LAB III	HO,K	11
CHEM 331L002	CHEMISTRY LAB III	HO,K	7
CHEM 415L001	SYNTH AND STRUC LAB	KIRK,M	16
CHEM 431 001	ADV INORGANIC CHEM	KEMP,R	24
CHEM 433 001	CHEM APPL GRP THRY	KIRK,M	13
CHEM 471B002	ADV T: BIOLOGICAL PA	MARIANO,P	7
CHEM 471C009	ADV T: SOC IMPL NANO	MILLS,K	4
CHEM 471D003	ADV T: BIOORGANIC CH	DUNAWAY-MARIANO,	10
CHEM 499 001	CHEM SEM RESEARCH	KEMP,R	12
CHEM 504 002	CHEMICAL DYNAMICS	GUO,H	11
CHEM 511 001	MECHANISMS ORG CHEM	MARIANO,P	16
CHEM 515A002	T: BIOLOGICAL PATHWA	MARIANO,P	12
CHEM 537A001	ST: BIOINORGANIC CHE	TIERNEY,D	12
CHEM 540 001	ADV ANALYTICAL CHEM	CABANISS,S	15
CHEM 587D003	ADV T: BIOORGANIC CH	DUNAWAY-MARIANO,	3

Spring Semester 2007

COURSE	TITLE	INSTRUCTOR	ENR CNT
CHEM 111 001	ELEM OF GEN CHEM WIT	PAINE,R	118
CHEM 111 002	ELEM OF GEN CHEM WIT	RAY,A	112
CHEM 121 001	GENERAL CHEM WITH LA	WEIS,D	289
CHEM 121 002	GENERAL CHEM WITH LA	LITCHMAN,W	112
CHEM 122 001	GENERAL CHEM WITH LA	BELLEW,D	137
CHEM 122 002	GENERAL CHEM WITH LA	BELLEW,D	198
CHEM 122 003	GENERAL CHEM WITH LA	BELLEW,D	60
CHEM 122 004	GENERAL CHEM WITH LA	BELLEW,D	25
CHEM 132 001	PRIN OF CHEM WITH LA	KELLER,D	13
CHEM 212 002	INTEG ORG CHEM+BIOCH	RAY,A	69
CHEM 253 001	QUANT ANALYSIS WITH	WEIS,D	80
CHEM 301 001	ORGANIC CHEMISTRY	WHALEN,L	75
CHEM 301 002	ORGANIC CHEMISTRY	MORROW,C	121
CHEM 301 003	ORGANIC CHEMISTRY	WHALEN,L	92
CHEM 302 001	ORGANIC CHEMISTRY	HOLDER,R	50
CHEM 302 002	ORGANIC CHEMISTRY	WANG,W	109
CHEM 302 003	ORGANIC CHEMISTRY	BENTLEY,P	91
CHEM 303L001	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 303L002	ORGANIC CHEM LAB	WHALEN,L	15
CHEM 303L003	ORGANIC CHEM LAB	WHALEN,L	18
CHEM 303L004	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 303L005	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 303L006	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 303L007	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 303L008	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 303L009	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 303L010	ORGANIC CHEM LAB	WHALEN,L	14
CHEM 303L011	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 303L012	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 304L001	ORGANIC CHEM LAB	WHALEN,L	14
CHEM 304L002	ORGANIC CHEM LAB	WHALEN,L	14
CHEM 304L003	ORGANIC CHEM LAB	WHALEN,L	14
CHEM 304L004	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 304L005	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 304L006	ORGANIC CHEM LAB	WHALEN,L	14
CHEM 304L007	ORGANIC CHEM LAB	WHALEN,L	13
CHEM 304L008	ORGANIC CHEM LAB	WHALEN,L	15
CHEM 304L009	ORGANIC CHEM LAB	WHALEN,L	16
CHEM 304L010	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 304L011	ORGANIC CHEM LAB	WHALEN,L	17
CHEM 304L012	ORGANIC CHEM LAB	WHALEN,L	9
CHEM 312 001	PHYSICAL CHEMISTRY	YANG,J	37

CHEM 326 001	ST: NMR 200	SMITH,K	2
CHEM 332L001	CHEMISTRY LAB III	HO,K	7
CHEM 332L002	CHEMISTRY LAB III	HO,K	7
CHEM 421 001	BIOLOGICAL CHEMISTRY	DUNAWAY-MARIAN	55
CHEM 454 001	INSTRUMNTL ANALY WIT	CABANISS,S	24
CHEM 454L001	INSTRUMNTL ANALY LAB	CABANISS,S	8
CHEM 454L002	INSTRUMNTL ANALY LAB	CABANISS,S	5
CHEM 454L003	INSTRUMNTL ANALY LAB	CABANISS,S	11
CHEM 501 001	MOLECULAR STRUC THRY	GUO,H	11
CHEM 514 001	SYNTHESIS ORG CHEM	DECK,L	5
CHEM 521 001	BIOLOGICAL CHEMISTRY	DUNAWAY-MARIAN	7
CHEM 534 001	PHYS METH INORG CHEM	TIERNEY,D	6
CHEM 536 001	SYN MECH INORG CHEM	KIRK,M	7
CHEM 536 002	SYN MECH INORG CHEM	KIRK,M	2
CHEM 545 001	T: INSTRUMNTL ANALY	CABANISS,S	0

Appendix III – Undergraduate and Graduate Enrollment – By Courses

Courses	Summer 2006	Fall 2006	Spring 2007
111 Enrollment		221	230
# of Section		2	2
# of Labs		8	8
121 Enrollment	51	563	401
# of Sections	1	4	2
# Labs	3	25	17
122 Enrollment	74	309	420
# of Sections	1	2	4
# Labs	3	12	20
131 Enrollment		12	N/A
132 Enrollment		N/A	13
Chem 212		60	69
Chem 253	26	82	80
# of Sections		5	5
301 Enrollment	63	367	288
# of Sections	1	4	3
302 Enrollment	52	248	250
# of Sections	1	3	3
303L Enrollment	71	237	198
# of Sections	5	14	12
304L Enrollment	29	155	176
# of Sections	3	10	12
Chem 431		29	N/A
Chem 433		13	N/A
Chem 454		N/A	24
# of Sections		N/A	3
Chem 471B		7	N/A
Chem 471D		10	N/A
Chem 501		N/A	11
Chem 504		11	N/A
Chem 511		16	N/A
Chem 514		N/A	5
Chem 515A		12	N/A
Chem 521		N/A	7
Chem 534		N/A	6
Chem 536		N/A	9
Chem 537A		12	N/A
Chem 540		15	N/A
Chem 545		N/A	5
Chem 587D		3	N/A

Appendix IV – Graduation Report by Degree and by Semester

Undergraduate Graduates Fall 2006 and Spring 2007

LAST NAME	FIRST NAME	Degree	Semester	Year
ABDELHAQ	MIRVAT	BS	Spring	2006
COOPER	CHRISTINE	BS	Spring	2006
GLOYD	TIM	BS	Spring	2006
JACKSON-WEAVER	OLAN	BS	Spring	2006
KETTWICH	SHARON	BS	Spring	2006
MCNEELY	JOCELYN	BS	Spring	2006
TRUJILLO	ANA	BS	Spring	2006
BALCH	HEATHER	BA	Spring	2006
LATHAM	DAVID	BA	Spring	2006
MCGRATH	DAVID	BA	Spring	2006
MESHBERGER	CHAD	BA	Spring	2006
MORRISON	FRANK	BA	Spring	2006
ORTIZ	GREGORY	BA	Spring	2006
ROMERO	VICTORIA	BA	Spring	2006
THORNTON	SCOTT	BA	Spring	2006
TRAN	BO	BA	Spring	2006
VIGIL	JOLENE	BA	Spring	2006
WRIGHT	ELIZABETH	BA	Spring	2006
HEWITT	JOSHUA	BS	Summer	2006
GOMEZ	REGINA	BA	Summer	2006
CRAWFORD	CHRISTINA	BS	Fall	2006
MCINTYRE	SARAH	BS	Fall	2006
OTTLEY	LEIGH	BS	Fall	2006
SMILEY	CRYSTAL	BS	Fall	2006
THAL	DANIELLE	BS	Fall	2006
ATWAL	MANDEEP	BA	Fall	2006
AZIZI	FAROOQ	BA	Fall	2006
FARMER	ROXANNA	BA	Fall	2006
GRIEGO	DANIELLE	BA	Fall	2006
KIM	JOSEPH	BA	Fall	2006
PEREZ	WILLIAM	BA	Fall	2006
SIMONDS	MATTHEW	BA	Fall	2006
CARD	NICHOLAS	BS	Spring	2007

DYTIAPCO	ERNEST	BS	Spring	2007
GARCIA	ROBERT	BS	Spring	2007
RALPH	CLAIRE	BS	Spring	2007
RILEY	ERIN	BS	Spring	2007
VAROZ	VALERIE	BS	Spring	2007
WIDGEON	SCARLETT	BS	Spring	2007
WOODARDS	NICOLE	BS	Spring	2007
WORTHINGTON	JEFFREY	BS	Spring	2007
BAROS	CHRISTINA	BA	Spring	2007
DOMINGUEZ-GAMBINO	JANE	BA	Spring	2007
DURYEA	DANIELLE	BA	Spring	2007
E-NUNU	TIMIYIN	BA	Spring	2007
LO	AMANDA	BA	Spring	2007
MATZ	REBECCA	BA	Spring	2007

Masters and PhD Graduates Fall 2006 and Spring 2007

Last Name	First Name	Degree	Advisor	Semester	Year
BARBASH	DMYTRO	PhD	FULGHAM	Fall	2006
DAVIS	RYAN	PhD	BROZIK	Fall	2006
FU	QIANG	PhD	LOPEZ	Fall	2006
HOLT	ETHAN	MS/Thesis	BROZIK	Fall	2006
LONG	KRISTY	MS/No Thesis	CABANISS	Fall	2006
MITCHELL	JENNIFER	PhD	ENGEN	Fall	2006
PYLYPENKO	SVITLANA	PhD	FULGHUM	Fall	2006
SIBRAY	TAMARA	MS/No Thesis	CABANISS	Fall	2006
STREETMAN	BECKY	PhD	WALTERS	Fall	2006
FENTON	JEFFREY	PhD	FULGHUM	Spring	2007
HOCHREIN	JAMES	PhD	PAINE	Spring	2007
WEI	JUN	PhD	DECK	Spring	2007

Appendix V – Undergraduate and Graduate Student Awards and Scholarships

Award	Student	Amount Awarded
Undergraduates:		
Gibson	Robert Taylor	$300.00
Millican	Nicholas Card	$300.00
Mozley	Amorette Maestas	$500.00
Uhl	Rebecca Matz	$300.00
Tinoco	Valerie Varoz	$1,000.00
	Erin Riley	$1,000.00
	Claire Ralph	$1,000.00
	Amanda Lo	$1,000.00
	Scarlett Widgeon	$1,000.00
	Nicole Woodards	$1,000.00
Hughes	Ernest Dytiapco	$1,200.00
Whaley	Amanda Lo	$5,000.00
	Sam Coulter	$5,000.00
	Tyrel Bryan	$5,000.00
	Sarah Taylor	$5,000.00
	Monica Noce	$5,000.00
	Nathan Solberg	$5,000.00
Graduate Students:		
Clark-Person	Danqi Chen	$250.00
	Hong Zhao	$250.00
Smith/DOW	Hao Li	$1,000.00
Daub	Aliyar Mousavi	$1,000.00
Elicker	No Apps	

Appendix VI – Graduate Recruitment Report Fall 2006 and Spring 2007

Graduate Applications Received

SEMESTER	# ACC	COUNTRY	ETHN	GENDER
FA 06	15	CHINA	N/A	5 F/10 M
	7	USA	1 H/6 W	2 F/5 M
	1	SRI LANKA	N/A	1 F
	1	GHANA	N/A	1 M
	1	INDIA	N/A	1 M
SP 07	2	USA	WHITE	1 F/1 M

Appendix VII – New Graduate Students Fall 2006 and Spring 2007

LAST NAME	FIRST NAME	ETH	GND	ST	DRG	SEM	YEAR
CHEN	XU-XIANG	AS	M	FT	PhD	FA	2006
GAO	YONGQIAN	AS	M	FT	PhD	FA	2006
HUANG	HUA	AS	M	FT	PhD	FA	2006
KERSI	DOMINIC	AF	M	FT	PhD	FA	2006
LI	YUZHI	AS	F	FT	PhD	FA	2006
PANDYA	KEYUR	AS	M	FT	PhD	FA	2006
REILLY	GINGER	WH	F	FT	MS/NT	FA	2006
SEVERNS	VIRGINIA	HI	F	PT	MS/NT	FA	2006
UEBEL	MARK	WH	M	FT	PhD	FA	2006
XIAO	XIN	AS	F	FT	PhD	FA	2006
XU	YAO	AS	M	FT	PhD	FA	2006
ZHAO	HONG	AS	F	FT	PhD	FA	2006
ZHOU	ZHIJUN	AS	M	FT	PhD	FA	2006
PARKES	MARIE	WH	F	FT	PhD	SP	2007
SMITH	GREGORY	WH	M	FT	PhD	SP	2007

Appendix VIII–Assistantship Report by Semester

			Summer 2006	Fall 2006	Spring 2007
LAST NAME	FIRST NAME	ADVISOR	TYPE	TYPE	TYPE
MEI	YUJIANG	BENTLEY	TA	TA	TA
COX	JASON	BROZIK			RA
DAVIS	RYAN	BROZIK		TA	
DENG	YURONG	CABANISS	TA	RA	TA
KATEGELA	ESTHER	CABANISS		TA	
LUILO	GEBHARD	CABANISS		TA	TA
MCAULEY	BRIAN	CABANISS	TA	RA	TA
MOUSAVI	ALIYAR	CABANISS	TA	TA	TA
CAO	JIAN	DDM	RA	RA	RA
DU	JUAN	DDM	RA	TA	
LI	ZHIMIN (H)	DDM	RA	RA	RA
NIU	WEILING	DDM	RA	RA	RA
WANG	LIANGBING	DDM	RA	RA	RA
WANG	MIN	DDM	RA	TA	TA
WU	JINGBO	DDM	TA	RA	TA
WU	RUI	DDM	RA	RA	RA/TA
ZHANG	CHUNCHUN	DDM	RA	TA	TA
WIE	JUN	DECK	TA	TA	TA
CARTER	JENNIFER	ENGEN	RA	RA	
LI	ZHIMIN (W)	GUO	TA	TA	TA
WANG	CANHUI	GUO	RA	RA	TA
BORO	BRIAN	KEMP	RA	RA	RA
CHEN	XU-XIAN	NEW		TA	
FELIX	ANA	KEMP	RA	TA	TA
LANSING	RAYMOND	KEMP	RA	RA	RA
MRUTU	AGNES	KEMP	RA	RA	TA
SARIA	JOSEPHAT	KEMP	TA	TA	TA
WILLIAM	WILSON	KEMP	TA	TA	TA
FULTON	MEITA	KIRK	RA	TA	RA
HABTEGABRE	ABEBE	KIRK	RA	RA	RA
MALISA	RAPHAEL	KIRK	RA	TA	TA
MTEI-PETER	REGINA	KIRK	RA	TA	RA
SEMPOMBE	JOSEPH	KIRK	RA	TA	RA
SHARMA	SURABHI	KIRK	TA	TA	TA
WILLIAMS	ANTONIO	KIRK	RA	RA	RA
CHEN	DANQUI	MARIANO	RA	RA	TA
GONG	MAOZHEN	MARIANO	RA	RA	TA
LI	LING	MARIANO	RA	RA	RA
ZOU	JIWEN	MARIANO	RA	TA	RA
HABEL-RODRIGUEZ	DIANA	N/A			
YU	BEA	N/A			

GAO	YONGQIAN	GREY	[redacted]		TA		TA		
HUANG	HUA	DDM			TA		TA		
KERSI	DOMINIC	NEW			TA		TA		
LI	YUZHI	NEW			TA		TA		
PANDYA	KEYUR	NEW			TA		[redacted]		
REILLY	GINGER	NEW			TA				
SMITH	GREGORY	NEW			[redacted]		TA		
UEBEL	MARK	NEW			TA		TA		
XIN	XIAO	NEW			TA		TA		
XU	YAO	NEW			TA		TA		
ZHAO	HONG	NEW			TA		TA		
ZHOU	ZHIJUN	WANG			TA		TA		
EDICOME	CORNEL	PAINE	RA		RA		RA		
BREECE	ROBERT (MATT)	TIERNEY	RA		TA		TA		
MYERS	WILLIAM	TIERNEY	RA		RA		RA		
NJUS	BENJAMIN	TIERNEY	RA		RA		RA		
SHEN	TING	TIERNEY	[redacted]				RA		
JIANG	WEI	WANG	RA		TA		TA		
LI	HAO	WANG	RA		RA		RA		
WANG	JIAN	WANG	[redacted]		RA		RA		
XIE	HEXIN	WANG	RA		RA		RA		
ZU	LIANSUO	WANG	RA		RA		RA		

Appendix IX – Departmental Seminar Schedules – Fall 2006 and Spring 2007

Chem 623 seminars - Fall 2006

25-Aug-06	Dr. Rick Muller Sandia National Laboratories "Computational studies of transition metal catalysis" (Guo)
1-Sep-06	Dr. Horacio Olivo Division of Medicinal & Natural Products Chemistry University of Iowa "Synthesis of alkaloids: An odyssey from poison frogs to Stemona plants" (Wang)
8-Sep-06	Dr. Rex Skodje Department of Chemistry & Biochemistry University of Colorado – Boulder "The Quantum Dynamics of the F + HCl ® HF + Cl Chemical Reaction" (Guo)
15-Sep-06	Dr. Sandy Martin Department of Cellular and Structural Biology University of Colorado School of Medicine "Jumping through time: structural and functional requirements for LINE-1 retrotransposition" (Keller)
22-Sep-06	Dr. Ed Turos Department of Chemistry University of South Florida "Polyacrylate Nanoparticles: New Antibiotics for Drug-Resistant Bacterial Infections" (Wang)
29-Sep-06	Dr. Arne Gericke Department of Chemistry Kent State University "Phosphoinositide mediated cell signaling: The relationship between the specificity and spatial control of the signaling event and the physicochemical properties of phosphoinositide lipids" (Cabaniss)

6-Oct-06	Ken Doxsee Department of Chemistry University of Oregon and NSF "Green Chemistry Program in the University of Oregon" Wang
13-Oct-06	NO SEMINAR "Fall Break"
20-Oct-06	Coran Watanabe Department of Chemistry Texas A & M University "Inspiration from Nature: Natural Products in Drug Discovery Efforts" (DDM)
27-Oct-06	Dr. Matt McIntosh Department of Chemistry & Biochemistry University of Arkansas "Progress toward the Synthesis of Antascomicin-B" (Wang)
3-Nov-06	Thomas Brunold Department of Chemistry University of Wisconsin - Madison "Spectroscopic and computational insights into the biosynthesis and reactivity of coenzyme B12" (Kirk)
10-Nov-06	Dr. Weitao Yang Department of Chemistry Duke University "Simulation of Complex Biological Systems with Quantum Mechanics and Satitical Mechanics" (Guo)
17-Nov-06	Dr. Pam Shapiro Department of Chemistry University of Idaho "Nanoscale Semiconductor Materials from Molecular Single Source Precursors" (Kemp)
24-Nov-06	NO SEMINAR "Thanksgiving"

1-Dec-06	Julie Kovacs Department of Chemistry University of Washington "XX" (Kirk)
8-Dec-06	Dr. David Tierney Department of Chemistry University of New Mexico "Cobalt as Spectroscopic Probe of Zinc Biochemistry: Models to Maquettes to Metalloenzymes" (Morrow)

Chem 623 seminars - Spring 2007

19-Jan-07	Dr. R. Brian Dyer Los Alamos National Laboratory "Time-Resolved Infrared Studies of PCET" (Kirk)
26-Jan-07	Ung-Chan Yoon Department of Chemistry and Physics Pusan National University, Korea "New Phosphorescent Iridium Complexes for Organic Light Emitting Diodes) (P. Mariano)
2-Feb-07	Robert Strongin Department of Chemistry Louisiana State University "New molecular probes for chemosensing, materials and imaging applications" (Wang)
9-Feb-07	Dale Huber Sandia National Laboratory "Reversible Adsorption of Proteins on Poly(N-Isopropyl Acrylamide) and Implications to Biotechnology" (Whalen)

16-Feb-07	Prof. Changjian Feng College of Pharmacy University of New Mexico "Electron Transfer in Nitric Oxide Synthase" (Wang)
23-Feb-07	Prof. Hong Guo Department of Biochemistry & Cellular & Molecular Biology University of Tennessee at Knoxville "Understanding Enzymes, the Nature's Catalysts, from Computer Simulations" (Guo)
2-Mar-07	Prof. Kenton Rodgers Department of Chemistry and Molecular Biology North Dakota State University "Investigations of Heme Uptake and Intracellular Transport by Bacterial Pathogens" (Tierney)
9-Mar-07	Prof. G. K. Surya Prakash Department of Chemistry University of Southern California "New Fluoroalkylation methods" (Bellew)
16-Mar-07	SPRING BREAK – NO SEMINAR
23-Mar-07	Ken Karlin Department of Chemistry Johns Hopkins University (Kirk)
30-Mar-07	Joseph Fox Department of Chemistry and Biochemistry University of Delaware "Strain and Folding in the Design of Synthesis" (Wang)
6-Apr-07	Shannon S. Stahl Department of Chemistry University of Wisconsin – (Madison) "Palladium-Dioxygen Reactivity and Aerobic Oxidation Catalysis" (Kemp)

13-Apr-07	Karl Scheidt Department of Chemistry Northwestern University "New Developments and Applications of Unconventional Bond Forming Methodology" (Wang)
20-Apr-07	Yong (Jimmy) Jia Abbott Bioresearch Center "The role of enzymology in drug discovery" (DDM)
27-Apr-07	Qiao-Sheng Hu Department of Chemistry College of Staten Island and the Graduate Center of the City University of New York "Transition Metal Catalysis: New Ligands, New Catalysts and New Reactions" (Wang)
4-May-07	Seminar Cancelled (DDM)

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Annual Report

Combined BA/MD Program
College of Arts and Sciences

Fall 2006 through Summer 2007.

Philip Ganderton
Director, Undergraduate BA/MD Program

Annual Report, 2007

Combined BA/MD Undergraduate Program, College of Arts and Sciences

The College of Arts and Sciences and School of Medicine have collaborated with the Combined BA/MD Program designed to help address the need for physicians in rural and under-served areas of New Mexico. This program admitted its first cohort of students in August of 2006. It is funded by the New Mexico State Legislature and admits and promotes 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-step dual degree program wherein participating students first complete a Baccalaureate degree in the College of Arts and Sciences, and then complete an MD at the School of Medicine.

During the 2006-07 year, the program's efforts were split between recruiting and admitting the second year class comprising 28 New Mexico high school seniors and developing the curriculum and ensuring the success of the first class admitted. The School of Medicine has primary responsibility for the recruitment and admission of high school seniors into the BA/MD program. The College of Arts and Sciences has direct responsibility for the curriculum, program advisement, scholarships, and other components of the undergraduate program of the BA/MD Program, with offices located in Ortega Hall.

Directorship duties of the BA/MD Program are a partnership between the College of Arts and Sciences and the School of Medicine. Administrative 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 Richard Santos served as the Director of the BA/MD Undergraduate Program while in spring of 2007 Philip Ganderton, Professor of Economics, was appointed to succeed Prof Santos beginning Fall 2007. The BA/MD Undergraduate Program reports directly to the Dean's office and works closely with the Associate Dean for Instruction/Curriculum and the Director of Academic Advising in the College of Arts and Sciences.

Major accomplishments during the second academic year of the undergraduate component of the program include:

The Health, Medicine, and Human Values (HMHV) Curriculum: The curriculum continues to be developed as cohorts of students move through the program. The first cohort successfully completed all the required courses and gave positive feedback on the Seminar in Contours of Health in New Mexico, the first of the five program-specific courses.

Faculty Hiring and Support in the Undergraduate Program: Howard Waitzkin, with a PhD in sociology and a MD, taught the first seminar to the BA/MD students in Fall of 2006. Assistant Professor Helen Wearing was hired to begin in Fall of 2007 in the Math

and Biology departments (a joint appointment) fully funded by the BA/MD program. She will be teaching a course for the program in Spring of 2008. Gary Harrison, Professor of English, continued to serve as the curriculum coordinator for the undergraduate program and chair the program's Curriculum Committee. Other College faculty served in various capacities to the program.

Program Administrative Support and Advising Support: Karen McGillvray was hired as the Academic Coordinator for the undergraduate program. She is a professional staff member of the College of Arts and Science Advisement Office. Plans to hire staff support were initiated during the academic year, and resulted in 2 new staff hires in Summer 2006. Joyce Krantman joined the staff and provided valuable service in an administrative capacity, and Larry Grobecker was hired part-time to provide faculty support. The BA/MD program also worked with the Center for Academic Program Support to contract for summer tutorial services for the incoming first year class, and supplemental instruction during the 2006-07 academic year.

Other Student Supportive Services: Faculty and staff associated with the undergraduate program worked closely with other units (living and learning communities, housing, minority student services, academic departments, and scholarship office) to provide housing, scholarship, and special sections of course offerings for the incoming students selected for admission.

All first cohort students successfully completed their first year, some with supplemental study in Summer of 2007. The second 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 2007.

ANNUAL REPORT

Department of Communication & Journalism
AY 2006-2007 (July 1, 2006-June 30, 2007)
John Oetzel, Chair

Significant Developments

This academic year met with the completion of the building renovation and continued work towards accreditation and meeting the department's strategic plan. The department received $5,810,000 to renovate the Communication and Journalism Building in AY04-05. Additionally, the president's office provided $207,000 in instructional technology. The department chose Britton Construction/Design Plus Architects to complete the remodel and work began in May 2006. The work was completed in May 2007. During the year, the administrative offices were housed in Women Studies (Mesa Vista Hall), while individual faculty and teaching assistants did not have any office space. Meeting space was at a premium, but the sacrifice was worth it as the renovation is incredible. The information below summarizes the building renovation.

Overview

- Housed in the 31,000 square foot C & J building
- Funded by bond issue supported by student fees and money allocated by the state
- Total cost was approximately $5.81 million

Classrooms

- 11 total classrooms, 6 are completely new
- 2 computer pods (one with MACs and one with PCs)
- 4 classrooms primarily focused on public speaking
- 4 general lecture classrooms
- 1 broadcast studio with audio and visual facilities

Technology

- All classrooms have state-of-the-art instructional technologies including ceiling mounted cameras, projection systems, and computer driven presentational systems (digital audio/visual)
- Broadcast facilities have latest digital camera and editing hardware/software
- Computer pods will have latest hardware/software for instructional needs
- Wireless capabilities throughout the building

Office Space

- Office space for up to 26 faculty members
- Office space for 38 graduate students
- Flexible office space for up to 22 adjunct instructors
- Office space for 4 undergraduate students clubs/associations

Lounges/Work Space

- 4 lounges for undergraduate students, graduate students, faculty, and general use
- Computers for general use for checking e-mail and internet
- New landscaping and entryway to invite visitors and students and create a space where people want to learn, study, and lounge. All part of creating a learning community

The department held two functions around the renovation to bolster alumni and community relations. First, we held a special preview breakfast on May 31, 2007 for media professionals in the Albuquerque metro area. We have almost 50 attendees to see the space. Second, we held a grand opening open house and ribbon cutting ceremony on August 19, 2007. There were approximately 250 people in attendance and they toured the facilities, listened to presentations about the department, and attended a ribbon cutting ceremony. In attendance was an alumna from the first graduating journalism class in 1949 (Peggyann Hutchinson).

A second key development was the work toward accreditation of the journalism and mass communication undergraduate programs (this does not impact the communication undergraduate major or graduate programs). The Accrediting Council on Education in Journalism and Mass Communication (ACEJMC) is the body that details a set of nine standards for journalism and mass communication program. The program was accredited until 2002 at which time we decided to revoke our application for re-accreditation. The 2002 site visit identified some areas of improvement for the department and for the past four years we have been working on correcting these areas and engaging in proactive strategic planning to strengthen our program (see next point). Two members of the board visited in October 2006 to review a preliminary self-study and provide an assessment on our progress. Their feedback was quite favorable and helpful and they said that we should "proceed with confidence." We completed an assessment of student learning in Spring 2007 semester and completed data analysis of the assessment in May 2007. We made significant improvements in the program based on this assessment and worked toward the completion of the self-study in October 2007. The site visit from the accrediting body is in January 2008 with final decision in May 2008. The self-study is a significant undertaking as it is a thorough review of all curriculum and services in the department. The final product is a close to 500 pp. report and was worked on by eight journalism and mass communication faculty (including the chair) and the staff of the department. We are very confident the outcome will be successful.

A third significant development is work toward our strategic plan. In AY05-06, we decided that we had three goals for the department: a) to meet the needs of the diverse undergraduate students that we serve, b) to improve our research reputation of the department (including having a strong graduate program, c) to enhance our interdisciplinary and community relationships, and d) create a department climate recruits and helps to thrive people from different intellectual perspectives and cultural backgrounds. Each year, the department crafts action plans to specifically address these four goals. These plans will be reviewed annually and committees will provide a report to the faculty about progress (and change) towards goals. There is a committee associated with each goal and charged with developing and carrying out the action plan (and three different committee for the undergraduate goal since we have three majors—communication, journalism, and mass communication). Some of the work accomplished in each area includes the following:

a) Undergraduate: Completed the assessment of student learning for journalism and mass communication majors; Pilot tested an assessment plan of the public speaking course (a core course)—the revised plan will be implemented in AY07-08; Reviewed the curriculum of the journalism and mass communication majors to identify how we are meeting learning objectives; Reviewed retention and graduation statistics—found that an average of 83% of majors return each year and 87% of students who graduate from the program do so in six years.
b) Research Reputation and Graduate Program: Focused on three areas of research emphasis in the graduate program: intercultural communication, mass communication and culture, and health communication. Increased emphasis on grant writing and number of grants written and received increased substantially in AY06-07; Program in intercultural communication is ranked 3rd in the country; Identified the need to review curriculum to create a strong program and the work will be completed in AY07-08
c) Interdisciplinary/community relations: Met with our advisory board twice; Held two functions associated with the building renovation (planning for both was assisted by Rick Johnson & Company—Debbie Johnson is an alumna and member of our advisory board); Participated in grant proposal by the Latin American & Iberian Institute to strengthen the international component of our curriculum—the grant was funded and we will teach four courses in AY07-09 that have significant international aspects; Make significant efforts toward alumni relations and fundraising (in the first six months of the CY, we increased our fundraising by nearly 80% from the previous year); Worked to strengthen ties with the Robert Wood Johnson Health Policy Center and BA/MD program—a faculty member is on several RWJ committees (Oetzel) and the department will be hiring a new faculty member in AY07-08 that will have significant teaching and service responsibilities in the BA/MD program.
d) Diversity—The department created a new committee that is charged with addressing diversity; Committee created a diversity plan that identifies activities for recruiting, retaining, and helping faculty, students, and staff from diverse backgrounds; Graduation rates for students of color are higher than that of the university, but slightly below those of Whites (ranging from 68-79%);

Significant Plans and Recommendations

The future plans include plans associated with the four core goals of our strategic plan and developing resources for the department.

For undergraduate education, we will be taking the final steps toward accreditation. The site team will be on campus January 27-30, 2008. They will meet with faculty, students, administrators, and community members to determine whether our program meets the nine standards set forth by ACEJMC. We have to organize the files they request, complete the final self-study, and organize the visit. The self-study process was beneficial to the department and we have decided to repeat part of the process of coordinating and assessment the undergraduate communication curriculum this academic year. Further, we will be completing the assessment of

the core curriculum core (public speaking) this year. All of these efforts will yield data that will help to strengthen our program.

For graduate/research, we will be undertaking a coordinating of the curriculum. We are going to organize the curriculum around learning objectives to strengthen the program. We are also taking steps to enhance the research productivity of graduate students. Our students produce a lot of conference papers and we want to help them turn this into published research. Finally, the faculty has decided that we need to strengthen our public relations efforts around the research that we do. The faculty as a whole is quite productive, but we have done a poor job of communicating these results to the outside world (university, Albuquerque/New Mexico, and our discipline).

For community relations/interdisciplinary relations, we are going to continue our relationship with our advisory board. We are also going to consider ways to develop workshops that benefit the department and community. For example, we have plans to develop a department specific job fair in March 2008. We will also maintain are participation in interdisciplinary research/teaching centers such as the BA/MD program, RWJ Health Policy Center, and Center for Alcoholism, Substance Abuse, and Addictions. Additionally, we are examining ways to link with the Interdisciplinary Film and Digital Media program.

For diversity, we are going to continue are participation in recruiting fairs for high school students and consider visiting high school programs for recruiting students. The review of the journalism and mass communication programs identifying ways to strengthen the teaching of diversity and will implement these changes in AY06-07. We have contributed to a Mellon Foundation grant proposal (to be submitted in October 2008) that will create dissertation fellowships for underrepresented students in six social sciences and humanities (anthropology, sociology, history, linguistics, American studies, and communication & journalism).

Finally, we are committed to enhancing the resources of the department to meet our strategic plan. We have three approaches. First, we are continuing efforts on fundraising. We have had two calendar years (2006 and 2007) that have nearly doubled the amount of money raised the year before and will continue these efforts. We have a development committee that has identifying three goals for the coming year: increasing sales of bricks in our welcome pathway, raising money to name a room after Everett Rogers, and continue strengthening relationships with alumni. Second, we have made efforts to increase grant writing. Gill Woodall continues to be very successful in this arena with three grants and an additional one coming next AY; Olaf Werder helped to write three grant proposals last year; Ginny McDermott submitted two; John Oetzel participated in two grant proposals with another submitted in AY07-08. Other faculty (Ilia Rodríguez, Richard Schaefer, Pamela Lutgen-Sandvik, Glenda Balas, Dennis Herrick, Mary Jane Collier, & Patricia Covarrubias) all received grants/fellowships of some kind in AY06-07. We have made concerted efforts to submit more grants through the department. Third, we have realized that the building and equipment are attractive to outside media organizations. We are going to craft a business plan that focuses on the rental of equipment and space for workshops, documentaries, public service announcements, and other activities. These resources will enable us to provide funds for new equipment, travel to conferences/for research, and student awards.

Appointments to Faculty/Staff

Tema Milstein, Assistant Professor
Janet Shiver, Lecturer II
Judith White, Assistant Professor

Separations of Faculty/Staff

Jessica Flynn, Administrative Assistant II, Moved out of state

Publications/Creative Work

The department publishes a newsletter available at http://www.unm.edu/~cjdept/. Publications of individual faculty members are listed below.

Glenda Balas

Balas, Glenda. "Coming Home: Writing About Connections." *Academic Exchange Quarterly*, 10.2 (Summer 2006), 288-292

Balas, Glenda. "The Lessons of Anapra: International Service Learning and Character Education." *Journal of College and Character*, 7.7 (September 2006), www.collegevalues.org

Balas, Glenda (Producer/Writer), and Jason Balas (Videographer/Editor). "Remembering Ev Rogers" (video documentary). *The Innovation Journal* 10.3 (2006), (http://www.innovation.cc/editorial-board/roger_dedication.htm)

Balas, Glenda (Producer/Writer), and Jason Balas (Videographer/Editor). "The Long Road to Decatur: A History of *Personal Influence*" (video documentary. *The Annals of the American Academy of Political and Social Science* (2007), (http://ann.sagepub.com/content/vol608/issue1/).

Balas, Glenda. "Marginalizing Media" (book review of *Women and the Media: Diverse Perspectives*, Eds. Theresa Carilli and Jane Campbell), *Global Media Journal*, 5.8 (Spring 2006), http://lass.calumet.purdue.edu/cca/gmj/gmj_bookreviews.htm)

Patricia Covarrubias

Covarrubias, P. (2007). (Un)biased in Western theory: Generative silence in American Indian communication. *Communication Monographs*, *74*, 2, 265-271.

Janet Cramer

Cramer, Janet M. (2007). Discourses of sexual morality in Sex and the City and Queer as Folk. *The Journal of Popular Culture 40*, (3), 409-432.

Karen Foss

Charlotte Krolokke and Karen A. Foss. "Min far er staerkere end din far! Viking saed til salg" ["Made in Denmark: Viking Sperm Hits the U.S." *Webmagasintet Forum for kon og culture* [*Web Magaine Forum for Gender and Culture*], October 2006; www.kvinfo.dk/side/557

Karen A. Foss and Sonja K. Foss. "The Construction of Feminine Spectatorship in Garrison Keillor's Radio Monologues." Reprinted from *QJS* in *Contemporary Literary Criticism.* Ed. Jeff Hunter. Rowlett, TX: Gale Group, August 2006.

Miguel Gandert

Albuquerque 300 years 30 voices/ Museum of New Mexico (book)

Talking with God: Portrait of a World at Prayer: Stone Creek (book)

Llano Estacado: Island in the Sky (Featured exhibition Houston Biennial Fotofest; juried exhibition, at Houston Center for Photography)

Artistas Contemporaneos del Valle del Rio Grande/Santa Fe Community college (photography exhibition)

Bolivia/Photos by Miguel Gandert/ Texas Tech University (photography exhibition)

Heart Gallery/Natl. Hispanic Culture Center (photography exhibition)

Dirk Gibson

Clues from Killers: Serial Murder & Crime Scene Messages. New York: Barnes & Nobles, January, 2007.

Serial Murder & Media Circuses. Westport, Connecticut: Praeger Publishers, July, 2006.

The Product Recall Blame Game: Stereotypical Villains & Actual Recall Failure Factors." In Michael B. Hinner, (Ed). *Freiberger Beitrage zur interkulturellen und Wirtschafskommniukation: A Forum for General and Intercultural Business Communication. The Role of Communication in Business Transactions and Relationships.* Germany: Peter Lang Publications. (2007), 365-386.

The Value of Reputation and the Role of Public Relations. *Public Relations Quarterly.* **51:**3

(2006), 15-19. With Jenna L. Gonzales and Jaclynn Castanon.

The Relationship Between Serial Murder and the American Travel and Tourism Industry. *Journal of Travel & Tourism Marketing.* **20**:1 (2006), 45-60.

Adequate Communication & Informed Consent: The Duty to Warn, Judicial Warning Adequacy Standards, and the Federal Aviation Administration's Proposed 'Human Space Flight Requirements for Crew & Spaceflight Participants'. *Space 2006: Proceedings of the American Institute of Aeronautics & Astronautics. AIAA 2006-7346,* (2006), 1-15. With Brooke N. Weeber and Matthew D. Petrunia.

A Communication Perspective on Outer Space Tourism Stakeholder Relationships. *Space 2006: Proceedings of the American Institute of Aeronautics & Astronautics. AIAA 2006-7350,* (2006), 1-14. With Matthew D. Petrunia

Space Tourism Public Relations Purposes and Practices. *Space 2006: Proceedings of the American Institute of Aeronautics & Astronautics, AIAA 2006-1706,* (2006). With Myra Luna-Lucero and Matthew D. Petrunia.

Outer Space Tourism Public Relations Purposes, Practices and Problems. *Public Relations Quarterly. 51*:1 (Winter 2006), 29-34.

The B.T.K. Strangler vs. the Wichita Police Department: The Significance of Serial Murder Media Relations. *Public Relations Review. 32* (2006), 58-65.

Dennis Herrick

"Iowa Writes" Web publication, a joint venture of the University of Iowa and Iowa Review magazine, July 2006, at <http://itsnt166.iowa.uiowa.edu/YAH%2DDP/07092006.html>.

"Santiago Pueblo is still right there," *Albuquerque Journal,* August 17, 2006

Pamela Lutgen-Sandvik

Lutgen-Sandvik, P. (January, 2007). How Employees Fight Back Against Workplace Bullying. *Communication Currents,* 2(1). http://www.communicationcurrents.com/. National Communication Association.

Lutgen-Sandvik, P. (2006) Take This Job and: Quitting and Other Forms of Resistance to Workplace Bullying. *Communication Monographs, 73,* 406-433.

Tracy, S. J., Lutgen-Sandvik, P. & Alberts, J.K. (2006). Nightmares, Demons and Slaves: Exploring the Painful Metaphors of Workplace Bullying. *Management Communication Quarterly, 20,* 148-185.

John Oetzel

Oetzel, J. G., Duran, B., Jiang, Y., & Lucero, J. (2007). Social support and social undermining as correlates for alcohol, drug, and mental disorders in American Indian women presenting for primary care at an Indian Health Service hospital. *Journal of Health Communication, 12,* 187-206.

Oetzel, J. G., & Garcia, A. J. (2007). Managing intercultural conflict: Applying the culture-based situational conflict model. In M. Hinner (Ed.). *Freiberger beitraege: The influence of culture in the world of business* (Volume 4, pp. 157-184). Peter Lang.

Oetzel, J. G., Sanchez, C., DeVargas, F., & Ginossar, T. (2007). Hispanic women's preferences for breast health information: Character types and subjective cultural influences for communication preferences. *Health Communication, 21,* 1-11.

Zhang, Q., Oetzel, J. G., Gao, X., Wilcox, R., & Takai, J. (2007). A further test of immediacy-learning models: A cross-cultural investigation. *Journal of Intercultural Communication Research*, 36, 1-13.

Zhang, Q., Oetzel, J. G., Gao, X., Wilcox, R., & Takai, J. (2007). Teacher immediacy scales: Testing for validity across cultures. *Communication Education, 56,* 228-248.

Ilia Rodríguez

Rodríguez, I. (2007). Telling stories of Latino population growth in the United States: Narratives of inter-ethnic conflict in mainstream, Hispanic and African-American newspapers in Journalism: Theory, Practice and Criticism 8 (5), 568-585.

Rodríguez, I. (2006). The Spanish-language and bilingual press of New Orleans in the crosscurrents of journalistic trends in the 19th and early 20th centuries. Louisiana Communication Journal 8, 42-57.

Jan Schuetz

Robert Trapp & Janice Schuetz (2007). *Perspectives on argumentation* (2nd ed.). New York: IDEA press

Janice Schuetz (2007). *Communicating the law.* Prospect Heights: IL: Waveland Press.

Janice Schuetz (2007). Blogs, Arguments and the Terry Schiavo Case. In *Engaging Argument.* Ed. Patricia Riley. Washington, DC: NCA.

Janice Schuetz (2007) Review Essay: Radicals, Rhetoric, and the War, by Brad E. Lucas. *Rhetorical Review, 26*:452-455.

Olaf Werder

Werder, O. (2006). Influences on the recycling behavior of young adults: Avenues for social marketing campaigns. *Environmental Communication Yearbook 3*, 77-96.

Werder, O. (2006). The global fight against obesity: A comparative analysis of media-related causes and prevention efforts. In: Yorgo Passadeos & Dimitra Dimitrakopoulou (Eds.), *Mass Media Research: International Approaches*, (pp. 111-122). Athens, Greece: Atiner Publishing.

Werder, O. (2006). Brewing romance: The romantic fantasy theme of the Taster's Choice advertising campaign. In: Mary-Lou Galician & Debra Merskin (Eds.), *Critical thinking about sex, love and romance in the mass media: Media literacy applications*, (pp. 313-325). Mahwah, NJ: Lawrence Erlbaum.

Werder, O., Cotter, M., & Chadwick, C. (2007, April). The relative influence of fear appeals on consumer responses in commercial product campaigns. *Proceedings of the 2007 Annual Meeting of the American Academy of Advertising*, pp. 89-92.

Werder, O. (2006). Battle of the bulge: A comparative review of obesity prevention approaches in the U.S. and Germany. *Proceedings of the 2006 CDC Diabetes Translation and Obesity Conference*, pp. 155-156.

Gill Woodall

Buller, D. B., Reynolds, K. D., Yaroch. A., Cutter, G. R., Hines, H. M., Geno, C. R., Maloy, J. A., Brown, M, Woodall, W. G., & Grandpre, J. (2006). Effects of the *Sunny Days, Healthy Ways* curriculum on students in grades 6 to 8. *American Journal of Preventive Medicine, 30*(1), 13-22.

Kunitz, S. J., Delaney, H. D., Layne, L. J., Wheeler, D. R., Rogers, E. M., & Woodall, W. G. (2006). Small-area variations in conviction rates for DWI: The significance of contextual variables in a Southwestern state. *Accident Analysis and Prevention, 38,* 600-609.

Woodall, W. G., Delaney, H. D., Kunitz, S. J., Westerberg, V. S. & Zhao, H. (2007). A Randomized Trial of a DWI Intervention Program for First Offenders: Intervention Outcomes and Interactions with Anti-Social Personality Disorder Among a Primarily American Indian Sample. *Alcoholism: Clinical and Experimental Research, 31(6),* 1-14.

Blankenship, J., Starling, R., Woodall, W.G., & May, P.A. (2007). Gambling and alcohol use: Trends in the State of New Mexico from 1996 – 1998. *Journal of Gambling Studies, 23,* 157-174.

Professional Activities: Staff

Mary Bibeau, Academic Advisor: Attended the annual "National Academic Advising Association" conference held in Indiana - conference was about updates and seminars regarding advisors, policies, etc.

Sean Solowiej, Broadcast Engineer: Attended the "National Association of Broadcasters" conference held in Las Vegas, NV - conference was regarding training and exposure to updated broadcasting industry standards.

Shirley Rey Lovato, Department Administrator: Attended the "National Society of Human Resource Management" conference held in ABQ, NM - conference was regarding updates on human resource policies, litigation strategies regarding HR issues, training on HR standards and information.

Sponsored Research/Activities

Glenda Balas

Balas, Glenda, and Tony Schroeder. Research in Teaching Grant, New Mexico Center for Teaching Excellence, May 2007. Title: "Advancing Public Goals Through Private Competencies: The Role of Oral History in Teaching the Liberal Arts Tradition;" amount of grant: $1,961.00

Mary Jane Collier, Patricia Covarrubias, & John Oetzel

Evaluation of Journey's in Film. Completed an evaluation of an instructional program that utilizes foreign films to teach curricular lessons in middle school. The focus of the program is to "internationalize" the curriculum. $6,000

Dennis Herrick

$2,500 fellowship from Reynolds National Center for Business Journalism for week-long business journalism professor's seminar at Arizona State University in January 2007.

Pamela Lutgen-Sandvik

Dean's Summer Research Award, $20,000. One of only two junior-faculty grants awarded in College of Arts and Sciences, University of New Mexico (for book project: Destructive Organizational Communication).

John Oetzel

Evaluating community-based participatory research. Principal Investigator: Nina Wallerstein. The purpose of the project is to construct a model of effective community-based participatory research. 1-year project (10/1/06-9/30/07). $150,000. Role: Co-investigator

Narch III: Listening to Each Other. Principal Investigator: Nina Wallerstein. The purpose of the project is to adapt a family based curriculum for substance abuse prevention in two American Indian communities. 4-year project (9/15/05-9/14/09). $600,000. Role: Co-investigator.

Ilia Rodríguez

May 2007. Teaching grant to develop a course for the comparative study of media in Latin America. $2,500. Sponsored by the Languages and Internationalization across curriculum: Health and cultural integrity, a project funded by the US Department of Education, UISFL
Program, Latin American and Iberian Institute, UNM. Principal investigator: Cynthia Radding. The purpose of this project is to develop new curriculum across campus to provide strong international components in communication, cultural diversity and health.

Oct. 2006. Small grant to attend the workshop "Journalism, Education and the Public Good" sponsored by the Institute of Educational Inquiry in Seattle, WA. I led a five-person team of journalists and educators from New Mexico to a three-day workshop. IEI covered cost of travel, lodging and meals for the team.

Richard Schaefer

University of New Mexico TAS Grant (2006, Fall): Grant ($2996) to purchase equipment to enable students to perform multi-camera remote Web broadcasts of sporting and news events using laptops and digital cameras.

Supervisor of a Graduate (Student) Research Development Grant (2007) for $1,500 to graduate students Santhosh Chandrashekar and Laura Burton to conduct a survey evaluating the SafeTeen Safe Driving Program in Albuquerque high schools.

SafeTeen New Mexico Grant (2007) of $1,500 to produce an assessment survey of the SafeTeen Safe Driving Module in New Mexico High Schools.

University of New Mexico Office of the Vice President for Student Services Grant (2007) of $5,000 to develop a course entitled "Cross-Border Issues: In-Depth Journalistic Experiences" between the University of New Mexico and Universidad Fray Luca Paccioli in Cuernavaca, Mexico.

Gill Woodall

Woodall, W. G., Starling, R., Burris-Woodall, P. A., Buller, D., & Zimmerman, D. (2004).Website prevention of college binge drinking, 1 R01 AA014217. Proposal funded by the National Institute on Alcohol Abuse and Alcoholism, 9/15/04-8/31/08, $2,059,648.00. This project will systematically develop and test an interactive website, based on Motivational

Interviewing and Normative Perception Correction principles, to reduce and prevent risky alcohol consumption among college students.

Woodall, W. G., Starling, R., Burris-Woodall, P. A., Saltz, R., & Buller, D. (2005). Web-based Responsible Beverage Service Training, 1 R01 AA014982. Proposal funded by the National Institute on Alcohol Abuse and Alcoholism, $2,525,216, 4/1/05 – 3/31/10. This project will systematically develop a web-based Responsible Beverage Service Training website and associated management implementation website, and examine the efficacy of these websites in a randomized field trial of on-premise alcohol service sites.

Woodall, W. G., Davis, J., & Guerin, P. (2006). Treatment Sentencing and Participation for DWI Offenders in New Mexico. Contract funded by the New Mexico Dept. of Transportation, $25,000.00, period tba. This contract will fund research to examine what treatment options DWI offenders are sentenced to under recent new state law, and determine the degree to which those sentenced are adhered to.

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THE ANNUAL REPORT OF THE DEPARTMENT OF EARTH AND PLANETARY SCIENCES

July 1, 2006 to June 30, 2007

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Department of Earth and Planetary Sciences

Annual Report

July 1, 2006 – June 30, 2007
(with input from John W. Geissman, incoming Chair)

Leslie D. McFadden, 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.
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.
Grant Meyer, Ph.D., University of New Mexico, 1993.
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
Matthew Nyman, Ph.D., Virginia Polytechnic Institute and State University, 1992.

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.

PROFESSOR EMERITUS:

Rodney C. Ewing, Ph.D., Stanford University, 1974.
James J. Papike, Ph.D., University of Minnesota, 1964. (Regents Professor).

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.
Barbara Cohen, Research Assistant Professor, Ph.D., University of Arizona, 2000.
Dave Draper, Senior Research Scientist III, Ph.D., University of Oregon, 1991 – IOM.
Shengheng Huang, Research Scientist I, Ph.D., University of New Mexico, 2007.
Victor Polyak, Senior Research Scientist I, Ph.D., Texas Tech University, 1998.
Aurora Pun, Adjunct Assistant Professor, Ph.D., University of New Mexico, 1996.
Michael N. Spilde, Research Scientist III, (Institute of Meteoritics), M.S., South Dakota School of Mines and Technology, 1987.
Timothy Wawrzyniec, Research Scientist, Ph.D., University of New Mexico, 1999.
Peng Li, Senior Research Scientist I, Ph.D., University of Virginia, 2003.

POST-DOCTORAL RESEARCH SCIENTISTS:

Jamie Barnes, Ph.D., University of New Mexico, 2006
Joya Tetreault, Ph.D., University of Colorado, 2007

ADJUNCT PROFESSORS:

Bruce Allen, University of New Mexico, 1993.
Warren S. Baldridge, Ph.D., Caltech University, 1978.
M. Susan Barger, Ph.D., Pennsylvania State University, 1982.
John D. Bloch, Ph.D., The University of Calgary, 1989.
Fraser E. Goff, Ph.D., University of California, Santa Cruz, 1977.
Grant H. Heiken, Ph.D., University of California, Santa Barbara, 1972.
Claudia Lewis, Ph.D., Harvard University, 1994.
Spencer G. Lucas, Ph.D., Yale University, 1983.
Sean McKenna, Ph.D., Colorado School of Mines, 1994.
Duane M. Moore, Illinois State Geological Survey
Matthew Nyman, Ph.D., Virginia Polytechnic Institute and State University, 1992.
Donald Peterson, Ph.D., Stanford University, 1961.
Aurora Pun, Ph.D., University of New Mexico, 1996.
Walter C. Riese, Ph.D., University of New Mexico, 1980.
John Shomaker, Ph.D., University of Birmingham (United Kingdom), 1995.
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.

STAFF:

Mary Bennett, Accountant II
Mabel T. Chavez, Editorial Technician
Shannon Clark, Program Coordinator, Institute of Meteoritics
Eileen Embid, Editorial Specialist
Gilbert E. Griego, Harding Mine Maintenance Mechanic
Cindy Jaramillo, Administrative Assistant III
LeeAnn Lloyd, Administrative Assistant II, Institute of Meteoritics
Robert Macy, Research Engineer II
Paula Pascetti, Department Administrator
Florine Rietmeijer, Lab Assistant
Anthony Velardez, Facilities Service Technician

Peter Kindilien, Systems Analyst 3
Morgane Le Brun, Research Tech, Physical Sciences
Amy Luther, Field Research Assistant
Andrew Elkshoulder, Research Tech, Physical Sciences
Patricia Halcli, Technical Editor

Corey Fincher, MS, University of New Mexico, 2005
Michael Crane, MS, University of New Mexico, 1997

VISITING SCIENTISTS:

Roberto Molina-Garza, UNAM
Michael Petronis, New Mexico Highlands University
Daniel Holm, Kent State University
Kent Condie, New Mexico Tech
Ulrike Werban, UFZ-Centre for Environmental Research in Leipzig, Germany
Morgane LeBrun, Ecole Normale Superieur de Geology, Nancy, France
Leslie Melim, Western Illinois University
Dr Jeff Grossman, USGS, Reston,
Rhawn Denniston, Cornell College

DEPARTMENTAL STANDING COMMITTEES, 2006-2007[1]

GRADUATE COMMITTEE

J. Selverstone
A. Brearley
P. Fawcett
T. Fischer (Sabbatical 06-07)
J. Galewsky
Y. Asmerom
L. Scuderi (Sabbatical Fall 06)

ADMISSIONS COMMITTEE

G. Meyer
Z. Sharp
C. Agee
J.W. Geissman
R. Jones
G. Weissmann

INSTRUMENTATION FACILITIES

J.W. Geissman
C. Shearer
T. Fischer (Sabbatical 06-07)
Y. Asmerom
C. Agee
V. Atodorei
A. Brearley

UNDERGRADUATE COMMITTEE

G. Smith
B. Kues
L. Crossey (Sabbatical Fall 06)
K.E. Karlstrom (Sabbatical Fall 06)
D. Gutzler
M. Nyman
M. Elrick

COMPUTATIONAL FACILITIES

M. Roy
J. Connolly
P. Fawcett
J. Galewsky
D. Gutzler
T. Wawrzyniec
(Graduate student computer TA; John Hurley)

GEOCHEMISTRY LABORATORY COMMITTEE

Z. Sharp
L. Crossey (Sabbatical Fall 06)
Y. Asmerom
M. Ali
M. Elrick
J. Selverstone
G. Weissmann

FACULTY PRODUCTIVITY ASSESSMENT

L.D. McFadden
A. Brearley
R. Jones
B. Kues
L. Scuderi

COLLECTIONS COMMITTEE

B. Kues
G. Smith

GRADUATE ADVISOR

J. Selverstone

[1] Committee Chair underlined.

UNDERGRADUATE ADVISORS

L. Crossey (Sabbatical Fall 06)
D. Gutzler (Honors Environmental Science)
M. Elrick
P. Fawcett (Env. Sci. Course Equivalence)
G. Weissmann (Environmental Science)

LIBRARY LIAISON

B. Kues

VEHICLES

J.W. Geissman
P. Pacetti
A. Velardez

SAW ROOM

T. Wawrzyniec

ALUMNI NEWSLETTER EDITOR

B. Kues

APPOINTMENTS AND SEPARATIONS

APPOINTMENTS TO FACULTY

None

SEPARATIONS FROM FACULTY

Michael E. Campana, Ph.D., University of Arizona, 1975.
Elizabeth Ritchie-Tyo, Ph.D., Monash University, Australia, 1995.

SEPARATION FROM STAFF

Mogane Le Brun
Amy Luther
Andrew Elkshoulder
Florine Rietmeijer, Laboratory Assistant
Patricia Halcli

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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 2006-2007. It also includes, when appropriate, some relevant information for the Institute of Meteoritics (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 2006. 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 many people both within and outside of the University, we have endeavored to make it as complete as possible.

During academic year 2006-2007, the faculty of the Department of Earth and Planetary Sciences consisted of 21 regular tenured or tenure-track faculty, 1 Lecturer and 8 Senior Research Professors and/or Research and Research Associate Professors. In addition, 12 Ph.D.-level research scientists (5 within IOM and 1 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 endeavors. Also, the Department has five emeritus faculty members, most of whom have offices in Northrop Hall and who are still actively engaged in scientific research. Finally, the Department has a large number of Adjunct faculty members, 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 who have chosen to spend perhaps the last, but highly productive years of their research careers at UNM. The Departmental faculty is thus augmented by a considerable number of other 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 significant ways to the research capabilities and scholarly reputation of the Department.

Permanent scientific staff also includes several technicians and Research Associates. The office administrative, clerical, and support staff also contribute vitally to the functioning of the Department. 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 2006-2007 academic years, as indicated by total student credit hours (SCH), totaled 8813 for regular courses, and 10177 counting Natural Sciences courses (see Table below). These figures represent a healthy increase from the previous 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 three summer courses (E&PS-319L and 420L in early summer in 2007, and E&PS 453 in late summer, 2006) as well as student credit hours generated by courses that are part of the now six -year old Department degree program in Environmental Sciences (Env. Sc.). The Department's SCH figures for the past 10 years are given below.

Year	SCH	SCH (with Natural Sciences)	% change from previous year	
			regular	Inc. N.S.
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	10190	+2.58	+1.28
2005-06	8653	9977	-3.10	-2.09
2006-07	8813	10177	+1.8	+2.0

Over the past eight years, there has been an overall increase of 75% (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 our core E&PS courses is at near record highs, and is seriously taxing our teaching facilities.

In the past several annual reports, we have emphasized the considerable increases in E&PS enrollments since 1999-00. These increases occurred not just because overall enrollments at UNM have increased. The percentage increase in SCH for Earth and Planetary Sciences is considerably larger than the overall increases in SCH for both UNM as well as the College of Arts and Sciences over this time period. The increases are thought to reflect mainly the increasing popularity of the Environmental Sciences 101 (Blue Planet) sections and associated laboratory course, Env. Sc. 102L. Accordingly, in the report from two years ago, we also indicated that we were most appreciative for receiving additional TA and GA support (mainly associated with the "Success funds") to aid in the Department's academic mission in recognition of the need for additional TAs and related support associated with the increased enrollments and new laboratory sections. The small decreases in student credit hour production we observed in the 2005-06 AY (again, the first after six straight years of increases) seems most likely to reflect the overall slight downturn in UNM and College enrollments also observed during that AY. In our last report, we emphasized that we were not overly concerned that this relatively small decrease was indicating the inception of a worrisome, longer-term trend. This past 2006-07 AY numbers are consistent with overall strong course enrollments over the past several years. Nevertheless, the faculty does understand the importance of maintaining these enrollments, and when possible, attempting to increase them in measured and appropriate 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 2006-07. The small number of courses taught by "Part-time Instructors" are by researchers who have a strong affiliation with the Department, often through "Adjunct Professor" status, such as Dr. Aurora Pun, Dr. Thomas Williamson (Dinosaurs and their World); Dr. Susan Barger (Ceramics and Earth Materials), and Dr. Tim Wawrzyniec (Petroleum Geology, and New Mexico Field Geology).

In the Fall of 2006, Dr. John Geissman and Dr. Grant Meyer led a seminar for graduate students in Topics in Tectonics, a seminar that involved field travel to the Yellowstone/Snake River Plain area as well as several major uplifts of the Central Rocky Mountains. In the Spring of 2007, Dr. Laura Crossey offered a special 400 level course in Environmental Field Methods, a timely course needed by our increasingly large group of Environmental Science majors. Dr. Rhian Jones also offered new courses at the 400 level entitled Analytical Methods in Geochemistry. Both faculty members intend to use this experience as a basis for the development of formal, new courses essential to our curriculum. After an initial complete overhaul of a critical course in the undergraduate degree program, E&PS-433 (Statistics and Data Analysis), last year, Drs. Dave Gutzler and Mousumi Roy continued to develop a very well-subscribed, and completely redesigned and reorganized course. On the basis of their experience teaching this course last year, they will again co-teach the course during the 2007-08 AY. Dr. Dave Gutzler also led a new graduate seminar (E&PS-548) on the topic of "drought". This seminar proved to be quite popular amongst graduate students, not the least because of the highly timely nature of this topic, one of great interest to the good citizens of the State of New Mexico. Finally, Dr. Joe Galewsky introduced a new course (Environmental Mechanic, 467/567) and had 12 students participate in the class in Spring, 2007.

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 2006-2007, 16 classes were offered, again producing over 1300 student credit hours, a significant contribution to the total SCH produced by the Department. The continuing integration of Natural Sciences Program and geoscience education into the Department is an important goal for the Department. Dr. Matthew Nyman, appointed in a new Assistant Professor Lecturer position 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. Late in the 2006-07 AY, a search was conducted for an additional Lecturer position in the Natural Sciences Program, and that position will be filled in January, 2008, by Amy Ellwein, PhD candidate in the Department of Earth and Planetary Sciences, who will be completing her PhD in Fall, 2008.

3. Summer Course Offerings

During late Summer, 2006, the Department conducted the Field Volcanology Course (E&PS-453), which, historically, has been taught every other year. During the early part of Summer, 2007, the Department conducted its 3-week Introductory Field Geology (E&PS-319) and Advanced Field Geology (E&PS-420) courses as well as E&PS 101, and E&PS 105L.

Curriculum Changes and Outcomes Assessment

There were no significant changes in curriculum in 2006-2007.

Plans for outcomes assessment occupied a considerable amount of time by several faculty in the Department, in particular during the Spring semester, in anticipation of a formal outcomes assessment program in place at UNM. Nevertheless, the Department does continue to utilize many procedures adopted during the last attempt by the University to develop such program. 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 designed to fulfill "capstone course" goals.

Research and Publication

The faculty, research staff and students of the Department continued their high level of productivity in research in 2006-07. 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 in 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, just as a university's stature depends mainly on the scholarly activities of its entire faculty. Indeed, the highly favorable outcome of the external review of the Department in the 2003-04 AY strongly reflects this. Notably, with an essentially non-changing instructional and general (I&G) budget (thus decreasing), overhead return funds have been used for a wide range of purposes to augment research activities in the Department. 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 2006-07, members of the Department tenure-stream faculty produced over one hundred publications, including primarily scholarly papers in refereed journals and edited volumes, but also including 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, 2006). Department and IOM research scientists and graduate students collectively also published a large amount of research (see The Annual Report of the Institute of Meteoritics, 2005). Department faculty, staff and students also were included as contributing authors on over 150 abstracts of papers presented at numerous professional meetings and conferences. Although publications by Department Adjunct faculty are not formally included in this report, many of them 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 a few other Adjunct faculty members.

As in past years, graduate students and several undergraduates participated significantly in the Department's publication effort (see section IV). Many refereed papers published in 2006-07, 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 Philadelphia, over 15 students, including two undergraduates, presented their research; at the Fall American Geophysical meeting, 12 students, including one undergraduate, presented their research work. Numerous graduate students also presented work at Sectional Meetings of the Geological Society of America and at the Spring Meeting of the New Mexico Geological Society. The Department faculty continues to be absolutely committed to involving students at both the graduate and undergraduate level in research, 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 careers in the Earth Sciences.

E&PS and IOM have and continue to be very successful in acquiring substantial amounts of funding from several external agencies in support of its research and teaching mission (see section III, part 3). Contracts and grant awards to faculty and staff in the Department of Earth and Planetary Sciences during 2006-07 totaled over $2.5 million, with over 45 active research grants held by faculty in Earth and Planetary Sciences. Also, research scientists and E&PS faculty in the Institute of Meteoritics were awarded over $2.0 million in funding associated with several grants, mostly associated with research supported by NASA as well as the frist phase of a Congressional Earmark for the Astromaterials Facility. In a combined effort with the School of Engineering, the Department was successful in obtaining funding ($675,000) from the National Science Foundation for a focus ion beam scanning electron microscope (FIB/SEM), which will be installed in the Electron Microbeam Analysis Facility in the basement of Northrop Hall in late summer 2008. This instrument represents a 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, nanomachining and nanofabrication. The successful proposal with Professor Abhaya Datye, Chemical and Nuclear Engineering as Principal Investigator and coPIs Adrian Brearley (E&PS) and Zayd Lesemann, Mechanical Engineering was funded through the NSF Major Research Infrastructure Program.

UNM scientists in other Departments or Colleges 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 of 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 2005 that were not externally funded or published upon during the year (see Section 3). Notably, Drs. Galewsky and Gutzler were recepients of College of Arts and Sciences funding (Research Summer and Research Semester) to stimulate new research activities. Drs. Elrick and Geissman were recipients of RAC funding. Eventually many of these creative works do ultimately receive funding following the second or even third time they are submitted, 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. E&PS faculty understand the significance 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 our administrators also understand 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 and funding levels insofar as tenure, promotion and other important measures of achievement are recognized the 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 2006-2007. These activities include service on the 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 are a 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 2006 as it has been in the past. For example, Dr. Karlstrom is currently serving a four-year term as co-Editor of the Bulletin of the Geological Society of America. In addition, Dr. Geissman, who was the GSA Bulletin Editor for six years from 1995-01, is currently the chief science editor for Eos, the weekly news journal of the American Geophysical Union, an international society of over 50,000 members. 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 public 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 nature of this service include: (1) Invited specialty talks to groups in the community (e.g., Indian Pueblo Cultural Center, New Mexico Native Plant Society, Rotary Club) (2) Participation in radio programs broadcasting features involving diverse topics in the Earth and Environmental Sciences (e.g., KUNM); (3) Several article contributions to the Albuquerque Journal and many other major newspapers; (4) 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 (rocks, minerals, fossils, New Mexico geology) and the other to meteorites. These museums are open each weekday, are free, and are visited by thousands of school children and adults each year. 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 2006-07; 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 AY 2006-07. Although this does not pertain to 2006-07, our museums were recently highlighted in Dr. Mike Mares'' "Linking Time, Place and Culture: The Museums and Collections of UNM" presentation on Monday, 1 October, 2007, as part of the UNM Connect celebration week.

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 2006-07, the Department was again pleased to help support and sponsor this historically very successful 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. Over 1000 people visited the Harding property in 2006-07, and they came from all over the country (see Appendix). Among the visitors were mineralogy and field geology classes from several other universities, in addition to students from UNM. Clearly, the Harding Mine is very well known to geologists and amateur rock hounds and mineral collectors, and in maintaining and operating it, the

University and Department perform a notable 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.

GENERAL DEPARTMENTAL ACTIVITIES

Facilities

Capital Improvements

Unlike previous years, a number of major and minor capital improvements took place in Northrop Hall this past year, although, as we continue to point out in these Annual Reports, additional upgrades are still clearly needed. In Spring, 2004, the College, with help from the UNM Physical Plant, supported the costs of purchasing and installing a backup electrical power generator for specific analytical research facilities in Northrop Hall. This system was installed in the Fall of 2005. With increasing need for a superior backup power generation system, the Department was able to upgrade this initial system in Spring, 2007, using funds provided by the College, Department, and Institute of Meteoritics. As noted in last year's report, the presence of such a system is crucial to Northrop Hall, as several times in the past few years, unplanned power outages caused serious damages to instruments in the Department's laboratories at a cost of several thousand dollars and lost research and teaching time.

As noted in the Annual Report from two years ago, recently departed Provost Dasenbrock had developed a plan to use bond funds to construct a new building that would house the "Science and Math Learning Center". With the passage of the state bond issue, about $25,000,000 is available to support construction of a new four or five story building that will house the Department of Mathematics, and also freshman Chemistry laboratories, some biology laboratories and large lecture halls and computer-based classrooms. The Department will have about 5000 square feet of space designated in this new building for the Natural Sciences Program labs and classrooms and E&PS and EnvSc labs. This new space would 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.

In 2006-07, no institutional requests for new equipment and major capital improvements were submitted, as no University-level funds were then available to support them.

We continue to upgrade the Department's facilities, including those directly related to teaching, as needed with available funds. In 2006-07, the faculty voted on a proposal to utilize the annual College "Instructional Equipment Allocation funds to upgrade the Department' portable classroom computational and digital projector facilities. The proposal was funded by the College, and new projector/computer facilities were in place by the start of the Spring, 2007, semester. These new facilities have been used for several, if not most, of the Department's classes.

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 and high-tech centers on campus, as well as institutions outside UNM (e.g., the National Labs). 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 on budgets.

As in several previous years, in 2006-2007, the Department used a part of its IDC return funds to help support successful cost-share proposals to acquire new equipment. One example is a recently successful proposal to the Instrumentation and Facilities Program of the Earth Sciences Division of the NSF by Drs. Roy, Geissman, and Wawrzyniec (Senior Research Scientist) to acquire a high-sensitivity automated gravimeter for studies related to tectonics at a very broad range of scales. As another example of the use of IDC return funds, the Department partially

supported a major addition to the stable isotope laboratory. Spurned by a number of rapidly emerging research projects, the lab was in need of a large radius mass spectrometer in order to be able to analyze carbon monoxide (needs of Maya Elrick) and ^{17}O (Rhian Jones, Adrian Brearley). The laboratory negotiated the purchase of 'used' instrumentation from the University of Iowa for the sum of $35,000. The instrumentation is valued at well over a half a million dollars if purchased new. The equipment was installed on the third floor of Northrop Hall in May, 2007, and has lived up to all expectations. The laboratory also received a gift from a private company of a VG mass spectrometer and some very worthwhile peripherals, such as microbalances, etc. valued at about $100,000. The stable isotope laboratory is now able to fill the needs of all current users, making analyses that could not have been done with previously existing equipment.

In addition, 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 2006-07, 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 used to support renewal of software licenses critical for both research and education (e.g., ARC-GIS) as well as new software applications. Our Department Computational Facilities Committee has recognized the acute need to replace our very old large format plotter and for additional memory storage related to the Department server.

4. Teaching Facilities

Two significant upgrades to teaching facilities took place during 2006-07. In June, Dr. Les McFadden, as Chair of the Department completed and submitted a proposal to the Frank and Marie Gorham Foundation for funding for a complete renovation/modernization of Room 105, the classroom used for undergraduate program core classes in petrology, sedimentology, and structural geology. We learned in July, 2006, that the proposal had been accepted, and that $ 80,000 had been generously donated to the Department for this project. Most of the renovation of the space took place over the winter break between academic semesters, and was essentially completed by late January, 2007. The Department hosted a celebration for the new teaching facility in early May, 2007, when the entire Gorham Family, including Marie Gorham, could attend. Support from the Gorham Foundation also allowed for the installation of ceiling mounted digital projectors in two additional classrooms, rooms 340 and 115. With generous support from Pat and Jean Marie Gratton, in memory of Professor Sherman Wengerd and his wife Florence, the Department was also able to renovate and substantially upgrade room 146, which is used for Department faculty meetings, graduate examinations, numerous relatively small classes, and many committee meetings as well as spur of the moment meetings. Mr. Bill Tondreau, well-know digital photographer from the Placitas area, donated some of his artwork to the room.

On a different note used at the end of the Spring, 2007, semester, the Department did lose a relatively well-used teaching space (room B-19) for Earth History and Paleontology laboratory sessions, as well as numerous small graduate classes and informal meetings. At the time of preparing this report, the space is currently being renovated into an entirely new research facility for Dr. Penny King, a new Senior Research Scientist in the Institute of Meteoritics. Although E&PS faculty were, overall, concerned about the loss of teaching space in Northrop Hall, we collectively recognized that, in the long term, with the completion of the Math/Science Learning Center, a new, and adequately renovated space for teaching Earth History and other laboratory sections would be defined.

Recruiting Visits

The Department was not visited by any large companies in the petroleum and energy resource areas during the 2006-07 period. However, representatives from Shell Oil did request that we send several of our graduate students to Houston, for an all expenses paid geosciences graduate student "fair" in Houston in August, 2007. Two of our graduate students who participated in the fair were offered permanent jobs upon completion of their graduate degrees. Shell Oil has expressed interest in visiting the Department for recruiting purposes this academic year.

Professional Lectures given in the Department during the 2006-2007 academic year are listed below:

Date	***Speaker***	***Title of Presentation***
8/25/06	Leslie D. McFadden	Chair, E&PS, UNM, Introduction of New and Returning Graduate Students, Faculty and Staff.
9/01/06	Thorsten Becker	University of Southern California, "Seismic Anisotropy: Lots of Ins and Outs, What Have Yous"
9/08/06	David Benson	Colorado School of Mines, "Aquifers and Streambeds as Fractal Filters: Fractal Calculus in our Back Yard"
9/15/06	Mehdi Ali	University of New Mexico, Earth and Planetary Sciences, John Archuleta, and Leroy Garcia, UNM, Safety Health and Environmental Affairs, Safety and Dealing with Hazards Chemicals, Is It That Important?"
9/22/06	Andy Manning	U.S. Geological Survey, "Mountain-Block Recharge: Fact or Fantasy?"
9/29/06	Wolfgang Elston	University of New Mexico, Earth and Planetary Sciences, "The Amazing Proterozoic Bushveld Complex, South Africa: A Tale of Two Catastrophes"
10/06/06	Fred Longstaffe	University of Western Ontario, "The (Anti) Climate Life of a Stable Isotopist: Hard Lessons Learned From The Great Lakes Basin"
10/13/06	FALL BREAK	NO COLLOQUIUM
10/20/06	Joya Tetreault	University of Colorado, Boulder, "Oblique Deformation Within Fault-Related Folds"
10/27/06	Andreas Luttge	Rice University, "Mineral Dissolution – What We Know and What We Do Not Know"
11/03/06	Mark Schmitz	Boise State University, "New Insights Into Continental Lithospheric Mantle Evolution From U-Pb and Re-Os Geochronology"
11/10/06	Craig Bethke	University of Illinois, "M. King Hubbert and the Birth of Modern Groundwater Hydrology"
11/17/06	Eileen Poeter	Darcy Distinguished Lecturer, Colorado School of Mines, "All Models Are Wrong: How Do We Know Which Are useful?
11/24/06	THANKSGIVING	No Colloquium
12/01/06	Meenakshi Wadhwa	Arizona State University, "High Resolution Chronology From Extinct Radionuclides: A New and Clearer Picture of the Early Solar System"
12/08/06	Mel Strong	University of New Mexico, Earth and Planetary Sciences, "Getting High for Science: Deducing Moisture Transport Into New Mexico With Hydrogen Isotopes"
1/19/07	Neil Tabor	Southern Methodist University, "The Dirty Little Secrets of Climate Change: Paleosol Geochemistry as Insight to a Greenhouse Worlds"
1/26/07	Steve Henry	Geolearn Inc., "Diachronous Rifting of the South Atlantic: New Evidence From Deep PSDM Reflectors"
2/02/07	Julio Betancourt	U.S. Geological Survey, "An Environmental History of the Atacama Desert: Nature's Experiment at the Edge of Life"
2/09/07	Stein Jacobsen	Harvard University, "Isotopic Constraints on the TimeScales of Earth's Differentiation"
2/16/07	Kelin Whipple	Arizona State University, "Topographic Expression of Spatial and Temporal Patterns of Rock Uplift"
2/23/07	Harrison Schmitt	NASA Astronaut (Former), "A Field Trip To the Moon"

3/02/07	Mark E. Patzkowsky	Pennsylvania State University, "The Late Ordovician Mass Extinction: Something New About Something Old"
3/09/07	Mary Lou Zoback	U.S. Geological Survey, Caswell–Silver Distinguished Lecture, "Forecast: Strong Shaking With a Chance of Liquefaction-Predicting Earthquakes and Their Effects"
3/16/07	SPRING BREAK	NO COLLOQUIUM
3/23/07	Jay Quade	University of Arizona, "Paleoaltimetry of Tibet"
3/30/07	Eli Silver	University of California, Santa Cruz "The Central American Subduction Factory"
4/06/07	Paul Renne	University of California, Berkeley, "Flood Basalts and Mass Extinctions: Coincidence, Causality, or Corollaries?"
4/13/07	John Fleck	Albuquerque Journal, "Communicating Science: What The News Media Can Do, And What It Can't"
4/20/07	Peter Holterhoff	Texas Tech University, "Sequence Stratigraphy in The IceHouse World: Upper Pennsylvanian Basin-Fill Architecture, Mid-Continent, North America"
4/27/07	David Hodell	University of Florida, "The Role of The Southern Ocean in Atmospheric pCO_2 Change"
5/04/07	Dennis McQuillan	New Mexico Environment Department, "Air, Water, Food and Sex: An Overview of Environmental Issues in New Mexico"
5/04/07	Undergraduates	**Caswell Silver Undergraduate Research Symposium** Introductions, University of New Mexico, Earth and Planetary Sciences Opening Comments – Dr. Laura J. Crossey and Dr. David Gutzler
		Presentations of Completed Research Projects **Introductions by Project Advisor**
	Johanna Blake	"The Gabbros of Monhegan Island, Maine: Formation in an Arc, or at a Mid-Ocean Ridge?" Advisor: Dr. Jane Selverstone.
	Joanna Ryter	"Climate Change and the Rio Grande Compact." Advisor: Dr. David Gutzler.
	Greg Peacock	"Anisotropy of Magnetic Susceptibility and Paleomagnetism of the Mid-Tertiary Three Peaks Laccolith, Iron Axis Province, SW Utah." Advisors, Dr. John W. Geissman and Dr. Michael Petronis.
	Caleb Lewis	"The Microvertebrate Fauna of the Late Cretaceous (Late Santonian – Early Campanian) Menefee Formation of Northwestern New Mexico, and its Paleoecological Implications." Advisor: Dr. Thomas Williamson.
	Lani Tsinnajinnie	"Assessing Geothermal Resources in Truth or Consequences, New Mexico: Using a Silica Geothermometer." Advisor: Dr. Laura J. Crossey.
	Michael Petersen	"Hydrothermal Alteration in the Bosumtwi Impact Structure: Evidence from 2M1-Muscovite, Alteration Veins and Fracture Fillings." Advisor: Dr. Horton Newsom.
		Research Progress Reports **Introductions by Dr. Laura J. Crossey**
	Brandi Chron	"Geochemical Energy for Microbial Metabolism." Advisor: Dr. Laura J. Crossey.
	Eric Tegtmeier	"Unveiling Santa Fe's Rock Shocking Secret: What Impact will it have on Breccias in the Southern Sangre De Cristos?" Advisor: Dr. Horton Newsom.

Advanced Environmental Science Class Presentation
Professor Laura J. Crossey
"Spatial and Inter-Annual Comparisons of Evapotranspiration and Hydro-Chemistry in Middle Rio Grande Riparian Ecosystems".
"Seasonal and Interannual Influences on Water Quality, Jemez River, Northern New Mexico."

Structural Geology Class Presentation
Professor Karl E. Karlstrom
"Structural Geology of the Carrizo Arroyo Area: Laramide Structures, Rio Grande Rift Structures, and Neotectonic Incision History."
Laramide Structures: Thomas Sower, Mitchell Reese, Johanna Blake, Faye Peters.
Rift Structures: Mark Poindexter, Peter Van Patten, Hynda Walls.
Incision History: Crystal Tulley, David Anderson, Leslie Livengood.

ALUMNI INITIATIVES AND SUPPORT

As noted in the past Department Annual Reports, the Department is very fortunate to be financially and morally supported by a large group of active and enthusiastic alumni. As current (effective July 16, 2007) Chairperson of the Department, I break from a bit of tradition and emphasize, to an even greater degree, how important alumni support of Department activities has been in the past, and must continue to be in the future. A key goal of mine is to enhance our outreach to our alumni. For the past five years, I have been the Chair of my alma mater's alumni advisory board, as part of a public institution of higher education with the largest public endowment in the nation. Alumni support is crucial to the lifeblood of an institution, and in a Department like Earth and Planetary Sciences, it makes, literally, all the difference in the world between a fair department and one that can truly compete, at all levels, with overall far better supported institutions across the nation. If I am Chair for four years or for eight years, I promise to dedicate my most sincerest efforts to make our alumni appreciated and cultivate that appreciation for the betterment of Earth and Planetary Sciences.

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 has also worked closely with College Development staff, such as Sachiko Isobe (we most regret her very recent departure!) and Jane Midgley, to engage in new activities related to development. 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 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. As noted in a previous section, the Department was the recipient in 2005-06 of another large donation from the Frank and Marie Gorham Charitable Foundation that has supported modernization of classroom facilities, which was completed in Spring, 2007, and has recently received another large donation from the Foundation. About half of this recent increment of support is being used to develop the Department's abilities in field, GIS-based computer endeavors through the purchase of ten (10) Geopads, which are exceedingly ruggedized tablet-type computers, and related support equipment. The other half is being used to augment stipends for incoming graduate students for the Fall, 2008, semester. 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 this most recent generous gift has come to pass.

The endowments in the UNM Foundation associated with the Department account for over a quarter 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) 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.

Thanks to the efforts of Pat Gratton and several additional alumni who have maintained careers in the oil and gas industry, a long-standing tradition at the annual American Association of Petroleum Geologists was the "Rio Rats" alumni gathering. In efforts to revitalize the Department's connection to the gathering, Drs. Geissman and Wawrzyniec, along with Jane Midgley, attended the AAPG meeting and Rio Rats gathering in April, in Long Beach. The three pledged to continue participating in the alumni event each spring.

Caswell Silver Foundation

The most important source of alumni support to the Department is the Caswell Silver Foundation. Funds generated by the investments of the Foundation in 2006-07 provided full-time support, including stipend, tuition, medical insurance, and a research budget, for the Leon Silver/Vincent Kelley graduate student Fellows Lyman Persico and Dan Breecker. It also subsidized much of the travel expenses of faculty members participating in professional meetings. As pointed out in previous Department annual reports, the faculty recognize that, owing to the existence of these fellowships and scholarships funds made possible by the Foundation (and many other funds), we have had a far greater chance to attract some of the most highly qualified, academically strong 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 one or two National Academy of Sciences Members for lectures and visits with faculty and students. Visits of Distinguished Lecturers are welcomed by the Department both for the opportunities they provide us to interact with some of the most distinguished and influential scientists in the country, and to inform them about our department and the research and other academic activities we are pursuing. Last year, as noted previously, the Department extended an invitation to Dr. Mary Lou Zoback, a highly distinguished seismologist who recently "retired" from the U.S. Geological Survey and devotes most of her time to issues related to natural disaster policy. The faculty, staff and students of the Department are very fortunate to have the chance to hear and interact with scientists of her stature, a chance we would not likely have were it not for the generous support of the Caswell Silver Foundation.

As in previous years, the Silver Foundation made possible two $800 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 2007, Commencement Ceremonies, were Jim Connolly (Research Scientist) and Paula Pascetti (Department Administrator).

Another very important function supported by the Foundation is the Caswell Silver Undergraduate Research Symposium, now held during late Spring. The most recent, The Sixth 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.

PLANS AND GOALS

The relatively recent additions to the faculty of Drs. Gary Weissmann, Joe Galewsky and Matt Nyman have strengthened the Department in many important ways. As noted last year, the addition of Dr. Galewsky helps strengthen a program in the area of meteorology and climate dynamics that had only included Dr. Dave Gutzler. In the previous year the Department had been fortunate in being able to add Dr. Liz Ritchie-Tyo to the faculty. She is also a

well-known scientist in this research area, and so the Department began AY 2005-06 with a strong new program in what is becoming a very important area of scientific research, given the increasing recognition of the reality (and potentially significant and negative environmental impacts) of anthropogenic global warming. Unfortunately, Dr. Ritchie-Tyo and her husband, Dr. Scott Tyo (a highly regarded Associate Professor in the College of Engineering) received very strong offers from the University of Arizona, and so left UNM in June, 2006. The Department hopes that at some time in the near future that it may have an opportunity to hire another faculty member in this scientific discipline, as we believe the Department and College are potentially well positioned to develop a strong research program in an area that would complement other strong programs in the College and elsewhere at UNM and that would be of particularly great significance in a drought-prone, poor, mostly arid state.

The significance of the addition of Dr. Nyman as Director of the Natural Sciences Program has already been discussed in a previous section of this report, as well as in the previous department annual reports. Nevertheless, it would not be inappropriate to note again that the development of K-9 (on p. 10) teachers in the sciences (providing them with both content and effective pedagogy) may prove, in the long run, to be one of the most significant academic activities through which the Department helps the good citizens of the state of New Mexico. There is simply no substitute for science literacy, and a nation with an increasing number of scientifically illiterate citizens (e.g., who believe that biblical creationism is an adequate explanation for biological diversity- a position taken by the country's current president--or believe the Earth to be 7000 years old) is a nation that will inevitably decline. The Natural Sciences Program is looking forward to moving into their new spaces in the Math/Science Learning Center, hopefully in 2010.

Dr. Weissmann succeeds Dr. Mike Campana, who accepted a position as Director of a university-wide program at Oregon State University. As the Department elected to name, as of Fall of 2006, the Department's new Black Family Professor of Hydrogeology, a position partly endowed by funds donated to the Department by the Black Family, Interim Dean Norwood, after a series of discussions with the Chair and associated faculty discussions, formally endorsed a plan that would permit the Department to conduct a search for another hydrologist in AY 2007-08, and we are pleased to report that the search is actively underway, with Dr. Weissmann as the chair of the search committee. This new position will help the Department strengthen another very important area of scientific research, hydrology. In AY 2006-07 an ad hoc committee in the Department engaged in discussions designed to identify subdisipline(s) in the general realm of hydrogeology that would most likely help it to develop a nationally strong program, one that would, for example, compliment the very strong hydrology program at New Mexico Tech (rather than foolishly attempt to compete with it, a seriously inappropriate strategy in largely publically funded university in a poor state).

The National Research Council (NRC) was engaged in conducting its decadal (+/-) national evaluation of doctoral programs at institutions of higher learning during AY 2006-07. The Department is excited about the ongoing evaluation, as the faculty firmly believe that during the past two decades the Department has progressively built a doctoral program in a much stronger research-oriented department that is, at the least, second to none in the "peer group" of institutions, established by the NM Commission of Higher Education, to which UNM is compared. Earth and Planetary Sciences may possibly be, when size and other appropriate factors are considered, in the upper quartile of institutions with programs in the Earth Sciences. As a matter of information, the response by EPS Faculty was 100 percent. We look forward to learning the outcome of this comprehensive evaluation, which will be announced in February, 2008.

During the Spring, 2008, semester, we plan to engage in a discussion of long-range plans for the Department, including but not limited to: future tenure-track hires in the context of long-term academic and research goals of the Department, the utilization of space in Northrop Hall to be made available upon completion of the Math/Science Learning Center, and the sustainability of our graduate program in terms of improving graduate student support.

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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 and Staff

1. TEACHING ACCOMPLISHMENTS OF FACULTY AND RESEARCH STAFF

Adrian Brearley, Professor

Courses taught

Spring 2006:	E&PS 587 – Advanced Mineralogy (43 enrolled) E&PS 551 – Problems (1 enrolled) E&PS 599 – Thesis (1 enrolled) E&PS 699 – Dissertation (3 enrolled)
Fall 2006:	E&PS301 – Earth Materials (40 enrolled) E&PS302L – Mineralogy Lab (29 enrolled) E&PS 551 – Problems (1 enrolled) E&PS 599 – Thesis (1 enrolled) E&PS 699 – Dissertation (3 enrolled)

Advisement and thesis committees

M.S. Thesis Advisor and Committee Chair
Amber Hawkins. (coadvisor) – graduated Spring 2006
Kristen Mullen
Crystal Donnolly

PhD Thesis advisor and Committee Chair

Neyda Abreu
Jana Berlin
Rena Ford

M.S. Thesis Committee member

Alexis Ault
Melissa Nelson
Hollis Kovach

Ph.D. Thesis Committee Member

Mark Tyra
Jennifer Edmunson
Georgianna Martin (Physics and Astronomy)
Becky Streetman (Chemistry)
Ayman Karim (Chemical and Nuclear Engineering)
Hugo Zea (Chemical and Nuclear Engineering)
David Vaughan (Anthropology)
Matt Dawson (Anthropology)

Undergraduate advisement

Kym Samuels (Senior Thesis).

REU student Summer 2006

Alicia Cohn (Gettysburg College)

Laura J. Crossey, Professor

Courses taught

Spring 2006:	E&PS 400 – Environmental Field Methods (19 enrolled) E&PS 493 – Independent Study E&PS 492 – Problems E&PS 552 – Problems E&PS 699 – Dissertation
Summer 2006:	E&PS 420L/520L – Advanced Field Geology (15 enrolled)
Fall 2006:	Sabbatical Leave (Fall semester only) E&PS 492 – Independent Study (1 enrolled) E&PS 495 – Senior Thesis(2 enrolled) E&PS 491 – Problems (2 enrolled) E&PS 551 – Problems (1 enrolled) E&PS 599 – Masters Thesis (1 enrolled) E&PS 699 – Dissertation (2 enrolled) MWR PP – Professional Project (1 enrolled)

Ph.D. Committees

Dennis Newell (Co-Chair)
Matthew Kirk (Chair)
Bart Faulkner (Co-Chair)
Sean Connell
Neyda Abreau
Deb Bryan
Cynthia Scism (Chem. Engineering, 2006)
Angela McLain
Ivan Thorsos
Maceo Martinet (Biology)
Ondrea Hummell (Biology)

M.S. Committees

James Dyer (Chair, MWR)
Eileen Embid (Chair)
Jan Curtis (Chair, MWR)
Austin Zinsser (2006)
Catrina Johnson
Melissa Nelson
Magdalena Sandoval
Elizabeth Nichols (2006)
Erin Carroll (2006)
Amy Luther (2006)
Jeanine McCann (2006, MWR)
Ginny Rust (exam cmte)
Ryan Crow
Mousavi Aliyer (Chem)

Undergraduate Sr. Thesis/Research Supervision

Nicolas Engdahl (2006; with TF)
Lavina Becenti (with Tom Williamson)
Dave Abrams (2006)
Alex Kirk (current)
Brandi Cron (biology, current)

Students I support with Extramural Grant Support (Graduate)

Matthew Kirk (PhD: Grant Fellowship-Spring 06, Fall 06)
Mel Strong (PhD: Grant Fellowship Fall 06)
Tony Salem (PhD: Grant Fellowship Fall 06)

Undergraduate (10-15 hrs per week/research support)

Kim Guggliani
Julie Smith
Alex Kirk
Lani Tsiannini
Brandi Cron (Biology)
Also 6 minority undergraduates from A&S & Engineering (STEM) with Alliance for Minority Participation funding

Maya Elrick, Associate Professor

Courses taught

Spring 2006:	Sabbatical Leave (Germany)
Fall 2006:	E&PS 304 – Sedimentology-Stratigraphy (12 enrolled)

Advisement

E&PS Undergraduate Advisor

Ph.D. Advisor

Mark Tyra PhD- NSF RA funding

Thesis committees

John Rissetto, PhD (Anthropology)
Diana Latta, PhD (Lehigh University)

Senior Thesis advisor

Leslie Livengood

Peter J. Fawcett, Associate Professor

Courses taught

Spring:	ENV. SCI. 101 – The Blue Planet (142 enrolled) E&PS 439 – Paleoclimatology (32 enrolled) E&PS 401/501 – Colloquium (20 enrolled) E&PS 492 – Problems (1 enrolled) E&PS 599 – Thesis Research (1 enrolled)

Fall:	E&PS 547 Seminar – Advanced Quaternary Paleoclimatology (6 enrolled) E&PS 599 – Thesis Research (1 enrolled)

Graduate Students Supervised

Catrina Johnson (M.S.)
Christy Laudadio (M.S.)

Postdoctoral Fellows Supervised

Gonzalo Jimenez-Moreno (PhD University of Granada, Spain)

Graduate Thesis Committees

Ph.D.: Dan Breeker, Natalie Dawson (Biology), Justin Dodd, Linda Donohoo-Hurley, John Hurley, Ginny Rust, Mel Strong, Mark Tyra, Judith van der Elst (Anthropology), Andy Yuhas, Kate Zeigler
M.S.: Jed Frechette, Mary Greene, Vanessa Meier, Lyman Persico

External Exam Committee Member

Leah Johnson (M.S.)
Ben Swanson (Ph.D.)

Tobias Fischer, Associate Professor

Courses taught

Spring 2007:	Sabbatical
Fall 2006:	Sabbatical
Summer 2006:	E&PS 453/553L – Field Studies in Volcanology

Post-Doc supervised

Dr. Jaime Barnes supervised with Sharp

Graduate Students supervised

Vanessa Maier, M.S. with Scouderi
Euan Mitchell, M.S.

Graduate Committee

Andy Dufrane, Ph.D.
Dennis Newell, Ph.D.

Joseph Galewsky, Assistant Professor

Spring 2006:	EnvSci 101 – The Blue Planet (85 enrolled)
Fall 2006	E&PS 476/576 – Physical Hydrology (15 enrolled)
Spring 2007	EnvSc 101 – The Blue Planet (175 enrolled) E&PS 522 – Appl Math for Earth/Env Sci. (13 enrolled)

Thesis/Exam Committees

PhD Committees: John Hurley, Caitlin Callahan, Ginny Rust, Mel Strong, Brian Yanites (student at the University of Colorado, Boulder)
MS Committees: Leah Johnson
MS Exams: Leah Roberts

John W. Geissman, Professor

Courses taught

Spring:	E&PS 201 – Earth History, (36 enrolled) E&PS 490 – Presentations, (7 enrolled) E&PS 310L – New Mexico Field Geology (co-taught w/T. Wawrzyniec)
Summer:	E&PS 319L – Introductory Field Geology w/G. Meyer (17 enrolled)
Fall:	E&PS 523 – Tectonics and Topography, co-taught w/G. Meyer (12 enrolled) E&PS 490 – Presentations (5 enrolled)

Graduate students supervised

Scott Muggleton, MS
Kate Zeigler, PhD
Linda Donohoo, PhD
Jenn Boyd, PhD, Anthropology (co-advised)
Travis Naibert, MS
Danielle Odette, MS
Jack Grow, MS

Exam committees

Rena Ford, PhD

Graduate Students financially supported

Linda Donohoo-Hurley
Kate Zeigler
Scott Muggleton
Travis Naibert

Course Development

Continued to modify/improve undergraduate field geology course (E&PS319L).
Developed new EPS 523 Course, Tectonics in Topography (with Grant Meyer)
Taught EPS 201 (Earth History, Spring, 2006), for the first time in 22 years

Undergraduate Research Advising

Greg Peacock
Tim Lite
Noel Gibbs

Graduate Theses Completed

Muggleton, Scott, "Paleomagnetism and anisotropy of magnetic susceptibility of the Spanish Peaks igneous complex, south-central Colorado: Implications for the North American mid-Cenozoic reference paleomagnetic pole and magma emplacement mechanisms" MS Thesis

Reader

Christopher T. Studnicki-Gizbert, "Deformation, erosion, and sedimentation in collisional orogens: case studies from eastern Tibet and southwestern China", External Examiner, Dissertation Committee, Department of Earth, Atmospheric, and Planetary Sciences, MIT

David Gutzler, Professor

Courses taught

Spring:	E&PS 433 – Data Analysis and Statistics (8 enrolled) E&PS 533 – Data Analysis and Statistics (14 enrolled) E&PS 548 - Seminar on Drought (10 enrolled) E&PS 699 – Dissertation (1 enrolled) WR 598 – Water Resources Program Professional Project (1 enrolled)
Guest lectures:	Biology 502 (IGERT Ethics Seminar), March 20, 2006 EnvSc 101 (Blue Planet), April 17, 2006
Fall:	E&PS 436 – Climate Dynamics (12 enrolled) E&PS 536 – Climate Dynamics (12 enrolled) E&PS 699 – Dissertation (1 enrolled) WR 598 – Water Resources Program Professional Project (2 enrolled)
Workshop:	On global warming for middle/high school teachers, sponsored by UNM SEIS, Oct 7

Supervision of graduate students

M. Strong (Ph.D., E&PS)
K. Jones, L. Martinez (M. Water Resources, WRP)

Other graduate thesis committees

M.S.: J. New, A. Yuhas (E&PS)
Ph.D.: A. Ellwein, J. Dodd, J. Hurley (E&PS), M. Luck (Biology)

Rhian H. Jones, Associate Professor

Courses taught

Spring: E&PS 400-002 – Analytical Methods in Geochemistry (4 enrolled)

Organized informal discussion group, "Chondrite Club".

Student advisement

Hollis Kovach, M.S., Advisor
Jana Berlin, Ph.D., Co-Advisor

Committee member

Neyda Abreu, Ph.D
Crystal Donnelly, M.S.
Rena Ford, Ph.D.
Karen Hutchins, Ph.D.
Carlos Martinez, M.S. (UNM Physics and Astronomy. Defended Fall 06)

Exam committee

Caitlin Callahan, Ph.D. (Fall 2006)
Mark Tyra, Ph.D. (Fall 2006)

Karl E. Karlstrom, Professor

Courses taught

My course load in 2006 consisted of 2 courses (one undergraduate core courses and one 400/500 level courses). I was on sabbatical in Fall 2006, hence did not teach the 2 courses I usually teach (310 and a graduate class). Given my GSA Bulletin editorship, which carries a 1 course per semester release time, this gives an adjusted equivalent teaching load of ~6 courses for 2006 using the departmental "fair share" workload policy.

Spring: E&PS 307L – Structural Geology (15 enrolled)
E&PS 599 – Masters Thesis (2 enrolled)

Summer: E&PS 420L/ 520L – Advanced Field Geology (15 enrolled

Fall: Sabbatical
E&PS 599 – Masters Thesis (2 enrolled)

Students supervised

In 2006, my structure/tectonics research group consisted of 1 Ph.D. and 4 M.S. researchers, 2 of whom completed in 2006. I met regularly with each student.

Austin Zinsser (MS) started in Fall, 2004; he came from Wesleyan University and completed his MS on Proterozoic quartzites in the Needle Mountains of Colorado; his funding was from TA funding supplemented with research grants; he defended his thesis in May, 2006.

Zinsser, Austin, 2006, New stratigraphy, polyphase deformational history, and basement- involved thrust model for the Proterozoic Uncompahgre Group and Vallecito Conglomerate, Needle Mountains, Colorado: 90 p.

Amy Luther (MS) started in Fall 2004; she came from the University of Illinois and completed her MS thesis on Proterozoic rocks in the Manzano Mountains of New Mexico; Her funding was from research grants and the NM Statemap project; she defended her thesis in May, 2006.

Luther, Amy, 2006, History and timing of polyphase Proterozoic deformation in the Manzano thrust belt, central New Mexico, 107 p.

Tony Salem (Ph.D.) started in Fall 2005, he came from Arizona State University. His PhD project will be a tectonic study of the Maria Fold and Thrust Belt. His expected completion date is summer 2008. Funding is from a departmental TA, the G K-12 grant (to Colins and Crossey) and supplemented by my research grants.

Magdalena Sandoval (MS) started in Fall 2005. She came from University of Oregon and is working on neotectonics of the Aspen Anomaly in Colorado and evolution of the upper Colorado River system. Her expected completion date is Summer, 2007. Funding is from a departmental TA supplemented by the CREST NSF grant.

Ryan Crow (MS) started in Fall 2005. He came from University of Colorado and is working on the Quaternary volcanic and tectonic geomorphic history of western Grand Canyon. His expected completion date is Fall 2007. Funding is a mixture of TA support (1/3) and the Trail of Time NSF grant.

Chairman of Thesis Committee

Amy Luther
Austin Zinsser
Tony Salem
Magdalena Sandoval
Ryan Crow

Member on thesis committees

Dennis Newell
Eileen Embid
Rob Sanders (New Mexico Tech)

Barry S. Kues, Professor

Courses taught

Spring: E&PS – 101 (52 enrolled)
E&PS – 411 (10 enrolled)

Summer:	E&PS – 492 (1 enrolled)
Fall, 2006	E&PS – 101 (153 enrolled) E&PS – 250 (16 enrolled)

Graduate students supervised

Sally C. Williams, submitted M.S. thesis, "Late Cretaceous selachian biostratigraphy in New Mexico, USA (coadvisor, S.G. Lucas).

Graduate student exam committees: Kristen Mullen (M.S.), Tony Salem (Ph.D.).

Grant A. Meyer, Associate Professor

Courses taught

Spring:	ENVS 101 – The Blue Planet E&PS/ANTH 482L /582L Ge – oarchaeology
Summer:	E&PS 319 – Introductory Field Geology
Fall:	E&PS 481/581L – Geomorphology and Surficial Geology and Lab. E&PS 523 – Topics/Tectonics and Topography (W/J. Geissman) Coordinator for ENVS 102L The Blue Planet aboratories (6 sections), Fall and Spring semesters

Dissertations and Theses Advised

Current Advisees: Jennifer New, Jed Frechette (MS)
Lyman Persico (MS 2006, current PhD), Ben Swanson (PhD)
Co-advising: Carolyn Domrose (MS) with Les McFadden

Committee membership

Debra Bryan, Sean Connell, Amy Ellwein, Caitlin Callahan, Nina Lanza, Ginny Rust (PhD) Leah Roberts, Devin Gaugler (MS), Tim Gere (MS 2006) Jungseok Ho, Civil Engr. (PhD 2006); Scott Worman, Anthropology (PhD).

Leslie D. McFadden, Chair and Professor

Courses taught

Fall, 2006:	EnvSc 101- (100 enrolled)
Spring, 2007:	E&PS 516 (8 enrolled)

Guest Lecturer

Conservation and Indigenous Biology (BIOL 402) Soil geomorphic and field ecological studies of grazing and climate impacts on the Hopi and Navajo Reservations.

E&PS 484/584 Geomorphology, Soil research in geomorphology.

ANTH 375/575 Archeology Field Research, applications of soils in archeological studies.

Graduate Students Supervised or Co-supervised

McLain, Angela (Ph.D.)
Ellwein, A. (Ph.D; co-advised with L. Scuderi)
Carolyn Domrose (M.S.)
Devin Gaugler (M.S.)
Leah Roberts (M.S.)
Debra Bryan (Ph.D.)
Breecker, Dan (Ph.D., co-advised with Z. Sharp)

M.S. Thesis Committees

New, Jen
Parker, Jeff

Ph.D. Committees

Powers, Bob (Dept of Anthropology)
Swanson, Ben
Jocylyn Garcia (Dept. of Biology)

Aurora Pun, Senior Research Scientist

Courses taught

Spring:	E&PS 101 – How the Earth Works (43 enrolled) E&Ps 105L – Physical Geology Lab (116 enrolled)
Fall:	E&PS 101 – How the Earth Works (32 enrolled) E&PS 115 – Geologic Disasters (17 enrolled)

Mousumi Roy, Associate Professor

Courses taught

Spring:	E&PS 527 – Introduction to Geophysics (7 enrolled) E&PS 427 – Introduction to Geophysics (4 enrolled) PHAST 327-Intro to Geophysics (6 enrolled) E&PS 433 – Statistics and Data Analysis in Earth Science (11 enrolled) E&PS 533 – Statistics and Data Analysis in Earth Science (14 enrolled)

	E&PS 551 – Problems in Geophysics -C. Callahan (1 enrolled)
Fall:	E&PS 522 – Geodynamics (5 enrolled)
Spring 2007:	E&PS 527– Introduction to Geophysics (3 enrolled) E&PS 427– Introduction to Geophysics (2 enrolled) PHAST 327-Intro to Geophysics (2 enrolled) E&PS 533 – Statistics and Data Analysis in Earth Science (7 enrolled)

Other Teaching in S06: NSF-Earthscope Teacher Training Workshop

(April 2006), co-organizer with Matt Nyman. Co-sponsored by NSF-Earthscope and the Science Education Institute of the Southwest

Students supervised

Caitlin Callahan (Ph.D; RA support)
Emily Martin (second proposal advisor)

Students supervised

Caitlin Callahan (Ph.D; RA support)

Research Assistant

Kirsten Mullen (provided support)

Students supervised

Caitlin Callahan (Ph.D; RA support)
Research Assistant:
M. Roy Bio. Supp. CY 2006
Kirsten Mullen (provided support)
Amy Luther (provided support)

Post-docs

Joya Tetreault (started Dec, 2006)
Research Assistant:
Amy Luther (provided support)

Students supervised

Caitlin Callahan (Ph.D; TA support) (EPS 699)
Emily Martin (second proposal advisor)

Thesis/Exam Committees in CY 2006

PhD Defense: G. Heald (UNM Physics)
PhD Exam committees: C. Callahan (Chair); E. Martin
MS Defense: S. Muggleton; A.Ault; A. Hawkins
MS Exams committees: E. Mitchell, J. Grow, T. Naibert, D. Odette

Louis A. Scuderi, Associate Professor

Courses taught:

On sabbatical leave for calendar year 2006.

Students Advised (Committee Chair)

Mary Greene, Completed MS
Vanessa Meier, Completed MS
Andy Yuhas, Passed MS
Christine Laudadio, MS

PhD Students

Amy Ellwein, Passed PhD comprehensives Fall 2006

Committee Membership

Devin Gaugler, MS
Anthony Salem, PhD.
Barton, Faulkner, PhD.
Anthropology
Committee Membership
Roberto A. Herrera, Ph.D.

Engineering/Computer Science

Committee Membership
Heidi Smart, PhD Completed Fall 2006
Oguz Demirci, PhD Completed Fall 2006
Janakiramanan Ramachandran, PhD

Jane Selverstone, Professor

Courses taught:

Spring:	E&PS 303L – Igneous & Metamorphic Petrology (14 enrolled) instructor rating E&PS 599 – MS thesis (4 enrolled) E&PS 699 – PhD dissertation (1 enrolled)
Fall:	E&PS 101 – How the Earth Works (139 enrolled) E&PS 551 – Problems (1 enrolled) E&PS 599 – MS thesis (1 enrolled)

Undergraduate students supervised

Johanna Blake

Graduate students supervised

Alexis Ault, MS

Jaime Barnes, PhD (w/Zachary Sharp)
Amber Hawkins, MS (w/Adrian Brearley

Thesis and dissertation committees

Jana Berlin, PhD
Caitlin Callahan, PhD
Rena Ford, PhD
Euan Mitchell, MS
Stacey Chambliss, PhD Anthropology
Connie Constan, PhD Anthropology

Zachary Sharp, Professor

Courses taught

Spring:	E&PS. 505 – (7 enrolled)
	E&PS 493 – (1 enrolled)
	E&PS 495 – (1 enrolled)
	E&PS 552 – (1 en–rolled)
	E&PS 699 – (3 enrolled)
Fall:	Env. Sci. 101 section 1 – (141 enrolled)
	Env. Sci. 101, section. 2 – (111 enrolled)
	E&PS 401, 501 9 (16 enrolled)
	E&PS 519, glass blowing – (8 enrolled)
	E&PS 551 – (1 enrolled)
	E&PS 699 – (2 enrolled)

Graduate Students supervised, (Major advisor)

Dan Breecker (PhD) w/ Les McFadden, 2002 present
Mel Strong (Ph.D.) w/ Dave Gutzler, 2003-present
Dennis Newell (PhD), 2005-2007
Mark Tyra (PhD) w/ Maya Elrick, 2005-present
Justin Dodd (PhD), 2006-present

Exam Committee member

Crystal Donnelly (MS)	Euan Mitchell, (MS)
Kristen Mullen (MS)	Neyda Abreu, Ph.D.
Jana Berlin, Ph.D.	Debra Bryan, PhD
Rena Ford, Ph.D.	John Hurley, Ph.D.

Outside PhD Examiner

Chris Fraser, Biology, Tim Lowry (advisor)
Melanie Edwards, Biology, Tom Turner (advisor)

Undergraduate Student Projects

Patrick Naranjo: Isotopic composition of Clovis Bison teeth
Alex Drue (2007) (w/ J. Galewsky)

Gary A. Smith, Professor

Courses taught

Spring:	Sabbatical E&PS 699 – Dissertation (1 enrolled)
Fall Semester:	E&PS 105L – Physical Geology Lab (72 enrolled) E&PS 110 – New Mexico's Water Future, Freshman Learning Communities (10 enrolled) E&PS 201L – Earth History (32 enrolled) E&PS 491 – Problems (1 enrolled) E&PS 699 – Dissertation (1 enrolled)

Student Advisement

Ph.D. Students Advised
Sean Connell

Ph.D. Dissertation and/or Comprehensive Examination Committee
Matt Kirk
Jake Moncrief
Dennis Newell
Kate Zeigler

M.S. Thesis and/or Examination Committee

Jed Frechette
Chris Hepler
Ginny Rust

Gary Weissmann, Associate Professor

Courses taught:

Spring 2006:	EnvSC 101 – (196 enrolled)
Fall 2006:	EnvSC 330 – (33 enrolled) E&PS 462/562 – (14/9 enrolled)

Graduate Students Advised

Jacob Mongrain, PhD
Ginny Rust, MS/PhD student

Graduate Student Exam Committees

Andy Yuhas

2. PUBLICATIONS DURING THE CALENDAR YEAR 2006-2007

(E&PS tenure-track Faculty are underlined; ** = research scientists; * = students

Refereed Journal Papers and Chapters in Edited Volumes

Evidence for Pacific-modulated precipitation variability during the late Holocene from the southwestern USA,
Asmerom, Y., J. Rasmussen and V. Polyak
Geophysical Research Letters, v. 33, L08701, doi:10.1029/2006GL025714 (2006)

Subduction and melting processes inferred from U-Series, Sr-Nd-Pb isotope, and trace element data, Bataan and Bicolarcs, Philippines
Asmerom, Y., S.A. DuFrane, S.B. Mukasa, J.A. Morris and B. Dreyer
Geochimica et Cosmochimica Acta, v. 70, p. 3401–3420 (2006)

Old bat guano in Slaughter Canyon Cave, in Caves and karst of southeastern New Mexico
Asmerom, Y., V.J. Polyak and J.B.T. Rasmussen, (V.W. Land et al., eds.)
New Mexico Geological Society, Guidebook 57, p. 23 (2006)

Experimental aqueous alteration of the Allende CV3 carbonaceous chondrite; Insights into asteroidal aqueous alteration
Jones, C.L.,* and Brearley A.J.
Geochimica et Cosmochimica Acta, v. 70, p. 1040-1058 (2006)

Electron microbeam analysis of aerosols from the plume of Poás volcano and comparison with equilibrium plume chemistry modeling
Pfeffer, M*., Fischer, T.P., Rietmeijer, F.J.M. and Brearley, A.J.
Journal of Volcanological Research, v. 152, p. 174-188 (2006)

Mineralogy and Petrology of Comet 81P/Wild 2 Nucleus Samples
Brearley, A.J., Zolensky, M.E. and multiple authors
Science , v. 314, p. 1735-1739 (2006)

Comet 81P/Wild 2 under a microscope
Brearley, A.J., Brownlee, D. and multiple authors
Science, v. 314, p. 1711-1716 (2006)

Oxygen isotope composition of modern and mid-Holocene banded travertine, Grand Canyon, Arizona, U.S.A,:
O'Brien, G.*, Kaufman, D., Sharp, W., Atudorei, V., Parnell, R., Crossey, L.,
Quaternary Research, v. 65, p. 366-379 (2006)

Dissected hydrologic system at Grand Canyon: interaction between upper world and lower world waters in modern springs and travertine
Crossey, L.J., Fischer, T.P., Patchett, P.J., Karlstrom, K.E., Hilton, D.R., Huntoon, P., and Reynolds, A.C*.
Geology, v. 34, p.25-28 (2006)

Mudstone petrology of the Mesoproterozoic Unkar Group, Grand Canyon, U.S.A.; provenance, weathering, and sediment transport on intracratonic Rodinia
Bloch, J.D., Timmons, J.M., Gehrels, G.E., Karlstrom, K.E., and Crossey, L.J.
Journal of Sedimentary Research, v. 76, p. 1106-1119, DOI 10.2110jsr.2006.107 (2006)

A magnetic record of Milankovitch rhythms in lithologically noncyclic marine carbonates
Latta, D.K., Anastasio, D.J., Hinnov, L.A., Elrick, M., Kodama, K.
Geology, v. 34, p. 29-32 (2006)

Large Holocene lakes and climate change in the Chihuahuan Desert
Castiglia, P.J.* and Fawcett, P.J.
Geology, v. 34, no 2, p. 113-116 doi: 10.1130/G22036.1 (2006)

Gas geochemistry of volcanic and hydrothermal fluids of Central America
Fischer, T.P., Shaw, A.M., and Hilton, D.R.
IN: Central America: Geology, Resources and Hazards" edited by J. Bundschuh and G. Alvarado, Balkema, the Netherlands (2007)

Tracing nitrogen in volcanic and geothermal volatiles from the Nicaraguan volcanic front
Elkins L.*, Fischer T.P., Hilton D.R., Sharp Z.D., McKnight S., and Walker J.A.
Geochim. Cosmochim. Acta., v. 70, p. 5215-5235 (2006)

Helium isotope variations in mineral separates from Costa Rica and Nicaragua: Assessing crustal contributions, time-scale variations and diffusion-related mechanisms
Shaw, A.M., Hilton, D.R., Fischer, T.P., Walker, J.A. and de Leeuw, G.A.M.
Chemical Geology, v. 230, p. 124-139 (2006)

Electron Microbeam Analyses of Aerosols From the Plume of Poás Volcano, Costa Rica and Comparison with Equilibrium Plume Chemistry Modelling.
Pfeffer, M.A.*, Rietmeijer, F.J.M., Brearley, A., and Fischer, T.P.
J. Volcanol. Geotherm. Resources, v. 152, p. 174-188 (2006)

Dissected hydrologic system at Grand Canyon: interaction between upper world and lower world waters in modern springs and travertine
Crossey, L.J., Fischer, T.P., Patchett, P.J., Karlstrom, K.E., Hilton, D.R., Newell, D.L., Huntoon, P., Reynolds, A.C.
Geology, v. 34, p. 25-28, doi: 10.1130/G22057.1 (2006)

Tropical cyclone triggering of sediment discharge in Taiwan
Galewsky, J., C.P. Stark, S.J. Dadson, C.-C. Wu, A.H. Sobel, and M.-J. Horng
Journal of Geophysical Research, v. 11, doi:10.1029/2005JF000428 (2006)

A new paleomagnetic pole for the Neoproterozoic Uinta Mountain Supergroup, Rocky Mountain States, USA
Weil, A.B., Geissman, J.W., and Ashby, J. M.
Precambrian Research, Special Volume, v. 147, p. 234-259 (2006)

The North American Monsoon Experiment field campaign and modeling strategy
R.W. Higgins, J. Amador, A. Barros, E.H. Berbery, E. Caetano, R. Cifelli, R. Carbone, M. Cortez-Vazquez, A. Douglas, M. Douglas, G. Emmanuel, D. Gochis, D. Gutzler, R. Johnson, C. King, D. Lettenmaier, T. Lang, R. Lobato, R. Maddox, V. Magaña, J. Meitin, K. Mo, E. Pytlak, C. Ropelewski, S. Rutledge, J. Schemm, S. Schubert, F. Torres, A. White, C. Williams, A. Wood, R. Zamora and C. Zhang
Bulletin of American Meteorological Soc., v. 87, p. 79-94 (2006)

A unified view of the American monsoon systems
C. Vera, R.W. Higgins, J. Amador, T. Ambrizzi, R. Garreaud, D. Gochis, D. Gutzler, D. Lettenmaier, J. Marengo, C.R. Mechoso, J. Nogues-Paegle, P. Silva Dias and C. Zhang
Journal of Climate, v. 19, p. 4977-5000 (2006)

Transient heating events in the protoplanetary nebula. In "Meteorites and The Early Solar System II"
Connolly H.C. Jr., Desch S.J., Ash R.D. and Jones R.H., eds. D. Lauretta and H. Y. McSween Jr.
University of Arizona Press, pp. 383-397 (2006)

Identification of relict forsterite grains in forsterite-rich chondrules from the Mokoia CV3 carbonaceous chondrite
Jones R.H. and Carey E.R.
American Mineralogist, v. 91, p. 1664-1674 (2006)

Dissected hydrologic system at the Grand Canyon: interaction between deeply derived fluids and plateau aquifer waters in modern springs and travertine
Crossey, L.J., Fischer, T.P., Patchett, P.J., Karlstrom, K.E., Hilton, D.R., Newell, D.L., Huntoon, P., Reynolds, A.C., and de Leeuw, G.A.M.
Geology, v. 34, p.25-28 (2006)

U-Pb and Hf isotopic analysis of zircon in lower crustal xenoliths from the Navajo volcanic field: 1.4 Ga mafic magmatism and metamorphism beneath the Colorado Plateau
Crowley, J.L., Schmitz, M.D., Bowring, S.A., Williams, M.L., and Karlstrom, K.E.,
Contributions to Mineralogy and Petrology, DOI-10.1007/a00410-006-0061-z (2006)

Nature of the middle crust - Heterogeneity of structure and process due to pluton-enhanced tectonism: an example from Proterozoic rocks of the North American Southwest, in Brown, M., and Rushmere, T., eds., Evolution and Differentiation of the Continental Crust:
Karlstrom, K.E., and Williams, M.L.,
Cambridge University Press, p. 268-295 (2006)

Structure of the continental lithosphere, in Brown, M., and Rushmere, T., eds., Evolution and Differentiation of the Continental Crust
Levander, A., Lenardic, A., and Karlstrom, K.E.,
Cambridge University Press, p. 21-66. (2006)

Using fill terraces to understand incision rates and evolution of the Colorado River in eastern Grand Canyon, Arizona
Pederson, J.L., Anders,* M.D., Rittenhour, T.M., Goble, R.J., Sharp, W.D., Gosse, J.C., Karlstrom, K.E., Crossey, L.J., and Finkel, R.C.,
Journal of Geophysical Research - Earth Surface, v. 111: F02003 doi:10.1029/2004JF000201 (2006)

Timing of Proterozoic Metamorphism and Deformation in the Black Canyon of the Gunnison, Colorado
Jessup,* M.J., Karlstrom, K.E., Williams, M., Connelly, J., Jones,* J., Heizler, M.,
Journal of Geology, v. 114, p. 555-576 (2006)

The Petrology of Mesoproterozoic Unkar Group shales and detrital zircon geochronology of interbedded sandstones, Grand Canyon Supergroup: Grenvillian influence on sedimentation of inboard Rodinia
Bloch, J.D., Timmons,* J.M., Gehrels, G.E., Karlstrom, K.E., and Crossey, L.J.,
Journal of Sedimentary Research, v. 76, DOI 10.2110jsr.2006.107. (2006)

Pleistocene geomorphology and geochronology of eastern Grand Canyon: Linkages of landscape components during climate changes
Anders*, M.A., Pederson, J.L., Rittenhour, T.M., Sharp, W.D., Gosse, J.C., Karlstrom, K.E., Crossey, L.J., Goble, R.J., Stockli, L., and Yang, G.,
Quaternary Science Reviews v. 24, p. 2428-2448. (2006)

A palinspastic reconstruction of Proterozoic basement-related aeromagnetic features in north-central New Mexico: Implications for Mesoproterozoic to late Cenozoic tectonism
Cather, S.M., Karlstrom, K.E., Heizler, M., and Timmons, J.M.,
Geosphere, v. 2, DOI 10.1130/GES00045.1. p. 229-323. (2006)

Pennsylvanian crinoids of New Mexico
G.D. Webster and B.S. Kues
New Mexico Geology, v. 28, p. 3-36 (2006)

Nautiloid-scaphopod homeomorphy in the late Paleozoic of the United States
B.S. Kues, R.H. Mapes, and E.L. Yochelson
Lethaia, v. 39, p. 91-93 (2006)

Geological studies of the Guadalupe Mountains area, New Mexico and west Texas, to 1928
B.S. Kues
Caves and karst of southeastern New Mexico (V.W. Land et al., editors)
New Mexico Geological Society, Guidebook 57, p. 127-144 (2006)

Tree-ring record of hillslope erosion and valley floor dynamics: landscape responses to climate variation during the last 400 years in the Colorado Plateau, northeastern Arizona
McAuliffe, J., Scuderi, L, and McFadden, L.,
Global and Planetary Change, v 50, p. 184-2001 (2006)

Geoarcheology of the Boca Negra Wash area, Albuquerque Basin, New Mexico
Holliday, V.T., Huckell, B.B., Mayer, J.H., Forman, S.L., McFadden, L.D.,
Geoarcheology, v. 21, no. 8, p. 765-802 (2006)

Deep metastable eutectic condensation in Al-Fe-SiO-O_2-H_2 vapors: Implications for natural Fe-aluminosilicates
Rietmeijer F.J.M., Nuth III J.A., Rochette P., Marfaing J., Pun A. and Karner J.M.
American Mineralogist, v. 91, p. 1688-1698 (2006)

Natural Fulerenes and Related Structures of Elemental Carbon
F.J.M. Rietmeijer
Springer, Dordrecht, the Netherlands, + xii, p. 295 (2006)

Deep metastable eutectic condensation in Al-Fe-SiO-O_2-H_2 vapors: Implications for natural Fe-aluminosilicates
F.J.M. Rietmeijer, J.A. Nuth III, P. Rochette, J. Marfaing, A Pun* and J.M. Karner*
American Mineralogist, v. 91, p. 1688-1698 (2006)

Electron microbeam analyses of aerosols from the plume of Poás Volcano, Costa Rica and comparison with equilibrium plume chemistry models
M.A. Pfeffer*, F.J.M. Rietmeijer, A.J. Brearley* and T.P. Fischer*
Journal of Volcanology and Geothermal Research, v. 152, p. 174–188 (2006)

Mineralogy and Petrology of Comet Wild 2 Nucleus Samples
M.E. Zolensky, Zega T.J., Yano H., Wirick S., Westphal A.J., Weisberg M.K., Weber I., Warren J.L., Velbel M.A., Tsuchiyama A., Tsou P., Toppani A., Tomioka N., Tomeoka K., Teslich N., Taheri M., Susini J., Stroud R., Stephan T., Stadermann F.J., Snead C.J., Simon S.B., Simionovici A., See T.J., Robert R., Rietmeijer F.J.M., Rao W., Perronnet M.C., Papanastassiou D.A., Okudaira K., Ohsumi K., Ohnishi I., Nakamura-Messenger K., Nakamura T., Mostefaoui S., Takashi Mikouchi T., Meibom A., Matrajt G., Marcus M.A., Leroux H., Lemelle L., Le L., Lanzirotti A., Langenhorst F., Krot A.N., Keller L.P, Kearsley A.T., Joswiak D., Jacob D., Ishii H., Harvey R., Hagiya K., Grossman L., Grossman J.N., Graham G.A., Gounelle M., Gillet P., Genge M.J., Flynn G., Ferroir T., Fallon S., Ebel D.S., Dai Z., Cordier P., Clark B., Chil M., Butterworth A.L., Brownlee D.E., Bridges J.C., Brennan S., Brearley A.*, Bradley J.P., Bleuet P., Bland P.A. and Bastien R.
Science Special Issue, v. 314, p. 1735-1739 (2006)

Elemental Compositions of Comet 81P/Wild 2 Samples Collected by Stardust.
G.J. Flynn, Bleuet P, Borg J., Bradley J.P., Brenker F.E., Brennan S., Bridges J., Brownlee D.E., Bullock E.S., Burghamme M., Clark B.C., Dai Z.R., Daghlian C.P., Djouadi Z., Fakra S., Ferroir T., Floss C., Franchi I.A., Gainsforth Z., Gallien J.P., Gillet Ph., Grant P.G., Graham G.A., Green S.F., Grossemy F., Heck P.R., Herzog G.F., Hoppe P., Hörz F., Huth J., Ignatyev K., Ishii H.A., Janssens K., Joswiak D., Kearsley A.T., Khodja H., Lanzirotti A., Leitner J., Lemelle L., Leroux H., Luening K., MacPherson G.J., Marhas K.K., Marcus M.A., Matrajt G., Nakamura T., Nakamura-Messenger K., Nakano T., Newville M., Papanastassiou D.A., Pianetta P., Rao W., Riekel C., Rietmeijer F.J.M. , Rost D., Schwandt G.S., See T.H., Sheffield-Parker J., Simionovici A., Sitnitsky I., Snead

C.J., Stadermann F.J., Stephan T.,Stroud R.M., Susini J., Suzuki Y., Sutton S.R., Taylor S., Teslich N., Troadec D., Tsou P., Tsuchiyama A, Uesugi K., Vekemans B., Vicenzi E.P, Vincze L., Westphal A.J., Wozniakiewicz P., Zinner E., Zolensky M.E.
Science Special Issue, v. 314, p.1731-1735 (2006)

Comet 81P/Wild 2 Under a Microscope
D. Brownlee, Tsou P., Aléon J., Alexander, C.M.O'D., Araki T., Bajt S. Baratta G.A., Bastien R., Bland Ph., Bleuet P., Borg J., Bradley J.P., Brearley A.*, Brenker F., Brennan S., Bridges J.C., Browning N.D., Brucato J.R., Bullock E., Burchell M.J., Busemann H., Butterworth A., Chaussidon M., Cheuvront A., Chi M., Cintala M.J., Clark B.C., Clemett S.J., Cody G., Colangeli L., Cooper G., Cordier P., Daghlian C., Dai Z., D'Hendecourt L., Djouadi Z., Dominguez G., Duxbury T., Dworkin J.P., Ebel D.S., Economou T.E., Fakra S., Fairey S.A.J., Fallon S., Ferrini G., Ferroir T., Fleckenstein H., Floss C., Flynn G., Franchi I.A., Fries M., Gainsforth Z., Gallien J.-P., Genge M., Gilles M.K., Gillet P., Gilmour J., Glavin D.P., Gounelle M., Grady M.M., Graham G.A., Grant P.G., Green S.F., Grossemy F., Grossman L., Grossman J.N., Guan Y., Hagiya H., Harvey R., Heck P., Herzog G.F., Hoppe P., Hörz F., Huth J., Hutcheon I.D., Ignatyev K., Ishii H., Ito M., Jacob D., Jacobsen C., Jacobsen S., Jones S., Joswiak D., Jurewicz A., Kearsley A.T., Keller L.P., Khodja H., 47 Kilcoyne A.L.D., Kissel J., Krot A., Langenhorst F., Lanzirotti A., Le L., Leshin L.A., Leitner J., Lemelle L., Leroux H., Liu M-C.,Luening K., Lyon I., MacPherson G., Marcus M.A., Marhas K., Marty B., Matrajt G., McKeegan K., Meibom A., Mennella V., Messenger K., Messenger S., Mikouchi T., Mostefaoui S., Nakamura T., Nakano T., Newville M., Nittler L.R., Ohnishi I., Ohsumi K., Okudaira K., Papanastassiou D.A., Palma R., Palumbo M.E., Pepin R.O, Perkins D., Perronnet M., Pianetta P., Rao W., Rietmeijer F.J.M., Robert F., Rost D., Rotundi A., Ryan R., Sandford S.A., Schwandt G.S., See T.H., Schlutter D., Sheffield-Parker J., Simionovici A.,Simon S., Sitnitsky I., Snead C.J., Spencer M.K., Stadermann F., Steele A., Stephan T., Stroud R., Susini J., Sutton S.R., Suzuki Y., Taheri M., Taylor S., Teslich N., Tomeoka K., Tomioka N., Toppani A., Trigo-Rodríguez J.M., Troadec D., Tsuchiyama A., Tuzzolino A.J., Tyliszczak T., Uesugi K., Velbel M., Vellenga J., Vicenzi E., Vincze L., Warren J.,Weber I., Weisberg M., Westphal A.J., Wirick S., Wooden D., Wopenka B., Wozniakiewicz P., Wright I., Yabuta H., Yano H., Young E.D., Zare R.N., Zega T., Ziegler K., Zimmerman L., Zinner E., Zolensky M.
Science Special Issue, v. 314, p. 1711-1716 (2006)

Fullerenes and nanodiamonds in aggregate interplanetary dust and carbonaceous meteorites
F.J.M. Rietmeijer
In Natural Fulerenes and related structures of elemental carbon (F.J.M. Rietmeijer, ed.), Springer, Dordrecht, the Netherlands, p. 123-144 (2006)

Natural C_{60} and large fullerenes: A matter of detection and astrophysical implications
A. Rotundi, F.J.M. Rietmeijer and J. Borg
In Natural Fulerenes and related structures of elemental carbon (F.J.M. Rietmeijer, ed.), Springer, Dordrecht, the Netherlands, p. 71-94 (2006)

Fullerenes and related structural forms of carbon in chondritic meteorites and the Moon
D. Heymann, F. Cataldo, M. Pontier-Johnson and F.J.M. Rietmeijer
In Natural Fulerenes and related structures of elemental carbon (F.J.M. Rietmeijer, ed.), Springer, Dordrecht, the Netherlands, p. 145-189 (2006)

Retrieval of P-T information from shear zones: thermobarometric consequences of the interaction of deformation and metamorphism.
Steffen, K.* and Selverstone, J.,
Contributions to Mineralogy and Petrology, 151, 600-614, doi: 10.1007/s00410-006-0073-8 (2006)

Oxygen isotope evidence for subduction and rift-related mantle metasomatism.
Perkins, G.P.*, Sharp, Z.D., and Selverstone, J.,
Contributions to Mineralogy and Petrology, 151, doi: 10.1007/s00410-006-0075-6 (2006)

Chlorine isotope chemistry of serpentinites from Elba, Italy, as an indicator of fluid source and subsequent tectonic history.
Barnes, J.D.*, Selverstone, J., and Sharp, Z.D.,
Geochemistry, Geophysics, Geosystems 7, Q08015, doi:10.1029/2006GC001296 (2006)

Pyroxenite xenoliths from the Rio Puerco volcanic field, New Mexico: melt metasomatism at the margin of the Rio Grande rift.
Porreca, C.A.*, Selverstone, J., and Samuels, K.**,
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GeoFrame: an integrated geologic framework for EarthScope's USArray
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EOS Transactions (2006)

Principles of Stable Isotope Geochemistry
Sharp, Z.D.
Prentice Hall, p. 344 (2006)

$\delta^{37}Cl$ values of DSDP/ODP serpentinized ultramafics and chlorine evolution of the ocean
Barnes, J.D., and Sharp, Z.D.
Chemical Geology, v. 228, p. 246-265 (2006)

Chlorine isotope chemistry of serpentinites from Elba, Italy, as an indicator of fluid source and subsequent tectonic history
Barnes J. D., J. Selverstone, and Z.D. Sharp
Geochemistry Geophysics Geosystems, v. 7, Q08015, doi:10.1029/2006GC001296 (2006)

Tracing nitrogen in volcanic and geothermal volatiles from the Nicaraguan volcanic front
Elkins, L.J., Fischer, T.P., Hilton, D.R., Sharp, Z.D., McKnight, S., Walker, J.A.
Geochimica et Cosmochimica Acta, v. 70, 5215-5235 (2006)

Oxygen isotoipe composition of hematite and genesis of high-grade BIF-hosted iron ores
Gutzmer, J., Mukhopadhyay, J., Beukes, N.J., Pack, A., Hayashi, K. and Sharp, Z.D.
Geol. Soc. Am. Mem. v.198, p. 257-268 (2006)

Chlorine isotope vapor-liquid fractionation during experimental fluid-phase separation at 400°C/23 MPa to 450°C/42 MPa
Liebscher, A. Barnes, J.D., and Sharp, Z.D.
Chemical Geology, v. 234, p. 340-345 (2006)

Tree-ring isotope records of tropical cyclone activity.
Miller D.M., Mora C.I., Grissino-Mayer H., Uhle M.E., and Sharp Z.
Proc. Natl. Acad. Sci., v. 103, p. 14294-14297.

Oxygen isotope evidence for subduction and rift-related mantle metasomatism beneath the Colorado plateau-Rio Grande rift transition.
Perkins, G. B., Sharp, Z.D.,and Selverstone, J.
Contributions to Mineralogy and Petrology, v.151, p. 633-650 (2006)

Stratigraphic analysis of the Yates #2 La Mesa well and implications for southern Española Basin tectonic history
Caroline Myer*, G.A. Smith
New Mexico Geology, v. 28, p. 75-83 (2006)

Tree-ring record of hillslope erosion and valley floor dynamics: Landscape responses to climate variation during the last 400yr in the Colorado Plateau, northeastern Arizona
J.R. McAuliffe, Scuderi, L.A., and L.D. McFadden
Global and Planetary Change, v. 50, p. 184–201 (2006)

Book Chapters

The action of water. In 'Meteorites and the Early Solar System II"
Brearley, A.J., (eds Dante Lauretta, H.Y. McSween Jr and L. Leshin)
Arizona University Press, p. 587-624 (2006)

Timescales for secondary alteration of chondritic meteorites
Krot, A.N., Hutcheon, I.D., Brearley, A.J., Pravdivtseva, O.V., Petaev, M.I. and Hohenberg, C.M.
Meteorites and the Early Solar System II edited by Lauretta, McSween and Leshin , p.525-554 (2006)

Notes, Extended Abstracts, and Other Publications

The Role of Microchemical Environments in the Alteration of CM Carbonaceous Chondrites
Brearley, A.J.
Lunar and Planetary Science XXXVII CDROM abstract #2074 (2006)

Early Solar System Processes Recorded in the Matrices of CR2 Chondrites MET 00426 and QUE 99177
Abreu, N.M.* and Brearley, A.J.
Lunar and Planetary Science XXXVII CDROM abstract #2395 (2006)

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D.A .Sawyer, G.A.Smith, D.Koning, S. Kelley, K. Kellogg, G. Cole, R. Thompson, S. Minor, , and A. Read
K.C. McKinney, ed.,
Geologic and Hydrogeologic Framework of the Española Basin –Proceedings of the 5th Annual Española Basin Workshop, Santa Fe, New Mexico, Open-File Report - U. S. Geological Survey, Report: OF 2006-1134, p. 33 (2006)

Stratigraphic changes across an intrabasinal fault, Kasha Katuwe Tent Rocks National Monument, New Mexico
G.A. Smith
New Mexico Geological Society Spring Meeting
New Mexico Geology, v. 28, p. 58 (2006)

The Use and Value of Online Assessment Quizzes to Gage Student Learning
G.A. Smith
First Annual UNM Success in the Classroom: Sharing Practices that Work Conference
http://www.unm.edu/~oset/Success.htm

The drillers log challenge: modeling geologic features with limited data sets
Weissmann, G.S., and Lansdale, A.L.,*
GSA Annual Meeting (2006)

Three-dimensional analysis of groundwater contamination susceptibility within a sequence stratigraphic framework
Zhang, Y.*, Weissmann, G.S., LaBolle, E.M., and Fogg, G.E.,
GSA Annual Meeting (2006)

HydroGEOLOGY: teaching groundwater hydrology outside the engineering box
Weissmann, G.S.,
GSA Annual Meeting (2006)

Modeling regions of complex flow: interpreting abnormal pumping tests at Lawrence Livermore National Laboratory
Rust, G.L.*, and Weissmann, G.S.,
GSA Annual Meeting (2006)

Maps

Geologic map of the Ojo Caliente 7.5-minute quadrangle
Koning, D., Karlstrom, K.E., May, J., Skotnicki, S., Horning, R., Newell, D., Muelburger, W., and Salen, A.C.,
Rio Arriba and Taos Counties, New Mexico (2006)

Geologic map of the La Madera 7.5-minute quadrangle
Koning, D., Karlstrom, K.E., Lombardie, K., and Salem, A.,
Rio Arriba and Taos counties, New Mexico (2007)

Geologic map of Eastern Grand Canyon (Chuar Valley and Furnace Flats area) at 1:24,000 scale
Timmons, J.M., Karlstrom, K.E., Pederson, J.,
Grand Canyon Association. (2007)

3. EXTERNALLY FUNDED RESEARCH GRANTS AND CONTRACTS

Awarded in January 1, 2006 – June 30, 2007

Formation and Alteration Histories of Chondritic Materials
A.J. Brearley (PI)
NASA Cosmochemistry Program
$875,000 (15 March 2006 – 14 March 2010)

Collaborative Research: Metamorphic Fluid Evolution and Rock Rheology
Selverstone, J. (PI), and Brearley, A.J (CoPI)
NSF Tectonics Program
$149,909 (1 July 2005-31st June, 2008)

Complete HRTEM and FEGTEM petrographic characterization of STARDUST dust particles.
A.J. Brearley (PI)
NASA STARDUST Participating Scientist Program
$57,162 (1 January, 2006 – 1 July 2006)

Acquisition of a Precision Ion Polishing System for the UNM Transmission Electron Microscopy Lab
A.J. Brearley (PI)
NASA Cosmochemistry Program
$56,608 (15 March 2006 – 14 March 2007)

Track 1, GK-12: Ecohydrogeology in the Middle Rio Grande Environment
L.J. Crossey, Co-I; with S. Collins (UNM, Bio)
NSF/HER (0538396)
$1,736,028, 04/01/06-03/31/08

Collaborative Research: CO2 Springs and travertines of the Southwestern US: Hydrologic pathways linking tectonism to water quality
L.J. Crossey, PI with T. Fischer, K.E. Karlstrom, A. Springer (NAU)
NSF/Hydrologic Sciences (0538304)
$149,795, 01/01/06-12/31/07

The Trail of Time: Informal Science Education initiative at Grand Canyon:
L.J. Crossey, Co-I: with K.E. Karlstrom., and S. Semken (ASU)
NSF Informal Science Education Program
$752,664 (2005 to 2007)

Collaborative Research: CREST: Colorado Rockies Experiment and Seismic Transects
L.J. Crossey, Co-I with K.E. Karlstrom, K. Dueker, and others
$299,457 (01/01/2007-12/31/2010)

Investigating the causes of Late Cambrian global extinction, sea- level fall, and paleoceanographic change
M. Elrick
RAC-UNM 2007
$6010.00

Project Title: Deep coring of the Valles Caldera: Obtaining a Long-Term Paleoclimate Record for Northern New Mexico
P.J. Fawcett, P.I., and J.W. Geissman
Funding Organization: Los Alamos National Laboratory, Institute for Geophysics and Planetary Physics (IGPP)
$36,000, 10/01/06-09/30/07

The 2006 Eruptions of Ol Doinyo Lengai Volcano, East African Rift, Tanzania
T. Fischer, P.I.
National Geographic discretionary funds $ 10, 600 (01/04/06 – 31/05/07)

International Workshop on the Evolution and Transfer of Magmas and Volcanic Gases
T.Fischer, PI
NSF Office of Internatl Science and Engineering $18,000 03/01/06 – 02/28/07

SGER: Chlorine Isotopes as Tracers of Subduction Zone Fluids
Sharp, P.I., and T. Fischer, co-PI
NSF EAR 82,163.00 06/01/06-05/31/07. Funds post-doc Jaime Barnes.

Collaborative Research: The Nitrogen Isotope Systematics of the Icelandic Mantle
T. Fischer, PI; Sharp, Z. and Hilton co-PIs
NSF EAR-0537618 01/01/06 – 12/31/08 $239,340.00

Collaborative Research: CO_2 Springs and travertines of the Southwestern US: Hydrologic pathways linking tectonism to water quality
L. Crossey, PI; T. Fischer and K.E. Karlstrom, co-PIs
NSF EAR-0538304 01/01/06 – 12/31/07 $149,795.00

International Workshop on the Evolution and Transfer of Magmas and Volcanic Gases
T. Fischer, PI
National Science Foundation
Office of Internatl Science and Engineering $18,000 03/01/06 – 02/28/07

SGER: Chlorine Isotopes as Tracers of Subduction Zone Fluids
Z. Sharp, PI; and T. Fischer, co-PI
National Science Foundation
EAR 82,163.00 06/01/06-05/31/07

Collaborative Research: The Nitrogen Isotope Systematics of the Icelandic Mantle
T. Fischer, PI; Z. Sharp, and Hilton co-PIs)
National Science Foundation
EAR-0537618 01/01/06 – 12/31/08 $239,340.00

Collaborative Research: CO_2 Springs and travertines of the Southwestern US: Hydrologic pathways linking tectonism to water quality
L. Crossey, PI; T. Fischer, and Karlstrom, co-PIs
National Science Foundation
EAR-0538304 01/01/06 – 12/31/07 $149,795.00

UNM Research Allocations Committee Grant: Probing tropical climate dynamics with stable isotopes of rain water and water vapo
PI: J. Galewsky
$4000 to JG 5/2006 – 9/2006

Workshop on integrated scientific coring on the Colorado Plateau: Early Mesozoic history of west Pangea
P. Olsen, D. Kent, J.W. Geissman
DOSECC (Deep Observation and Sampling of the Earth's Continental Crust)
$60,000, October, 2006, through December, 2007

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, J.W. Geissman
American Chemical Society, Petroleum Research Fund
$80,000, August 1, 2006, through August, 2008

Acquisition of a high-sensitivity Acintrex CG-5 Autograv gravimeter to augment geophysical data acquisition capabilities in the Department of Earth and Planetary Sciences
M. Roy, J.W. Geissman, and T. Wawrzyniec
National Science Foundation, EAR, Instrumentation and Facilities
$56,000, March, 2006 through February, 2007

Petrologic, Chemical and Experimental Investigations of Early Solar System Materials
P.I.: R. Jones
NASA /Cosmochemistry
3/01/06 to 2/28/09; $351,000

Collaborative Research: CO_2 springs and travertines of the southwestern U.S.: Hydrologic pathways linking tectonism and water quality
L. Crossey, K. Karlstrom, T. Fischer, and A. Springer
NSF Hydrologic Sciences Program
(01/01/2006-12/31/2008), L$149,795 to UNM)

Collaborative Research: CREST: Colorado Rockies Experiment and Seismic Transects
K. Dueker, R. Aster, E. Kirby, K.E. Karlstrom, L. Crossey, Matt Heizler, and others
NSF Continental Dynamics Program
$250,000 for UNM (01/01/2007-12/31/2010)

Collaborative Research: The Trail of Time: A Geoscience Exhibition at Grand Canyon National Park
K. Karlstrom, L. Crossey, S. Semken (ASU)
NSF Informal Science Education Program
$1,834,740 for UNM (06/01/2006 to 05/31/2009)

Coupling of hydrologic/hydraulic models and aerial photos through time U.S. Army Corps of Engineers Urban Flood Demonstration Program
G. Meyer, PI; J. Coonrod, co-PI
July 2006 ($68,918)

Stable Isotope Profiles in Modern Desert Soils
Z. Sharp, Principal Investigator, L. McFadden, Co- Principal Investigator
National Science Foundation
$ 95,007, 7/1/2007 – 6/30/2009

Complete FEG& HRTEM Petrography of Extracted COMET WILD-2 STARDUST
F.J.M. Rietmeijer (Principal Investigator)
National Aeronautics and Space Administration
$34,000; January1, 2006 to September 30, 2006

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
NSF-Earthscope; $118K to MR; 2006-08

Acquisition of a high-sensitivity gravity meter for studies in continental lithosphere structure/tectonics
PI's: M. Roy, J. Geissman, and T. Wawryzniec
NSF-EAR-Instrumentation and Facilities,; $56K total; 06-07

Testing a new model of the Tertiary evolution of the Colorado Plateau based on constraints from magmatic patterns, xenoliths, geologic, and geophysical data
M. Roy
Funded by the National Science Foundation, EAR-Tectonics Program (sole PI, $100K total, 2006-2008)

Collaborative research: Metamorphic fluid evolution and rock rheology
J. Selverstone, A. Brearley (collaborative with Jan Tullis, Brown University)
National Science Foundation
$131,740; 6/1/05-5/31/07

Tectonic and metamorphic implications for high Cl-contents in serpentinites
Z. Sharp, J. Selverstone, A. Brearley
National Science Foundation
$131,895; 3 years

Mantle and crustal xenoliths of the Puerco Necks, New Mexico: Constraints on lithospheric evolution at the transition between the Colorado Plateau and the Rio Grande Rift
J. Selverstone, Z. Sharp, A. Brearley
National Science Foundation
$194, 652; 1/1/03-12/31/06

Acquisition of an ICP-OES for geoscience research at the University of New Mexico
L. Crossey, A.-M. Ali, T. Fischer, Y. Asmerom, J. Selverstone
National Science Foundation
$162,582; 9/15/05-9/14/07

Stable Isotope Profiles in Modern Desert Soils
Z. Sharp
$95,007; 0642822; 02/20/07- 2 yrs.

SGER: Chlorine isotopes as Tracers of Subduction Zone Fluids
Z. Sharp
$82,163; 0620160; 04/19/06 – 1 yr.

Isotopes of Paleo-Precipitation from fluid inclusions in speleothems
Z. Sharp
$205,183; Austrian NSF; 070/06 – 3 yrs.

Aquifer analog modeling using ground-based LiDAR surveys in support of DOE-BES proposal – Investigation into the relationship between heterogeneity and heavy-tailed solute transport
G. Weissmann
Sandia-University Research Program (SURP)
$40,000; 10/2006

Geochemical and Physical Aquifer Property Heterogeneity: A multi-scale sedimentologic approach to reactive solute transport.
G.S. Weissmann, R. Allen-King, C. Murray, PIs
The Department of Energy (DOE-ESMP)
$296,895; 5/2006

Grants and Awards current in the period January 1, 2006 – June 30, 2007
(continued from previous years)

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 2008)

Mantle and crustal xenoliths in the Puerco Necks, New Mexico: Constraints on Lithospheric Evolution at the transition between the Colorado Plateau and the Rio Grande Rift.
J. Selverstone, PI, coPIs, A. Brearley, and Z. Sharp
NSF Tectonics Program
$194,652 (1 Jan, 03-31 Dec, 06)

Formation and alteration histories of chondritic materials
A.J. Brearley, PI
NASA Cosmochemistry Program
$290,000 (15 March 2003 – 14 March 2006)

Distribution, origins and parent body processing of carbonaceous material in chondritic meteorites: Insights from in situ characterization using energy filtered transmission electron microscopy.
A.J. Brearley, PI
NASA Exobiology Program
$174,702. (May 1, 2003- April 30, 2006)

NSF National Nanoscience Infrastructure Network
Prof., S. Brueck (CHTM) UNM site Director. UNM Participants – K. Malloy, J. Brinker, A.J. Brearley
$3.5M to UNM (Jan 01, 2004-Dec 31, 2009)

Dissected hydrologic system at Grand Canyon: interaction between upper and lower world waters in modern springs and ancient travertines
L.J. Crossey, P.I., Co-I: T. Fischer
NSF/Hydrologic Sciences Program (0310323)
$137,492 (07/01/03 to 12/31/06).

Supplement to Dissected hydrologic system at Grand Canyon: interaction between upper and lower world waters in modern springs and ancient travertines
L.J. Crossey, P.I.
NSF/Hydrologic Sciences Program (0612308)
$17,500 (01/01/06 to 12/31/06).

Alliance for Minority Programs: Undergraduate Research Support at the University of New Mexico
L.J. Crossey, P.I.
New Mexico State University/NSF
11/1/05-10/31/06: $55,000

Acquistion of an ICP-OES for Geoscience Research at the University of New Mexico
L.J. Crossey, P.I., Co-I's Ali, M., Asmerom, Y., Fischer, T., Selverstone, J.
NSF/IF (0447402)
$210,832
01/01/05 to 12/31/05

Using oxygen isotopes from apatitic conodonts to understand the origins of Paleozoic Triassic 3rd-order (My-scale) sea-level changes
M. Elrick, PI and Z. Sharp, co-PI Zach Sharp
National Science Foundation $205,183, 2005-2007

Project Title: Deep coring of the Valles Caldera: Obtaining a Long-Term Paleoclimate Record for Northern New Mexico
P.J. Fawcett, P.I. and J.W. Geissman
Funding Organization: Los Alamos National Laboratory, Institute for Geophysics and Planetary Physics (IGPP)
$40,000, 10/01/05-09/30/06

Volatile emissions and geochemistry of lavas from Ol Doinyo Lengai Volcano, East African Rift Valley, Tanzania.
T. Fischer, Collaborators are Burnard, Marty (CNRS, France).
Supported by UNM RAC $4000 05/01/05 – 2007

SO_2 flux from Anatahan Volcano, Mariana Islands as measured by MODIS (satellite based) and comparisons to ground-based measurements
T. Fischer with Dr. Scuderi
Supported by UNM CREATE 01/01/03 – 2007

Collaborative Research: Diagnosis of subtropical humidity dynamics using tracers of last saturation
PIs: J. Galewsky, A. Sobel
National Science Foundation
$184,842 to JG; 2/2006-2/2009

Scale-dependence of convective parameterizations in WRF
PI: J. Galewsky
NCAR WRF DTC Visitor Program
$11,800 to JG; 8/2005-8/2006

Upgrade to the superconducting rock magnetometer and acquisition of a high-sensitivity susceptibility system, UNM Earth and Planetary Sciences Paleomagnetism Laboratory.
J.W. Geissman
National Science Foundation, Instrumentation and Facilities
$108,600, with UNM cost-match of $50,000.

Origin of high magnetic remanence in fault pseudotachylites and possible seismic implications
J.W. Geissman
National Science Foundation, Geophysics
$38,588 (UNM component, two years)

Collaborative Research: Deformation rates and kinematics of ancient and active displacement transfer, central Walker Lane, western Great Basin
J.W. Geissman, J. Selverstone
National Science Foundation
$158,919 (UNM component, three years)

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)

Deep Coring of the Valles Caldera: Obtaining a Long Term Paleoclimate Record from northern New Mexico
P. Fawcett and J.W. Geissman
Institute for Geophysics and Planetary Physics, Los Alamos National Laboratory
$40,000 (first year, renewal of $40K requested for a second year granted in spring, 2005, third year request in spring, 2006)

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)

Tropical Cyclone Activity Associated with the North American Monsoon System
D. Gutzler, PI and co-PI: E. Ritchie
NOAA Office of Global Programs/Warm Season Precipitation Initiative
36 months, Sept., 03-Aug. 06, no-cost extension to May 07, $95K/yr.

The North American Monsoon System Climate Process Team
PI: J. Schemm, NOAA; UNM co-PI: D. Gutzler
NOAA Office of Global Programs/Climate Prediction Program for the Americas
36 months, June 05-Feb. 08, $230K/yr ($33K/yr to UNM).

Meteorite Museum Renovation and Associated Outreach Activities at the University of New Mexico
P.I.: R. Jones
NASA / Education and Public Outreach
8/16/03 to 2/15/07: $112,415

Organizational structure for Rocky Mountain EarthScope: Science and education planning
K.E. Karlstrom
NSF EarthScope Program
$60,412 to UNM (02/01/04 to 01/31/06)

Metastable Eutectics: Do they really control the composition of silicate vapor condensates?
F.J.M. Rietmeijer (Principal Investigator)
National Aeronautics and Space Administration
$128,880; August1, 2004 to July 31, 2007

Petrology of Hierarchical Dust Accretion
F.J.M. Rietmeijer (Principal Investigator)
National Aeronautics and Space Administration Cosmochemistry Program
$150,000; April 1, 2005 to March 31, 2006

Transmission Electron Microscope characterization of chemical vapor deposits on the returned GENESIS heat shield
F.J.M. Rietmeijer (Principal Investigator)
The SETI Institute
$10,582; September 1, 2004 to September 30, 2007

Analyses of ablation features on the STARDUST heat shield
F.J.M. Rietmeijer (Principal Investigator)
The SETI Institute
$10,581; November 1, 2005 to September 30, 2007

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 2010)

Collaborative Research: Integrated study of exhumation and erosion using low-temperature thermochronology and geodynamic models of the Colorado Plateau
PI's: M. Roy, D. Stockli, S. Kelley, and J. Pederson
National Science Foundation, EAR-Tectonics Program ($47K to MR, Jul 2004-Jul 2006)

Collaborative research: Metamorphic fluid evolution and rock rheology
J. Selverstone, A. Brearley (collaborative with Jan Tullis, Brown University)
National Science Foundation
$131,740; 6/1/05-5/31/07

Tectonic and metamorphic implications for high Cl-contents in serpentinites
Z. Sharp, J. Selverstone, A. Brearley
National Science Foundation
$131,895; 3 years

Mantle and crustal xenoliths of the Puerco Necks, New Mexico: Constraints on lithospheric evolution at the transition between the Colorado Plateau and the Rio Grande Rift
J. Selverstone, Z. Sharp, A. Brearley
National Science Foundation
$194,652; 1/1/03-12/31/06

Acquisition of an ICP-OES for geoscience research at the University of New Mexico
L. Crossey, A.-M. Ali, T. Fischer, Y. Asmerom, J. Selverstone
National Science Foundation
$162,582; 9/15/05-9/14/07

Collaborative Research: The Nitogen Isotope Systematics of the Icelandic Mantle
Z.Sharp, Co-PI, and T. Fischer, PI
$239,340; 0537618; 01/19/06 – 3 yrs.

Tectonic and Metamorphic Implications for High Cl-Contents in Serpentinites
Z. Sharp, J. Selverstone and A. Brearley
$24,826.00; 0527089; 06/08/05 – 2 yrs.

Using oxygen isotopes from apatitic conodonts to understand the origins of Paleozoic-Triassic 3rd order (My-scale) sea-level changes
Z. Sharp
$205,183.00; 0518205l; 09/11/05 – 3 yrs.

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, 03/04 – 2/08

Center for Rapid Environmental Assessment and Terrain Evaluation (CREATE) Follow up Scientific Investigations
L. Scuderi, PI
National Aeronautics and Space Administration
$3,500,000; 2004-2008

EPSCOR-Hydrology
L. Scuderi, Co-Investigator
National Science Foundation
$157,500; 2005-2008

Holocene glacial climate reconstruction in the Sierra Nevada Mountains, using multiple techniques
L. Scuderi, Co-Investigator, with P. Fawcett
University of New Mexico, Research Allocation Committee
$7,450; 2004-2006

Acquisition of a Portable LiDAR System for Land-Surface Studies
L. Scuderi, Co-Investigator, with S. Collins
University of New Mexico, Research Allocation Committee, Interdisciplinary
$62,065; 2005-2006

CAREER: Integrated stratigraphic and hydrogeologic aquifer analysis: toward improved multi-scale characterization of alluvial aquifers
G.S. Weissmann, P.I.
The National Science Foundation
$380,000; 6/2002-6/2007

4. RESEARCH PROJECTS IN PROGRESS

Adrian Brearley, Professor

Manuscripts in press or submitted

Mineralogy, aqueous alteration and primitive textural characteristics of fine-grained rims in the Y791198 CM2 carbonaceous chondrite: TEM observations and comparison to ALH81002
Chizmadia, L.J*. and Brearley, A.J.
Geochimica et Cosmochimica Acta, 2007 (in revision)

The distribution of chlorine in the solar system. Nature
Sharp, Z.D. Barnes, J.D*., Brearley, A.J., Fischer, T., Chaussidon, M. and Kamenetsky, V.S.
2007 (in revision)

Origin and mechanical significance of fishnet (honeycomb) garnets in high-pressure metasedimentary rocks from the Tauern Window, Eastern Alps.
Hawkins, A*., Selverstone, J. Brearley, A.J., Beane, R. J., Ketcham, R. and Carlson, W.D.
J. Metamorphic Geology, 2006 (in revision)

Experimental investigation of phyllosilicates formation in an enstatite-forsterite assemblage and implications for hydration of solar system bodies.
Cohen, B.A., Brearley, A.J. and Ganguly, J.
Meteoritics and Planetary Science, 2007 (in revision)

Manuscripts in preparation

Deciphering the characteristics of the CV3 chondrite Vigarano matrix: Evidence nebular and asteroidal processes. (with Neyda Abreu).

A TEM study of chondrules in the CM carbonaceous chondrites, Lewis Cliff 90500 - new constraints for the aqueous alteration of chondrules (with Nick Hanowski)

Chondrule serpentines as indicators of aqueous alteration in CM carbonaceous chondrites (with Nick Hanowski).

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).

The effect of cooling rate on the protoenstatite to orthoenstatite inversion: an experimental and transmission electron microscope study (with Rhian Jones).

Unfunded proposals

Development of integrated mineralogical, isotopic and chemical techniques for the analysis of Stardust and other extraterrestrial materials using a focused ion beam system
NASA SRLIDAP program.
A.J. Brearley, PI. CoPIs, Charles Shearer, Rhian Jones, Zachary Sharp
$918,586

Laura J. Crossey, Professor

Submitted in review

$^{40}Ar/^{39}Ar$ and field studies of Quaternary basalts in western Grand Canyon: Quantifying the interaction of river incision and Quaternary normal faulting in Grand Canyon
Karlstrom, K.E., *Crow, R., McIntosh, W., Peters, L., Pederson, J., *Raucci, J., Crossey, L.J., Umhoefer, P., Dunbar, N.
submitted to GSA Bulletin (accepted 2007 with minor revisions)

Biogeochemistry and mineral cycling of a regulated shallow alluvial river aquifer in a semi-arid environment
*Vinson, D.S., Crossey, L.J., and Dahm, C.N.
submitted to Geosphere (accepted 2007 with minor revisions)

Submitted/pending in 2006

Collaborative Research: Collaborative Research: Testing models for incision and neotectonics of the Grand Canyon region: field studies, 40Ar/39Ar dating of Neogene basalts, and detrital zircon and monazite studies of alluvial deposits: NSF Tectonics Program; (6-1-07 to 7-31-09); Karl Karlstrom, Laura Crossey, Mike Williams.

Manuscripts reviews

Geology (2)
GSA Bulletin (2)
Journal of Volcanology and Geothermal Research (1)
Associate Editor for Geochimica Cosmochimica Acta

Proposals

National Science Foundation (6): Hydrologic Sciences, Inst. and Facilities, Continental Dynamics
NSF Review Panel: Hydrologic Sciences

Maya Elrick, Associate Professor

Manuscripts in preparation

High-resolution isotope stratigraphy and lithostratigraphy of the Cenomanian-Turonian (Late Cretaceous) boundary
Elrick, M. and Molina-Garza, Roberto
Southern Mexico (Cretaceous Research)

Stratigraphic and isotopic evidence of Pennsylvanian glacioeustasy from the Middle nnsylvanian Gray Mesa Formation,

Scott, L.A. and Elrick, M.,
Central New Mexico (Sedimentary Geology)

In Press

Millennial-scale paleoclimate cycles recorded in Paleozoic deep water carbonates of North America, Palaeogeography
Elrick, M. and Hinnov, L.A.
Palaeoclimatology, Palaeoecology (January 2007).

Milankovitch-timed depositional cyclicity across the Early Cretaceous carbonate platform, NE Mexico
Latta, D.K., Anastasio, D.J., Elrick, M., Hinnov, L.A., and Kodama, K.P.,
Palaeogeography, Palaeoclimatology, Palaeoecology.

Pending

Understanding the origin of Late Ordovician 3rd-order sea-level and paleoclimate change using oxygen isotopes of conodont apatite
Petroleum Research Fund (American Chemical Society)
$134,980 2007-2010

Peter J. Fawcett, Associate Professor

Manuscripts in preparation

A high-resolution Holocene pollen – climate record from the Sangre de Cristo Mountains, New Mexico
Jiménez-Moreno, G., Fawcett, P.J., and Anderson, R.S.,
To be submitted to Geology (2007)

Two middle Pleistocene Glacial-Interglacial cycles from the Valle Grande, northern New Mexico
Fawcett, P.J., Heikoop, J., Goff, F., Anderson, R.S., Donohoo-Hurley, L.*, Geissman, J.W., Johnson, C.*, Allen, C.D., WoldeGabriel, G., and Fessenden-Rahn, J.,
To be submitted to New Mexico Geological Society 58th Annual Fall Field Conference Guidebook, Jemez Region (2007)

Geochemical indicators of redox conditions as a proxy for mid-Pleistocene climate change from a lacustrine sediment core, Valles Caldera, New Mexico
Johnson, C.M.*, Fawcett, P.J., and Ali, A.S.,
To be submitted to New Mexico Geological Society 58th Annual Fall Field Conference Guidebook, Jemez Region (2007)

An investigation of environmental magnetism of the Pleistoene Valle Grande lacustrine sediments, New Mexico
Donohoo-Hurley, L.L.*, Geissman, J.W., Fawcett, P.J., Wawrzyniec, T., and Goff, F.,
To be submitted to New Mexico Geological Society 58th Annual Fall Field Conference Guidebook, Jemez Region (2007)

Geochemical characterization of tephra glass in the Valles Caldera, New Mexico
WoldeGabriel, G., Goff, F., Heikoop, J., Fawcett, P.J., and Fessendehn-Rahn, J.,
To be submitted to New Mexico Geological Society 58th Annual Fall Field Conference Guidebook, Jemez Region (2007)

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
Parker, J.*, and Fawcett, P.J.,
To be submitted to Quaternary Research

Journal Articles in Press

Orbital- and millennial-scale vegetation and climate changes of the past 225 kyr from Bear Lake, Utah-Idaho (USA)
Jiménez-Moreno, G., Anderson, R.S., and Fawcett, P.J., 2007,
Quaternary Science Reviews, accepted pending revisions.

Research Proposals Declined

Project Title: A long core from the Valles Caldera, New Mexico: A new middle Pleistocene terrestrial paleoclimate record
P.I.: Peter J. Fawcett, John W. Geissman and R. Scott Anderson (Northern Arizona University)
Funding Organization: National Science Foundation, Earth System History Program
$184,592 requested

Tobias Fischer, Associate Professor

Manuscripts accepted for publications

Sources of sulfur and the formation of sulphate salts during the May 2003 eruption of Anatahan, Mariana Islands
de Moor, J.M.*, Fischer, T.P., Hauri, E., Hilton, D.R., Sharp, Z.D.
Bull. Volc. accepted pending revisions

The He-CO_2 isotope and relative abundance characteristics of geothermal fluids in El Salvador and Honduras: new constraints on volatile mass balance of the Central American Volcanic Arc,
de Leeuw, G.A.M., Hilton, D.R., Fischer, T.P., Walker, J.A.
Earth and Planet. Sci. Let., accepted pending revisions

Chlorine isotope homogeneity of the mantle, crust and carbonaceous chondrites. Nature
Sharp, Z.D., Barnes, J.D., Brearley, A., Fischer, T.P., and Chaussidon, M.K., V.S.
Accepted pending revisions.

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.

Nitrogen isotopes of Kilauea Volcano, Hawaii. Collaborators are Sharp (UNM), Sutton (USGS), Hilton (Scripps).

The connection between tectonics and volatile discharges in the Himalayan region of Tibet. Collaborators is Sharp (UNM).

Development of mass spectrometer based instrumentation for continuous monitoring of volcanic gas emissions. Collaborator is McMurtry (U of Hawaii).

Volatiles in the Central American subduction zone. Collaborator is Hilton (Scripps). Funded by NSF but grant has expired.

Volatiles in the Southern Volcanic Zone, Chile. Collaborator is Hilton (Scripps).

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.

Joseph Galewsky, Assistant Professor

Publications

Observation and modeling of water vapor isotopes from Mauna Kea, Hawaii,
Galewsky, J. M. Strong and Z. Sharp.
Geophysical Research Letters, to be submitted Summer of 2007

Topographic blocking and upstream lifting: An idealized modeling study
Galewsky, J.,
Journal of the Atmospheric Sciences, submitted February 2007.

Pending proposals

NSF Workshop on Climate and Landscape Evolution
(PIs: J. Galewsky and G. Roe, U. Washington)
$50,000; Proposal is in response to invitation from NSF program manager Mike Ellis; Workshop to be held in Boulder, Colorado, September 2007.

EPSCoR Proposal: "Climate Change Impacts on New Mexico's Mountain Sources of Water" to be submitted in October 2007 with potentially dozens of PIs from around New Mexico. Budget estimated at about $3 million for 3 years.

Research projects

Tropical cyclone influences on landscape evolution in Taiwan (with S. Dadson, Centre for Ecology and Hydrology)

Diagnosis of subtropical humidity dynamics using tracers of last saturation (with J. Hurley, UNM and A. Sobel, Columbia; NSF funding $184,842)
Observations and modeling of water vapor isotopes from Hawaii (with Z. Sharp, UNM, J. Worley, NASA/JPL, UNM RAC funding $4,000)

John W. Geissman, Professor

Papers in press

Paleomagnetic dating of fault slip in the southern Rocky Mountains, U.S.A.--balancing Laramide strain north and east of the Colorado Plateau
Wawrzyniec, T.F., Ault, A.K., Geissman, J.W., Erslev, E.A., and Fankhauser, S.D.,
Geosphere

Tectonism of the southwest Silver Peak Range, central Walker Lane, Paleomagnetic, Ar/Ar, and U/Pb data bearing on the exhumation history of the footwall to a regionally extensive detachment system in the Walker Lane
Petronis, M. S., Geissman, J. W., Oldow, J. S., and McIntosh, W. C.
Geological Society of America Special Paper

Neogene vertical axis rotation and development of the Mina Deflection, central Walker Lane, Nevada, *in* Oldow, J.S., ed., Walker Lane tectonics: Boulder, CO.,
Petronis, M.S., Geissman, J.W., Oldow, J.S., and McIntosh, W.C.,
Geological Society of America Special Paper

Stratigraphic, Volcanic, and Anisotropy of Magnetic Susceptibility Data bearing on the source and transport direction of mid-Tertiary ash flow tuffs, Candelaria Hills area, west-central Nevada
Petronis, M.S., and Geissman, J.W., 2005
Bulletin of Volcanology

Coordinated displacement and finite flattening on linked arrays of curved faults, Rhodes Salt Marsh basin, central Walker Lane Belt, Nevada, *in* Oldow, J.S., and Cashman, P.H., eds., Late Cenozoic Evolution of the Western Great Basin: Boulder
Ferranti, L., Oldow, J.S., and Geissman, J.W.,
Geological Society of America Special Paper

Slow and fast deformation in the Dora Maira Massif, Italian Alps: Pseudotachylites and inferences on exhumation history
Zechmeister, M., Ferre, E., Cosca, M.A., and Geissman, J.W.,
Journal of Structural Geology

Two Middle Pleistocene Glacial-Interglacial Cycles from the Valle Grande , Jemez Mountains, New Mexico
Fawcett, P.J., Heikoop, J., Goff, F., Anderson, R.S., Donohoo-Hurley, L., Geissman, J.W., Johnson, C., WoldeGabriel, G., Allen, C.D., and Fessenden-Rahn, J.,
New Mexico Geological Society Fall Field Conference Guidebook.

A 200 kyr Pleistocene lacustrine record from the Valles Caldera: Insight from environmental magnetism and Paleomagnetism
Donohoo Hurley, L., Geissman, J.W., Fawcett, P.J., Wawrzyniec, T.F., and Goff, F.,
New Mexico Geological Society, Fall Field Conference Guidebook.

Geological Society of America Geologic Time Scale 2007,
Geissman, J.W., Walker, J.D., and Palmer, A.R.,
with explanation

Proposals in review

Collaborative Research: Late Pliocene reorganization of the central Walker Lane strain field, Western Great Basin, Nevada

John Geissman, John Oldow (Idaho), Danny Stockli (Kansas)
National Science Foundation, Tectonics
$184,000, January 1, 2008, through December, 2010.

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

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

Pervasive horizontal fabric and rapid vertical extrusion: lateral overturning and margin subparallel flow of deep crustal migmatites, northeastern Bohemian Massif
Pressler, R.E., Schneider, D.A., Petronis, M.S., Geissman, J.W., and Holm, D.K.,
Tectonophysics, v. in review

How much strain can continental crust accommodate without developing obvious through-going faults?
Burchfiel, B.C., Stundnicki-Gizbert, C., Geissman, J.W., and Wang, E.
Geological Society of America Special Paper

Magnetic fabric and paleomagnetism of pseudotachylites in the Chiapas Massif, Mexico
Molina-Garza, R.S., Geissman, J.W., Wawrzyniec, T.F., Weber, B., and Aranda-gomez, J.,
Journal of Structural Geology.

Rapid formation of large-scale rheomorphic structures in the 2.06 Ma Huckleberry Ridge Tuff, eastern Idaho
Geissman, J.W., Holm, D.K., Harlan, S.S., and Embree, G.,
Paleomagnetic and AMS data, Geology (2007)

Anisotropy of magnetic susceptibility, paleomagnetic, and petrographic data bearing on the emplacement of the Western Granite, Isle of Rum, NW Scotland: Insights into the origin and emplacment of felsic magma bodies
Petronis, M.S., O'Driscoll, B., Troll, V.R., Geissman, J.W., and Emeleus, C.H.,
In review

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 (2006)

Paleomagnetism of the mid-Cenozoic Espinaso Formation and related rocks, central New Mexico and its bearing on crustal rotation within the Rio Grande rift
Harlan, S.S., and Geissman, J.W.,
Journal of Geophysical Research.

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

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
Geissman, J.W., Harlan, S.S., Feig, A.D.,
Southern Front Range, Colorado, 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
Intended 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: Late Pliocene reorganization of the central Walker Lane strain field, Western Great Basin, Nevada
John Geissman, John Oldow (Idaho), Danny Stockli (Kansas)
National Science Foundation, Tectonics
$178,000, January 1, 2007, through December, 2009.

Collaborative Research: A high-resolution middle Pleistocene paleoclimate record from lake deposits in the Valles Caldera, New Mexico
Peter Fawcett, John Geissman, Scott Anderson (NAU)
National Science Foundation, Earth Systems History Program
$186,832, July, 2006, through June, 2009

Acquisition of a physical and magnetic properties laboratory for the Southwest Region
Robert Duncan, John Geissman, Martin Kirk, Kevin Malloy, and Thomas Sigmon
National Science Foundation, Major Research Instrumentation Program
$586,200, September 1, 2006, through August, 2009

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

Proposal submitted, in review

The Seasonal Cycle of Drought
PI: D.S. Gutzler
NOAA Office of Global Programs/Climate Prediction Program for the Americas
24 months, May 07-Apr 09 ($65K).

Proposal declined

Causes and Predictability of Multi-year North American Droughts
PI: S. Schubert, NASA; UNM co-PI: D.S. Gutzler
NASA Energy and Water Cycle Research Program

Manuscripts in progress [*student co-authors]

Diagnosing moisture transport using D/H ratios of water vapor
M. Strong*, Z.D. Sharp and D.S. Gutzler
Geophysical Research Letters, accepted for publication Dec 06.

Interannual variability of tropical cyclone activity along the Pacific coast of North America
D.S. Gutzler, E. Ritchie A.V. Douglas and M.D. Lewis*
Geophysical Research Letters, submitted for publication.

Interannual variability of tropical cyclone activity along the Pacific coast of North America
T. Kennedy* and D.S. Gutzler
Global Change
Biology, submitted for publication.

Rhian H. Jones, Associate Professor

Manuscripts in press in review

Microsctructures and Thermal History of Metal Particles in CH Chondrites
Goldstein J. I., Jones R. H., Kotula P. G. and Michael J. R.
Meteoritics and Planetary Science, (2007) in press.

Proposals submitted

Meteorites in the Virtual Microscope: Virtual Light and Electron Microscopy of Meteorites for K-12 and Informal Education
P.I. R. Jones
NASA / Education and Public Outreach
9/01/06 to 2/28/09
Total funding requested: $37,500

Other projects

Meteorite Museum Renovation Project: Created "Virtual Museum" website in collaboration with website designer Geoff Notkin (Stanegate Studios, Tucson, AZ).
http://epswww.unm.edu/meteoritemuseum/index.htm.
Oversaw visit of Geoff Notkin to UNM for photography of Meteorite Museum and selected meteorite samples.

NASA's Virtual Microscope Project: Produced meteorite sample and associated educational materials.

Karl E. Karlstrom, Professor

Articles in press

Metamorphism in middle continental crust, Upper Granite Gorge, Grand Canyon, Arizona: implications for segmented crustal architecture, processes at 25-km-deep levels, and unroofing of orogens
Dumond*, G., Mahan, K., Williams, M.W., and Karlstrom, K.E.,
Geological Society of America Bulletin, v. 119, p. 202 – 220 (2007)

A visual model for The Proterozoic growth of southern Laurentia
Whitmeyer, S., and Karlstrom, K.E.,
In revision, accepted for Geosphere (#GEOS-00055) (2007)

Assembly, configuration, and break-up history of Rodinia: a synthesis,
Li, Z.X., Bogdanova, S.V., Collins, A.S., Davidson, A., De Waele, B., Ernst, R.E., Fitzsimons, I.C.W., Fuck, R.A., Gladkochub, D.P., Jacobs, J., Karlstrom, K.E., Lu, S., Natapov, L.M., Pease, V., Pisarevsky, S.A., Thrane, K., Vernikovsky, V.,
Precambrian Research, in press (2007)

$^{40}Ar/^{39}Ar$ and field studies of Quaternary basalts in western Grand Canyon: Quantifying the interaction of river incision and Quaternary normal faulting in Grand Canyon
Karlstrom, K.E., Crow, R., McIntosh, W., Peters, L., Pederson, J., Raucci, J., Crossey, L.J., Umhoefer, P., Dunbar, N.,
Submitted to GSA Bulletin (2007)

History of Quaternary volcanism and lava dams in western Grand Canyon based on LIDAR analysis, $^{49}Ar/^{39}Ar$ dating, and field studies: Implications for flow stratigraphy, timing of volcanic events, lava dam structure, and interactions of volcanism and canyon incision
Crow, R., Karlstrom, K.E., McIntosh, W., Dunbar, N., Peters, L., Pederson, J.,
Submitted to Geosphere (2007)

Pending as of early 2007

Collaborative Research: Integrating detrital monazite analysis with zircon and muscovite for tectonic fingerprinting of clastic and metaclastic rocks: NSF Tectonics Program; $108,502 to UNM (1/1/2007 to 12/31/2008); Karl Karlstrom and Mike Williams

Collaborative Research: Collaborative Research: Testing models for incision and neotectonics of the Grand Canyon region: field studies, $^{40}Ar/^{39}Ar$ dating of Neogene basalts, and detrital zircon and monazite studies of alluvial deposits: NSF Tectonics Program; (6-1-07 to 7-31-09); Karl Karlstrom, Laurie Crossey, Mike Williams.

Barry S. Kues, Professor

Manuscripts in preparation

Paleontology of New Mexico (book)
B.S. Kues
University of New Mexico Press

Early Pennsylvanian (Morrowan) faunas from the Osha Canyon Formation, Nacimiento Mountains, New Mexico
B.S. Kues
For New Mexico Geological Society, Guidebook 58

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

Manuscripts 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 Mountain.

Grant A. Meyer, Associate Professor

Papers in preparation or review

Post-glacial inflation-deflation cycles, tilting, and faulting in the Yellowstone caldera based on Yellowstone Lake shorelines
Pierce, K.L., Cannon, K.P., Meyer, G.A., Trebesch, M.J., and Watts, R.
U.S. Geological Survey Professional Paper, in press..

Relative size of fluvial and glaciated valleys in Central Idaho
Amerson, B.E., Montgomery, D.R. and Meyer, G.A.
Geomorphology, in revision.

Late Holocene records of fire in alluvial fan sediments: fire-climate relationships and implications for management of Rocky Mountain forests
Pierce, J.L., and Meyer, G.A.
International Journal of Wildland Fire, in revision.

Beaver damming, fluvial geomorphology, and climate over the Holocene in Yellowstone National Park, Wyoming
Persico, L.P., and Meyer, G.A.
Quaternary Research, in review.

Aspect controls on hillslope geomorphology and implications for slope evolution, northeastern Arizona
Burnett, B.N., Meyer, G.A., and McFadden, L.D.,
Journal of Geophysical Research – Earth Surface (submitted March 1, 2007) in preparation.

Late Pleistocene and Holocene terraces of the South Fork Payette River, Idaho; controls on postglacial river incision
Pierce, J.L., and Meyer, G.A.,
Geomorphology, in preparation.

Hydraulic, geomorphic, and geochemical processes in floodplain contamination from a mine tailings dam failure
Meyer, G.A. and Watt, P.M.,
Environmental and Engineering Geoscience, in preparation.

Manuscript peer review

Nature (1 ms.)
Geology (1 ms.)
Geological Society of America Bulletin (3 ms.)
Geomorphology (2 ms.)
Geosphere (1 ms.)
Palaeogeography, Palaeoclimatology, Palaeoecology (2 ms.)
Journal of Geophysical Research – Earth Surface (1 ms.)

McFadden, Leslie D., Chair and Professor

In Press or Accepted for Publication

Chronotopographic Analysis Directly from Point Cloud Data: A Method For Detecting Small, Seasonal Hillslope Change, Black Mesa Escarpment, NE Arizona
Wawrzyniec, T., McFadden L.D., Ellwein, E., Meyer, G., Scuderi, L. McAuliffe, J., Fawcett, T.,
Geosphere (in press).

Soil morphology in Quaternary studies
McFadden, L.D.,
Encyclopedia of Quaternary Science, p. 2126-2137, 2007.

Holocene soils, geomorphic surfaces, and morphometry of two low-order basins in the western Jemez Mountains, New Mexico
Gere, T. and McFadden, L.D.,
In New Mexico Geological Society Guidebook, 58th Field Conference, Geology of the Jemez Mountains Region II., Kues, B. (ed.) 2007.

Aspect-related microclimatic influences on slope forms and processes, northeastern Arizona
Burnett, B., Meyer, G., and McFadden, L.
For Journal of Geophysical Research--Earth Surface Processes (accepted for publication in the Journal of Geophysical Research,-Earth Surface Processes).

The influence of bedrock weathering on the response of drainage basins and adjacent alluvial fans to Holocene climates
Eppes, Martha and McFadden, L.D.,
Accepted for publication in The Holocene

The impact of soil properties on anthropogenic uranium distribution, Los Alamos National Laboratory, New Mexico
Watt, P. and McFadden, L.D.,
For Soil and Sediment Contamination (provisionally accepted for publication).

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.
For Geology

Proposal Submitted

Fire, climate and hillslope-alluvial system response, Sacramento Mountains, New Mexico
Co-Principal Investigator
National Science Foundation
6/2006 – 6/2009 ($180,000)

Collaborative research: Cracks generated by solar heating
Co-Principal Investigator
National Science Foundation
6/ 2006 – 6/2009, $300, 000.

Unfunded Research

Studies of the soils, geomorphology and Quaternary stratigraphy and ecology of the Blue Gap area and adjacent regions, Colorado Plateau, NW Arizona.

Studies of soil geomorphic evolution of the landscapes of selected areas of the West Mesa in the Albuquerque area in association with analysis of Folsom culture archeological sites.

Studies of the mechanical weathering of surface clasts in desert by solar insolation and thermoelastic deformation.

Studies of the soils and geomorphic evolution of basal hillslopes of the western side of the Sandia Mountains and the Sevilleta Wildlife Refuge Area, central New Mexico.

Frans Rietmeijer, Research Professor

Manuscripts in press

The bacterial metallome: composition and stability with specific reference to the anaerobic bacterium Desulfovibrio desulfuricans.
L.L. Barton, F. Goulhen, M. Bruschi, N.A. Woodwards, R.M. Plunkett and F.J.M. Rietmeijer
Biometals (on line: DOI 10.1007/s10534-006-9059-2)

Light scattering by fluffy Mg-Fe-SiO and C mixtures as cometary analogs (PROGRA^2 experiment).
E. Hadamcik, J.-B. Renard, F.J.M. Rietmeijer, A.C. Levasseur-Regourd, H.G.M. Hill, J.M. Karner* and J.A. Nuth
Icarus

Experimental light scattering by fluffy aggregates of magnesiosilica, ferrosilica, and alumina dust analogs.
H. Volten, O. Muñoz, J.W. Hovenier, F.J.M. Rietmeijer, J.A. Nuth, L.B.F.M. Waters and W.J. van der Zande
Astronomy & Astrophysics

Manuscripts submitted

Origin and formation of iron-silicide phases in the aerogel of the Stardust mission.
F.J.M. Rietmeijer, T. Nakamura, A. Tsuchiyama, K. Uesugi and T. Nakano
Meteoritics & Planetary Science

TEM study of thermally modified Wild 2 dust particles by interactions with the aerogel matrix during the Stardust capture process.
H. Leroux, F.J.M. Rietmeijer, M.A. Velbel, A.J. Brearley*, D. Jacob, F, Langenhorst, J.C. Bridges, T.J. Zega, R.M. Stroud, P. Cordier, R.P. Harvey, M. Lee, M. Gounelle and M.E. Zolensky
Meteoritics & Planetary Science

Challenges to understand aerogel contaminated by hypervelocity-impacted comet Wild 2 dust.
F.J.M. Rietmeijer
Lunar Planet. Sci. XXXVIII, Lunar and Planetary Institute, Houston

Deep metastable eutectic condensation in low-silica Al-Fe-SiO-H_2-O_2 smoke: Simple experiments, major implications.
F.J.M. Rietmeijer, A. Pun* and J.A. Nuth
Lunar Planet. Sci. XXXVIII, Lunar and Planetary Institute, Houston

Wild-2 déjà vu: Comparison of Wild-r particles to chondrites and IDPS.
M. Zolensky, T. Zega, M. Weisberg, M. Velbel, N. Tomioka, K. Tomeoka, R. Stroud, T. Stephan, S. Simon, F. Rietmeijer, K. Ohsumi, I. Ohnishi, K. Nakamura-Messenger, T. Nakamura, T. Mikouchi, G. Matrajt, H. Leroux, F. Langenhorst, A. Krot, A. Kearsley, D. Joswiak, H. Ishii, K. Hagiya, L. Grossman, J. Grossman, G. Graham, M. Gounelle, S. Fakra, Z.R. Dai, M. Chi, D. Brownlee, J. Bridges and J. Bradley
Lunar Planet. Sci. XXXVIII, Lunar and Planetary Institute, Houston

Manuscripts in preparation

Refractory calcium silicates in a Ca-SiO-H_2-O_2 vapor condensation experiment and dust aging and carbonate formation.
F.J.M. Rietmeijer, A. Pun* A. and J.A.Nuth III
Icarus

Unsupported Research

Light scattering of vapor-condensed silicate dust, in cooperation with Prof. A.C. Levasseur-Regourd and Dr. E. Hadamcik, Univ. Paris 6, Aeronomie CNRS, Verrières, France

Mousumi Roy, Associate Professor

Papers submitted

Roy, M. and T.H. Jordan, Cenozoic magmatism and rock uplift of the Colorado Plateau by warming of chemically buoyant lithosphere, in revision Nature, 2006 – to be resubmitted, March 2007.

*Callahan, C.N., Roy, M., and J. Pederson, Testing hypotheses for net Cenozoic rock uplift of the Colorado Plateau using the flexural isostatic response to erosion, in revision, Geology, 2006.

Pazzaglia F., Selverstone J. Roy, M. and 3 others, Geomorphic expression of extension in convergent orogens, submitted to Tectonics, 2006.

Publications in preparation

Thermal evolution of the Colorado Plateau region following removal of the Farallon Slab
Roy, M. and T. Jordan
to be submitted, May, 2007.

Seismic and geomorphic evidence for rejuvenation of topography in the Southern Rocky Mountains
Magnani, M.B., Pazzaglia, F.J.P., Levander, A., Roy, M., and Wisniewski, P.A.,
submitted to Geology, 2005; in revision, 2007.

Constraints on crustal and mantle structure beneath the San Gabriel Mountains, California, derived from gravity and seismic data, submitted to J. Geophys. Res., in 2002
Roy, M. and R. Clayton,
in revision to be submitted elsewhere, estimated completion, Dec 2007

River incision: Models of deformation accompanying incision in an elastic and viscoelastic crust,
Roy, M.,
in preparation, 2006; estimated completion May 2007

A new density model and analysis of the Los Angeles Basin based on oil industry data,
Stidham, C., Suess, P., J. Shaw, Roy, M.,
in preparation.

Other Research Projects

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)

Thermal evolution of the Colorado Plateau following removal of the Farallon slab; collaboration with T. Jordan (USC); Funded by the National Science Foundation, EAR-Tectonics Program (sole PI, $100K total, 20062008)

Crustal deformation measurements and a multidisciplinary geophysicalinvestigation 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 from apatite fission-track and (U-Th)/He thermochronology (with co-PI's: S. Kelley, J. Pederson, and D. Stockli; NSF-funding: $47,034 to MR; 7/2004-7/2006)

River incision: Models of accompanying deformation in an elastic and viscoelastic crust. Bedrock river incision and its effects on upper and lower crustal deformation (revisiting the "tectonic aneurism").

A comparative study of the basins of the Rio Grande Rift based on gravity and flexure models (with C. Peterson)

Geodynamic implications of voluminous mid-Tertiary magmatism in the Colorado Plateau region and Sierra Madre Occidental, Mexico
(collaboration with S. Kelley (NM Tech), J. Aranda (and others at CICESE, Mexico))

Jane Selverstone, Professor

Manuscripts in press

Geomorphic expression of mid-crustal extension in convergent orogens.
Pazzaglia, F.J., Selverstone, J., Roy, M., Steffen, K., Pearce, S., Knipsher, W., and Pearce, J., Tectonics.

Manuscripts in review/revision/near submission

Origin and mechanical significance of fishnet (honeycomb) garnets from the Tauern Window, Eastern Alps.
Hawkins, A.*, Selverstone, J., Brearley, A., Beane, R., Ketcham, R., and Carlson, W.D.,
Journal of Metamorphic Geology, in revision.

Relationships between fluid composition and rheology in eclogites from the Eastern Alps.
Selverstone, J.,
Geology, in prep.

Pending proposals

Collaborative research: How do low-angle normal faults evolve and slip? Linked physical and chemical studies of fault rocks
G.J. Axen (New Mexico Tech), A. Campbell (NM Tech) and J. Selverstone
National Science Foundation
$111,754; 6/1/07-5/31/10

Zachary Sharp, Professor

Publications submitted or in-press

Chlorine isotope homogeneity of the mantle, crust and carbonaceous chondrites.
Sharp, Z.D., Barnes, J.D., Brearley, A.J., Fischer, T., Chaussidon, M., Kamenetsky, V.S.
Nature, (in press)

Chlorine isotope composition of soil chlorides in the McMurdo Dry Valleys, Antarctica.
Bao, H., Barnes, J.D., Sharp, Z.D., Marchant, D.R.
J. Geophys. Res. (submitted).

Sulfur in the plume of the May 2003 eruption of Anatahan volcano, Mariana Islands
de Moor, J.M., Fischer, T.P., Hauri, E., Hilton, D.R., Sharp, Z.D. and Atudorei, V.
Sources and the formation of sulfate salts. Bull. Volc. (submitted).

Oyxgen isotopic disequilibrium between coexisting fibrolite and prismatic sillimanite from thet ripple point isobar, New Hampshire, USA.
Larson, T., and Sharp, Z.D.
Contrib. Mineral. Petrol. (accepted).

Diagnosing moisture transport using D/H ratios of water vapor.
Strong, M., Sharp, Z.D. and Gutzler, D.S.
Geophys. Res. Lett. 34 doi:10.1029/2006GL028307

Gary A. Smith, Professor

Manuscripts in preparation

Sequential downstream integration of the Rio Grande through adjacent rift basins
Sean Connell* and Gary Smith
To be submitted to Geology

Invited for submission to New Mexico Geology
Improving interpretation of lithologic indicator variograms
M.N Gaud*, S.A. McKenna, G.A. Smith
To be submitted to Mathematical Geology

Geology of the Kasha-Katuwe Tent Rocks National Monument
G.A. Smith
Sandoval County, New Mexico

Sedimentology of a volcaniclastic alluvial fan, Eocene-Oligocene Espinaso Formation, New Mexico
S.B. Taylor, G.A. Smith and D. Larsen
To be submitted to Journal of Sedimentary Research

Publications in press

Does student performance on formative assessments correlate to learning assessed by exams?
G.A. Smith
Journal of College Science Teaching

Interplay of Miocene rift tectonics and rhyolitic magmatism in the southern Jemez Mountains, New Mexico
G.A. Smith, S.D. Lynch
New Mexico Geological Society Guidebook

Eruptive Processes Responsible for Fall Tephra in the Upper Miocene Peralta Tuff, Jemez Mountains, New Mexico
S. Kindel*, G.A. Smith
New Mexico Geological Society Guidebook

Overview of the geology of the Puye Formation
G.A. Smith
New Mexico Geological Society Guidebook

The Cerrillos uplift, the La Bajada constriction, and hydrogeologic connection between the Española and Santo Domingo basins of the Rio Grande rift, New Mexico
D.A. Sawyer, B.D. Rodriguez, V.J.S. Grauch, S.A. Minor, M. Descz-Pan, R.A. Thompson, D.P. Dethier, G.A. Smith
U.S. Geological Survey Professional Paper 1642

Geologic map of the Squawback Ridge quadrangle, Deschutes and Jefferson Counties, Oregon
M.L. Ferns D.E. Stensland, G.A. Smith
Oregon Department of Geology and Mineral Industries Geologic Map Series, scale 1:24,000.
(accepted 2002, proofs returned, holding in publication queue)

Geologic map of the Opal City quadrangle, Jefferson County, Oregon
G.A. Smith, M.L. Ferns
Oregon Department of Geology and Mineral Industries Geologic Map Series, scale 1:24,000.
(accepted 2002, proofs returned, holding in publication queue)

Unsupported research projects

Tectonics and sedimentation of the transition from Laramide compression to Neogene extension in northern New Mexico
Stratigraphic and structural evidence for the rupture of hanging-wall hinge zones, San Luis and Española basins, Rio Grande rift, New Mexico.

Unsuccessful proposals

Gateway to STEM Student Achievement
M.R. Ondrias, G.A. Smith, D. Bellew, and E.A. Walters.
National Science Foundation
May 2007-July 2009, $150,000

Project X: Disclosing Factors Necessary for STEM Undergraduate Advancement
M. Lichtenstein, M.R. Ondrias, C.B. Fleddermann, G.A. Smith
National Science Foundation
January 2007-December 2011, $980,000.

Louis A. Scuderi, Associate Professor

In preparation

Severe drought signals in Australian NDVI records: Climate change or natural variation?
Scuderi, L.A. and Yuhas, A.,
To be submitted to the International Journal of Remote Sensing (late Spring 2007)

LiDAR spot comparison and analysis: A method for detecting small, seasonal hillslope change using TLS LiDAR data, Black Mesa escarpment, NE Arizona.
Wawrzyniec, T.F., McFadden, L.D., Ellwein, A., Meyer, G., and Scuderi, L.A.,
To be submitted to Geosphere (Spring 2007)

NDVI/MODIS derived estimates of extreme vegetation die off in western North America.
Yuhas A. and Scuderi, L.A.,
To be submitted to Science (late Spring 2007)

Pinyon pine germination after the late 16th century megadrought.
Scuderi, L.A.,
To be submitted to Vegetation Science (early summer 2007)

An intermodel comparison of remote sensing based evapotranspiration estimates.
Coonrood, J., Scuderi, L.A., Ellwein, A., and Hendrick, J.,
To be submitted to Journal of the American Water Resources Association (late summer 2007).

Energy balance based evapotranspiration estimates utilizing real time MODIS imagery: Rio Grande Basin, New Mexico.
Scuderi, L.A. and Ellwein, A.,
To be submitted to Photogrammetric Engineering and Remote Sensing (Fall 2007)

Accepted pending revisions

Volcanic eruptions in geophysical records: Can ice cores and tree rings be used to date eruptive events known only from myth and legend?
Scuderi L.A. and Meier, V.L.,
Journal of Volcanology and Geothermal Research (2007)

In review

Definition of tephras from the Koobi Fora Formation using MTI imagery. Science
Greene, M.K., Harris, J.W.K., and Scuderi, L.A.,
In review

Gary Weissmann, Associate Professor

Manuscripts in preparation

Identification of thin confining layers in alluvial sediments and their impact on groundwater remediation
Noyes, C. M., Maley, M.P., Blake, R.G., and Weissmann, G.S.,
For resubmission to Ground Water

Influence of heterogeneity on pumping tests: are we correctly interpreting these data?
Weissmann, G.S., Trahan, R.S., Noyes, C., Demir, Z, and Hoffman, F.,
For submission to Ground Water

Stratigraphic controls on groundwater sensitivity to non-point source contaminants in alluvial sediments
Zhang, Y., LaBolle, E.M., Weissmann, G.S., Williamson, R.J., and Fogg, G.E.,
(waiting on co-author revisions)
For submission to Water Resources Research

On-going Research Projects

Aquifer characterization at Lawrence Livermore National Laboratory, Livermore, California: Continued research funded by the National Science Foundation. Students currently on project include Leslie Mikesell (PhD candidate at Michigan State), Sarah Martell (MS student at Michigan State), and Ginny Rust (MS student at UNM). See NSF listing above for funding details.

Assessment of fluvial fan aquifers, eastern San Joaquin Basin, California. Collaboration with the US Geological Survey, Sacramento, California. Some funding to cover travel and some summer salary (approx. $2000./yr). Salary paid as USGS staff. We expect to publish Amy's results in 2007.

Detailed aquifer characterization using LiDAR and high-resolution sedimentologic description. Funded through SURP and DOE-BES grants listed above. Collaboration with Tim Wawrzyniec.

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.

New funding (Pending)

The Department of Energy (DOE-BES): Investigation into the relationship between heterogeneity and heavy-tailed solute transport. Pending Award: $30,000. (Principle Investigators: Dr. Gary S. Weissmann, Dr. Sean McKenna and Dr. Vincent Tidwell, Sandia National Laboratory, Dr. David Benson, Colorado School of Mines).

5. ACTIVITIES IN PROFESSIONAL SOCIETIES

Adrian Brearley, Professor

Professional meetings attended

39th Lunar and Planetary Science Conference, Houston ,Texas, 13-17 March, 2006.
Presented talk, coauthored 2 talks, chaired session.

Meteoritical Society Meeting, Zurich, Switzerland, August 6-11th 2006.
Presented talk, chaired session.

Stardust Mission Workshop, California Institute of Technology, CA, Nov 1-3, 2006.

Talks presented

39th Lunar and Planetary Science Conference, Houston ,Texas, 13-17 March, 2006

Presented talk 'The Role of Microchemical Environments in the Alteration of CM Carbonaceous Chondrites'.

Coauthored talk with Neyda Abreu, 'Early Solar System Processes Recorded in the Matrices of CR2 Chondrites MET 00426 and QUE 99177.

Coauthored poster presentation with Jana Berlin and Rhian Jones 'Determining the Bulk Chemical Composition of Chondrules by Electron Microprobe: A Comparison of Different Approaches'.

Coauthored talk with Yongsong Huang, 'Molecular and Isotopic Distributions of Aliphatic Side Chain Carbonaceous Chondrites'.

Coauthored talk with Mike Zolensky 'Mineralogy and Petrology of Comet Wild2 Nucleus Samples'.

Meteoritical Society Meeting, Zurich, Switzerland, August 6-11th 2006

Presented talk "Trace Element Zoning in CM Chondrite Carbonates: Insights from Compositional Mapping Using NanoSIMS".

Coauthored talk with Neyda Abreu "Onset of Aqueous Alteration in Primitive CR Chondrites".

Coauthored talk with Jana Berlin and Rhian Jones "Disentangling the Diversity of Bulk Chondrule Compositions: Did CO Chondrites Sample Two Very Distinct Chondrule Populations?"

Coauthored talk with Mike Zolensky "Mineralogy and Petrology of Comet Wild2 Nucleus Samples - Final Results of the Preliminary Examination Team".

Other activities

Associate Editor, Mineralogical Magazine

Convened, organized and lead 'Workshop on Nanoscale Processes in Earth and Planetary Sciences - NANOPEPS' held on 11-13th January, 2006, Department of Earth and Planetary Sciences, University of New Mexico.

Laura J. Crossey, Professor

Meetings attended

Colorado River Guides seminar, Lees Ferry (outreach), March 25-27.
Assisted A. Springer with Springs Inventory short course at Gunnison regional GSA Meeting, May 15-16.
GSA regional meeting, Gunnison Colorado, Mary 17-20.
Post-meeting trip with Mesa State REU students and Andres Aslan, May 21.

Talks presented

Invited speaker, GTS interpretive river trip, March 28- April 3.

Field trips

Field research: Gunnison area, CO., April 13-16.
Field research with student Eileen Embid at Springerville, April 22-23.
Field trip to Jemez Mtns. with Don Depaulo, April 29.
E&PS 420/520, Advanced Field Geology class, June 5-27.
Field trip, South Rim, Grand Canyon, July 5-7.
Colorado spring sampling trip and mapping in Gunnison area, August 2-8.

Society Committeees

Society for Sedimentary Geology (SEPM) Council Member (since 2001)
GSA Sedimentary Geology Division, Board Member (since 2002)
GSA Committee on Divisions (ad hoc), 2006, 2007
American Association of Petroleum Geologists, Membership Committee (since 1989)
Association for Women Geoscientists (lecturer (since 1989)

Editorial Board

Associate Editor, Geochimica Cosmochimica Acta, 2006.
Special Publications Editor, Society for Sedimentary Geology, 2001-2006.
National Sciences Foundation, Hydrologic Sciences Panel, 2006-2009.
Past Chair, Sedimentary Geology Division, Geological Society of America, 2005-2006.

Maya Elrick, Associate Professor

Invited talks

New Mexico State University, February
Universidad Nacional Automito Mexico (UNAM)
Sequence Stratigraphy Short Course and talk, February
Colorado School of Mines, January
University of Erlangen, Germany, April
Albuquerque Geological Society, June

Editorial Board

Geology; 2004-2007
Journal of Sedimentary Research, 2004-2007

Teaching Workshop

Cutting Edge Teaching Workshop, Salt Lake City, July 10-15
Teaching Sedimentary Geology
Presented demonstrations and attended workshop and field trips

Tobias Fischer, Associate Professor

Editorial duties

Member of editorial board for Journal of Volcanology and Geothermal Research
Editor for the IAVCEI Commission on the Chemistry of Volcanic Gases (CCVG)
Web master for the IAVCEI Commission on the Chemistry of Volcanic Gases (CCVG)
Member of editorial board for Colombian Journal of Geology

Joseph Galewsky, Assistant Professor

Meetings attended

AMS Conference on Mountain Meteorology, Aug 2006
AGU Annual Meeting, Dec. 2006
AMS Conference on Ocean/Atmosphere Dynamics, June 2007

Talks presented

Idealized simulations of orographic precipitation across complex, evolving topography, American Galewsky, J.
Meteorological Society 12th Mountain Meteorology Conference, Santa Fe, August 2006.

Probing subtropical humidity dynamics with water vapor isotopes from Mauna Kea, Hawaii, Galewsky, J. #M. Strong, and Z. Sharp.
AGU Fall Meeting, December 2006.

Tropical Cyclone Climatology at LGM and mid-Holocene
Dadson, S.J. and J. Galewsky.
EGU General Assembly, Vienna, April 2007.

Observations and modeling of water vapor isotopes from Mauna Kea, Hawaii
Galewsky, J. #M. Strong and Z. Sharp.
AMS Conference on Ocean/Atmosphere Dynamics, Santa Fe, June 2007.

John W. Geissman, Professor

Professional societies

Member, Steering Committee, Integrated Solid Earth Sciences (ICES)
Member, Advisory Board, Building Stronger Geoscience Departments

Member, Council of the Geological Society of America
Member, Annual Program Committee, Geological Society of America
Chair, Publications Committee, Geological Society of America
Chair, Structure and Tectonics Division, Geological Society of America
Associate Editor, Tectonics, 2004 to present
Associate Editor, Geological Society of America Bulletin, 2002 thru 2006
Science Editor, Eos, American Geophysical Union, 2000 to present-
Member, National Science Foundation Earthscope Science Review Panel
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

Professional talks presented

Variations in rock magnetic parameters in the Fort Hays Limestone, Niobrara Formation, Badito Colorado: A record of climatically controlled cycles in marine carbonate rocks? Geological Society of America Annual Meeting, October 23rd.

Continental red beds: How, why, and when can they be remagnetized, and what would Don Elston think?, Fall AGU Meeting, December 12th, San Francisco

How do vertical axis rotations of continental crust take place? Four Corners Geological Society, Farmington, NM, March 24th.

The selection of UNM's next president: KNME, March 31st.

A paleomagnetic potpourri of new research, from rotations, to carbonate rocks, to rudely bent ash flow tuffs, University of Kansas, September 29th.

David Gutzler, Professor

Invited presentations to professional audiences

The North American Monsoon", National Seasonal Assessment for wildfire forecasters, Boulder CO, April 4, 2006.
Global Warming: A Status Report", Sandia National Laboratory, October 4, 2006
The North American Monsoon of 2006", UNM Water Forum, October 31, 2006

Rhian H. Jones, Associate Professor

Talks presented

Identification of relict forsterite grains in forsterite-rich chondrules using cathodoluminescence. 37th Lunar and Planetary Science Conference. Houston, TX. March, 2006.

Professional societies

Fellow of Mineralogical Society of America and Meteoritical Society.
Member of Mineralogical Society of Great Britain and American Geophysical Union.
Member of the Nomenclature Committee of the Meteoritical Society;

Karl E. Karlstrom, Professor

Professional societies

I am active with Geological Society of America: as GSA Bulletin editor, member of the Publications Committee, fieldtrip leader, topical session convener, and invited speaker

Barry S. Kues, Professor

Professional meetings attended

Attended N. M. Geological Society Annual Spring Meeting in Socorro (April 21); Attended N.M.G.S. Fall Field Conference, Carlsbad area (Sept.27-30); Publications Committee, N.M.G.S.; Co-organizer of 2007 Fall Field Conference, N.M.G.S.

Grant A. Meyer, Associate Professor

Professional meetings attended

American Quaternary Association, invited member, Program Committee, 2006 Biennial Meeting

Invited talks

See Abstracts section – invited talks indicated at GSA Annual Meeting, AGU Fall Meeting (2), and coauthored at AMQUA Biennial Meeting and Third International Fire Ecology and Management Congress.

Aurora Pun, Senior Research Scientist

Invited presentations

Using WebCT quizzes to: Get students to read, assess student learning progress, and to make you a better instructor. Invited presentation for "Faculty, You Need IT," University of New Mexico, April 20, 2006 (with Gary Smith).

Teaching with Technology. Invited presentation for New Faculty Orientation, University of New Mexico, August 16, 2006 (with Gary Smith).

Frans Rietmeijer, Research Professor

Professional Papers Read

Initial results on CaSiO vapor condensates: Potential implications for dust in chondritic aggregate particles, Lunar Planetary Science Conference XXXVII, Houston, Texas.

The Stardust mission to comet Wild2 and interplanetary dust: Circumstellar dust aging, Department of Astronomy "Anton Pannekoek", University of Amsterdam, the Netherlands (Invited).

Laboratory experiments on dust formation, Lorentz Center, University of Leiden, the Netherlands (Invited).

Geology is reaching for the stars!, UMBGROVE Lecturer, Department of Earth Sciences, University of Utrecht, the Netherlands (Invited).

Silica Aerogel Contaminated by STARDUST: really fine stuff, STARDUST workshop 7, California Institute of Technology, Pasadena, California.

Professional Meetings Attended

37th Lunar and Planetary Science Conference, Houston (TX), March 13-17.

Sample Return, The Stardust Mission-Workshop #6, Timber Cove, California, May 2-5, 2006.

Workshop from Brown Dwarfs to Planets: Chemistry and Cloud Formation, Lorentz Center, University of Leiden, Leiden, the Netherlands; October 24-27.

STARDUST workshop 7, California Institute of Technology, Pasadena, California; November 3-5, 2006.

Mousumi Roy, Associate Professor

Professional meetings attended

NSF-Earthscope Teacher Training Workshop – April 2006
Interpreting Upper Mantle Images, Workshop (NSF-MARGINS), May 2006
Sent a post-doc and a student to the Gordon Conference on Rock Deformaton, August, 2006
CIG-Workshop on Computational Challenges in Geodynamic Modeling, Oct 2006
AGU Fall Meeting, Fall 2006

Abstracts of talks and posters (*=invited; #=student author)

#Callahan, C.N., Roy, M., and J. Pederson, Contributions of flexural isostatic response to erosion to the net Cenozoic rock uplift of the Colorado Plateau: Implications for Laramide and post-Laramide rock uplfit processes, American Geophysical Union Fall Meeting, 2006.

Roy, M. and T.H. Jordan, Buoyancy modification in chemically heterogeneous lithosphere and relation to Cenozoic rock uplift of the Colorado Plateau, western US, American Geophysical Union Fall Meeting, 2006.

Donohoo-Hurley, L., Geissman, J.W., Lucas, S.G., and M. Roy, A new look at the magnetostratigraphy and paleomagnetism of the Upper Triassic to Lower Jurassic Moenave Formation, St. George area, southwestern Utah, American Geophysical Union Fall Meeting, 2006.

*Roy, M., Computational challenges in modeling deformation and fabric in continental tectonic settings, Computational Infrastructure for Geodynamics (CIG) workshop, Oct 16,17, Univ. Texas, Austin, TX, 2006.

Louis A. Scuderi, Associate Professor

Presentations

A Comparison of MODIS and DOAS Sulfur Dioxide Measurements of the April 24, 2004 Eruption of Anatahan Volcano, Mariana Islands. Meier V.L., and Scuderi, L.A, 2006. American Geophysical Union 2006 Annual Meeting, San Francisco, CA.

Enabling synthesis of spatially and temporally diverse data collected from environmental sensors within the Long Term Ecological Research Network. Vande Castle, J.R., Servilla, M., San Gil, I., Michener, W., and Scuderi, L.A., 2006. American Geophysical Union 2006 Annual Meeting, San Francisco, CA.

Evapotranspiration estimation from MODIS imagery for the Central Rio Grande, New Mexico USA. Scuderi, L.A., and Ellwein, A.L., 2006. Geological Society of America, Annual Meeting (22–25 October 2006) Philadelphia, Paper No. 233-3.

Evaluating Hoodoo form and process using TLS Lidar point cloud data, Black Mesa, NE Arizona. Wawrzyniec, T,, McFadden, L., Meyer, G., Scuderi, L., and Ellwein, A., 2006. Geological Society of America, Annual Meeting (22–25 October 2006), Paper No. 112-20

Real-time remote sensing for LTER sites. LTER 2006 All Scientists Meeting, Vande Castle, J.R., and Scuderi, L.A., 2006. Estes Park, CO, Sept 20-23, 2006.

ArcGIS Assessment of MODIS NDVI for High Temporal Frequency Monitoring. Watson, T.R., Watson, R.P., Scuderi, L.A., Montaño, E.L., Krause, C.M. 2006. ESRI International User Conference, San Diego, CA, August 7-11, 2006.

Evaluation of historic and pre-historic eruptions using dendrochronology. Scuderi, L.A., and Meier, V.L., 2006. Cities on Volcanoes 4, Quito, Ecuador, Jan 25-30, 2006.

Jane Selverstone, Professor

Professional societies

Appointed to Dana Medal selection committee for 2007-2009, Mineralogical Society of America.

Zachary Sharp, Professor

Editorship

American Journal of Science

Gary A. Smith, Professor

Invited presentations

Stratigraphic relationships of volcanic rocks and volcaniclastic strata in the southern Jemez Mountains and Santo Domingo basin." Invited presentation for the NMBGRMR workshop,

Stratigraphy and Stratigraphic Nomenclature of the Jemez Mountains, Feb. 16, 2006.

Using WebCT quizzes to: Get students to read, assess student learning progress, and to make you a better instructor. Invited presentation for "Faculty, You Need IT," University of New Mexico, April 20, 2006 (with Aurora Pun).

Teaching with Technology. Invited presentation for New Faculty Orientation, University of New Mexico, August 16, 2006 (with Aurora Pun).

Gary Weissmann, Associate Professor

Meetings attended

Gordon Research Conference – Aquifer heterogeneity, August 2006.
Geological Society of America National Meeting – Philadelphia, PA, October, 2006.
Invited speaker for 3D aquifer characterization session.

Manuscript reviews conducted for

Hydrogeology Journal
Water Resources Research

Proposal reviews

National Science Foundation – Hydrology division.
GSA Hydrogeology Division liaison to SEPM.

Peer-reviewed articles

Regional-scale assessment of a sequence-bounding paleosol on fluvial fans using ground-penetrating radar, eastern San Joaquin Valley, California. Bennett, G.L., Weissmann, G.S., Baker, G.S., and Hyndman, D.W., 2006, Geological Society of America Bulletin, v. 118 (5/6), p. 724-732, doi: 10.1130/B25774.1.

Associate Editor

Groundwater

6. OTHER PROFESSIONAL ACTIVITIES

Adrian Brearley, Professor

Reviews

Group Chief, Cosmochemistry Panel, NASA Origins of Solar Systems Science Review Panel, October, 2006.
Reviewed scientific papers submitted to Meteoritics and Planetary Science (2), Geochimica et Cosmochimica Acta (1), Earth and Planetary Sciences Letters (1), Mineralogical Magazine (2), Reviews in Mineralogy and Geochemistry (1), Protostars and Planets V (1).
Reviewed 3 proposals submitted to NASA Cosmochemistry Program.
Reviewed 2 proposals submitted to NSF Instrumentation and Facilities Program
Reviewed 8 proposals submitted to NASA Origins of Solar Systems Program

Maya Elrick, Associate Professor

Journal and Grant reviews

Palaeo-3
PRF
NSF

Peter J. Fawcett, Associate Professor

Reviews:

Reviewed candidate for tenure & promotion at another institution
Reviewed manuscripts submitted to: Catina, Journal of Climate
Reviewed 2 proposals submitted to the National Science Foundation, 1 proposal submitted to the Petroleum Research Fund

Tobias Fischer, Associate Professor

Reviews

Reviews of 6 NSF proposals and 10 scientific manuscripts for GCA, GRL, Bull. Volc., Geology, G-cubed, JVGR, EOS.

Meeting Organization/session chair:

Co-organizer of MAG2007: International conference on the evolution, transfer and release of magmas and gases. Taipei, Taiwan, April 2007.
Session co-chair AGU Fall meeting 2006 "Insights Into Magma Plumbing Systems and Subvolcanic Processes From Studies of Volatile Elements, Melt Inclusions, Volcanic Gases, and Microlite Growth"

Off campus talks:

Key Note speaker: International conference on the evolution, transfer and release of magmas and gases. Taipei, Taiwan, April 2007.
Invited speaker: University of Dar Es Salaam, Tanzania (2006)

Joseph Galewsky, Assistant Professor

Reviews

Reviewed 2 NSF Proposals
Reviewed papers for Journal of Geophysical Research, Quarterly Journal of the Royal Meteorological Society, Journal of the Atmospheric Sciences, Journal of Hydrometeorology, Natural Hazards

Off-campus talks

Invited seminars at New Mexico Tech and Boise State University (2006); Columbia University, Yale University, Purdue University, and Texas A&M University (Atmospheric Sciences and Geology/Geophysics) (2007)

John W. Geissman, Professor

Reviews of manuscripts and proposals

Reviewed proposals for National Science Foundation (14), American Chemical Society (1), The Third World Academy of Sciences (3),

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 (2), Geoarcheology (1), New Mexico Geological Society (1)

Other professional activities

Adjunct or associate-type positions at other institutions: Adjunct Full Professor, University of Michigan, Ann Arbor
Other: Technician (half-time), UNM Paleomagnetism and Rock Magnetism Laboratory

David Gutzler, Professor

Manuscript reviews

J. Climate (7), Geophysical Research Letters (3), J. Hydrometeorology (1), Climatic Change (1), Weather and Forecasting (1), J. Applied Meteorology and Climatology (1).

Grant proposal reviews

National Science Foundation (2), NOAA Climate & Global Change Program (2).

Other Professional activities

International CLIVAR Program science guidance; VAMOS panel [Variability of American Monsoon Systems] (Member, four year term beginning 2002)

Interagency U.S. CLIVAR Program science guidance; Phenomena/Observations/Synthesis panel (Member, three year term beginning 2005) Co-chair, Working Group on Drought Research (2006-2008).

NOAA Climate Prediction Program for the Americas science guidance; Scientific Steering Committee (Member, three year term beginning 2006).

Invited participant at Albuquerque National Weather Service planning meetings for siting new operational climate observing stations in New Mexico, January 13 and 20, 2006

Interviewed with Jane Selverstone for Carleton College web page on two-career couples in the geosciences, May, 2006..

Rhian J. Jones, Associate Professor

Reviews

2 manuscripts for Meteoritics and Planetary Science
1 manuscript for Earth and Planetary Science Letters
1 manuscript for Science
7 proposals for NASA / Cosmochemistry Program
NASA, Cosmochemistry Review Panel. Panel member. August 2006.

Other professional activities

Workshop on Nanoscale Processes in the Earth and Planetary Sciences (NanoPEPS) Workshop, Albuquerque, Jan. 2006. Member of Organizing Committee

New Mexico Museum of Natural History and Science, Teacher Open House. September 27, 2006. Presented materials related to the Meteorite Museum.

New Mexico Museum of Natural History and Science, Grand Opening of the "Startup" Personal Computer Exhibit, November 18, 2006. Presented demonstration of Virtual Microscope.

Editorial duties

Associate Editor of the Meteoritical Bulletin with responsibility for American meteorites.
Associate Editor of American Mineralogist

Karl E. Karlstrom, Professor

Review activities

NSF proposals
Geology
GSA Bulletin
Precambrian Research

Other professional activities

Editorial Board for Precambrian Research, 1990 to present.
New Mexico Geologic Mapping Advisory Board, 1999 to present.
Member of the EarthScope Science and Education Committee (ESEC) - the advisory committee for the NSF EarthScope initiative (2002-2006)
Compiler of southern Laurentia for IGCP 440 project: reconstruction of Rodinia
Science editor for Geological Society of America Bulletin - second year of 4-year term. This job requires about 10-12 hours per week.
Invited speaker for mini-symposium at Syracuse University on Precambrian of Laurentia
Gunnison GSA, topical session convener and fieldtrip leader
Aspen Anomaly workshop convener (CREST and LANL as sponsors)
Convener for Trail of Time workshop, South Rim, Grand Canyon
Invited speaker for 2 topical sessions at GSA National Meeting, Philadelphia: Continental Dynamics Program, 20 years later, and Research in the National Parks
Co-convened (with L. Crossey) the October 13-19, Trail of Time planning workshop at Grand Canyon – 50 participants from the Park, academia, and the informal science education and Museums communities

Barry S. Kues, Professor

Editorial duties

Editorial Board, New Mexico Geology.
Associate Curator, N.M. Museum of Natural History.
Research Associate, N.M. Bureau of Geology and Mineral Resources

Reviews

Reviewed 1 paper for Journal of Paleontology; 1 paper for Palaios; 2 geologic quadrangle maps for NMBG&MR; 1 proposal for Petroleum Research Fund

Other professional societies

Consultant, Jemez Pueblo paleontological survey
Consulted for BP Co. (Pennsylvanian stratigraphy of Nacimiento Mountains)
Gave 2 tours of Geology Museum and Collections for Society for Preservation of Natural History Collections/Natural Science Collections Alliance annual meeting, May 24.

Grant A. Meyer, Associate Professor

Undergraduate student mentoring

Co-advised undergraduate research of UNM-Gallup students Daniel Pablo and Jeffrey Peshlakai with UNM-G Assistant Professor Paula Watt

Leslie D. McFadden, Chair and Professor

Peer reviews of articles and proposals

Reviewed 1 paper for Catena
Reviewed 1 paper for Quaternary Science Reviews
Reviewed 1 paper for Geomorphology

Editorial activity

Editorial Board Member, Catena.

Off-campus activity

Presented lecture to the Ghost Ranch Archeology Class.

Frans Rietmeijer, Research Professor

Peer review of scientific papers

American Mineralogist (1)
Dust in Planetary Systems, European Space Agency, SP-643 (2)
Geology (1)
Geophysical Research Letters (1)
Journal of Nanoscience & Nanotechnology (1)
Meteoritics & Planetary Science (1)

Proposal reviews

NASA Cosmochemistry Program (1)
NASA Origins of Solar Systems Program (2)
NASA Sample Return Laboratory Instruments & Data Analysis Program (2)

Professional services

NASA Exobiology Panel
NASA Astrobiology Science and Technology Instrument Development and Mission Concept Studies (ASTID) Panel
National Science Foundation, Interstellar Medium Program Review Panel
Volunteer Foreign Language Editor for American Geophysical Union
37th Lunar and Planetary Science Conference Program Committee
Co-Chair Interplanetary Dust Session, 37th Lunar and Planetary Science Conference

Other professional activities

Elected Fellow of the Meteoritical Society
Co-recipient of the NASA Engineering and Safety Center (NESC) Group Achievement Award-2006
Member of the STARDUST Preliminary Examination Team, January 1-September 30, 2006
Chair of the Working Group on Astromineralogy of the International Mineralogical Association
ASTROBIOLOGY Editorial board member

Mousumi Roy, Associate Professor

Invited talks

Computational Infrastructure for Geodynamics (CIG) workshop, Oct 2006
New Mexico Institute of Mining and Technology (NM Tech), April 2006
University of Texas, Dallas – Department colloquium; April 2006
New Mexico State University – Department colloquium, March 2006

Other professional service

Reviewed 7 NSF proposals
Reviewed papers for Earth and Planetary Science Letters and Geology

Louis A. Scuderi, Associate Professor

Journal review

Canadian Journal of Forestry
Geophysical Research Letters
Arctic, Antarctic and Alpine Research
Photogrammetric Engineering and Remote Sensing

Review for National Funding Organizations/National Science Foundation

Climate Dynamics, Geosciences, Solar-Terrestrial, Polar Programs, Earth Systems Science, ILI-IP Equipment Grants

Jane Selverstone, Professor

Manuscripts reviewed (8 total)

Geology, Tectonics, Geological Society of London Special Publication, Science, Eos, American Mineralogist

Proposals reviewed (10 total): NSF Tectonics program, NSF Geophysics program, NSF

Geochemistry and Petrology program, NSF Facilities and Instrumentation program, Austrian Science Foundation, Norwegian Research Council

Reviewer for 2 outside tenure and promotion files

Invited talks

Presented invited talk at Fall American Geophysical Union meeting, San Francisco, 12/06.

Professional meetings attended

Attended and presented poster at Gordon Research Conference on Rock Deformation, Big Sky, MT, 9/3/06-9/8/06
Colloquium speaker, New Mexico Tech, 11/9/06

Othe Professional Activities

Member, steering committee member for February 2006 EarthScope workshop: "Integrated geologic framework for EarthScope's USArray"
Member, External Program Review Committee, Department of Geosciences, Boise State University, 4/5/06-4/7/06.
Member, Editorial Board, Journal of Metamorphic Geology

Zachary Sharp, Professor

Reviewed Papers for International refereed journals

Geology, Rapid Communications in Mass Spectrometry, Proceedings of the National Academy of Science, Chemical Geology, Geochimica et Cosmochimica Acta, American Journal of Science

Reviewed Proposals

NSF (lots!)
NASA

Other professional activities

National Resource Council Postdoctoral Fellowship Committee (4 times/yr, once in Washington DC)
NSF panelist – EAR Instrumentation and Facilities 11/06
NSF panelist – EAR Graduate Research Fellowship Program (meets in 07, but readings and reviews in 06)

Invited lectures

New Mexico State University, 2006

Conferences

ISPET - International Seminars of Petrology
GSA
AGU

Gary A. Smith, Professor

Reviews

Reviewed research proposals for the National Science Foundation (1).
Reviewed manuscripts for: *Geological Society of America Bulletin* (3, one as Associate Editor), Basin Research (1), Los Alamos National Laboratory Technical Report (1), Valles Calder National Preserve (1), NM Bureau of Geology and Mineral Resources map (1).

Other professional activities

Member, Española Basin Technical Advisory Group Leader until October 1, 2006
Adjunct Curator of Geology, New Mexico Museum of Natural History and Science
Research Associate, New Mexico Bureau of Geology and Mineral Resources

Gary Weissmann, Associate Professor

Invited Presentations

New Mexico Tech, January 2006, invited seminar speaker.
Modesto Irrigation District, July 2006, Influence of incised valley fills on potential artificial recharge projects.

Other Presentations

Success in the Classroom, UNM, February 2006, Engaging large classes.

7. NON-TEACHING UNIVERSITY SERVICE

Adrian Brearley, Professor

Departmental service

Director, Earth and Planetary Sciences Transmission Electron Microscope and X-ray Diffraction Laboratories
Co-Associate Chair, Department of Earth and Planetary Sciences.
Co-chair – Departmental Graduate Committee
Member – Department Facilities Committee

Laura J. Crossey, Professor

Department committee

Undergraduate Advisor: E&PS BS/BA, Environmental Science BS
Undergraduate Honors Advisor
Chair, Analytical Chemistry Laboratory Advisory Committee
Undergraduate Committee

College of Arts and Sciences

A&S Undergraduate Committee
A&S Committee on Math & Science Education for Teachers
PROFOUND committee (undergraduate research)

University committee

Sigma Xi Board Member (2004-present)
Women Studies Board Member (2006-2007)

Maya Elrick, Associate Professor

Departmental committees

EPS Undergraduate Advisor
Undergraduate Committee
Analytical Geochemistry Lab Committee
Minorities Recruitment Committee

Professional Committees

GSA Awards Committee 2004-2007

Peter J. Fawcett, Associate Professor

Department

Member, Graduate Committee
Member, Computer Committee

University

Chair, CREATE Center Advisory Board
Member, University Geospatial Resources Committee

National

Geology Program Panelist, Civilian Research and Development Foundation (CRDF), Washington D.C., November 2006 (Panelist and 16 proposal reviews)

Session Chair, NMGS 2006 Spring Meeting, Hydrology and Valle Grande

Tobias Fischer, Associate Professor

Departmental

Graduate Committee (member), Facilities committee (member)
Coordinator, UNM-LANL Volcanology Program

University

Young Ranch Remodeling Committee, University of New Mexico
Member: Consortium of the Americas for Interdisciplinary Science, University of New Mexico

Joseph Galewsky, Assistant Professor

Departmental

E&PS Computer Committee
E&PS Graduate Committee

John W. Geissman, Professor

University service

Chair, UNM Committee on Governance, 2005-

Departmental

Chair, Department Facilities Committee, 2002-
Chair, Department Long Range Planning Committee, 2002-
Vehicle Committee
Member, Graduate Admissions Committee

Special projects

Administrative Positions
Other Service

David Gutzler, Professor

Department service

Undergraduate advisor, Environmental Science B.S. Program, Spring, Fall.
Computer Committee, Spring, Fall.
Undergraduate Committee, Spring, Fall (Chair, Fall).
Ad hoc Committee on Environmental Science curriculum assessment (Chair), Spring.
Lead guitar, faculty rock band and principal roastee by naughty grad students, December.

University service

UNM Water Resources Program: Program Committee Member, Spring, Fall.
Search Committee for new WRP director, Spring.
Participation in WRP retreat, September 1, 2006

Rhian H. Jones, Associate Professor

Departmental service

Member of Graduate Admissions Committee
Member of Faculty Productivity Committee

Karl E. Karlstrom, Professor

Departmental

Member, EPS Undergraduate Committee in 2006.

Barry Kues, Professor

University Service

Faculty Senate Library Committee (to June)
Member, Search Committee for new Dean of Libraries

Department service

Chair, Undergraduate Committee, and undergraduate advisor (Spring)
Member, Faculty Productivity Assessment Committee
Library Liaison
Compiled Alumni Newsletter (distributed in Spring, 2006)
Curator of departmental fossil, mineral, rock, and thesis collections.

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Grant A. Meyer, Associate Professor

Departmental service

E&PS Admissions Committee Chair, Fall 2005 - present.
E&PS Vehicle Committee Chair, Fall 2000 to Spring 2006.
E&PS Departmental Long-Range Strategic Planning Committee, Spring 2002-present.
UNM Faculty Senate Graduate Committee, Fall 2004-Spring 2006; Curriculum Subcommittee chair, Fall 2005 - Spring 2006.

Leslie D. McFadden, Chair and Professor

Departmental service

Chairman of the Department of Earth & Planetary Sciences
Secretary, Caswell Silver Foundation Board
Member, Advisory Council of the Albuquerque Teachers Institute
Member, Board of Associated Scholars, Center for the Southwest

Aurora Pun, Senior Research Scientist

Departmental service

UNM Geology Museum exhibit, Tucson Gem and Mineral Show, Tucson, Arizona, February 9-12, 2006. Acquisition of specimens for the Geology Museum.
UNM Geology Museum exhibit, Albuquerque Gem and Mineral Show, Albuquerque, NM, March 22-25, 2006
Served on ad hoc committee on selecting a preferred clicker vendor

Mousumi Roy, Associate Professor

Department service

E&PS Computer Committee (served as Chair in AY 2005-06, 2006-07)
Unix/Linux system administration

Louis A. Scuderi, Associate Professor

Administrative duties

Director, Center for Rapid Environmental Assessment and Terrain Evaluation (CREATE).
Supervise staff (2) and graduate students (7).
Produced CREATE 1 final report (October 2006)
Produced CREATE 2 Annual Report (December 2006)
In charge of all personnel issues, purchasing, accounting and administration.
Liaison with NASA.

Jane Selverstone, Professor

Departmental committees

Graduate committee (chair, Spring 2006; co-chair, Fall 2006)
Graduate advisor
Oversight committee for departmental Analytical Chemistry lab
Responsible for design and implementation of renovations to classroom space, rooms 105 & 103

University committees

Faculty and Staff Benefits committee, Fall 2006
Committee to evaluate classroom response systems and recommend preferred vendor, Fall 2006

Other service

Presented talk at Technology in the Classroom conference ("Using clickers in large classes: turning a skeptical professor into a believer"), 9/21/06
Participated in Keynote Roundtable Discussion at Writing Across Communities conference, 10/24/06
Unofficial "czar" of graduate microscopy lab – I maintain microscopes, order parts, etc

Zachary Sharp, Professor

University

Committee for Promotion to Full Professor (Chairman)
Committee of the Institute for Advanced Studies (IAS)
Faculty Senate
Biology isotope workshop for Sponsored by the COBRE Center for Evolutionary and Theoretical Immunology.

Departmental Committees

Associate Chair
Geochemistry Laboratory Committee (chair)
Graduate Admissions Committee
Faculty Assessment Committee

Gary A. Smith, Professor

Department service

Faculty Senate Teaching Enhancement Committee
Provost's Graduation Rate Task Force, Subcommittee on Academic Success
Chief Information Officer's Strategy 1 Task Force
College of Arts and Sciences Committee on Academic Uses of UNM Properties
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 9-12, 2006. Acquisition of specimens for the Geology Museum.
UNM Geology Museum exhibit, Albuquerque Gem and Mineral Show, Albuquerque, NM, March 22-25, 2005

Member of the Board, Caswell Silver Foundation
Proposed and co-convened "Success in the Classroom: Sharing Practices that Work," February 2006.

Gary Weissmann, Associate Professor

Department committees

Graduate Acceptance Committee

University committees

Research Allocation Committee (RAC) – Fall 2006-present.

8. SCHOLASTIC HONORS AND FELLOWSHIPS

Joseph Galewsky, Assistant Professor

Scholastic Honors and Fellowships (include additional earned degrees or progress toward them, listing name and location of institution and date degree granted; professional certification, thesis titles, etc., not previously reported).

Mousumi Roy, Associate Professor

Marie-Tharp Fellowship – ($30K) Columbia University, Lamont-Doherty Earth Observatory, NY; for CY 2006 and AY 2006-2007; 2007-2008.

Jane Selverstone, Professor

Nominated for UNM Teacher of the Year Award.

Gary A. Smith, Professor

Nominated by students for the UNM Teacher of the Year Award.

9. SABBATICALS AND TRAVEL

Adrian Brearley, Professor

Travel

Seminar, Mt Holyoke College – 'Early Solar System Processes Recorded in Carbonaceous Chondrites, April 27, 2006.
Kelvin Nanocharacterization Facility, Department of Physics, University of Glasgow, Scotland to use focused ion beam instrument, August 1-3, 2006.
NASA Origins of Solar Systems Review Panel, Westminster, Denver, Colorado, October 30-November 3 to 2006..
California Institute of Technology. Stardust workshop, November 3-6, 2006.

Laura J. Crossey, Professor

Travel

Sabbatical starts August 15
Co-led GK-12 workshop at Sevilleta LTER, August 18-19.
Colorado spring sampling trip, August 25-28.
Aspen Anomaly workshop and fieldtrip, CREST and LANL funded, August 29-Sept 1.
Colorado River research trip, September 10- Oct 5.
Annual Karlstrom Quaternary Research conference, Albuquerque NM, October 6-11.
Trail of Time (NSF research in education/outreach) planning workshop at Grand Canyon, October 13-19.
GSA National meeting in Philadelphia, October 21- 26.
San Ysidro spring sampling, November 5.
Springerville fieldwork with Eileen Embid, November 17-18.
Death Valley spring sampling trip, November 22- 27.
Australia sabbatical trip, December 3- Jan 2.
Work at Macquarrie with Bill Griffin, Dec 7-8.
2nd Australasian Hydrogeology Research Conference/ meetings at U. Adelaide, Dec 12-15.
Sampling in Simpson Desert with Rien Habermehl, Dec 16-20.
In Sydney, Dec 22- Jan 2-- .
Return to USA, Jan 2.

Peter J. Fawcett, Associate Professor

Travel

Spring NMGS Meeting, April 21, Socorro, NM.
Minneapolis, MN and Duluth MN, work at LacCore (Minneapolis) and attend 10th International Paleolimnology Symposium (Duluth), June 22-29.
San Francisco, CA, Fall AGU Meeting, December 13-16.

Tobias Fischer, Associate Professor

Travel

Sabbatical, 08/15/06 – 05/15/07
France, March 2007, 2.5 months
Costa Rica/El Salvador, February 2007, 1 week
San Francisco, December 2006, 1 week
Costa Rica, November 2006, 1 week
Iceland, September 2006 3.5 weeks
Tanzania, May 2006, 2.5 weeks

Joseph Galewsky, Assistant Professor

Travel

Scientific visitor at the NCAR/WRF Developmental Testbed Center, National Center for Atmospheric Research, Boulder, Colorado, May 2006.

John W. Geissman, Professor

Summer teaching

University of Michigan Camp Davis, Geological Sciences 440, Advanced Field Geology, June 23-July15.

Travel

Geoframe Meeting (Invited), St. Louis, February 2-5.
GSA Publications Committee Meeting, Boulder, February 24-25.
Annual Program Committee Meeting, Geological Society of America Headquarters, Boulder, March 10-11.
GEPON Meeting, Boulder, March 22-24.
Farmington, Four Corners Geological Society Lecture, March 24.
Field work, northern New Mexico, April 7-8.
Alumni Advisory Board meeting, University of Michigan, April 21-23.
Council Meeting, Geological Society of America Headquarters, Boulder, April 28-30.
New Mexico, southern Colorado, UNM Introductory Field Geology course, May 14-June 3.
Field work, north-central New Mexico, June 10-11.
Wyoming, University of Michigan, Field Camp, June 18-July 11.
Field sampling, Montana, Idaho, Colorado, July 28-August-4.
Fieldwork, Southern Colorado, August 14-16.
Tectonics and Topography Field trip, September 8-17, EPS 523.
Guest Lecturer, University of Kansas, September 28-30.
Alumni Advisory Board Meeting, University of Michigan, Ann Arbor, October 5-8.
Geological Society of America Annual Meeting, Phildelphia, October 21-26.
National Science Foundation, Earthscope Science Review Panel, October 31-November 3.
Asssociation of Earth Science Editors Meeting, San Diego, November, 7-8.
San Francisco, AGU Fall Meeting, December 9-14.

David Gutzler, Professor

Travel

National Seasonal Assessment Workshop for wildfire forecasters, Boulder CO, Apr 3-4, 2006
International CLIVAR VAMOS Panel meeting, Iguazu Falls, Brazil, Apr 20-25, 2006
North American Monsoon modeling team meeting at NOAA Climate Prediction Center, Washington DC, May 31-June 3, 2006
NOAA Climate Prediction Program for the Americas PI meeting, Tucson AZ, Aug 13-16, 2006
NOAA Climate Diagnostics and Prediction Workshop, Boulder CO, October 23-25, 2006

Rhian H. Jones, Associate Professor

Travel

37th Lunar and Planetary Science Conference, Houston, TX. March 2006.
NASA, Cosmochemistry Review Panel. Baltimore, MD. August 21-25, 2006.

Karl E. Karlstrom, Professor

Travel:

- E&PS 307 fieldtrip to Carrizo Arroyo, Jan. 28.
- E&PS 307 fieldtrip to Jemez Mountains, Feb. 11.
- Work session at UT Austin on AGI trans-continental cross section, Feb. 24.
- E&PS 307 fieldtrip to Estadio Canyon, March 4.
- Colorado River Guides seminar, Lees Ferry, March 25-27.
- Invited speaker -First half GTS interpretive river trip, March 28-April 3.
- Research help MS student Magdalena Sandoval in Gunnison area, April 13-16.
- Invited talk at Syracuse University, April 19-21.
- Research with student Eileen Embid at Springerville, April 22-23.
- attended EarthScope Committee Meeting in Washington DC, May 7-9.
- Led Pre-meeting Fieldtrip at Gunnison regional GSA meeting, May 15-16.
- GSA regional Meeting, Gunnison Colorado, May 17-20.
- Post-meeting trip with Mesa State REU students and Andres Aslan, May 21.
- Gravel trip to SW Utah with Tom Hanks and George Hilley, May 22-26.
- Member Rob Sanders PhD comprehensive exam in Socorro (NMT), July 1.
- EPS 420/520, Advanced Field Geology class, June 5-27.
- EarthScope Science and Education Committee meeting in Reno, July 25-28.
- Colorado sampling trip and mapping in Gunnison area, August 2-8.
- Sabbatical starts August 15
- G K-12 workshop at Sevilleta LTER, April 18-19.
- Colorado sampling trip, April 25-28.

Sabbatical travel

Aspen Anomaly workshop and fieldtrip, CREST and LANL funded, Aug. 29-Sept. 1.
Colorado River research trip, Sept. 10-Oct. 5.
Annual Karlstrom Quaternary Research conference, Albuquerque NM, Oct. 6-11.
Trail of Time planning workshop at Grand Canyon, Oct. 13-19.
GSA National meeting in Philadelphia, Oct. 21-26.
San Ysidro trip with biologists, Nov. 5.
Springerville fieldwork with Eileen Embid, Nov. 17-18.

Death Valley sampling trip, Nov. 22-27.
Australia sabbatical trip, Dec. 3-Jan. 2.
Work at Macquarrie with Bill Griffin, Dec. 7-8.
2nd Australasian Hydrogeology Research Conference/ meetings at U. Adelaide meeting, Dec. 12-15.
Sampling in Simpson Desert with Rien Habberme, Dec. 16-20.
In Sydney, Dec. 22-Jan. 2.
Return to USA, Jan. 2.

Barry S. Kues, Professor

Travel

Field work in Lake Valley and Hillsboro areas, NM, Feb. 19, 2006
To Los Alamos, 2007 NMGS field conference planning, April 1, 2006
Jemez Springs area, fossil collecting, April 2, 2006
N.M. Geological Society Spring meeting, Socorro, April 21, 2006
Valles caldera, road-logging for NMGS 2007 field conference, June 28, 2006
Valles caldera, field research, Aug. 4, 2006
Field work in Guadalupe Box, NM, Sept. 4, 2006
Field work with BP geologists in Guadalupe Box, NM, Sept. 25, 2006
Carlsbad area, NMGS Fall field conference, Sept. 27-30, 2006
Jemez Mountains, road logging for NMGS 2007 field conference, Oct. 6, 2006
Los Alamos area, road logging for NMGS 2007 field conference, Oct. 13, 2006

Grant A. Meyer, Associate Professor

Travel

Field work in Yellowstone National Park, Holocene beaver activity and effects on small streams, August 10-15, 2006 (with Lyman Persico and Jenn New).
Co-leader, American Quaternary Association Biennial Meeting field trip, Northern Yellowstone Area, August 16-17, 2006.
Numerous other short field research trips to Rio Chama, Sacramento Mountains, Sandia Mountains, and etc.
Assisted with SEIS/Albuquerque Teachers Institute Course, "Minerals of New Mexico", taught by Dr. Paula Watt, June 2006

Leslie D. McFadden, Chair and Professor

Travel

January through November: Several day-long field trips to the NSF – LTER site at the Sevilleta Wildlife Refuge to review results of graduate student research.
January through November: Several day-long field trips to the Sandia Mountains associated with research I am supervising that involve several graduate students.
June 10-13, and Sep. 22-23: Field work in northeast Arizona involving studies of Holocene landscape evolution.
July 5 – Visit to West Mesa Folsom archeological field site.
July 20 Presentation to Ghost Ranch Archeology Seminar Class, Ghost Ranch, NM.
July 21 – Overview of graduate student research in the Chama, NM area.

Frans Rietmeijer, Research Professor

Travel

- Sabbaticals, leaves of absence, travel, etc.

- NASA Exobiology Panel, Washington D.C., January 10-13.
- The 37th Lunar and Planetary Science Conference Program Committee, Houston, TX, Jan. 17-19.
- 37h Lunar and Planetary Science Conference, Houston, TX, March 14-18.
- NASA Astrobiology Science and Technology Instrument Development and Mission Concept studies (ASTID), Greenbelt, MD, April 4-7.
- National Science Foundation, Interstellar Medium Program Review Panel, Washington, D.C., March 23-24.
- Sample Return, The Stardust Mission-Workshop #6, Timber Cove, California, May 2-5.
- Museum& Sonnenborgh Observatory, Utrecht, the Netherlands, October 19.
- Department of Astronomy "Anton Pannekoek", University of Amsterdam, the Netherlands, October 20.
- Workshop from Brown Dwarfs to Planets: Chemistry and Cloud Formation, Lorentz Center, Leiden, the Netherlands, October 24-27.
- Department of Earth Sciences, University of Utrecht, Utrecht, the Netherlands, October 30.
- STARDUST workshop 7, California Institute of Technology, Pasadena, CA, November 3-5, 2006.

Mousumi Roy, Associate Professor

Travel

Sabbatical and Travel (leave of absence, summer teaching elsewhere, travel, etc., during the period).
Computational Infrastructure for Geodynamics (CIG) workshop, Oct 2006
Travel to Lamont-Doherty Earth Observatory, Columbia University, July-August, 2006
Sent a post-doc and a student to the Gordon Conference on Rock Deformaton, August, 2006
New Mexico Institute of Mining and Technology (NM Tech), April 2006
University of Texas, Dallas -Department colloquium; April 2006
New Mexico State University – Department colloquium, March 2006

Jane Selverstone, Professor

Travel

Big Sky, Montana, attended Gordon Research Conference, September 3-8, 2006
San Francisco, attended Fall AGU meeting, December 6, 2006.

Zachary Sharp, Associate Professor

Travel

2 weeks w/ D. Breecker in New Mexico.

Gary A. Smith, Professor

Travel

- January-May – Sabbatical research with U.S. Geological Survey. Field mapping in Jemez Mountains.
- February 9-12 – Attended Tucson Gem and Mineral Show, Tucson, Arizona
- February 15-16 - Attended NMBGMR workshop, Stratigraphy and Stratigraphic Nomenclature of the Jemez Mountains, Albuquerque, New Mexico.
- March 3-4 – Attended EBTAG Technical Planning and Coordination Workshop, Geologic and Geophysical Studies of the Española Basin; Santa Fe, NM.
- April 21 – Attended and presented a paper at the Spring Meeting of the New Mexico Geological Society, Socorro, NM.
- July 8-14, 23-30 – Geologic mapping, El Rito quadrangle, New Mexico
- July 16-20 – Research with collaborators at St. Anthony Falls Laboratory, University of Minnesota, Minneapolis, MN
- November 19-21 – Workshop on the Genesis of Crossbedding on Mars, California Institute of Technology, Pasadena, CA

Gary Weissmann, Associate Professor

Travel

Hanford, WA., DOE research project, May 2006.
Modesto, CA., presentations of San Joaquin Valley Research, July 2006.
Philadelphia, PA., GSA Annual Meeting, October 2006.

10. PUBLIC SERVICE

Adrian Brearley, Professor

Assistant referee for AYSO U14.

Laura J. Crossey, Professor

Public Service

Outreach– Education: Presented at Guides Training Seminar and river trip, Grand Canyon, AZ.
Soccer Referee, USSF Grade 6, NM State Referee, NM State Cup referee, NISOA Collegiate Referee (1997-current), NM State High School Referee
Treasurer, New Mexico Geological Society Foundation

Maya Elrick, Associate Professor

Community Service

Geoscience education presentations in elementary schools and Boy Scouts.

Peter J. Fawcett, Associate Professor

Interviewed by reporters for the Albuquerque Journal.

Joseph Galewsky, Assistant Professor

Public service

Seminar at the Albuquerque Geological Society, Furr's Cafeteria, Albuquerque, September 2006.

John W. Geissman, 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

David Gutzler, Professor

Invited presentations to nonspecialist audiences

The Science of Global Warming, New Mexico Youth Conference on the Environment, presented three times on April 12, 2006.

Global Warming and Climate Change, OASIS program for senior citizens, April 13, 2006.

Dry Years, Wet Years and Warming Trends: Climate Variability and Change in New Mexico, New Mexico Museum of Natural History, July 18, 2006.

Drought and Climate Change in New Mexico, New Mexico Drought Summit, sponsored by NM Office of the State Engineer, October 18, 2006.

21st Century Climate Change: Globally and Across New Mexico, U.S. Bureau of Land Management / New Mexico Resource Advisory Council, Albuquerque, December 6, 2006.

Effects of Global Warming on the Southwest, NM Continuing Legal Education seminar, Albuquerque, December 8, 2006.
Science Advisor to NM Environment Department and Office of the State Engineer, New Mexico Climate Change Initiative.

Lead chapter author for The Impact of Climate Change on New Mexico's Water Supply and Ability to Manage Water Resources (A. Watkins, lead author), issued by the New Mexico Office of the State Engineer, July.

Presented testimony on the Watkins report to the state Interim Joint Legislative Committee on Water and Resources, Las Vegas NM, August 21, 2006.

Interview by middle school student on being a science professor, March 30, 2006.

Multiple television and radio interviews on my forecast of a wet summer monsoon season (successful!), April and May, 2006.

Academic Decathlon coach, Highland High School, November 9 and 14, 2006.

Numerous interviews throughout the year for regional newspapers and radio and television stations regarding summer rainfall, El Niño/La Niña, drought, global warming, and other weather-related and climate-related topics.

Rhian H. Jones, Associate Professor

Public service

Visited 2nd grade class at Bandelier Elementary School to talk about geology. January 31, 2006.
Visited 3rd grade class at Bandelier Elementary School to talk about astronomy. September 18, 2006.
Hosted visit of Edward Gonzales Elementary School (1st grade) to the Meteorite Museum. April 28, 2006.

Karl E. Karlstrom, Professor

Public service

Public outreach and geoscience education at Colorado River Guides seminar and first half GTS interpretive river trip.
We made major progress in 2006 towards establishing the Trail of Time at Grand Canyon, which will be one of the world's largest geoscience exhibitions.

Barry S. Kues, Professor

Public service

Interview with a writer for Bienvenidos magazine (Santa Fe) on geology from Albuquerque to Taos (April 13, 2006)
Identified geological specimens and answered geological questions for the public.
Presented talks to several groups touring the Geology Museum.

Grant A. Meyer, Associate Professor

Public service

UNM Alternate Delegate, Middle Rio Grande Endangered Species Act Science Subcommittee.
Yellowstone Association Institute course for general public, "Shaping the Northern Yellowstone Landscape", Aug. 7-9, 2006.
Guest lecturer in E&PS and EnvSc classes, UNM-Gallup.
Answered miscellaneous inquiries on geological matters for the general public.

Leslie D. McFadden, Chair and 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.

Frans Rietmeijer, Research Professor

Public Service

Lecture "Comets and the NASA Stardust Mission" (in Dutch), Museum& Sonnenborgh Observatory, Utrecht, the Netherlands, October 19

Interview "Ancient History: UNM Scientists will examine slices of stardust from clues to the origins of the solar system", The Albuquerque Journal, January 28 by John Fleck

Interview "Sweeping up STARDUST", The Albuquerque Journal, December16 by John Fleck

Mousumi Roy, Associate Professor

Public Service

Spoke to reporters at UNM Today, the Albuquerque Tribune, and the Albuquerque Journal on ongoing work measuring rates of deformation in the Rio Grande Rift using GPS
NSF-Earthscope Teacher Training Workshop (April 2006), co-organizer with Matt Nyman
Participated in AGI/GSA sponsored documentary mini-series "Faces of Earth", Nov 2006

Jane Selverstone, Professor

Public service

Judge, Northwestern New Mexico Regional Science and Engineering Fair, March 17, 2006
Jury Duty, Bernalillo Country Metropolitan Court, June 7-20, 2006.

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IV. GRADUATE PROGRAMS AND STUDENT SCHOLARSHIPS
(Calendar Year 2006-2007)

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SUMMARY OF THE GRADUATE PROGRAM

The total number of graduate students in the Department in 2006-2007 was 52, a number that has not changed substantially over the past decade or so, since 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 MS student, and at least three years for a Ph.D. student with a MS degree). As of the Spring of 2007, again over 50% (30 of 52) of the graduate students were women, a continuation of a trend that began during the last decade. Also, about 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.

In the last several annual reports, Department 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 remain excellent. 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.

Considerable evidence shows that the graduate program continues to be quite strong. Again, during the 2006-2007 academic year, many of our students won prestigious national fellowships or research awards, from sources such as the Geological Society of America and Sigma Xi. One of our students, Jamie Barnes was selected in late Spring, 2007, as one of five L'Oreal Women in Science Fellows, which is presently supporting her continued research as a post doctoral scientist in our department. 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 quartile of these applicants have outstanding academic records, and usually they also receive several competing offers from top Earth Science Departments elsewhere in the nation. Nevertheless, we continue to have good success attracting quality students to the Department, for Fall, 2007, about 50 percent of the applicants to whom we made TA or RA offers ultimately accepted and entered our program.

As might be expected from graduate students of this caliber, they have also succeeded in publishing numerous papers in many journals, some 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.

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TABLE 1. Bachelor's, Master's and Doctoral Students Degrees, Fall, 2006– Spring, 2007.

Doctoral Student **(2006)**

Scott Andrew DuFrane

Doctoral Student **(2007)**

Jennifer E. Edmunson
Barton R. Faulkner
Dennis L. Newell

M.S. Students **(2006)**

Alexis K. Ault
Amy L. Luther
Vanesa L. Meier
Nathan M. Mills
Scout Muggleton
Ginny L. Rust

M.S. Students **(2006)**

Jedediah D. Frechette
Melissa J. Nelson
Jennifer New

Bachelor of Science **(2006)**

David Abrams
Crystal L. Tulley

Bachelor of Science **(2007)**

Johanna Blake
Caleb Lewis
Gregory Peacock
Lavina Becenti
Jamar Bynum
Ryan McGuill
James Pyburn

Bachelor of Science in Environmental Science **(2006)**

Leslie Sublett

Bachelor of Science in Environmental Science **(2007)**

Matthew T. Dillan
Denise Skinner
Lani Tsinnajinnie

Bachelor of Arts **(2007)**

Bethany R. Ader
Faye Peters

Minor in Earth and Planetary Sciences / Environmental Sciences

Amy Coplen
Justin M. Lemons
Nathan Lyons
Audrey Medina
Jolene E. Trujillo
Jesse W. Vanwestrienen

TABLE 2. Department of Earth and Planetary Sciences – Summary of Graduate Student Admissions, Fall 2006-2007.

FALL 2007 GRADUATE APPLICANTS (GRADUATE APPLICATION SUMMARY DATA)									
APPLICANTS TOTAL		ADMITTED		% ADMITTED		ACCEPTED		% ADMITTED / ACCEPTED	
42	MS	15	MS	36%	MS	6	MS	40%	MS
24	PHD	13	PHD	54%	PHD	7	PHD	54%	PHD
66	TOTAL	28	TOTAL	42%	TOTAL	13	TOTAL	46%	TOTAL
FEMALE APPLICANTS									
13	MS	9	MS	69%	MS	6	MS	67%	MS
17	PHD	8	PHD	47%	PHD	5	PHD	63%	PHD
30	TOTAL	17	TOTAL	57%	TOTAL	11	TOTAL	65%	TOTAL

FALL 2006 GRADUATE APPLICANTS (GRADUATE APPLICATION SUMMARY DATA)									
APPLICANTS TOTAL		ADMITTED		% ADMITTED		ACCEPTED		% ADMITTED/ ACCEPTED	
29	M.S.	11	M.S.	40	M.S.	6	M.S.	55	M.S.
27	Ph.D.	12	Ph.D.	44	Ph.D.	6	Ph.D.	50	Ph.D.
56	TOTAL	23	TOTAL	41	TOTAL	15	TOTAL	65	TOTAL
FEMALE APPLICANTS									
16	M.S.	6	M.S.	38	M.S.	4	M.S.	67	M.S.
12	Ph.D.	5	Ph.D.	42	Ph.D.	5	Ph.D.	100	Ph.D.
28	TOTAL	11	TOTAL	39	TOTAL	9	TOTAL	82	TOTAL

TABLE 3. Department of Earth and Planetary Sciences – Graduate Student Enrollment, Fall 2006-2007.

FALL 2006 GRADUATE STUDENTS			
FEMALE	M.S.	13	
MALE	M.S.	6	
FEMALE	PH.D	17	
MALE	PH.D.	12	
		TOTAL	482

SPRING 2007 GRADUATE STUDENTS			
FEMALE	M.S.	14	
MALE	M.S.	7	
FEMALE	PH.D.	16	
MALE	PH.D.	15	
		TOTAL	52

Many Graduate and Undergraduate students were supported by scholarships, fellowships, and other awards during the 2006-2007 year fact are mentioned in the UNM Foundation. During the 2006-07 year, the total value of fund awards was well over $50,000.00). 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.

Graduate and Undergraduate Scholarships and Awards

Geology Alumni Fellowship Fund

Jana Berlin	Caitlin Callahan	Devin Gaugler	John Hurley
Linda Hurley	Karen Hutchins	Euan Mitchell	Scott Muggleton
Kristen Mullen	Travis Naibert	Jennifer New	Mark Tyra

Harry and Mabel Leonard Scholarship

Rose Afandi	David Anderson	Aaron Coffman	Alex Drue
Joshua Gallegos	Nicholas George	Alex Gibbs	Angelica Gurule
Patrick Higgins	Doreen Jameson	Alexandra Kirk	Caitlin LaChance
Leslie Livengood	Susan Meyers	Ian Moore	John D.W. Nance
Mark Poindexter	Andrea Pompeo	Mitchell Reese	Roxane Skalski
Antonio Trujillo	Crystal Tulley	Peter Van Patten	Lynda Walls

General Thomas Campbell Award

Johanna Blake	Doreen Jameson	Timothy Lite	Shannon Miller
Faye Peters	Mariel Tribby	William Woodruff	

James Drew Pfeiffer Memorial Award

Patrick Higgins

Outstanding Student of the Year Award

Stuart A. Northrop Award (Johanna Blake)
Sherman A. Wengerd Award (Timothy Lite)
J.P. Fitzsimmons Award (William Woodruff)
V.C. Kelley Outstanding Field Geologist (Gregory Peacock and Eric Tegtmeier)
Roger Y. Anderson Award (Doreen Jameson)
Outstanding Environmental Science Graduate (Mariel Tribby)

Other Graduate and Undergraduate Student Awards

New Mexico Geological Society, Lucille H. Pipkin Book Scholarship: Susan Meyers, Shannon Miller, Ian Moore
Albuquerque Gem and Mineral Club Scholarship: Johanna Blake

New Mexico Geological Society, Fall Field Conference Scholarship: Johanna Blake, Faye Peters, Crystal Tulley
New Mexico Geological Society, Lucille Pipkin Senior Scholarship: Melissa Noel Gill

Several undergraduate students graduated with Departmental Honors, which requires original research, and Honors Thesis on this research, and a presentation to the Department. These students are:

Bachelor of Science
Departmental Honors – Senior Thesis

David Abrams, cum laude, Fall, 2006 – "New Mexico Trail of Time: Conceptual Development of a Geoscience Education Exhibit at the University of New Mexico Main Campus." Advisors: Dr. Laura J. Crossey and Dr. Karl E. Karlstrom.

Johanna Blake, cum laude, Summer, 2007 – "The Gabbros of Monhegan Island, Maine: Formation in an Arc, or at a Mid-Ocean Ridge?" Advisor: Dr. Jane Selverstone.

Caleb Lewis, Spring, 2007 – "The Microovertebrate Fauna of the Late Cretaceous (Late Santonian - Early Campanian) Menefee Formation of Northwestern New Mexico, and its Paleoecological Implications." Advisor: Dr. Thomas Williamson.

Gregory Peacock, cum laude, Spring, 2007 – "Anisotropy of Magnetic Susceptibility and Paleomagnetism of the Mid-Tertiary Three Peaks Laccolith, Iron Axis Province, SW Utah." Advisors: Dr. John W. Geissman and Dr. Michael Petronis.

Lani Tsinnajinnie, cum laude, Spring, 2007 – "Assessing Geothermal Resources in Truth or Consequences, New Mexico: Using a Silica Geothermometer." Advisor: Dr. Laura J. Crossey.

Graduate Student Scholarship and Awards

Outstanding Master of Science Student

Jedediah Frechette

Outstanding Doctor of Philosophy Student

Dennis Newell

Albert M. Kudo Outstanding Teaching Assistant

Dennis Newell

Outstanding Beginning Teaching Assistant

Jennifer New

Jean-Luc Miossec Memorial Scholarship

Leah Roberts Amy Ellwein

Vincent C. Kelley Memorial Scholarship

Ryan Crow Matthew Kirk

Richard P. Vann Memorial Scholarship

Kate Zeigler

Rodney C. Rhodes Memorial Scholarship

Jana Berlin

Alexander and Geraldine Wanek Scholarship

Dan Breecker	Amy Ellwein	Devin Gaugler	Travis Naibert
Ginny Rust	Mel Strong	Ben Swanson	

Jerry Harbour Memorial Endowed Scholarship Fund

Eileen Embid Kristen Mullen

Sherman A. Wengerd Travelling Fellowship

Eileen Embid Jack Grow Leah Johnson

Graduate Degrees Awarded

The following students received M.S. and Ph.D. degrees in Earth and Planetary Sciences, Fall 2006 and Spring, 2007 (no summer degrees are listed). Thesis/dissertation titles and faculty advisors are also indicated.

Master of Science

Alexis K. Ault, 2006 – "Microtextural Constraints on the Relationships Between Fluid-Rock Reactions and Deformation." Advisor: Dr. Jane Selverstone.

Jedediah D. Frechette, Spring, 2007 – "Millennial Scale Changes in Fan Deposition and Fire Severity in Ponderosa Pine Forests, Sacramento Mountains NM." Advisor: Dr. Grant Meyer.

Amy L. Luther, Fall, 2006 – "History and Timing of Polyphase Proterozoic Deformation in the Manzano Thrust Belt, Central New Mexico." Advisor: Dr. Karl E. Karlstrom.

Vanessa L. Meier, Fall, 2006 – Evaluating of MODIS SO_2 Retrievals from Volcanic Plumes at Anatahan Volcano: Comparison with COSPEC and miniDOAS Ground-Based SO_2 Measurements." Advisors: Dr. Tobias Fischer and Dr. Louis Scuderi.

Nathan M. Mills, Fall, 2006 – "Metal-Silicate Partitioning of Cesium: Implications for Core Formation." Advisor: Dr. Carl Agee.

Scott Muggleton, Fall, 2006 – "Paleomagnetism and Anisotropy of Magnetic Susceptibility of the Spanish Peaks Igneous Complex, South-Central Colorado: Implications for the North American Mid-Cenozoic Reference Paleomagnetic Pole and Magma Emplacement Mechanisms." Advisor: Dr. John W. Geissman.

Melissa J. Nelson, Spring, 2007 – "Major Element Signatures and Mineralogy of the Chicxulub Crater Yaxcopoil-1 Impactites Provide Evidence for Dual Melt Phases and Depositional Sequence." Advisor: Dr. Carl Agee.

Jennifer New, Spring, 2007 – "Holocene Charcoal-Based Alluvial Fire Chronology and Geomorphic Implications in Caballero Canyon, Sacramento Mountains, New Mexico." Advisor: Dr. Grant Meyer.

Ginny L. Rust, Fall, 2006 – "Geologically-Based Modeling of Complex Groundwater Flow Patterns at Lawrence Livermore National Laboratory: A Combined Application of Geostatistical Methods and Multiple Geologic Scenarios for Capturing Subsurface Realities." Advisor: Dr. Gary Weissmann.

Doctor of Philosophy

Scott Andrew DuFrane, Fall, 2006 – "U-Series Investigations of Magma-Genesis and Differentiation at Island Arcs and Continental Settings." Advisor: Dr. Yemane Asmerom.

Jennifer E. Edmunson, Spring, 2007 – "Evolution of the Early Lunar Crust: Chronology Studies of Mg-Suite Samples 78238 and 76335." Advisor: Dr. Carl Agee.

Barton R. Faulkner, Spring, 2007 – "Compartmental Modeling Approach for Evaluating Nutrient Retention and Attenuation in Streams." Advisors: Dr. Michael E. Campana and Dr. Laura J. Crossey.

Dennis L. Newell, Spring, 2007 – "Hydrogeochemistry of CO_2-rich Mineral Springs: Implications for Tectonics and Microbiology." Advisors: Dr. Zachary Sharp and Dr. Laura J. Crossey.

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 2006-2007:

Ph.D.

- ***Scott Andrew DuFrane*** – Post-Doctoral Fellow at Washington State University.
- ***Jennifer E. Edmunson*** – Teaching a class at the University of New Mexico, Albuq. NM.
- ***Barton R. Faulkner*** – Employed with the Environmental Protection Agency in Ada, Oklahoma.
- ***Dennis L. Newell*** – Accepted a post-doctoral appointment at Los Alamos National Labs, Los Alamos, NM.

M.S.

- ***Alexis K. Ault*** – Ph.D. Program at the University of Colorado.
- ***Jedediah D. Frechette*** – Working at the University of New Mexico as a LIDAR Lab Research Assistant.
- ***Amy L. Luther*** – Working on Ph.D. at New Mexico Tech, Socorro, NM.
- ***Vanessa L. Meier*** – Resides in Los Angeles, California working on her MS thesis.
- ***Nathan M. Mills*** – On Submarine Duty with the US Navy, based in Seattle.
- ***Scott Muggleton*** – In Ph.D. Program in the Department of Earth and Planetary Sciences, University of New Mexico, Albuquerque, NM
- ***Melissa J. Nelson*** – Working for an Environmental Organization in California.
- ***Jennifer New*** – Looking for Geoscience work, focusing on the Western Washington area.
- ***Ginny L. Rust*** – In Ph.D. Program in the Department of Earth and Planetary Sciences, University of New Mexico, Albuquerque, NM

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V. DONATIONS TO DEPARTMENT
(Calendar Year 2006-2007)

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DONATIONS TO DEPARTMENT

July 1, 2006 to June 30, 2007 Fiscal Year

Geology Chair Account

Frank and Marie Gorham Foundation
Mr. and Mrs. Patrick J.F. Gratton
Harry J. Gratt
Wayne P. Lambert
Merri L. Trugilio
Richard Lee Ford
James Lee Martin
Daniel K. Gorham
Anne Celeste Tillery
Richard B. Moore
Sandra Underwood
Theodore Bornhorst
William L. Chenoweth
Jane Pedrick Dawson
Malcolm Lee Goode
Robin E. Bloomfield
John M. Lucas
John G. Kuhn
Birgit Krause Landin
Bill P. Lovejoy
Lenore R. Pardee
John D. Bloch
William C. Carrigan

Harding Pegmatite Mine

Friends of University of Missouri Geology
Lee A. Beisch
Cynthia Barnett
Kay Brown
John B. Harris
Linda Lee Davis
Ross Lee Davis
Clare Lighton
Gerald E. Schultz
David A. Gonzales
Judith A. Copeland
Steven L. Story
Anonymous

Sherman & Florence Wengerd Traveling Fellowship

Mr. Henry F. Pomeroy, Jr.

Dr. Grant Meyer's Quaternary Studies Program

Richard Michael Ortiz

Gratton Simon's Endowment

Patrick J.F. Gratton

Vincent Kelley Memorial Scholarship

Dr. Leon Silver

Paleontology/Stratigraphy Scholarship

Bill Lovejoy

Geology Museum and Collections

Friends of Earth and Planetary Sciences
Anonymous

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APPENDIX I

MUSEUM AND HARDING PEGMATITE LOG

2006-2007

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Geology Museum Register

JULY 1, 2006 – JUNE 30, 2007

DATE	ORGANIZATION	GRADE	# OF STUDENTS	# OF ADULTS
7/06/06	YMCA LOS ALAMOS	1ST	30	4
7/10/06	ALBUQ. COMM. SCHOOL	3RD - 4TH	13	2
7/10/06	YMCA LOS ALAMOS	3RD	10	3
7/12/06	YMCA LOS ALAMOS	5TH	20	3
7/24/06	NM MUSEUM OF NAT. HISTORY	4TH - 5TH	13	2
7/28/06	SAN FELIPE MIDDLE SCHOOL	6TH - 8TH	60	10
JULY, 2006 TOTAL			**146**	**24**
AUGUST, 2006 TOTAL			**0**	**0**
9/21/06	OÑATE ELEM. SCHOOL	5TH	23	5
9/29/06	PUESTA DEL SOL	4TH	60	10
SEPTEMBER 2006 TOTAL			**83**	**15**
10/03/06	MOUNTAIN VIEW ELEM. SCHOOL	4TH	50	10
10/13/06	A. MONTOYA ELEM.	3RD	45	8
10/13/06	OSUNA ELEM. SCHOOL	4TH	60	5
10/24/06	21ST CENTURY	8TH	33	2
10/25/06	BARRELAS COMM. CENTER	1ST - 5TH	26	5
10/26/06	PLACITAS ELEM. SCHOOL	2ND - 3RD	56	10
10/31/06	BOSQUE MIDDLE SCHOOL	8TH	17	2
10/31/06	21ST CENTURY	8TH	33	2
OCTOBER, 2006 TOTAL			**320**	**44**
11/02/06	BOSQUE ELEM. SCHOOL		15	2
11/06/06	BOSQUE ELEM. SCHOOL		17	2
11/08/06	PLACITAS ELEM.	K - 1ST	50	5
11/08/06	BOSQUE ELEM.		16	2
11/09/06	OSUNA ELEM.	3RD	75	15
11/09/06	BOSQUE ELEM.		16	2
11/10/06	PLACITAS ELEM.	4TH - 5TH	52	5
11/15/06	BANDALIER	K	35	12
NOVEMBER, 2006 TOTAL			**276**	**45**
12/01/06	MONTESSORI ELEM.	1ST-2ND	25	5
DECEMBER, 2006 TOTAL			**25**	**5**

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Geology Museum Register

JULY 1, 2006 – JUNE 30, 2007

DATE	ORGANIZATION	GRADE	# OF STUDENTS	# OF ADULTS
1/24/07	HOPE CHRISTIAN	5TH	23	4
1/30/07	NM MESA HIGH SCHOOL	9TH - 12TH	65	10
JANUARY, 2007 TOTAL			**88**	**14**
2/14/07	LONG FELLOW ELEM.	10TH - 2TH	62	12
2/27/07	MANZANO MESA ELEM.	4TH	50	10
2/27/07	SOLOMON SCHEATER	2ND	19	7
FEBRUARY, 2007 TOTAL			**131**	**29**
3/09/07	CORRALES ELEM.	K - 2ND	40	4
3/12/07	UNM CHILDRENS CAMPUS	PRE-SCHOOL	32	6
3/15/07	COTTONWOOD MONTESSORI		22	6
3/20/07	PERALTA ELEM.	1ST	48	14
3/20/07	DANIEL FERNANDEZ	6TH	72	12
3/30/07	UNM GERMAN CLASS			15
MARCH, 2007 TOTAL			**214**	**57**
4/03/07	ESQUELA DEL SOL.	4TH - 5TH	30	5
4/09/07	PAISCH-GERMANY			15
4/20/07	COCHITI MID-SCHOOL	6TH	45	8
4/27/07	MONTESORRI ELEM.	1ST - 2ND	37	6
4/27/07	PUESTA DEL SOL.	4TH - 5TH	40	6
APRIL, 2007 TOTAL			**152**	**40**
5/03/07	KIT CARSEN ELEM.	5TH	90	20
5/10/07	JEMEZ PUEBLO	3RD - 6TH	6	1
5/16/07	EAST SAN JOSE	K	60	10
5/17/07	MANZANO MESA ELEM.	4TH	55	8
5/17/07	SANTO DOMINGO ELEM.	3RD	15	4
5/17/07	SUSZY REYES ELEM.	2ND - 3RD	40	15
MAY, 2007 TOTAL			**266**	**58**
6/14/07	SANTO DOMINGO MID. SCHOOL	6TH, 7TH, 8TH	20	4
6/15/07	UNM UPWARD BOUND	5TH	16	4
6/21/07	LAPETITE ACADEMY		20	3
6/29/07	KINGDOM BUILDERS	3RD - 6TH	9	2
JUNE, 2007 TOTAL			**65**	**13**
GRAND TOTAL			**1,766**	**344**

UNIVERSITY OF NEW MEXICO
DEPARTMENT OF EARTH AND PLANETARY SCIENCES
HARDING PEGMATITE MINE
Visitors - **2006 - 2007**

STATE	2006						2007						STATE TOTAL
	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	
												10	10
ALABAMA	12										8		20
ALASKA													
ARIZONA	3			3									6
ARKANSAS				1									1
CALIFORNIA	1	2	2	4	4						6		19
COLORADO	3	2	2		4				9	3	1		24
CONNECTICUT											2		2
DELAWARE													
FLORIDA				2		1				4		3	10
GEORGIA													
HAWAII													
IDAHO													
ILLINOIS		1											1
INDIANA	3												3
KANSAS		6											6
KENTUCKY	1	2											3
LOUISIANA													
MARYLAND		2											2
MASSACHUSETTS	4											2	6
MICHIGAN											4		4
MINNESOTA		2		2									4
MISSISSIPPI		4											4
MISSOURI	1	7	4	2									14
MONTANA	4								6				10
NEBRASKA													
NEVADA	1												1
NEW HAMPSHIRE	4			5									9

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UNIVERSITY OF NEW MEXICO
DEPARTMENT OF EARTH AND PLANETARY SCIENCES
HARDING PEGMATITE MINE
Visitors - **2006 - 2007**

STATE	2006						2007						STATE TOTAL
	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	
NEW JERSEY													
NEW MEXICO	38	71	23	32	1	1			27	17	41	18	269
NEW YORK	3	2		1									6
NORTH CAROLINA				2							6		8
OHIO		3			1				2			2	8
OKLAHOMA		3		5									8
OREGON	2										3	3	8
PENNSYLVANIA	3									1			4
SOUTH DAKOTA													
TENNESSEE					3								3
TEXAS	14	19		4					9		1	10	57
UTAH													
VIRGINIA									2				2
WASHINGTON										3			3
WISCONSIN										3	1		4
WYOMING													
AUSTRALIA													
CANADA									2		2		4
FRANCE													
GERMANY													
JAPAN			2										2
MAINE													
VERMONT											2		2
MONTH TOTAL	**97**	**128**	**31**	**66**	**10**	**2**			**57**	**31**	**77**	**48**	**547**

UNIVERSITY OF NEW MEXICO
DEPARTMENT OF EARTH AND PLANETARY SCIENCES
HARDING PEGMATITE MINE
COLLEGE / UNIVERSITY / OTHER VISITORS
2006 - 2007

DATE	NUMBER OF VISITORS	COLLEGE / UNIVERSITY / OTHER
7/01/06	40	MINERAL GROUP OF ALBUQUERQUE, NEW MEXICO
7/01/06	12	UNIVERSITY OF ALABAMA, DEPARTMENT OF GEOLOGICAL SCIENCES
7/03/06	3	BUCKNELL UNIVERSITY, LEWISBURG, PENNSYLVANIA
7/14/06	23	UNIVERSITY OF NEW MEXICO, TAOS BRANCH, NEW MEXICO
7/25/06	30	YMCA, LOS ALAMOS, NEW MEXICO
8/06/06	2	GAGE EXPEDITION, TEXAS
8/29/06	16	FORT LEWIS COLLEGE, MINERALOGY CLASS, COLORADO
9/21/06	19	SAN JUAN COLLEGE, FARMINGTON, NEW MEXICO
10/21/06	10	WEST TEXAS A&M UNIVERSITY, CANYON, TEXAS
3/27/07	4	NEW MEXICO BUREAU OF GEOLOGY, SOCORRO, NEW MEXICO
4/19/07	10	UNIVERSITY OF NEW MEXICO, BLUE PLANET, TAOS BRANCH, NEW MEXICO
4/30/07	10	UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, NEW MEXICO
5/14/07	13	UNIVERSITY OF NORTH CAROLINA, SUMMER FIELD COURSE, WILMINGTON, NORTH CAROLINA
5/14/07	52	CHAMISA ELEMENTARY, LOS ALAMOS, NEW MEXICO
6/01/07	5	UNIVERSITY OF NEW MEXICO, EARTH AND PLANETARY SCIENCES, ALBUQUERQUE, NEW MEXICO
6/01/07	11	UNIVERSITY OF HOUSTON
6/04/07	28	CHILDRENS ADVENTURE COMPANY, SANTA FE, NEW MEXICO
6/05/07	50	UNIVERSITY OF NEW MEXICO, CLAY MINERAL SOCIETY, ALBUQUERQUE, NEW MEXICO
6/07/07	14	UNIVERSITY OF NEW MEXICO, TAOS BRANCH, NEW MEXICO
6/07/07	20	UNIVERSITY OF FLORIDA, FIELD CAMP
6/13/07	26	UNIVERSITY OF TEXAS, ARLINGTON
6/20/07	21	CHILDRENS ADVENTURE COMPANY, SANTA FE, NEW MEXICO
2006 – 2007	**419**	**COLLEGE / UNIVERSITY / OTHER VISITORS TOTAL**

403

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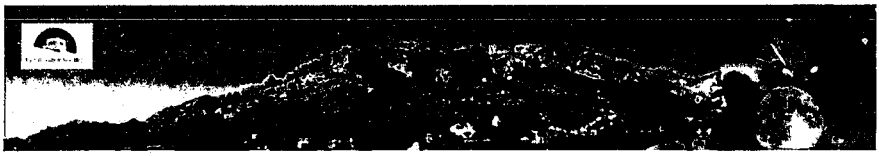

THE ANNUAL REPORT OF THE INSTITUTE OF METEORITICS

July 1, 2006 to June 30, 2007

Carl B. Agee, Director

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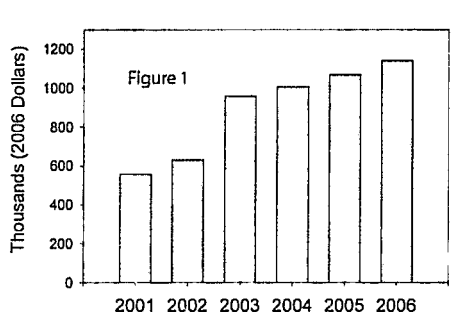
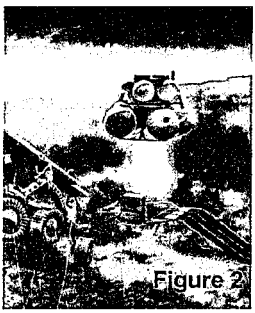
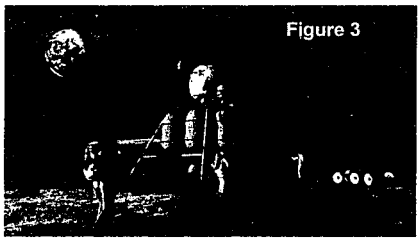
INTRODUCTION

The past year was marked by the arrival of significant new funding for the Institute of Meteoritics (IOM) and the recruitment of senior research scientists Penny King and David Lescinsky. The new funding amounted to $1,149,615 and came in the form of a 1-year NASA grant for the establishment of an Astromaterials Institute at the University of New Mexico. Carl Agee serves as PI and the Director of the Astromaterials Institute and it is administered through the IOM. The infusion of the new Astromaterials funds enabled us to carry out a successful search to fill two open positions in the IOM, which includes the establishment of a new Infrared Spectroscopy Laboratory, led by Penny King. Penny King and David Lescinsky left faculty positions at the University of Western Ontario to join the IOM team and we look forward to highlighting their accomplishments in next year's annual report. The IOM Senior Scientists and Research Faculty continued to be successful in carrying out sponsored research, booking a total of $1,141,000 in expenditures from overhead-encumbered accounts (individual NASA and NSF research grants, not counting the Astromaterials grant) in 2006, representing a nearly 7% increase over last year, and a more than doubling since 2001 (+104%, adjusted for inflation, 2006 dollars, see figure 1). We feel this is a remarkable accomplishment during a time when federal funding for basic science is so competitive. Other funding highlights during the year were two new NASA Cosmochemistry grants awarded to Carl Agee totaling $360,000 for three years, to carry out "Experimental Studies of Planetary Magmas at High Pressure," and to Barbara Cohen totaling $214,000 for three years to study the "Bombardment History of the Inner Solar System." During the Annual Report period the IOM had 22 active external grants totaling $5,749,857.





Our research activities continue to have a significant impact on the field of planetary materials research. We produced 34 peer-reviewed publications that appeared in internationally recognized scientific journals. The staff and students were active in disseminating our new results through the presentation of 59 research papers at numerous high-profile scientific meetings. For example, we presented 23 research papers at the annual Lunar and Planetary Science Conference in Houston. Our contributions at this prestigious meeting were highlighted in wide range of sessions on studies of the surface and deep interior of Mars and the Moon. The future of the IOM looks bright. NASA has recently announced that it will carry out a Mars Sample Return Mission (figure 2), which places the IOM in a very favorable position to expand its funded research by this very high profile activity. We also expect to see our base research effort further enhanced through participation in NASA's new program to return to the Moon (figure 3).



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FACULTY AND STAFF

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FACULTY AND STAFF

Director, Institute of Meteoritics
Dr. Carl B. Agee

Senior Research Scientists III
Dr. David Draper
Dr. Horton Newsom
Dr. Charles Shearer

Senior Research Scientist I
Dr. James Karner

Research Scientist III
Michael Spilde

Research Specialist
Paul V. Burger

Research Professors
Dr. V. Rama Murthy
Dr. James Papike
Dr. Robert Reedy
Dr. David Rubie

Research Assistant Professor
Dr. Barbara Cohen

Administrative Personnel
Shannon Clark, Program Coordinator
Lee Ann Lloyd, Administrative Assistant II
Kevin Sandoval, Workstudy

Graduate Students
Rachel Dwarzski (Ph.D.)
Jennifer Edmunson (Ph.D.)
Karen Hutchins (Ph.D.)
Nina Lanza (Ph.D.)
Emily Martin (Ph.D.)
Nathan Mills (M.S.)
Melissa Nelson (M.S.)

Separations from Staff
Lars Borg, Senior Research Scientist III
(Date of Separation: August 4, 2006)

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1. RESEARCH

RESEARCH

Research activities of staff and students of the Institute of Meteoritics cover a wide range of topics, mostly aimed at understanding the origin of solar system bodies and the evolution of the planets. More specifically, we have major research initiatives to investigate crust/mantle differentiation and surface processes on Mars and the Moon, and experimental studies of planetary interiors.

Our research during the report period has resulted in the publication of scientific articles in major national and international journals, as well as in the publication of abstracts of papers presented at national and international conferences. The extensive involvement of students in original research projects in the Institute of Meteoritics is particularly important for their education and advanced training.

Funded Research
22 total active awards during this Annual Report period: $5,749,857

Experimental Studies of Planetary Magmas at High Pressure
Funded by the Cosmochemistry Program, NASA. P.I. Carl Agee
Total Award Amount: $360,000; Award Period: May 1, 2007 – April 30, 2010

This work focuses on three main tasks: 1) Partitioning of volatile elements between mantle and core, 2) Compressibility of hydrous and carbonated, iron-rich silicate liquid and density crossovers in volatile-bearing planetary mantles, 3) High pressure melting experiments constraining mantle source regions for martian basalts. All three tasks will be carried out in the high-pressure and analytical laboratories at the Institute of Meteoritics, University of New Mexico. Results from these studies should advance our understanding of the differentiation and the role volatiles in the Earth, Mars, and other planetary bodies.

Astromaterials Institute at the University of New Mexico
Funded by NASA. P.I. Carl Agee
Total Award Amount: $1,149,615, Award Period: Sept. 30, 2006 – Oct. 1, 2007, no cost extension to Oct. 1, 2008.

This project includes upgrades and new equipment acquisition for analytical and experimental laboratories in New Mexico's unique, NASA-focused center. Astromaterials research includes the study of returned samples from missions to Mars, the Moon, and other parts of the solar system, meteorites, and laboratory-synthesized samples. The proposed activities of the Astromaterials Institute are highly relevant to NASA's new vision that emphasizes solar system exploration and robotic and human missions to the Moon and Mars.

Static Compression of Hydrous Silicate Liquids
Funded by NSF EAR Petrology and Geochemistry Program and Geophysics Program. P.I. Carl Agee
Total Award Amount: $250,000; Award Period: June 1, 2005 – May 31, 2008

The primary goal of this project is determine the density and compressibility of hydrous silicate liquids at high-pressure. This will be accomplished by performing static compression sink/float experiments in piston-cylinder and multi-anvil devices at pressures from 0.5 to 20 GPa. These measurements will give new insight into the structure and physical properties of hydrous silicate liquids, and the mobility of water-bearing magmas in the Earth's mantle.

Geochronology of Planetary Materials: A Petrologic Approach
Funded by the Cosmochemistry Program, NASA. P.I. Lars Borg
Total Award Amount: $420,000; Award Period: January 15, 2005 – January 15, 2008

The objectives of this Cosmochemistry program funded research are to obtain isotopic analyses of martian and lunar samples and to interpret these data in a petrologic and geochemical context. These

analyses will define the crystallization ages and initial isotopic compositions of selected samples and provide a basis for estimating the composition of magma source regions, the timing of source region formation, and the style of chemical interactions between these source regions on both Mars and the Moon.

Chronological and Mineralogical Studies of Shocked Terrestrial Basalts: A Martian Analogue
Funded by Mars Fundamental Research Program, NASA. P.I. Lars Borg
Total Award Amount: $188,000; Award Period: January 15, 2003 – January 15, 2006

The goal of this Mars Fundamental Research funded project is to determine how the U-Pb, Rb-Sr, and Sm-Nd isotopic systematics of martian basalts respond to shock induced metamorphism. To complete this task Amy Gaffney completed numerous age determinations on aliquots lunar basalt 10017 that have been artificially heated and shocked in the laboratory. This project is closely tied to ion microprobe studies completed by former graduate student Johnny Chaklader (advisor Charles Shearer) who investigated the behavior of Li and B (as well as Rb, Sr, Sm, and Nd) in the same lunar samples studied for U-Pb, Rb-Sr, and Sm-Nd isotopes. This project has also lead to petrogenetic models for the igneous behavior of U-Pb in the Moon.

Bombardment History of the Inner Solar System
Funded by Cosmochemistry Program, NASA. P.I. Barbara A. Cohen
Total Award Amount: $214,000; Award Period: May 1, 2007 – April 31, 2010

The Earth maintains an incomplete record of its own bombardment, but the ancient rocks of the Moon, Mars, and the asteroids preserve abundant evidence of impact craters and their products that reflect how their surfaces have evolved over 4.5 billion years. Impact-melt rocks from these bodies provide the keys to understanding and unraveling the early bombardment history of the inner solar system, including the timing and nature of the impactors. The work in this proposal will investigate the bombardment history of the inner solar system by characterizing the geochemistry and geochronology of impact materials from the Earth, Moon, and asteroids. We will conduct age dating using laser 40Ar-39Ar methods on samples from the Moon and the ureilite parent body using techniques for small samples we have developed specifically for this work. We will complement this effort with new capabilities to obtain minor- and trace-element concentrations on these same materials by secondary ion mass spectrometry (SIMS) and inductively coupled plasma mass spectrometry (ICP-MS) to measure element concentrations as small as parts per trillion, and redox state using Mössbauer spectroscopy. Together, this powerful arsenal of techniques, brought to bear on a statistically significant number of small samples, will provide a fuller understanding of the early bombardment environment (and how faithfully it is preserved in the sample record) on the Moon, asteroids, and the inner solar system.

Investigating the Nature and Origins of Martian Impact Material with the Mars Exploration Rovers
Funded by Mars Exploration Rover Participating Scientist Program, NASA. P.I. Barbara A. Cohen
Total Award Amount: $162,000; Award Period: November 1, 2005 – October 31, 2009

Unlike the abundant impact breccias in the lunar and meteorite collections, the igneous nature of the Martian meteorites give little information about impact processes on Mars. In contrast, the MER landing sites afford us an opportunity to examine abundant Martian impact-affected material at many scales. I draw on my knowledge of lunar and terrestrial impact processes to infer basic constraints about the impact environment at the MER landing sites, particularly Gusev Crater, and what chemical and mineralogical signatures might be important in identification of impact-affected material. Using these expectations as a guide, I can help interpret the MER findings and discover ways in which the unique Martian surface affects impact processing of materials.

Weblog And Activities During The 2006-07 Antarctic Search For Meteorites
Funded by New Mexico Space Grant Consortium. P.I. Barbara A. Cohen
Total Award Amount: $6825; Award Period: November 1, 2006 – October 31, 2007

While participating in the Antarctic Search for Meteorites this winter, I propose to create and maintain a web log for public outreach. Previous field parties have maintained web logs, but my intended audience is different from previous activities – I will target teachers, adults and members of the public who take an active interest in diverse scientific topics. My ANSMET web log will to give in-depth information and real-time data from a unique vantage point not only on meteorite hunting in the Antarctic, but also on why meteorites are important objects, classification and active research, information on meteorite history, aspects of Antarctic geology and meteorology, and the very interesting human aspect of spending 6 weeks in the deep field of the most remote continent on Earth.

Experimental Studies of Garnet-Melt Trace Element Partitioning
Funded by the Earth Sciences Program, National Science Foundation. P.I. David Draper
Total Award: $299,810; Award Period: June 1, 2004 – May 31, 2007

This project is in its final stages. A pair of companion papers coauthored with Dr. Willem van Westrenen has been submitted to Contributions to Mineralogy and Petrology that lay out the new thermodynamic and statistical formulations for predicting garnet-melt trace element partitioning that have been determined in this project. The new model accounts far better for partitioning both in Fe-rich systems relevant to extraterrestrial petrogenesis, and for garnets incorporating a substantial component of the high-pressure form, majorite. The new model also takes explicit account of a melt-composition term, a first for this type of modeling. The new model fails, however, to predict partitioning in hydrous systems, and redressing this shortcoming will be the subject of a new NSF proposal submitted in December 2006. During the final year of this project, experiments are underway at >10 GPa to fill gaps in the existing anhydrous database using a range of terrestrial and extraterrestrial compositions as starting materials.

Upgrading Of High-Pressure Experimental Petrology Laboratory At University Of New Mexico
Funded by the Earth Sciences Instruments & Facilities Program, National Science Foundation. P.I. David Draper
Total Award: $15,519; Award Period: July 1, 2005 – June 30, 2007

A small grant was awarded to fund upgrades of the high pressure lab. New electrical circuits and a recirculating water chilling system were installed to service our new QuickPress nonendloaded piston-cylinder device purchased from Depths of the Earth Co. Our 600-ton Clifton press is presently being refurbished and will be converted into a second multi-anvil press when it is re-delivered to the lab during September 2007. New components were fabricated to convert the University of Oregon press frame obtained last year into an endloaded piston-cylinder capable of attaining pressures to 4.0 GPa. This grant will be concluded with the fabrication of the final components and installation of pumps, valves, etc.

An Isotopic Study of Lunar Mg-suite Rocks: Application of Sm-Nd, Rb-Sr, and U-Pb Techniques
Funded in part by a NASA Graduate Student Research Program Fellowship. P.I. Jennifer Edmunson
Total Award Amount: $72,000; Award Period: August 1, 2003 – July 31, 2006

Concurrent Sm-Nd, Rb-Sr, and U-Pb isotopic studies of the lunar magnesium suite (Mg-suite) are necessary to: 1) constrain the age of lunar magma ocean crystallization; 2) determine precisely the time of Mg-suite magmatism, as well as the nature of the mantle source(s); and 3) explore geochemical relationships between the lunar crust and the Mg-suite. This study is the first to apply all three isotopic systems to the same mineral fractions of lunar rocks, which will allow direct comparisons between the three isotopic systems. Research concluded as part of a Ph.D. dissertation under the direction of Dr. Lars Borg (currently at Lawrence Livermore National Laboratory) and Dr. Carl Agee. Work has been completed on two samples using the thermal ionization mass spectrometer and clean lab facilities at the Johnson Space Center and in Earth and Planetary Sciences at UNM.

A Broker/Facilitator Partnership to Serve the South Central, Southwest Region and Hawai'i
Funded by the Office of Space Science-Broker Facilitator Program, NASA. P.I. Horton Newsom
Total Award Amount: $121,000; Award Period: March 1, 2002 – February 28, 2007

Dr. Newsom is a co-investigator for a Broker-facilitator project led by the Lunar and Planetary Science Institute. This project coordinates activities for teachers and informal science centers to learn more about NASA planetary science missions and research. A major component of the program is an intensive annual professional development workshop for teachers. These workshops provide interactions with NASA researchers and a field science experience.

Educational Activities for the DAWN Mission to Asteroids Ceres and Vesta
Funded by the Office of Space Science, NASA. P.I. Horton Newsom
Total Award Amount: $25,000; Award Period: January 1, 2003 – January 31, 2007

Dr. Newsom is a member of the educational team for the DAWN mission and is providing information on the connection between meteorites and asteroids for the creation of web sites and educational activities. The DAWN mission will be the first dedicated mission to the main asteroid belt.

Hydrothermal Fluids And Alteration On Mars: Sources Of Life-Related And Toxic Elements In The Near Surface Environment
Funded by the Mars Fundamental Research Program, NASA. P.I. Horton Newsom
Total Award Amount: $177,719; Award Period: March 1, 2004 – February 28, 2007

This project directed by Dr. Horton Newsom will determine the composition of materials altered by aqueous fluids under simulated Mars conditions at temperatures from near freezing to 35°C. The experimental samples will include simulated Mars minerals and glasses provided by Jeff Moore and Mark Bullock altered under simulated Mars conditions in the Ames Research Center's Mars Brines experimental facility. The samples will be analyzed using a powerful suite of microanalytical techniques to obtain three-dimensional quantitative information about the distribution and composition of alteration phases and leached minerals. These techniques include scanning electron microscope and electron microprobe quantitative analysis and quantitative spatial data analysis using x-ray mapping, and secondary ion mass spectrometry for quantitative analysis of trace elements, ion imaging, and depth profiling. The results will be used to improve our understanding of the geochemistry of life-related and toxic elements in the near surface environment of Mars.

Impact Crater Hydrothermal Systems
Funded by the Planetary Geology and Geophysics Program, NASA. P.I. Horton Newsom
Total Award Amount: $30,000; Award Period: January 1, 2005 – December 31, 2006

This project, directed by Dr. Horton Newsom, involves the study of processes involving water and impact craters on Mars, using remote sensing data and terrestrial analogues. Hydrothermal systems are good locations to search for evidence of biotic or prebiotic chemistry, and may also be connected with the formation of the Martian soil. Studies of terrestrial analogue craters can provide important insight and constraints into processes involving impact craters on Mars. We are studying the only well-documented crater in basaltic terrain, the Lonar Crater, India. The investigation of the Lonar Crater impact melts is providing information on the formation of a crater in a basaltic terrain analogous to Mars. The mineralogy and chemical transport processes at the crater are studied using Scanning Electron Microscopy, Electron Microprobe, and stable isotope studies. The data from the Lonar Crater will be compared with data obtained by current Mars spacecraft such as the Mars Exploration Rovers. Studies of larger impact craters include the Chicxulub crater in Mexico, and the Bosumtwi crater in Ghana.

Stars on Earth, Space Science Research Experience and College Preparation for Under-represented Secondary Students
Funded by NASA-EOSS, OEOP, Minority University Education and Research Partnership Initiative in Space Science. P.I. Horton Newsom
Total Award Amount: $149,368; Award Period; January 1, 2004 – December 31, 2006

This program is a collaboration between the Southwestern Indian Polytechnic Institute (SIPI) and UNM. It provides underrepresented high school students and college students with research experience in space science and technology-based academic preparation in math, science, engineering and technology

(MSET). SIPI college students also benefit from the establishment of new courses in Earth and Planetary Science and astronomy, and the opportunity to be involved in related research projects at the University of New Mexico. The research activities include a meteorite identification program, and research on martian impact craters and analog materials.

Microbeam Studies of Planetary Materials
Funded by Cosmochemistry Program, NASA. P.I. James Papike; Co-Is Charles Shearer, James Karner, Paul Burger
Total Award Amount: $1,080,000; Award Period: April 1, 2006 – April 1, 2010

Our new 4-year Cosmochemistry proposal concerns comparative planetary mineralogy and vanadium valence oxybarometry (VVO) studies. Here we emphasize the potential of individual mineral phases as recorders of igneous processes for four planetary bodies, Earth, Moon, Mars, and 4 Vesta. VVO studies utilize the multi-valence states of vanadium V2+, V3+, V4+, and V5+, and can record fO2 conditions from the most reduced solar nebula conditions (~IW-7) to the oxidized Earth and Mars (~IV+6). Task II concerns the Moon. We use XANES measurements of Cr and Ti valence statues in natural pyroclastic glass beads and synthetic glasses produced over a range of fO2. The results will be compared to our previous results for V in the same materials. The combined results will give us better estimates of lunar mantle fO2 and provide insight into possible reduction reactions during lunar pyroclastic eruptions.

Cosmic-Ray-Produced Nuclide Systematics on Earth
Funded by the National Science Foundation Earth Sciences Directorate. P.I. Robert Reedy
Total Award Amount: $90,001; April 1, 2005 – March 31, 2010

The Cosmic-Ray prOduced NUclide Systematics on Earth (CRONUS-Earth) project is a large, 5-year, international collaboration to develop good production-rate systematics for cosmogenic nuclides made in situ in the Earth's surface. Some cosmic-ray particles penetrate the top few meters of the Earth's surface and produce nuclides. These cosmogenic nuclides are ideal for measuring the lengths of time that a sample has been on or very near the Earth's surface. Ages measured typically are in the range of a few thousand years to a few million years. Surface exposure dating is used for recently-formed igneous rocks and for material recently exposed by processes such as earthquakes, glaciers, river erosion, and landslides. Computer codes and nuclear data are used to numerically simulate the interactions of cosmic-ray particles with the Earth's surface and the production of nuclides. Work is now being done on updating cross sections for the production of these nuclides. Comparisons with measurements using artificial and natural terrestrial samples will be used to improve these calculations. Variations in the calculated production rates as a function of location, sample geometry, and elevation will be calculated.

Extraterrestrial Studies Using Nuclear Interactions
Funded by NASA Cosmochemistry Program. P.I. Robert Reedy.
Total Award Amount: $189,000; Award Period April 1, 2006 – March 31, 2009

Nuclides made by energetic cosmic radiations are used to study the recent histories of meteorites and lunar samples and of these energetic particles. Two types of energetic particles in space – the galactic cosmic rays and solar energetic particles – have nuclei (mainly protons) with enough energy to induce nuclear reactions. Product nuclei used for such studies include the rare stable isotope Ne-21 and 1.4 Myr radioactive Be-10. The emphasis of the work being done at UNM is to develop and test good models for these nuclear interactions, especially the rates for making cosmogenic nuclides. The results of these models are then used to interpret measured concentrations of cosmogenic nuclides, such as when meteorites were ejected by impacts. Nuclides made in the top centimeter of lunar samples are used to study the average fluxes of energetic particles from the Sun over the last few million years.

Mapping Martian Elemental Compositions Using Gamma Rays and Neutrons
Funded by the Mars Odyssey Program, NASA, through the Mars Gamma-Ray team office at the University of Arizona in Tucson. P.I. Robert Reedy
Total Award: $267,000; Award Period: October 1, 2004 – September 30, 2008

Gamma rays detected in orbit by the Mars Odyssey Gamma Ray Spectrometer are studied to determine the abundances of elements in the top ~20 cm of the martian surface. The gamma rays are made by the decay of naturally-occurring radioelements (K, U, and Th) or by cosmic-ray interactions (mainly neutron-capture or inelastic-scattering reactions). Work at UNM includes determining backgrounds and accurately predicting the fluxes of the gamma rays expected from Mars. The abundances of H, Si, Cl, K, Fe, Th, Ca, Al, S, and U have been mapped in the martian surface between about 45 degrees north and south latitude and are being mapped for the rest of Mars. Enhancements of atmospheric argon over the poles are observed during the initial formation of the seasonal CO_2 polar caps. Studies of martian region with heavy dust mantle and less dust have been used to study elemental variations on Mars.

Behavior of Volatile Elements During Shock of Basalts
Funded by the Mars Fundamental Research Program, NASA. P.I. Charles Shearer
Total Award Amount: $186,000; Award Period: February 2002 – February 2007

The mineralogy of martian basalts and the composition of associated melt inclusions have been interpreted as indicating that martian basaltic magmas had very little water (less than 0.1 % H_2O). On the other hand, the behavior of geochemical tracers (Li and B) has been interpreted as indicating that this low water content was the product of extensive magmatic outgassing and that martian basalts initially contained significant water. This interpretation is based on the observation that Li and B decrease in the rims of pyroxenes in basaltic shergottites resulting from the partitioning of these incompatible elements into a fluid phase during degassing. To better understand the behavior of Li and B in basalts, we are investigating the redistribution of volatile elements in naturally and experimentally shocked and shocked-heated basalts and in anhydrous basalts from the Moon.

Identification of Microbial Signatures in Biogenic Cave Ferromanganese Deposits
Funded by the National Science Foundation. Co-I Michael N. Spilde, with P.I: Diana E. Northup, Biology Department
Total Award Amount: $297,000; Award Period: August 15, 2004 – July 31, 2007 (Extended to 2008)

The role of manganese- and iron-oxidizing bacteria in the cycling of iron and manganese is a critical question in geomicrobiology, especially in habitats such as cave ferromanganese deposits and desert/rock varnish. While it is well recognized that these elements are involved in biogeochemical cycling, many aspects of these processes are not well understood; much remains to be done to establish that these deposits are truly biogenic. Careful work (with a multidisciplinary approach including molecular biology, high-resolution mineralogy and geochemistry, and innovative environmental sampling) is necessary to establish the active role of microbes in the mineral accumulations of iron and manganese oxides. A multidisciplinary team of micro- and molecular biologists, geochemists, and mineralogists is investigating the microbial and abiotic processes that produce these deposits to characterize the microbial species involved and to understand the process of mineral transformation in these deposits in caves and desert varnish.

2. PUBLICATIONS

PUBLICATIONS

Peer-reviewed Publications
(Institute staff/students in bold)

Beaty DW, Buxbaum KL, Meyer MA, Barlow NG, Boynton WV, Clark BC, Deming JW, Doran PT, Edgett KS, Hancock SL, Head JW, Hecht MH, Hipkin V, Kieft TL, Mancinelli RL, McDonald EV, McKay CP, Mellon MT, **Newsom H**, Ori GG, Paige DA, Schuerger AC, Sogin ML, Spry JA, Steele A, Tanaka KL, Voytek MA (2006) Findings of the Special Regions Science Analysis Group, Astrobiology 6:677-732

Boston PJ, Hose LD, Northup DE, **Spilde MN** (2006) The microbial communities of sulfur caves: A newly appreciated geologically driven system on Earth and potential model for Mars. In (Harmon RS, Wicks C, eds) Perspectives on Karst Geomorphology, Hydrology, and Geochemistry—A Tribute Volume to Derek C Ford and William B White. Geological Society of America Special Paper 404:331–344

Chapman CR, **Cohen BA**, Grinspoon DH (2007) What are the real constraints on the existence and magnitude of the late heavy bombardment? Icarus 189:233-245

Committee on the Scientific Context for Exploration of the Moon, National Research Council (including **Cohen BA**) (2007) The Scientific Context for Exploration of the Moon: Final Report. Washington, DC: The National Academies Press, 120 pp

Evans LG, **Reedy RC**, Starr RD, Kerry KE, and Boynton WV (2007) Analysis of gamma ray spectra measured by Mars Odyssey. Journal of Geophysical Research 112:E03S04, doi:10.1029/2005JE002657

James OB, **Cohen BA**, Taylor LA, Nazarov MA (2007) Comment on: "New" lunar meteorites: Impact melt and regolith breccias and large-scale heterogeneities of the upper lunar crust, by Warren PH, Ulff-Møller F, Kallemeyn GW. Meteoritics and Planetary Science 42:1029-1032

Karner JM, Papike JJ, Shearer CK (2006) Comparative planetary mineralogy: Pyroxene major and minor element chemistry and partitioning of vanadium between pyroxene and melt in planetary basalts. American Mineralogist (Papike issue) 91:1574-1582

Karner JM, Sutton SR, **Papike JJ, Shearer CK**, Jones JH, Newville M (2006) Application of a new Vanadium Valence Oxybarometer to Basaltic Glasses from Earth, Moon, and Mars. American Mineralogist 91:270-277

Karner JM, Papike JJ, Shearer CK, McKay G, Le L, **Burger P** (2007) Valence state partitioning of Cr and V between pyroxene-melt: Estimates of oxygen fugacity for martian basalt QUE 94201. American Mineralogist 92:1238-1241

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3. PROFESSIONAL TRAVEL

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PROFESSIONAL TRAVEL

Carl Agee, Director and Professor

- Workshop on Early Planetary Differentiation, Sonoma, CA. December 8-10, 2006.
- American Geophysical Union Annual Meeting, San Francisco, CA. December 11-13, 2006.
- Lunar and Planetary Science Meeting, League City, TX. March 12-16, 2007.
- Workshop on the Science Associated with the Lunar Architecture, Tempe AZ. February 25-March 2, 2007.

Paul V. Burger, Research Specialist

- Martian Sulfates as Recorders of Atmospheric-Fluid-Rock Interactions Conference, League City, TX. October 22-24, 2006.
- Lunar and Planetary Science XXXVIII Conference, League City, TX. March 12-16, 2007.

Barbara Cohen, Research Assistant Professor

- Speaker, Mars Exploration Rovers Team Meeting, Ames, CA. July 25-27, 2006.
- NRC Committee on the Scientific Context for the Exploration of the Moon, Irvine, CA. August 2-4, 2006.
- Speaker, Meteoritical Society, Zurich, Switzerland. August 7-11, 2006.
- Field trip to Ries Crater, Germany, with MER team members. August 14-15, 2006.
- Speaker, International Astronomical Union, Prague, Czech Republic. August 21-25, 2006.
- Member of the Antarctic Search for Meteorites field team. November 25, 2006-January 25, 2007.
- Speaker, Mars Exploration Rovers Team Meeting, Pasadena, CA. February 12-13, 2007.
- NRC Committee on the Scientific Context for the Exploration of the Moon, Boulder CO. February 14-16, 2007.
- Workshop on the Science Associated with the Lunar Architecture, Tempe AZ. February 25-March 2, 2007.
- Lunar and Planetary Science Conference, Houston TX. March 12-16, 2007.
- Invited speaker, Stony Brook University, Stony Brook, NY. March 25-26, 2007.
- Invited speaker, Lunar and Planetary Institute, Houston, TX. May 11, 2007.
- Invited speaker, Applied Physics Laboratory, Johns Hopkins University, Laurel, MD. June 18, 2007.

David Draper, Senior Research Scientist III

- XXXVIII Lunar and Planetary Science Conference Program Committee, Houston, TX. January 2007.
- XXXVIII Lunar and Planetary Science Conference, Houston, TX. March 2007.

James Karner, Senior Research Scientist I

- Traveled to Argonne National Laboratory in Chicago, IL, to do XANES analyses in an ongoing collaborative research project to determine the valence state of V in planetary basalts. November 10-12, 2006.
- 38th Lunar and Planetary Science Conference, Houston, TX. March 12-16, 2007.
- Seventh International Conference on Mars, Pasadena, CA. July 9-12, 2007.

V. Rama Murthy, Research Professor

- Workshop on Early Planetary Differentiation, Sonoma, CA. December 8-10, 2006.

- American Geophysical Union Annual Meeting, San Francisco, CA. December 11-13, 2006.

Horton Newsom, Senior Research Scientist III

- Mars Odyssey Gamma-Ray Spectrometer Team, Santa Fe, NM; presented one talk. Aug. 1-2, 2006.
- Field trip to Meteor Crater Arizona. Sept. 15-16, 2006.
- Mars Sulfate Meeting, Houston TX. Oct. 22-24, 2006.
- Brown Vernadsky Mars symposium, Houston, TX, presented one talk. March 10-11, 2007.
- XXXVIII Lunar and Planetary Science Conference, Houston, TX; presented one talk. March 12-16, 2007.
- J-Mars training Session, Arizona State Univ. Tempe, AZ. March 17, 2007.
- Mars Data Analysis Review Panel, Washington DC. April 22-27, 2007.
- Mars Odyssey Gamma-Ray Spectrometer Team, Tucson, AZ, presented one talk. May 16-17, 2007.
- DAWN science team meeting, Cocoa Beach, FL, presented one talk. June 28-30, 2007.
- Field work Santa Fe impact structure, Santa Fe, NM. June 4, 2006.

James Papike, Research Professor

- LPI Workshop, "Martian Sulfates as Records of Atmospheric-Fluid-Rock Interactions," Houston, TX. October 22-24, 2006.
- 38th Lunar and Planetary Science Conference, Houston, TX. March 12-16, 2007.
- Seventh International Conference on Mars, Pasadena, CA. July 9-12, 2007.

Robert Reedy, Research Professor

- Mars Odyssey Gamma-Ray Spectrometer Science Team Meeting, Santa Fe, NM. August 1-3, 2006.
- The 69th Annual Meeting of the Meteoritical Society, Zurich, Switzerland. August 6-11, 2006.
- Work on analysis of the Mars Odyssey gamma-ray data, NASA's Goddard Space Flight Center, Greenbelt, MD. October 10-13, 2006.
- Cosmic-Ray Produced Nuclide Systematics on Earth (CRONUS-Earth) Project Third Annual Meeting, Philadelphia, PA. October 20-21, 2006.
- NASA Proposal Review Panel, Washington, DC. November 7-9, 2006.
- Mars Odyssey Science meeting, Kohala Coast, Hawaii. November 14-16, 2006.
- First SELENE International Science Working Team Meeting, Japan Aerospace Exploration Agency, Tsukuba, Japan. January 9-11, 2007.
- Work on cosmogenic nuclides in lunar samples, Space Science Lab., UC Berkeley, Berkeley, CA. January 30–February 1, 2007.
- 38th Lunar and Planetary Science Conference, League City, TX. March 12-16, 2007.
- Work on cosmogenic nuclides in lunar samples, UC San Diego, San Diego, CA. May 2-4, 2007.
- Mars Odyssey Gamma-Ray Spectrometer Science Team Meeting, University of Arizona, Tucson, AZ. May 15-18, 2007.
- Work on analysis of the Mars Odyssey gamma-ray data, NASA's Goddard Space Flight Center, Greenbelt, MD. June 4-8, 2007.

Charles Shearer, Research Scientist III

- Workshop on Early Planetary Differentiation, Sonoma, CA. December 8-10, 2006.
- Lunar and Planetary Science Conference, League City, TX. March 12-16, 2007.

Michael Spilde, Research Scientist

- Goldschmidt Conference, Melbourne, Australia. Aug 27-Sept 1, 2006.

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- New Mexico Geological Society Field Conference, Carlsbad, NM. Sept 27-30, 2006.
- SW regional meeting of the National Speleological Society, Socorro, NM. Dec 2, 2006.
- Carlsbad, NM to meet with visiting Ukrainian speleologist, March 7-8, 2007.
- NASA 2007 Spaceward Bound: Mojave Desert Expedition, March 22-31, 2007.
- New Mexico Geological Society meeting, Socorro, NM. April 13, 2007.
- Field sampling in Tabasco and Chiapas, Mexico with visiting graduate students from Canada and Spain. April 17-24, 2007.
- Field sampling in Carlsbad Caverns Nat. Park, NM with visiting graduate students from Canada and Spain. April 28-29, 2007.
- San Antonio, TX for workshop on Future Directions of Karst Research. May 3-5, 2007.
- Field sampling in Alaskan caves, June 12-19, 2007.
- Field sampling with NM Tech REU students in Guadalupe Mountains, NM. June 21-23, 2007.

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4. FACILITIES

FACILITIES

Curation and Meteorite Museum

The meteorite collection is an extremely valuable asset for research conducted in the IOM. The curator is Dr. Horton Newsom and Dr. Barbara Cohen is the assistant curator. Researchers around the world also make extensive use of our collection, and we have many active research loans. We also maintain several loans to permanent educational exhibitions around the country.

The collection now includes samples of approximately 600 different meteorites. We continue to expand the collection and acquire new meteorites, which is achieved through trading, making purchases and receiving donations of material. Discoveries of hundreds of new meteorites in North Africa in recent years have made many rare types of meteorites available to our collection through meteorite dealers. Our meteorite catalog is now available on the internet, downloadable as a pdf file. The searchable catalog is interfaced with the current collection database, so it is continuously updated. Activities during the last year include acquisition of a fire-proof safe for the most valuable samples.

The Meteorite Museum Virtual Exhibit (Web-based), created by Rhian Jones and Barbara Cohen, went online April 2007.

Electron Microprobe and Scanning Electron Microscope Laboratories

Managed by Michael Spilde, Research Scientist

The Electron Microprobe Laboratory houses a JEOL 8200 microprobe, equipped with 5 wavelength dispersive (WD) spectrometers and an ultrathin-window energy dispersive spectrometer. The WD spectrometers are fitted with multiple analyzing crystals to provide quantitative analysis of all elements from Be to U. The system is completely dry pumped to reduce contamination during long analyses, making it an ideal system for both major and trace element investigation and light element analysis.

The Scanning Electron Microscope Laboratory contains a JEOL 5800LVscanning electron microscope (SEM), equipped with secondary and backscattered electron and cathodoluminscence imaging detectors, a Link Analytical ultrathin-window Energy Dispersive Spectrometer (EDS) and an Oxford Isis 300 X-ray analytical system. The SEM is a "dual mode" microscope, meaning that it can operate at both high vacuum (the conventional mode of operation) and in a low vacuum, around 1 Torr. The low vacuum mode allows imaging and analysis of uncoated and "wet" samples, such biological materials, sandstone and clay.

Both the SEM and microprobe labs are "service labs" that offer analytical services to Departmental and University researchers and students and to the general public. Lab personnel can provide analytical service for academic and non-academic clients or may train and assist users on the two instruments. The microprobe currently has 21 trained operators and the SEM has over 25, with several new users trained on both instruments this year.

Analyses and other work were performed by M. Spilde for the following UNM departments:

- Anthropology
- Biology
- Chemistry & Nuclear Engineering
- Center for Micro-engineered Materials
- Civil Engineering
- College of Pharmacy
- Earth & Planetary Science
- Maxwell Museum of Anthropology
- Mechanical Engineering

- Physics and Astronomy
- REU Program (Research Experiences for Undergrads) for both UNM & NM Tech
- Freshman Learning Community at UNM

Analyses were conducted for or users from the following external academic and government clients used the instruments:

- Cornell College, Mt. Vernon, IA (SEM)
- New Mexico Bureau of Geology and Mineral Resources, Socorro (SEM)
- New Mexico Museum of Natural History and Science, Albuquerque (SEM)
- New Mexico Tech, Socorro, NM (SEM)
- Office of Medical Investigator, Albuquerque (SEM)
- Sandia National Laboratories (SEM & microprobe)
- St. Croix Watershed Research Station, Manne on St. Croix, MN (SEM)
- Tongass National Forest, Alaska (SEM)
- University of Western Ontario, London, Ontario, Canada (microprobe)
- USAF Phillips Lab, Albuquerque (SEM)
- Western Illinois University, Macomb, IL (SEM)

In addition to providing analytical services to the community, the labs are also involved in educational classes and public outreach programs. Several high school students from Sandia Preparatory School in Albuquerque and REU (Research Experiences for Undergraduates) students from NM Tech and UNM worked on summer research projects that utilized the SEM for aspects of their work, and a visiting graduate student from Spain used the SEM for some of her research. In addition, the SEM lab hosted class groups from several local schools for class demonstrations.

As part of our outreach to the community, analyses were conducted the following commercial entities:

- Alion Science & Technology, Chicago, IL (SEM)
- Assaigai Labs, Albuquerque, NM (SEM)
- Bio-Tec Environmental, Cedar Crest, NM (SEM)
- Cabot Superior Micropowders, Albuquerque, NM (SEM)
- Daniel B. Stevens & Assoc., Albuquerque (SEM)
- Laird Technologies, Inc., Cleveland, OH (SEM and microprobe)
- Lockheed-Martin Technical Services, Seabrook, MD (SEM and microprobe)
- Zia Engineering and Environmental, Albuquerque, NM (SEM)

Experimental Planetary Interiors Laboratory
Managed by David Draper, Research Scientist III

The Experimental Planetary Interiors Laboratory features solid-media, high-pressure equipment (multi-anvil and piston-cylinder presses) and a 1-bar Deltech high-temperature vertical muffle tube furnace that has gas-mixing capabilities. The bulk of the experimental work presently under way in our group, funded by NASA and NSF, involves investigations of the conditions of formation of magmas that might be parents to the martian meteorites; studies of lunar and martian magma ocean formation and evolution; investigations of the origins of lunar ultramafic glasses; studies of the physical properties of silicate liquids; and exploration of the controls on trace element partitioning between garnet and silicate melt. Our work has led to several important results. We have constrained the composition of the martian interior to be less Fe-rich than previously thought, and have shown how crystallization of a martian magma ocean could give rise to the source regions for martian basalts. We are determining the important controls on garnet-melt partitioning and fashioning new predictive models that can be applied to a broad range of conditions throughout the solar system. We are also exploring the effect of water content on the compressibility and density of ultramafic silicate melt at high pressure. Researchers in the lab include manager Draper, IOM Director Carl Agee, Research Professor V. Rama Murthy, and graduate students Karen Hutchins and Laura Burkemper.

Secondary Ion Mass Spectrometry Laboratory
Managed by Charles Shearer, Research Scientist III

The SIMS lab provides in-situ, trace element analytical services to members of the Institute of Meteoritics, Department of Earth and Planetary Sciences, and external clients as well.

In 2006-2007, clients included:

- Los Alamos National Lab, Los Alamos, NM
- Edward Grew, University of Maine, ME
- Amy Maloy, Rice University, TX
- Ute Mann, Universität Bayreuth, Germany

5. TEACHING

TEACHING

Carl Agee, Director and Professor

Courses

Fall 2006: EPS 365 Exploring the Solar System

Spring 2007: EPS 465 Mars Evolution

Graduate Student Committees

Jennifer Edmunson
Karen Hutchins
Nina Lanza
Nathan Mills
Melissa Nelson

Barbara Cohen, Research Assistant Professor

Fall 2006: Led 10 IOM students and faculty on a field trip to Meteor Crater, AZ, September 15-16
EPS 513: Guest Lecture about the Martian surface, November
Led 8 UNM and SIPI students and faculty on meteorite-recovery activity in TX, November 3-4

David Draper, Senior Research Scientist III

Graduate Student Committees

Caitlin Callahan (Earth and Planetary Sciences)
Karen Hutchins

V. Rama Murthy, Research Professor

Graduate Student Committees

Nathan Mills

Horton Newsom, Senior Research Scientist III

Graduate Student Committees

Erin Kay (New Mexico Tech)
Nina Lanza
Melissa Nelson

Undergraduate Student Advisement

Brian McConnell – 2nd place winner of the UNM Undergraduate Research Symposium
Michael Peterson
Eric Tegtmeier

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Michael Spilde, Research Scientist

Spring 2007: EPS 492 Problems Class (Scanning Electron Microscopy)

Graduate Student Committees

Kristen Mullen

6. GRADUATE STUDENTS

GRADUATE STUDENTS

Jennifer Edmunson (Ph.D.)

Jennifer Edmunson concluded work on her Ph.D. with the Institute of Meteoritics. Her first manuscript has been published in Meteoritics and Planetary Science, and her second has been submitted to Geochimica et Cosmochimica Acta. Her dissertation research involved radioactive isotope dating of two magnesium suite rocks brought back from the Moon during the Apollo 17 mission. A NASA Graduate Student Researchers Program fellowship provided a significant portion of the funding for Jennifer's research. Jennifer has completed the isotopic analyses for both samples. She completed the necessary chemical separation procedures and mass spectrometry in collaboration with both the UNM and the NASA Johnson Space Center isotope labs. The isotopic and trace element data obtained further constrained the age of lunar magma ocean crystallization and subsequent magmatism on the Moon.

Jennifer attended the 38th Lunar and Planetary Science Conference in Houston in March, where she gave an oral presentation entitled "Sm-Nd isotopic systematics of troctolite 76335." She is currently teaching Natural Science 261L for UNM this semester.

Rachel Dwarzski (Ph.D.)

Rachel began her Ph.D. at UNM in the Fall of 2005. She worked on a variety of projects related to petrogenesis in the interiors of the terrestrial planets. She investigated garnet-melt partitioning behavior over a range of compositions, temperatures, and pressures. Additionally, under her advisor Dr. Draper, she explored the effect of volatiles on a Martian composition. She also assisted visiting scientists working in the high pressure laboratory during their stays. Rachel is now working for an environmental organization in Seattle, WA.

Karen Hutchins (Ph.D.)

B.S., California State College, Sacramento, 2004; M.S., San Diego State College, 2006. Karen is currently a graduate student with the IOM and enrolled in the Ph.D. program with the EPS department at UNM. For her thesis work, Karen will be conducting high pressure and temperature experiments to simulate crystallization of the martian mantle from a magma ocean, as well as constrain the source regions of the martian meteorites.

Nina Lanza (Ph.D.)

Nina received a B.A. in Astronomy from Smith College in 2001 and an M.A. in Earth and Environmental Science from Wesleyan University in 2006. She entered the PhD program at the IOM-EPS at UNM in Fall 2006. Nina is currently working on calibrating the ChemCam LIBS (Laser-Induced Breakdown Spectroscopy) instrument for evaporite minerals and frozen phases such as brines. The ChemCam is part of the instrument suite on board the Mars Science Laboratory rover, scheduled for launch in 2009. In addition, Nina is also continuing her master's work on martian hillside gullies. She will investigate the genesis of these features using terrestrial analog measurements on high-resolution images of the martian surface from the new instrument HiRISE onboard the Mars Reconnaissance Orbiter.

Emily Martin (Ph.D.)

B.A., Pitzer College, 2000; M.S. Tulane University 2006. Emily was enrolled in Ph.D. program at the IOM-EPS at UNM. Her thesis will be an experimental based exploration of planetary differentiation. Through high pressure experiments on various mantle compositions Emily will add to the growing body of knowledge regarding the chemical and physical characteristics of magma oceans on terrestrial planets.

Nathan Mills (M.S.)

Nathan Mills, B.S. Cornell University, enrolled in the M.S. program in Spring 2005. Nathan's thesis, which he defended in December 2006, assessed planetary conditions during core formation through analysis of the high-pressure metal-silicate partitioning coefficients of certain volatile trace elements. After completing his thesis, Lt. Mills returned to submarine duty with the United States Navy.

Melissa Nelson (M.S.)

Melissa Nelson, B.S. University of New Mexico, entered the M.S. program in Spring 2005. Melissa's research involves studying the Chicxulub impact crater drill core materials and martian weathering processes. Melissa completed her thesis, "Major element signatures and mineralogy of the Chicxulub crater Yaxcopoil-1 impactites provide evidence for dual melt phases and depositional sequence" in June 2007.

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7. DEPARTMENTAL AND UNIVERSITY ACTIVITIES

DEPARTMENTAL AND UNIVERSITY ACTIVITIES

Carl Agee, Professor and Director

- Graduate Student Committee (EPS).
- Facilities Committee (EPS).
- Participated in UNM's Federal Priorities selection process.

Barbara Cohen, Research Assistant Professor

- IOM Seminar, "Martian Impact Products: A Rover's-Eye View." September 6, 2006.
- IOM seminar, "The Antarctic Search for Meteorites 2006-07 field season report." April 10, 2007.
- UNM Physics & Astronomy Department Astrophysics colloquium, "Lunar science in a new age of exploration." April 16, 2007.
- EPS undergraduate Green Chile Seminar, "Catch a falling star in blue ice: The Antarctic search for Meteorites." April 23, 2007.

Horton Newsom, Senior Research Scientist III

- Member, diversity Programs/Faculty Advisory Council for the college of engineering, UNM.
- Educational outreach coordinator and director of TOPPS (Training and Outreach Programs in Planetary Science) for the Institute of Meteoritics.

Charles Shearer, Senior Research Scientist III

- Member of Earth & Planetary Sciences Facilities Committee.

Michael Spilde, Research Scientist

- Manager of the Electron Microprobe and Scanning Electron Microscope Labs.
- Conducted SEM analyses for Tongass National Forest (Alaska), Cornell College (Iowa), NM Tech, NM Bureau of Geology, USAF Phillips Lab, and Western Illinois University.
- Assisted the Freshman Learning Community and REU students with projects on the SEM.
- Conducted microprobe analyses for NM Tech and UNM faculty members and students.
- Conducted SEM analyses for several local and out-of-state businesses.

8. PROFESSIONAL ACTIVITIES

PROFESSIONAL ACTIVITIES

Carl Agee, Professor and Director

- Executive Committee, Mineral and Rock Physics Focus Group, AGU.
- LANSCE Materials Program Advisory Committee, LANL.
- COMPRES Elector for the University of New Mexico.

Paul V. Burger, Research Specialist

- Presented a poster titled "Interpreting Martian Surface Processes Through the Trace Element Chemistry of Jarosite," at the Workshop on Martian sulfates as recorders of atmospheric-fluid-rock interactions, in Houston, TX. October 22-24, 2006.
- Presented a poster titled "Trace Element Crystal Chemistry of Jarosite: An Ion Microprobe Pilot Study" at the 38th Lunar and Planetary Science Conference in Houston, TX. March 12-16, 2007.

Barbara Cohen, Research Assistant Professor

- Curation, Analysis, and Planning Team (CAPTEM).
- CAPTEM Lunar Subcommittee.
- NRC Committee on the Scientific Context for the Exploration of the Moon.
- NASA Lunar Science Sortie Opportunities (LSSO) Review Panel. March 2007.
- Guided Jay Melosh, Elisabetta Pierazzo, and UA grad students to the Santa Fe impact structure and Raton KT boundary sites. September, 2006.

James Karner, Senior Research Scientist I

- Poster presentation, "Terrestrial analogs of martian sulfates: major and minor element systematics of selected jarosite samples," Workshop on Martian sulfates as recorders of atmospheric-fluid-rock interactions, Houston, TX. October 2006.
- Oral presentation, "Valence State Partitioning of Cr and V Between Pyroxene–Melt: Estimates of Oxygen Fugacity for Martian Basalt QUE 94201" 38th Lunar and Planetary Science Conference in Houston, TX. March 2007.
- Poster presentation, "The martian interior: oxygen fugacity of the martian mantle based on V and Cr oxybarometry," Seventh International Conference on Mars, Pasadena, CA. July 2007.

David Draper, Senior Research Scientist III

- Listed in Marquis "Who's Who in America," 61st anniversary edition, 2006.

Horton Newsom, Senior Research Scientist III

- Mars Data Analysis Review Panel, Washington DC. April 22-27, 2007.

James Papike, Research Professor

- Joint Chair NASA "Oxygen in the Solar System Initiative," 2004-2008.
- Member of Mars Sample Return round table, 2007-.

Robert Reedy, Research Professor

- Member, Mars Odyssey Gamma-Ray Spectrometer Flight Investigation Team.
- Co-Investigator, Kaguya (SELENE) Gamma-Ray Spectrometer experiment.

- NASA Proposal Review Panel, Autumn 2006.

Charles Shearer, Senior Research Scientist III

- Member, Planetary Science Subcommittee of the NASA Advisory Committee
- Adviser to Director of LPI.
- Member, Red Team Evaluation for LPI progress report.
- Member, MEPAG action group for the analysis of Lunar Exploration Strategy Goals.
- Chair, CAPTEM (Curation and Planning Team for Extraterrestrial Materials).
- Chair, Moon-Mars Science Linkage Science Analysis Group (analysis group for MEPAG).
- Member, Mars Sample Return Analysis Group.
- Chair, Mobility and Accessibility Subgroup for Mars Sample Return Analysis Group.
- Member, Organization Committee for LEAG (Lunar Analysis Group).
- Team Leader, New Views of the Moon.
- Editor, New Views of the Moon.
- Guest Editor, American Mineralogist, J.J. Papike Special Issue.
- Program Committee, Martian Sulfates Workshop.
- Convener, Early Planetary Differentiation Workshop.
- Invited Speaker, NRC committee for the analysis of the role lunar science in the exploration of the Moon.
- Invited Speaker, Exploration Strategy Workshop.

Michael Spilde, Research Scientist

- Presented talk entitled "Diseased minerals: Microbial degradation of copper sulfide museum specimens," 16th Goldschmidt Conference, Melbourne, Australia. August 27-September 1, 2006.
- Led a day-long excursion for the New Mexico Geological Society Field Conference, Carlsbad, NM. September 27-30, 2006.
- Invited participant in "Future Directions of Karst Research Workshop," San Antonio, TX May 3-5, 2007.

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9. EDUCATIONAL OUTREACH AND PUBLIC SERVICE

EDUCATIONAL OUTREACH AND PUBLIC SERVICE

Meteorite Museum

The Meteorite Museum is the most important focus of the Institute of Meteoritics' public service and outreach efforts. Several thousand people of all ages visit the Museum each year and many school parties visit the Museum to enhance scientific projects in Earth Sciences and Solar Systems studies. IOM personnel commonly volunteer to give guided tours of the Museum and laboratories to groups of visiting students, from preschool age to senior citizens.

Paul V. Burger, Research Specialist

- SIMS lab tours were conducted for visiting students, professors, and undergraduate and graduate classes in the University of New Mexico.

Barbara Cohen, Research Assistant Professor

- SIPI project for magnetic susceptibility.
- SIPI Science Day, MER. October 13, 2006.
- Keynote speaker for central New Mexico Expanding Your Horizons conference. March 10, 2007.
- Dozens of walk-in and mail-in suspect meteorite identifications.

James Karner, Senior Research Scientist I

- Continued to help identify suspect meteorite samples as a service to the general public.

Horton Newsom, Senior Research Scientist III

- Educational Outreach Coordinator, Institute of Meteoritics.
- Developed educational outreach programs for the Institute of Meteoritics, funded by NASA.
- Met with numerous members of the public who brought in suspect meteorites.

Michael Spilde, Research Scientist

- Presented talk at SW Regional Technical Meeting of the National Speleological Society, Socorro, NM. December 2, 2006.
- Invited to participate in NASA 2007 Spaceward Bound: Mojave Desert Expedition; worked with over 80 K12 teachers and other researchers from across the US to provide a "field research experience for teachers." March 25-31, 2007.
- Provided rock varnish samples, electron micrographs, and information for a New Mexico Department of Cultural Affairs display on indigenous peoples' use of natural materials. The display will travel throughout the state of New Mexico for two years. April 2007.
- Served as a Grand Awards Judge for the Intel International Science and Engineering Fair 2007, held in Albuquerque. May 14 & 15, 2007.
- Helped NM Tech REU students sample caves in Guadalupe Mountains, NM. June 21-23, 2007.

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ANNUAL REPORT

Department of Economics
University of New Mexico

July 1, 2006 – June 30, 2007

Philip T Ganderton
Chair

045

THE ANNUAL REPORT OF THE DEPARTMENT OF ECONOMICS

July 1, 2006 – June 30, 2007

Philip T. Ganderton, Chair

1. Significant Developments During the 2006-07 Academic Year

Associate Professors Janie Chermak and Richard Santos were both successfully promoted to the rank of Full Professor.

Long serving and much respected Professor Stuart Burness retired after 28 years in the Economics Department at UNM. His contributions to research, teaching and service are much appreciated.

Academic Advisor Sarah Herbert left our employment to begin her graduate studies in Social Work. We wish her all the best. A new Academic Advisor, Catherine Hart, will join us at the beginning of the Fall 2007 semester. We promoted Maria Daw after she completed her career ladder from Administrative Assistant I to Administrative Assistant II.

The Gerald Boyle endowment supporting graduate students in Public Finance continued to grow and the corpus now stands close to $75,000 including commitments. This represents a significant increase in support for our graduate students.

2. Significant Plans and Recommendations for the Near Future

Assistant Professors Kristine Grimsrud and Matias Fontenla will be completing the Code 3 Mid-Probationary review during the 2007-2008 academic year.

Economics Faculty will continue to support graduate students through successful research grant application and awards. 11 graduate students will be supported by funded research in Fall 2007.

The department continues with the Success Initiative project by expanding to include a Success 106 class taught by Dr. Kate Krause. Dr. Melissa Binder continues to teach the Economics 105 course with 8 associated laboratory/recitation sessions to be taught by 3 graduate assistants, 2 of which are funded under the Success program. The new Success 106 class employs and trains 2 graduate students teaching 5 lab sessions.

We continue with our plans to introduce a new program called a Masters in Applied Economics. This is intended to strengthen the graduate program while enlarging the MA cohort. The focus will be on providing training for students to enter, or advance, within the fields of Public Finance and Health Economics. The MA program will have an internship component and we have received encouraging interest from departments in the State Government and will continue the dialog with heads and representatives of these organizations.

The RWJ Center for Health Policy was funded and we have 3 students in our PhD program receiving support from the Center. Three faculty have had research proposals funded by the Center and we will continue to develop our relationships with this Center and its innovative programs.

1. Publications

Dr. Robert Berrens:

*Little, J., K. Grimsrud, P. Champ, and R. Berrens. 2006. AInvestigation of Stated and Revealed Preferences for an Elk Hunting Raffle.@ ***Land Economics*** 82(4): 623-640.

*Grimsrud, K., R. Mittlehammer, and R. Berrens. 2006. AA Mixture Model of Consumers= Intended Purchase Decisions for Genetically Modified Food.@ ***Economics Bulletin*** 3(21):1-11.

Talberth, J., R. Berrens, M. McKee, M. Jones. 2006. AAverting and Insurance Decisions in the Wildland Urban Interface: Implications of Survey and Experimental Data for Wildfire Risk Policy.@ ***Contemporary Economic Policy***, 24(2):203-223.

*Weber, M., and R. Berrens. 2006. AValue of Instream Flow and Remote Recreation in the Sonoran Desert.@ ***Journal of Water Resources Planning and Management***, 132(1): 53-60.

*Starbuck, M., R. Berrens, M. McKee. 2006. ASimulating Changes in Forest Recreation Demand and Associated Economic Impacts due to Forest Restoration and Fuels Management Activities.@ ***Forest Policy and Economics***, 8(1):52-66.

*Mozumder, P., R. Berrens, A. Bohara. 2006. AIs There an Environmental Kuznets Curve for Biodiversity Risk?@ ***Journal of Developing Areas***, 39(2):1-12.

Dr. Melissa Binder:

*Binder, Melissa. 2007. "The Cost of Providing Universal Secondary Education in Developing Countries." In Cohen, Joel E., David E. Bloom, and Martin Malin eds. *Educating All Children: A Global Challenge.* (Cambridge, MA: The MIT Press.)

Dr. Alok Bohara:

*Bohara Alok K., Arthur J. Caplan, and Therese Grijalva, The Effect of Experience and Quantity-Based Pricing on the Valuation of a Curbside Recycling Program, (Accepted Ecological Econ, Accepted Feb. 2007)

*Nepal, M., A. Bohara and R. Berrens. "Investigating the Impact of Social Networks on Household Forest Conservation in Rural Nepal." Submitted for publication consideration to *Land Economics*, April 2005, Requested revision, August 2005, (Accepted March 2006).

*Mozumder, Pallab, R.P. Berrens, and Alok. K. Bohara, "Is There an Environmental Kuznets Curve (EKC) For Biodiversity Loss?," *Journal of Developing Areas,* Vol. 38, No. 2, 2006.

*Bohara, A.K., K. Gawande, and P. Sanguinetti, "Trade Diversion and Declining Tariffs: Evidence from Mercosur" *(reprint)* in *The WTO and Reciprocal Preferential Trading Agreements*, edited by Caroline Freund, Senior Economist, International Trade Team, development Research Group, World bank, 2006.

Dr. David Brookshire:

*Economic Analysis of New Mexico Water Markets", Proceedings of New Mexico Water Markets: A Seminar on Buying, Selling and Leasing Water Rights, Albuquerque, NM, Lee Brown (H20 Economics) and John Shoemaker & Associates, 2006, (with F. Lee Brown).

*Conceptual Issues of Benefit Transfers and Integrated Modeling, *Environmental Value Transfer: Issues and Methods*, Vol 9, 2007, Eds. S. Navrud, R. Ready and O. Olvar, in the Kluwer Academic Publishers series entitled The Economics of Non-Market Goods and Resources, (with J. Chermak).

*Uncertainty, Benefit Transfers, and Physical Models: A Middle Rio Grande Valley Focus, *Environmental Value Transfer: Issues and Methods*, Vol 9, 2007,, Eds. S. Navrud, R. Ready and O. Olvar, in the Kluwer Academic Publishers series entitled The Economics of Non-Market Goods and Resources, (with J. Chermak and R. DeSimone).

**Societal Value of Geologic Maps: Japanese Translation of USGS Circular 111 and Review of Studies on The Economic Evaluation of Geologic maps in the United States*, by Masatsugu Ogasawara and Kenta Ooi (Editors, March 2006, Geological Survey of Japan, AIST,(with R. Bernknopf et al.)

*"Water Markets in the Southwest: Why and Where?, originally published in *Southwest Hydrology*, abstracted as part of the *ASFA: Aquatic Sciences and Fisheries Abstracts*

Dr. Janie Chermak:

*"Testing the Consistency between Laboratory and *Ex Ante* Market Data," with K. Krause, D.S. Brookshire, and S. Burness, *American Economic Review,* April

*"A Two-Agent Dynamic Model for an Invasive Weed: Can an Invasive Species Problem be Nipped in the Bud?" with K. Grimsrud, J. Hansen, K. Krause, and J. Thacher , *Journal of Environmental Management*, October

*"The Theory of Exhaustible Resources: What Are Econometric Methodologies Testing?" with R.H. Patrick, *Review of Economic and Statistics*, December

Dr. Don Coes:

*"Income Distribution in Brazil and China: Evaluating Absolute and Relative Economic Growth", *Quarterly Review of Economics and Finance* (note: revision of conference paper reported on last year's salary document, Section III. Permission requested by *China Finance Review*, Shanghai Jiaotong University and Oxford University Press, for republication.

Dr. Matias Fontenla

*"Public Infrastructure and Economic Growth in México" El Trimestre Económico. Fontenla, Matias and Antonio Noreiga. Accepted November 2006.

*"Liquidity Provision and Banking Crises with Heterogeneous Agents" submitted to Macroeconomic Dynamics, Feb 2007. Fontenla, Matias.

Dr. Philip Ganderton:

*"Cost of Injury-related Inpatient Treatment: Improving the Analysis," Final Report, New Mexico Department of Health, Injury Epidemiology and Response, Contract No. 06/665.0300.0020 September, 2006.

*"The Economic Cost of Teenage Childbearing and Parenting in New Mexico: New Estimates," Final Report, New Mexico Department of Health, PHD-FPP, Contract No. 06/665.0100.0160 2006.

Dr. Kristine Grimsrud:

*Gwen Aldrich, Kristine M. Grimsrud, Jennifer A. Thacher, and Matthew Kotchen. "Relating Environmental Attitudes and Contingent Values: How Robust are Methods to Identify Preference Heterogeneity?" *Environmental and Resource Economics* (Accepted 17 Oct. 2006).

*Joseph M. Little, Kristine M. Grimsrud, Patricia A. Champ, and Robert P. Berrens. 2006. "Investigation of Stated and Revealed Preferences for an Elk Hunting Raffle." *Land Economics* 4(82):623-640.

*Kristine M. Grimsrud, Ron C. Mittelhammer, and Robert P. Berrens. 2006. "A Mixture Model of Consumers' Intended Purchase Decisions for Genetically Modified Foods" *Economics Bulletin* 3(21):1-11.

*Kristine M. Grimsrud, Janie Chermak, Jason Hansen, Jennifer Thacher, and Kate Krause "A Two-Agent Dynamic Model for an Invasive Weed: Can an Invasive Species Problem be Nipped in the Bud?" Submitted to Journal of Environmental Management, November 15, 2006.

*Kristine M. Grimsrud, Ron C. Mittelhammer, and Robert P. Berrens. 2006. "A Mixture Model of Consumers' Intended Purchase Decisions for Genetically Modified Foods" *Economics Bulletin* 3(21):1-11.

Dr. Kate Krause:

* "Learning to Bargin" in *Journal of Economic Psychology* (with Bill Harbaugh and Lise Vesterlund) March 2006.

* "GARP for Kids: On the Development of Rational Choice Behavior" with Bill Harbaugh and Tim Berry in *Recent Developments in Economic Psychology*, Schlomo Matial ed, Edward Elgar Publishing. April 2006.

*"A Two-Agent Dynamic Model for an Invasive Weed: Can an invasive species be nipped in the bud?" Journal of Environmental Management, Submitted in November 2006 with Kristine Grimsrud, Jennifer Thacher and Janie Chermak.

Dr. Jennifer Thacher:

*Aldrich, G., K. Grimsrud, J. Thacher, and M. Kotchen. Relating Environmental Attitudes and Contingent Values: How Robust are Methods for Identifying Heterogeneous Groups? *Environmental and Resource Economics*. Accepted November 2006.

*K. Grimsrud, J. Chermak, J. Hansen, J. Thacher, K. Krause. A Two-Agent Dynamic Model for an Invasive Weed: Can an Invasive Species Problem be Nipped in the Bud? November 2006.

2. Outside Professional Activities

Dr. Robert Berrens:

Instream Flow Economic Valuation Methods@ Part 1. (R. Berrens.) *Dividing the Waters, A Dialog for Judges, Masters and Referees*. Science for Judges Workshop III, Sponsored by Hewlett and Compton Foundations, Santa Fe, NM, March 2006.

Data and Economic Valuation.@ Part 2. (R. Berrens.) *Dividing the Waters, Dividing the Waters, A Dialog for Judges, Masters and Referees*. Science for Judges Workshop III, Sponsored by Hewlett and Compton Foundations, Santa Fe, NM, March 2006.

Attitudes, Beliefs and Values towards National Forests and National Forest Management@ Sampling Plan and Database Development.@ Invited presentation (R. Berrens, J. Thacher, M. Hand and J. Bjarke), Region 3, Social Science Unit, USDA Forest Service, Feb. 1, 2006, Albuquerque, NM.

Weber, M., S. Stewart, R. Berrens. "Southwestern Case Studies in Riparian Restoration: What Would You Pay to Get Soaked?" 6th Annual Meetings. SAHRA, Phoenix, AZ, October, 2006.
(presented by Weber).

Prante, T., J. Thatcher, D. McCollum and R. Berrens. "Revealed Preference Analysis of a Pilot Community Forestry Program: New Mexico's Collaborative Forest Restoration Program" University of Colorado Environmental Economics Conference, Vail CO, September, 2005. (Presented by Prante)

Weber, M., S. Stewart, R. Berrens. "Quantifying the Value of Instream Flow in the Desert Southwest." 33rd Annual Natural Areas Conference, Northern Arizona University, Flagstaff, AZ, September, 2006 (presented by Weber).

Little, J., R. Berrens. AThe Southwestern Market for Big Game Hunting Permits and Services: A Hedonic Pricing Analaysis.@ Annual Meetings, Western Agricultural Economics Association, Anchorage, AK, June, 2006.
(Presented by Little).

Hand, M., J. Bjarke*, J. Thacher, D. McCollum and R. Berrens. AAmenities, Wages and Heterogeneity in the Southwest.@ Annual Meetings, Western Agricultural Economics Association, Anchorage, AK, June, 2006.
(Presented by Hand).

Li, H., R. Berrens, and T. Grijalva. AInvestigating the Environmental Kuznets Curve Hypothesis using Meta-analysis.@ Annual Conference, Midwest Economics Association, Chicago, IL., March, 2006 (Presented by Li).

Hand, M., J. Bjarke*, J. Thacher, D. McCollum and R. Berrens. AAmenities, Wages and the Use of Stated Preference Surveys.@ USDA W1133 Regional Research Project, Annual Conference, San Antonio, TX, February, 2006 (Presented Hand).

Dr. Melissa Binder:

Binder, Melissa, Janie Chermak, Julia Gilroy, Kate Krause and Jennifer Thacher. 2006. FACULTY COMPENSATION AT UNM: IS THE REWARD SYSTEM EQUITABLE? Prepared for the Provost and the Dean of Arts and Sciences, UNM, Albuquerque, NM.

Binder, Melissa. 2006. DEVELOPING A SCORECARD FOR AMERICAN INDIAN HIGHER EDUCATION: Retention and Graduation Outcomes for Individual Students. Prepared for the American Indian Graduate Center, Albuquerque, NM.

Binder, Melissa. "Hispanic Students and the NM Lottery Scholarship." Presentation. New Mexico Statewide Policy Institute on Higher Education Access, National Association of Latino Elected Officials. Albuquerque, NM. December 2006. (Invited.)

Dr. Alok Bohara:

Coordinated and helped organize *the First Annual Himalayan Policy Research Conference* (35th South Asian Conference at the U. of Wisconsin), Nepal Study Center, University of New Mexico Madison, October 19, 2006.

Dr. David Brookshire:

*"The Potential for Water Banking/Leasing in New Mexico: A Proposal for The Mimbres Basin", Office of the State Engineer, Santa Fe, NM , January 2006 (David Brookshire, Don Coursey, Vince Tidwell and Hoshin Gupta).

*"Towards a Water Leasing/Banking System on the Middle Rio Grande, University Council on Water Resources Meeting on Increasing Freshwater Supplies, Santa Fe, NM, July 2006, (Craig Broadbent, David Brookshire, Don Coursey and Vince Tidwell).

*"An Integrated Model for a Water Leasing System on the Middle Rio Grand, New Mexico", session entitled: "Numerical Modeling in Support of Water Resource Decision Making and Policy Implementation," American Geophysical Union, San Francisco, 2006, (David S. Brookshire, Don L. Coursey, Vince Tidwell and Craig D. Broadbent)

*"Towards a Water Banking/Leasing System on the Middle Rio Grande, New Mexico USA: Progress to Date", III International Symposium on Transboundary Waters Management, Ciudad Real, Spain July 2006, (David Brookshire, Craig Broadbent, Con Coursey, and Vince Tidwell).

*"A Stylized Water Banking and Leasing Framework: Integrating Institutional, Economic, Science Models", Reclamation Research and Development Forum on Institution and Collaborative Approaches to Water Solutions Workshop, Bureau of Reclamation, Denver, CO, February 2006, (David Brookshire, Don Coursey and Vince Tidwell)

*"Economic Analysis of New Mexico Water Markets", New Mexico Water Markets: A Seminar on Buying, Selling and Leasing Water Rights, Albuqeuerque, NM, hosted by Lee Brown (H_20 Economics) and John Shoemaker & Associates, (F. Lee Brown and David Brookshire)

*"Economics of River Restoration", workshop entitled *Integrating Inquiry & Water Issues*, Explora Science Center, Albuquerque, NM, June 2006.

*Issues and Results from Experimental Water Leasing Markets", Annual UNM Water Forum, October 2006.

Dr. Janie Chermak:

*"The Theory of Exhaustible Resources: What Are Econometric Methodologies Testing?" with R.H. Patrick, Southern Economic Association Meetings, Charleston, SC: November 18, 2006

*"Economics and Water in the Middle Rio Grande," presented in the UNM, Department of Civil Engineering's Rio Grande Seminar, Albuquerque, NM: November 28, 2006.

*"Strategic Behavior, Incentives, Heterogeneity, and Invasive Species Management: An Update," presented at the Workshop on the Program of Research on the Economics of
Invasive Species Management, Washington, DC: October 19, 2006.

*"Dynamic Modeling, Information Transfers, and Uncertainty," presented at CREATE's Workshop on Benefit Methodologies for Homeland Security Analysis, Washington, DC:
June 9, 2006.

Dr. Matias Fontenla:

"Multiple Financial Crises and the Role of the Lender of Last Resort" Universidad de Guanajuato, México, May 2006.

"Public Infrastructure and Economic Growth In Mexico" Sam Houston State University, Houston, Texas, April 2006.

Dr. Kristine Grimsrud:

*Kristine M. Grimsrud and Ray Huffaker. "Solving Multidimensional Bioeconomic Problems with Singular-Perturbation Reduction Methods." Seminar, Dept. Economics, UNM, Oct 6, 2006 Presenter: Kristine Grimsrud.

Dr. Christine Sauer:

*"Coins or Notes" Seigniorage Regulations in the EMU." Western Social Science Association Annual Conference, Phoenix, AZ April 19-23, 2006.

Session Organizer and Moderator, "Monetary Integration," panel with 4 UNM undergraduate students at the 2006 Western Social Science Association Annual Conference in Phoenix, AZ April 19-23, 2006.

Dr. Jennifer Thacher:

W. Breffle*, E. Morey, and J. Thacher. Combining attitudinal and choice data to improve estimates of preferences and preference heterogeneity: a FIML, discrete-choice, random-utility, latent-class model. ASSA meetings, Chicago, IL. January 2006.

T. Prante*, J. Thacher, D. McCollum, R. Berrens. Revealed Preference Analysis of the Collaborative Forest Restoration Program in New Mexico. University of Colorado Environmental and Resource Economics Workshop. Vail, CO. September 22-23, 2006.

M. Hand*, J. Bjarke, J. Thacher, D. McCollum, R. Berrens, Amenities, Wages, and Heterogeneity in the Southwest Western Agricultural Economics Association, Anchorage, Alaska. June 30, 2006

M. Hand*, R. Berrens, J. Bjarke, J. Thacher, D. McCollum Amenities, Wages, and the Use of Stated Preference Surveys. W1133. San Antonio TX. February, 22, 2006.

W. Breffle, E. Morey, and J. Thacher*. Combining attitudinal and choice data to improve estimates of preferences and preference heterogeneity: a FIML, discrete-choice, random-utility, latent-class model.W1133. San Antonio TX. February, 22, 2006.

Researcher for Provost commissioned study of Compensation and Promotion in the College of Arts and Sciences at UNM (January – December 2006)

3. Research Grants and Contracts Funded

The department received the following grants to fund faculty and graduate research during this academic year. Total of $1,118,900.00

US Forest Service
"Attitudes, Beliefs, and Values towards National Forests and National Forest Management"
Berrens, R., Thacher, J.
$195,000
July 2006 – June 2007
Year 2 Funding - continued from Year 1

US Forest Service
"A Continuing Research into Understanding Behavioral and Economic Responses to Forest Restoration Programs in the Southwest"
Berrens, R, Thacher, J.

$50,555.00
August 2006 – July 2007
Year 1 Funding

US Forest Service
"Economic Analyses in Support of National Forest Planning"
Berrens, R., Thacher, J.
$23,002.00
September 2006 – July 2007
Year 2 Funding

SAHRA
"Sustainability of Water Resources in Semi-Arid Regions"
Brookshire, D., Litvak, M.
$132,830.00
January 2006 – December 2006
$166,546.00
January 2007 – December 2007
10 Year Project, is Funded Each Year
2008 will be Year 9 of funding

USGS - SILPE
"Science Impact Laboratory for Policy & Economics (Category 1 Center/Institute)"
Brookshire, D.
$65,000
January 2007 – December 2007
Year 3 Funding

EPA-Birds
"Integrated Modeling and Ecological Valuation"
Brookshire, D., Thacher, J.
$128,737.00
May 2006 – April 2007
Year 3 Funding

Sandia National Labs – MIMBRES
"Decision Support Modeling to Aid in Design of Water Banks for New Mexico"
Brookshire, D.
$101,446.00
June 2006 – June 2007
Year 1 Funding

US Department of Agriculture – Weeds
"Strategic Behavior, Informational Asymmetries, and Spatial Variations in Invasive Species Management on Ranching Lands: An Evaluation of Incentives for Russian Knapweed and Yellow Starthistle"
Chermak, J., Thacher, J., Grimsrud, K., & Krause, K.
$200,000.00
October 2006 – September 2007
Year 1 Funding

New Mexico Water Resources Research Institute – WRRI
"Predicting Land Use Change and its Effect on Nonpoint Source Pollution"
Thacher, J., Chermak, J.
$20,000.00
August 2006 – July 2007
Year 2 Funding

National Science Foundation
"Public Welfare Values of Acequia Irrigation"
Krause, C., Nejem Raheem – Doctoral Dissertation
$10,770.00
August 2006-July 2007

US Department of Agriculture – Drought
Sub-Contract with University of Nebraska
"Drought Risk, Impact, and Mitigation Information System"
Chermak, J.
$25,014.00
Year 1 Funding

4. Student Information

Bachelor of Arts Degrees Conferred
Bachelor of Arts degrees conferred in 2006-2007 academic year:

Alexis Adams
Mahad Ahmed
Felipe Aragon
Mark Baca
Julie Ball
Lovell Bannowsky
Robert Buckley
Thomas Bussell
Martin Caller
Matthew Carter
Enrique Ceballos
Mainuddin Chowdhury
Victoria Coughlin
Morgan Dinham
Le-Quyen T. Do
Kelly Fessler
Venessa Galindo
Ruben Gallegos
Christopher Garcia
Michael Gonzales
James Hallinan
Matthew Hardy
Samuel Hinton
Jeremy Horton
Nick Hudnot
* Lauren Husemann
Christopher Hunter
Michael Jennings
* Karl Kalm
Jessie Keefe
Stephanie Kano
Kyle Kinney
William Kleinsteuber
Idalia Lechuga-Tena
Stephen Lemrond
Michael Marsh
Adam Martinez
Jason Martinez
Ryan Matuszeski
Joseph Mayo
Kevin Menicucci
*Anastasia Miller
Leslie Ogas
* Monique Ortiz
Daniel Parker
Christopher Quintana
Milton Roberts
E.E. Rockey
Marcus Romero
Kenneth Rooney
Seth Saavedra
Steven Saavedra
Christopher Saunders
Benjamin Schmidt
Heather Schroeder
Geoffrey Dylan Schultz
Margaret Stamp
Christopher Veazey
Mary Villanueva
Julia Atini Vlajic
Robert Wilson

Master of Arts Degrees Conferred
Masters of Arts degrees conferred in 2006-2007 academic year:

Jake Grandy
Brian Held
German Izon
Emmanuel Mannah
Michael Milligan
Carl Philpott
Tyler Prante
Caroline Roberts
Daren Ruiz
Rohnn Sanderson
Stephanie Schardin
Joseph Ulibarri
Kai Wang

Doctoral Degrees Conferred **(Committee Chair)**
Doctor of Philosophy degrees conferred in 2006-2007 academic year:

Michael Hand
Co-Chairs - Dr. Robert Berrens, Dr. Jennifer Thacher, Dr. Melissa Binder, Dr. Daniel McCollum, and Dr. Gregory Gleason

Mani Nepal
Co-Chairs - Dr. Alok Bohara, Dr. Robert Berrens, Dr. Christine Sauer, and Dr. Edward Bedrick

William Vasquez Mazariegos
Co-Chairs - Dr. Christine Sauer, Dr. Alok Bohara, Dr. Donald V. Coes, and Dr. Gabriel Huerta

J. Raymond Stuart Award
Craig Broadbent
Paul Paez
Stephanie Chu

Gerald Boyle Memorial Award
Jason Hansen
Rohnn Sanderson
Dianna McEnnerney

Distinguished Alumnus:
James Nunns
BA, 1969 Economics & Philosophy
University of New Mexico
MA, 1971 Economics
University of New Mexico

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

Fall Credit Hours by Course Level
1996-2006

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
100	261	2694	3048	3684	4161	4272	4245	4365	5034	4101	4446
200	2802	105	87	192	309	270	333	231	279	309	261
300	1410	1659	1365	1011	858	690	867	753	900	937	1053
400	234	220	192	281	127	208	123	327	122	153	169
500	314	227	192	212	212	267	348	338	407	358	442
600	84	108	0	123	115	105	90	78	54	72	66
Total	**5105**	**5015**	**4884**	**5503**	**5782**	**5812**	**6036**	**6092**	**6796**	**5930**	**6437**

Spring Credit Hours by Course Level
1996-2006

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
100	0	0	0	2874	3303	3558	3639	4035	4263	4026	4197
200	3168	3033	2652	195	261	0	0	0	27	0	0
300	2055	1440	1506	1368	1488	888	1167	1164	999	1089	1068
400	176	221	228	174	149	159	106	125	203	290	213
500	283	299	264	270	204	172	202	247	325	333	309
600	117	78	75	117	123	111	91	102	87	69	66
Total	**5799**	**5071**	**4725**	**4998**	**5528**	**4888**	**5205**	**5673**	**5884**	**5807**	**5853**

ANNUAL REPORT
DEPARTMENT OF ENGLISH

July 1, 2006—June 30, 2007

David Richard Jones, Chair

Personnel

Perhaps the biggest issue of the academic year arose in the constitution of our professoriat.

Two Assistant Professors devoted to Native American literature separated from the department, Stephen Brandon after an unsuccessful mid-probationary review in 2005-06 and Elizabeth Archuleta because of a successful move to Arizona State University. Brandon's separation had been anticipated, and we launched a search to appoint an Assistant Professor in Early Native American Literature. By the time Archuleta's departure became public knowledge in mid-year, the faculty's sense of the search and its meaning changed accordingly. By the late Spring, an aggressive campaign to bring in a husband-and-wife team of developing Native scholars failed at the eleventh hour and the search was canceled, which meant that we went into 2007-08 with no full-time scholars in the field, a noticeable dip in faculty devoted to American literature generally, and a net loss of two FTE.

A third FTE was lost when Jerome Shea retired after three decades of administering and teaching at UNM. It was a happy event to celebrate Jerry's accomplishments, his wit, and his release from the hum-drum of the day-to-day, but it put a hole in the Rhetoric and Writing faculty and lowered our faculty numbers another notch.

The single addition to our faculty for the coming year was Lecturer Philip Tietjen, who took a spot vacated in June by Kevin Cassell. Tietjen brings with him extensive experience in professional writing and online course development, both of which are critical to our future.

These developments, coupled with earlier separations and several half-time appointments, meant that we began AY 2007-08 with a budget of 30 tenure-track FTE filled by 32 active tenure-track professors, four of whom teach for us half-time. These numbers represent a decided dip from previous highs of 37 and 38 tenure-track professors during the mid-1990s. (A footnote: several of those 37 or 38 were university administrators who no longer had an operational role in the department, while the 2007 numbers do not include two such figures—Reed Way Dasenbrock and Peter White—who neither teach nor serve in our department but who appear on various rosters of our professors.)

To counterbalance the loss of tenure-track professors, we have eight Lecturers currently on staff, men and women who not only bear a heavy teaching load at all curricular levels but fill crucial roles in program administration—for example, Mike Cabot in 220, Erin Lebacqz in First-Year Writing and other R&W initiatives, and Valerie Thomas in online education and 219.

But many colleagues share the belief that we have lost important numbers of research faculty necessary to operate graduate programs and cover essential coursework. Our hiring picture for the years ahead will be heavily influenced by this perception and the needs behind it.

Student Success

This was a year in which the Chair, several Directors, and some faculty got religion about the need to help UNM undergraduates stay in school and graduate in a timely fashion. The institutional initiatives now gathered under the term "student success," begun by outgoing Provost Reed Dasenbrock and continued under incoming President David Schmidly, have had serious input from English faculty—for example, Chuck Paine and I both served on subcommittees of the Provost's Graduate Task Force in 2006—and pose serious challenges, especially for courses fulfilling requirements in the university's Humanities and Writing-Speaking cores.

We have taken an active stance in response. In the Spring, we successfully asked the Provost for $56,000 to launch three initiatives in First-Year Writing:

- Second-8-week sections of 101 (Fall) and 102 (Spring) for students who begin their semesters poorly.

- Intersession workshops in which marginally failing students can raise their grades to a C, retain their scholarships, and continue to make progress.

- A major study of how to deliver online content in both English 101 and 102, involving the use of outside consultants and a site visit to Colorado State University to study the state of this particular art.

At the same time, the Department appealed to Arts and Sciences to free up money—money that had come to the college budget from Extended University but been generated by our online courses—to fund the first of several "Computers on Wheels" carts that will extend the use of computers in writing classrooms at all levels.

Late in the year, two further initiatives were under discussion in Rhetoric and Writing. It remains to be seen whether they bear fruit:

- A proposal to change the placement of students into English 100, allowing for Directed Self-Placement of marginal students who want to try 101 and agree to a program of supplemental instruction

•An initiative with university-wide implications to change the Writing-Speaking core requirements, substituting the requirement of English 102 with a requirement of either 102, 219, or 220.

And in our office of Undergraduate Studies, we have adopted a much more active posture in advising undergraduate majors, combining our full-time staff advisement which concentrates on course prerequisites and degree requirements with faculty advisement from Carolyn Woodward, our Director of Undergraduate Studies, and members of her Undergraduate Committee. Together, these various advisors give prospective majors a strong sense of their academic options and life choices.

Assessment

English has become a campus leader in outcomes assessment, which is both a pesky requirement of accrediting agencies and a broad initiative to improve the quality of higher education.

Two examples of leadership: Chuck Paine has become a leader in the college and university, leading workshops for faculty on how to write appropriate learning outcomes and working with university-wide accreditation review committees. I have been appointed to the Provost's Committee on Assessment, which is tasked with developing a campus-wide culture of outcomes-and-assessment and helping the university prepare for the self-study and accreditation review scheduled for early 2009.

The other side of our leadership is that we are well beyond most UNM departments in developing a serious plan of outcomes and assessment. Over the past year, we made marked progress toward an array of learning outcomes for various programs and courses, from all of the core writing and humanities courses to the new MFA. We collected and analyzed ten years of outcome assessments on the graduate programs, data that had been sitting undigested in a file folder. We conducted pilot assessments in almost all major programs during Spring 2008, leading to a 28-page report to the UNM Assessment Manager in July 2007.

These efforts are still in need of revision and development, and we need to make considerable progress in the coming year to increase individual understanding of the process and to go beyond surly compliance in developing a 21st-century education program. But we have made a notable start.

A Year of Awards and Honors

As usual, the English Department, corporately and individually, was visible in international, national, regional, and local arenas, publishing, reading, teaching, serving on boards, running lecture series, and playing the saxophone in far-flung venues. Extravaganzas were held on campus and in Taos.

But this was a year with more than the usual array of awards for students and faculty. Consider the following inexhaustive list of such public achievements:

•Three awards in a single year from the National Endowment for the Arts, to two professors (David Dunaway and Diane Thiel) and one MFA student (Lisa Gill).

•Greg Martin winning the Gunter Starkey Award for Outstanding Teaching from the College of Arts and Sciences.

•PhD student Robin Runia winning an Outstanding Teaching Assistant award from the Office of Support for Effective Teaching and the Faculty Senate Teaching Enhancement Committee.

•Sharon Oard Warner winning the Sarah Belle Brown Community Service Award from UNM.

•Amy Jameson, our Department Administrator, winning the Provost's Outstanding Staff Award.

•Gary Harrison and Gail Houston winning Dean's Research Semester awards from A&S.

•PhD student Birgit Schmidt-Rosemann winning a Dean's Dissertation Fellowship from A&S.

•Elizabeth Archuleta being profiled as belonging to "Emerging Scholars: The Class of 2007" in *Diverse* magazine.

•Gary Scharnhorst's umpteenth Fulbright award, this one to lecture in American literature at Friedrich-Schiller University in Jena, Germany.

•Jesse Alemán making his television debut as a talking head in a History Channel special on "Secret Soldiers: Women in the Civil War."

•The appointment of Provost and Professor of English Reed Way Dasenbrock as Secretary of the New Mexico Department of Higher Education by Gov. Bill Richardson.

Planning the Future

By the end of the year, the Chair and Executive Committee decided on a year of strategic planning in 2007-08, beginning with a retreat in Fall 2007 and continuing on to initiatives that would span the academic year. The compelling reasons for this included our lack of any such planning since the beginning of the century, the call for priorities and goals from the incoming Dean and President, and the approach of Academic Program Review in 2009-2010, our first such review in a long time.

Undergraduate Studies

Carolyn Woodward continued as Director of Undergraduate Studies and guided her committee and office through a number of programs that were headlined "Connecting with Majors":

> •Establishing an interactive listserv for majors, on which they can receive curricular and advising bulletins as well as participate in a chatroom.
>
> •Initiate Outcomes Assessment for the undergraduate program in literary studies. The trial efforts of Spring 2007 did not result in numerical assessments, but the establishment of outcomes and the move toward an assessment process represented a major step in the direction of compliance with new university procedures.
>
> •Continued development of the Honors Program with an evening devoted to Honors Works in Progress at Flying Star Downtown and a "Travel to Collections" grant to senior Alexandra Aceves, who went to Leeds (UK) to research 18th century political documents.

Woodward reports more initiatives for the coming year, including an effort to increase "Travel to Collections" funding, the development of a full-color brochure for the undergraduate program, and the full development of outcomes assessment in several courses as well as the major as a whole.

With its six quite different concentrations, the undergraduate English major continues to grow in popularity. The department graduated 138 students with a BA between Summer 2006 and Spring 2007, up from 105 graduates in 2005-06 and 86 in 2004-05. The department's database, which provides a different set of figures from the university's, shows an increase in the number of continuing majors: from 506 in Spring 2005 to 533 in Spring 2006 to 658 at the start of Fall 2007. Of these, slightly more than half choose the concentrations that focus on literary study, nearly one-third choose Creative Writing, and about one-sixth choose Professional Writing, which also exists as a popular transcripted minor.

For majors and other students, undergraduate courses in English also continue to grow in popularity. Separate figures appear below for undergraduate courses in Creative Writing and Rhetoric and Writing. Over the past year, enrollment in literature courses from Eng. 150 upwards increased 9%, passing the 2000 student mark for the first time in our history. Over the past five years, enrollment in the same suite of courses has jumped 29%.

At the level of student interest and involvement, English studies in general are strikingly healthy.

Graduate Studies

Jesse Alemán completed his second and last year as Director of Graduate Studies, leaving for a well-deserved sabbatical with a program that was running smoothly.

2006-07 was a relatively quiet year in our graduate programs, with no major changes to any programs in makeup, curriculum, or policies. Enrollment held at previous levels: 40 PhDs, 38 MFAs, and 33 MAs (13 in Literature, 20 in Rhetoric and Writing). Admissions were likewise normal for recent years: 8 PhDs, 15 MFAs, 20 MAs (5 Literature, 5 Rhetoric and Writing).

The most controversial piece of business was the reexamination of the MA in Literature, a program that promises to be under discussion in the coming year. The Graduate Committee studied alternative models of coursework and final projects.

Otherwise, the Graduate Director recommended future attention to the following issues:

*The growth of the MFA program, now as large in its enrollment as the PhD but staffed at a much lower level, both in terms of faculty and staff support.

•The relative inactivity of PhD graduates in the national job market.

•The need for better tracking of PhDs after graduation for such purposes as alumni relations, fundraising, and an understanding of the program's effect.

Creative Writing

Sharon Oard Warner continued as Director of Creative Writing and Director of the Taos Summer Writers Conference.

The major changes in Creative Writing during 2006-07 took place in curriculum, with the institution of a multi-genre introductory course for undergraduates (Eng. 224, replacing Eng. 221, 222, and 223) and the first editions of two new graduate offerings: Eng. 680 Creative Writing Seminar and Eng. 535: Creative Writing Pedagogy. These last two items represent, among other things, the conclusion of the program's change from MA to MFA.

The program's external attractiveness obviously increased, as shown by 160 applications for admission to the MFA (up from 115 in the previous year) and rising numbers of currently enrolled graduate students. Enrollment in CW courses, which are capped and hence incapable of substantial increases without the addition of new sections, held steady at the undergraduate level and increased 22% at the graduate level through the creation of two additional courses over the previous year. Over the past five years, enrollment in all CW courses in our department has increased 24%.

Blue Mesa Review went through a series of changes during the year. At one point, a serious effort was made to move to semi-annual publication, but the funds to support this were not forthcoming. By the end of the year, the CW faculty decided to make the magazine student-run, and a series of meetings took place leading to that decision and toward a clarified structure of student editorship.

The Taos Summer Writers Conference, now in its ninth year, had its largest event, with participants from at least 33 states and Australia taking part in 28 different workshops. Five full-time faculty and several adjuncts were among the workshop leaders, and much of the conference's infrastructure was provided by a group of nine graduate and undergraduate interns. The keynote address for the conference was given by Richard Rodriguez, one of the current masters of the personal essay and a well-known commentator in print and on television.

The department played host to two remarkable visiting writers: Mark Sundeen, a widely published author of magazine articles in such venues as the *New York Times Magazine,* and Albuquerque's own Alisa Valdes-Rodriguez, author of *The Dirty Girls Social Club* and founding mother of the "chicalit" movement.

Perhaps the most important achievement of this program resides in the publication of creative and critical work by its faculty and students and their appearances at readings, workshops, and other public venues. And it was another banner year for the CW program, with all of its full-time faculty publishing in one venue or another and 18 graduate students publishing creative works or reading papers at conferences.

Finally, the program and the department lost a loved and respected emeritus faculty member with the death of Gene Frumkin. Gene had been instrumental in making a real creative writing program at UNM during the 1960s and 1970s and had remained attached to students and faculty in the department as well as to *Blue Mesa Review* since retiring in the mid-1990s.

Rhetoric and Writing

Perhaps the busiest agenda during 2006-07 came from our division of Rhetoric and Writing. Chuck Paine as Director of R&W, Erin Lebacqz as Associate Director of First-Year Writing, and Scott Sanders as Director of Professional Writing and Internships completed whole-year terms in office, lending a degree of stability to the many R&W programs. This stability, which had not been experienced for some years, led to the completion of two large tasks and the development of many other initiatives.

Two major changes were brought to fruition during 2006-07:

- The revamping of English 101, our most important gateway course, to a new "genre-based" curriculum that places important emphasis on learning to write in different styles for different audiences. After a year's study by professors, lecturers, and graduate students, during which they considered numerous

alternative theories, pedagogies, and textbooks, the program as a whole embraced this new approach and then set about instituting it through meetings and orientations for new and continuing TAs and faculty.

•The implementation of program assessment through portfolio review in all core writing courses (Eng. 101, 102, 219, and 220). In these courses that are central to UNM's overall educational mission, learning outcomes have been generated and refined, assessments have been instituted through the use of discourse-based, course-imbedded instruments, and faculty and administrators are beginning the process of acting on their new knowledge of what does and doesn't work.

Among the important programs that grew over the past year were these:

•New Mexico English Teachers Exchange. An effort to foster better understanding between high-school teachers of English and UNM teaching assistants, this program moved into its first full year of operation with support from Arts and Sciences, the Office of Graduate Studies, and University College. During AY 2006-07, twenty pairs of teachers discussed learning outcomes, visited each others' classrooms, and engaged in various exchange-grading exercises to teach pre-college students what lay ahead and to show TAs where their students were coming from.

•Service Learning. By the end of the academic year, our cooperation with University College on courses that include research and service learning had expanded to seven courses ranging from Eng. 101 to Eng. 418. Students not only worked at or with external entities such as after-school programs, community centers, and non-profit corporations, but their writing grew by exposure to this real-world experience.

•Online and hybrid teaching formats. Our department's commitment to teaching in fully online and mixed formats continued during this year. Scott Sanders spent a second year working on these initiatives for the College of Arts and Sciences. At year's end, we successfully appealed for money from the Provost to study a larger initiative of teaching English 101 and 102 online. Numbers of online and hybrid sections have leveled off, and various enrollment anomalies exist, which we are inclined to blame on glitches in the BANNER system that make it difficult for students to find and register for such sections.

At the graduate level, this year saw the first full implementation of the new MA program in Rhetoric and Writing, which had been created after Creative Writing split off from the old MA in Writing to launch its MFA. Enrollment numbers increased. And a new Portfolio requirement was devised as particularly appropriate for MA-RW students who are increasingly creating works that do no fit well within the definitions and formats of the traditional thesis.

Enrollments were down in the core writing courses. Decreases were 5.6% in Eng. 101, -7.2% in Eng. 102, -13.9% in Eng. 219, and -6.1% in Eng. 220. Over the past five years, overall growth in these four courses has been +2.6%, but it has come in Eng. 219 and 220, where the numbers of sections have increased dramatically.

In R&W courses from the 200 to the 600 level, however, the growth over the past five years has been 29%, representing the vigor of the professional writing curriculum and the increased interest in all rhetorical and writing issues at both undergraduate and graduate levels.

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DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES
ANNUAL REPORT
JULY 1, 2006-JUNE 30, 2007

Submitted by Professor Natasha Kolchevska, Chair, October 12, 2007

FACULTY MILESTONES:

- **Martin Klebes**, Assistant Professor of German, and **Joseph McAlhany**, Assistant Professor of Classical Studies, took positions at other universities and left UNM as of July 1, 2006.
- **Byron Lindsey,** Professor of Russian, retired as of August 1, 2007.
- **Muhammed Ali, Ph.D.,** joined the department as a half-time Lecturer III in Arabic.
- **Susanne Baackmann,** Associate Professor of German, was on sabbatical leave during AY 2006-7, which she partially spent at Humboldt University in Berlin, Germany.
- **Warren Smith,** Professor of Classics, was on sabbatical leave fall semester, 2006, which he partially spent at the Foundation Hardt in Geneva, Switzerland.
- **Lorna Brau,** Assistant Professor of Japanese, was on LWOP fall semester, 2006.

PUBLICATIONS

Baackmann, Susanne

"Jean Paul wieder lesen! Überlegungen zum Ichentwurf in Jean Pauls Siebenkäs." *Wege in und aus der Moderne. Von Jean Paul zu Günter Grass: Herbert Kaiser zum 65. Geburtstag.* Werner Jung (ed.). Aisthesis Verlag: Bielefeld, 2006.

"Grete Weil: Widerständige Zeugenschaft." *Shoah in der deutschsprachigen Literatur.* Norbert Otto Eke, Hartmut Steinecke (eds.), Berlin: Erich Schmidt Verlag, 2006.

Bishop, Stephen

"Hallucinatory Mimicry and the Quest for an Identity a l'Orient," *Dalhousie French Studies,* 77, Winter 2006.

Cyrino, Monica S.

"Ancient Greek Verse," in *Encyclopedia of Erotic Literature*, Gaetan Brulotte and John Phillips, eds. New York: Routledge (2006).

Klebes, Martin

Wittgenstein's Novels. New York: Routledge, 2006.

"Sebald's Pathographies," in *W. G. Sebald: History – Memory – Trauma*, Scott Denham and Mark R. McCulloch, eds. Berlin and New York: De Gruyter, 2006.

Ldelo

Kolchevska, Natasha

"Evgeniia Ginzburg and Aleksandr Tvardovskii: On Class and Gender in Khrushchev-Era Publishing," *The Soviet and Post-Soviet Review*, 33.4, 2006.

"Evgeniia Ginzburg," "Mariia Arbatova" and "Contemporary Russian Women's Literature," *in Routledge Encyclopedia of Contemporary Russian Culture*, T. Smorodinskaya, K. Evans-Romaine, H. Goscilo, eds. 2006.

Pabisch, Peter (Emeritus)

Rudolfsheim-Krieau-Raimund-theater oder der Fall Franz Ruekhaufsen (Peter Lang, 2006).

Powell, Barry

"The House of Odysseus," *Arion* 14.2 (2006)

Ramses in Nightown, A Novel, Athens, Cairo, Ithaca, 2006

Classical Myth, 5th edition, New York: Prentice Hall, 2006

Review of Martin Zimmerman's (ed.) *Der Traum von Troia*, ed. (Munich, 2006), *Classical Review* 57.1 (2006)

Review of Trevor Bryce's *The Trojans and their Neighbors* (London, 2006), *Classical Review* 57.1 (2006)

Smith, Warren

Review of David Mulroy's *The Complete Poetry of Catullus* (U. of Wisconsin P, 2002). *International Journal of the Classical Tradition,* Fall 2006.

Conference papers and invited talks:

Susanne Baackman, Honorary Rudolf Arnheim guest professorship held in conjunction with David Craven, Professor of Art History, Humboldt University, Berlin, the Prussian Cultural Foundation, and the Brandenburg Gate Foundation.

Stephen Bishop, " Conseil international d'etudes francophones, International French Studies conference, Cayenne, French Guiana, June 30 – July 9, 2007

Lorna Brau, "Playful Scheming in Rakugo Storytelling," 30th Comparative Drama Conference, Loyola Marymount University, Los Angeles, CA, March 30- April 1, 2006

Monica Cyrino, "Domina in a Blue Dress: The Sexual Authority of Atia of the Julii." Southern Section 86th Annual Meeting of the Classical Association of the Middle West and South, Memphis, TN, Nov 1-4 2006

Martin Klebes, "Il ritorno in patria? Sebald's Grenzgange." 8th Sydney German Studies Symposium 2006: W.G. Sebald and Expatriate Writing Goethe Institute, Sydney, Australia, July 20-23, 2006

Natasha Kolchevska, Lecture on academic exchange possibilities at the University of Russian Academy of Education, Nizhny Novgorod Branch, July 2006

----------. Co-organizer, "Beyond *Little Vera*: Women's Bodies; Women's Welfare in Russian and Central/Eastern Europe." Association for Women in Slavic Studies 3rd Biennial conference, Ohio State University, Columbus, OH, April 26-27, 2007

Joseph McAlhany, "In memoria bonorum: Language and Memory in Varro's Literary Monuments." Orality and Literacy in the Ancient World VII Conference, Auckland, New Zealand, July 4-8, 2006

----------. "Sertorius and the Isles of the Blessed." Classical Association of the Middle West and South: Southern Section 86th Annual Meeting, Memphis, TN, November 1–4, 2006

Carmen Nocentelli, " Fashioning the Body Natural: John Bulwer's Anthropo-metamorphosis." 2007 annual meeting of the Renaissance Society of America, Miami, FL, March 22-24, 2007

Walter Putnam, " Comment peut-on etre girafe: le devenir-animal chez Marie Nimier" Imaginaires nomades et espaces transnationaux en Europe." Universite de Cergy-Pontoise, Paris, France, December 7-8, 2006

Katrin Schroeter, " Zur Vorstellung des Terrors – Die RAF Ausstellung." Rocky Mountain Modern Language Association 2006 Convention Tucson, AZ, October 11-14, 2006

Warren Smith, "Eumolpus the Poet." International conference on Readers and Writers in the Ancient Novel, University of Crete, Rethymnon, Crete, May 21-22, 2007

Raji Vallury, "Writing through the Walls of the Political: Deleuze, Ranciere & Virginia Woolf." Conference on L'impersonnel en Literature, Paris, France, March 9-10, 2007

Awards and Grants:

- **Susanne Baackmann** used an award of $5500 received the previous year from the DAAD to organize a conference on Modernism-Fascism-Postmodernism in September 2006. Prof. Baackmann was also a co-recipient (along with Prof. David Carven from the Dept. of Art History) of the prestigious 2007 Rudolf Arnheim professorship at Humboldt University in Berlin, where she lectured on art history and cultural studies and worked on her book, *Memories of War, Wars of Memory.*
- **Natasha Kolchevska** (together with co-PI Angela Brintlinger), received a $9000 grant from the Ohio State University to organize a conference, "Beyond Little

Vera: Women's Bodies, Women's Welfare in Russia and Central/Eastern Europe," and to publish a conference proceedings.

- **Carmen Nocentelli** used two awards granted in the previous year to conduct research. In spring 2007 she was a Meyers Fellow at the Huntington Library in San Marino, CA, which followed a research stint at the Newberry Library in Chicago in the fall of 2006.

- **Warren Smith** received a RAC grant $4000 to conduct book research during his sabbatical at the Hardt Foundation near Geneva, Switzerland. His new book will address the topic of "Authors' Intrusions in Classical Narrative."

Teaching:

The Department of FLL taught a full range of undergraduate and graduate courses, graduating 56 undergraduates in six different language programs. In addition, eight MA degrees were awarded.

During the spring semester, 2007, Prof. Barry Powell, Halls-Balscom Emeritus Professor of Classics, U. of Wisconsin, was a guest faculty member spring 2007. In addition to teaching a course on Greek civilization, he introduced a new course on Egyptian Civilization.

In March 2007, Dr. Marina Peters-Newell organized Language Expo 2007, a day-long outreach effort for high school students that attracted over 600 students from the city and the state.

Overall enrollments were slightly down (about 2.5%) for AY 2006/07. This can largely be attributed to the fact that we taught fewer courses in the department because of sabbatical and LWOP's.

2007 German Summer School:

In 2007, the German Summer School at the Taos Ski Valley was directed by Prof. Katrin Schroeter. This 32nd annual session of the summer program went from June 19 to July 20, 2007. This year, 25 undergraduates, 14 graduates and 5 high school teachers attended the School, as well as three teaching assistants. One of the high school teachers successfully passed his MA exam while at the school. At the end of the summer session, 30 students took appropriate German assessment exams and all but one passed. The majority of the students came from UNM (18), California (10), and Texas (8). The rest came from other US states (AZ, CT, IL, ND, NY, and PA) and there was also one student from Latvia.

As a result of an agreement between UNM and Cal State Long Beach, in 2007 there were three full-time faculty anchoring the program, which greatly facilitated and enhanced the smooth and efficient running of the program. They were joined by four half-time faculty from the St. Edwards University, St. Xavier University, University of Minnesota, and Vienna. This year's main topic was "Utopia and Reality in the German-Speaking World". Classes in history, culture, literature, lyrics, and pedagogy all used this general theme as a reference point. A guest lecturer from the Goethe Institute also gave an intensive 4-day pedagogy workshop.

In addition to support from UNM, the German Summer School receives substantial grant money from the Goethe Institute, the Max Kade Foundation, and the Austrian Cultural Forum. As a result of longstanding partnerships, businesses in the Taos

Ski Valley have also provided unfailing support for the program. By deftly combining all of these resources, the GSS has again stayed within its budget for the session.

On-campus service to the profession:

Faculty served on various interdisciplinary committees at UNM: Lindsey and Brau served on the International Studies Institute's steering committee, representing Russian and Asian Studies, respectively; Kolchevska completed a two-year term on the executive board of the FRI. Bishop served on the African-American Studies advisory board.

Pamela Cheek completed a four-year term as the director of the interdisciplinary program in Comparative Literature and Cultural Studies. In 2006/07, the CL/CS program hosted a well-attended series of six lectures on topics ranging from the "Literary Imagination" to "The Curious Persistence of Lesbian Studies." The Russian Studies program hosted a year-long series of lectures on post-Soviet society in Russia and Eastern Europe that included, among others, Fulbright scholars, academics, and popular authors.

In addition to the CL/CS series, FLL co-sponsored a number of events and series on the UNM campus, including the International Studies Institute's interdisciplinary lecture series on globalization and the interdisciplinary conference, Modernism-Fascism-Post-Fascism, both held in September 2006. Both conferences national and international speakers.

The Classics faculty, with support from a grant by the Committee for the Promotion of Latin, helped to inaugurate the Philological Society, an on-campus student club for students interested in ancient languages.

Finally, Katja Schroeter served as a referee for UNM's Research and Creativity Symposium in fall 2006.

Off-campus service to the profession:

Steve Bishop reviewed an article for a Francophone Studies journal.

Natasha Kolchevska completed her two-year tenure as President of American Women in Slavic Studies and served as an outside reviewer for a book manuscript for Wisconsin UP.

Walter Putnam continued his service on the editorial committee for the *Bulletin of the Friends of Andre Gide* and to serve as an evaluator for P/T cases at other institutions.

Katja Schroeter organized two panels at the Rocky Mountain MLA.

Warren Smith served as an outside reviewer for a book manuscript for Ohio State UP and reviewed an article for *The Chaucer* Review.

Student news:

Graduate:

Dana Reinhardt, MA candidate in German, was selected was one of UNM's top 7 teaching assistants and awarded the Susan Deese Roberts Outstanding TA Award for 2007. Ms. Reinhardt teaches Intermediate German.

In March 2007, eight graduate students participated in a graduate student symposium at which they presented the results of their master's thesis work before an audience of 30 faculty members and students.

Undergraduate:

Lucas Townsend (undergraduate in Russian), received two scholarships, from the American Council of Teachers of Russian and a Gilman fellowship, to spend AY 2007-08 studying in Vladimir, Russia.

Eulogio Crespin (Russian Studies, 2007) was selected as a 2007 Post-Secondary Russian Scholar Laureate by the American Council of Teachers of Russian.

Four FLL students—Brian Aitchison and James Stotts (both in Russian), Amy Cook (Languages) and Carl Young (Classics) graduated in 2006-07 with Departmental Honors.

In Spring, 2007, German faculty in FLL hosted a delegation from the Federal Bundestag visiting New Mexico to assess the condition of German student exchange programs.

Outreach:

- On 3 March 2007, c. 600 high students from around the state attended the Language Expo organized by FLL
- FLL provided financial and mentoring support for the UNM World Affairs Delegation, which participated in the Harvard World Model United Nations conference in Geneva, Switzerland in spring 2007 and returned with three awards for excellence in diplomacy.
- FLL actively participated in various UNM recruiting events such as Choose a Major, Senior Day, etc.

Staff:

Department administrator Gloria Carol left for another position at UNM and was replaced by Evelyn Sanchez-Harris.

New or ongoing initiatives:

- Replacing TT German faculty member; Hiring a new Lecturer in Chinese
- Improving Beginning Language classes by increasing number of contact hours; securing of outside funding for teaching of Less Commonly taught Languages (Japanese, Chinese, Arabic and Russian)
- Creating an interdisciplinary study abroad program in Kazan, Russia
- Creating Confucius Institute on UNM campus
- Strengthening recruitment efforts for FLL graduate programs

Department of Geography
July 1, 2006 to June 30, 2007
Olen Paul Matthews, Chair

Developments During the Academic Year

***Overview*:** The Geography Department has had a year of transition. Two long-time faculty members retired and two new faculty members were hired. In spite of this major transition in a five person department, we maintained our academic, research, and service functions during the year. In fact the number of MS graduates this past year was a Departmental record.

Strategic Planning: During the 2005-06 academic year the Department went through a process of strategic planning. Three outside consultants were brought in to advise us on this process. They were Ken Foote (University of Colorado), Vicky Lawson (University of Washington), and Graham Tobin (University of South Florida). This process identified a new emphasis for the Department. The Geography Department's new direction brings the department into the center of the discipline. The intersection between human geography, physical geography, and geographic information science provides an integrative perspective on a wide variety of important issues facing society. The terms used by geographers for this area of concentration are: nature and society, human/environmental interaction, and resource/environmental management from an applied prospective. The concentration contains elements of regional planning, sustainable societies, sustainable environments, human ecology, environmental perception, conflicts between society and the environment, and the challenges of globalization, marginality, and disparity. Included in the concentration is the strength provided by the sub-field of Geographic Information Sciences (GI Sciences). The Department also developed a set of 10 goals:

1. Provide leadership in developing a vision for geospatial technologies and GI Science at UNM.
2. Provide leadership in the development of GI Science across campus, especially in places where it is under-utilized such as the social sciences and business.
3. Build bridges to other disciplines within the University.
4. Hire qualified new faculty members specializing in human/environmental interaction (nature and society) and geographic information science.
5. Improve mentoring of new faculty members and graduate students.
6. Refocus curriculum to reflect the department's new area of emphasis as new faculty members are added, and reshape the GI Science curriculum to more accurately reflect campus needs.
7. Maintain a breadth in Geography and GI Science courses as a basic service function for the University and College.
8. Increase majors through a revitalized focus.
9. Maintain the MS program.
10. Build more effective relationships with alumni.

***New Mexico Geographic Alliance*:** The New Mexico Geographic Alliance continues its outreach to K-12 teachers in New Mexico. The endowment for the Alliance made it onto the University's legislative priority list, but the funding was unsuccessful. The Alliance continues its operations through a National Geographic emergency maintenance grant.

***Speaker series*:** This year's public lectures were presented on the following topics:

"Community Involvement in Solving Energy Reliability Infrastructure Issues" by Bill Moye, President and Founder, STAR Group, LLC. March 23, 2007.

"Knowing Mars: How the Red Planet Became Arid, Irrigated, and Inhabited in the Late Nineteenth Century" by K. Maria D. Lane, Research Assistant Professor, Department of Geography, University of New Mexico. April 6, 2007.

"A GI Science Perspective on Geocoding: Accuracy, Repeatability, Google-ism and Implications for Geospatial Privacy" by Paul Zandbergen, Assistant Professor, Department of Geography, University of South Florida. April 13, 2007.

"Reading Boulder Dam: Perceptions of Western Resource Management in 1930s America" by K. Maria D. Lane, Research Assistant Professor, Department of Geography, University of New Mexico, April 16, 2007.

"Recent Research in Remote Sensing: A Review" by Sharolyn Anderson, Assistant Professor, Department of Geography, University of Denver. April 25, 2007.

"Differential Impacts: Conceptualizing Disaster and Vulnerability" by Heather Bell, Ph.D. Candidate, Department of Geography, University of South Florida. April 27, 2007.

"Remote Sensing and Wildfires in Ocala National Forest, Florida" by Mary Henry, Assistant Professor, Department of Geography, Miami University. April 30, 2007.

"Tijeras Canyon: Hope for an Endangered Wildlife Linkage" by Kurt Menke, GIS Analyst/Programmer, Earth Data Analysis Center, University of New Mexico. May 4, 2007.

Plans and Recommendations for the Near Future

Program Review: The Geography Department is undergoing program review this year. Rather than go through the traditional review process which looks backward the Department is developing an implementation strategy for the strategic plan. Looking into the past would not be a particularly helpful undertaking in light of the transition in faculty members. The implementation strategy includes a complete curriculum revision, a redesign of the BA, BS, and MS degrees, a new faculty governance document, a new graduate student handbook, and many other items. The review team will be asked to evaluate this strategy before implementation.

New Faculty: The Department is also recruiting a new Assistant Professor this year.

Appointments of Faculty/Staff

The Department added Paul Zandbergen as a tenured Associate Professor. Dr. Zandbergen has a specialty in GIScience. Maria Lane, Assistant Professor, was also added. Her specialization as a geographer is in the history of science and cartographic representation.

Separations of Faculty/Staff

Two separations occurred this past year: Stan Morain (Professor) who resigned his tenure position, and Jerry Williams (Associate Professor) who retired. Both stepped down from their tenure positions at the end of the spring semester. Dr. Morain will continue as EDAC director for another year and has an appointment as a Research Professor in the Department.

Publications of the Faculty

Cullen

"Factors Influencing Corporate Equality," *Papers of the Applied Geography Conference,* Vol 29, pp. 370-379 (2007).

"The Impact of Two Disasters: A Comparison of the Los Alamos Fire and the North Carolina Flood," Issues in Geographical Marginality (chapter in e-book) (2006).

Lane

Lane, K. Maria D. (submitted, forthcoming 2008) "Astronomers at Altitude: Mountain Geography and the Cultivation of Scientific Legitimacy," in High Places: Cultural Geographies of Mountains and Ice, eds. Denis Cosgrove and Veronica della Dora (I.B. Tauris Publishers) (January 2007).

Lane, K. Maria D. (2007) Review of Robert Markley, Dying Planet: Mars in Science and the Imagination. (Durham: Duke University Press, 2005), Isis, 97: 772-773 (December 2006).

Lane, K. Maria D. "Mapping the Mars Canal Mania: Cartographic Projection and the Creation of a Popular Icon," Imago Mundi: The International Journal for the History of Cartography, 58: 198-211 (July 2006).

Matthews

Matthews, Olen Paul, and Dan St. Germaine, "Boundaries and Transboundary Water Conflicts ," Journal of Water Resources Planning and Management, Vol. 133, pp.386 – 396 (2007).

Matthews, Olen Paul and Michael Pease, "The Commerce Clause, Interstate Compacts, and Marketing Water across State Boundaries," Natural Resources Journal, Vol. 46: 3, pp. 601 – 656 (2006).

Zandbergen

Zandbergen, P.A. "Influence of Geocoding Quality on Environmental Exposure Assessment of Children Living Near High Traffic Roads," BMC Public Health, 7:37 (2007).

Zandbergen, P.A. and T.C. Hart. "Reducing Housing Options for Convicted Sex Offenders: Investigating the Impact of Residency Restriction Laws Using GIS," Justice Research and Policy, 8:1-24 (2006).

Zandbergen, P.A. and J. Chakraborty. "Improving Environmental Exposure Analysis Using Cumulative Distribution Functions and Individual Geocoding," International Journal of Health Geographics, 5:23 (2006).

Zandbergen, P.A. "The Effect of Cell Resolution on Depressions in Digital Elevation Models. Applied GIS," 2(1): 04.1-04.35 (2006).

Outside Professional Activities

Cullen

Presentations:

"Increasing Equality for Sexual Minorities in the American Workplace," Meeting of the Commission On Evolving Issues of Geographical Marginality in the Early 21st Century, Dunedin, New Zealand.

"Factors Influencing Corporate Equality," Applied Geography Conference, Tampa, Florida.

"'Out' Business Owners," Meeting of the Association of American Geographers, San Francisco, California.

"Homophobia and Heterosexism: A Global Analysis," Invited lecture, Feminist Research Institute, Albuquerque, New Mexico.

International:

Steering Committee, Commission On Evolving Issues of Geographical Marginality in the Early 21st Century.

Editorial Board: Scottish Geographer

National:

Board of Directors, Applied Geography Conferences.

Member, AAG Committee on Affirmative Action and Minority Status.

Judge, Student Poster Competition, Applied Geography Conferences.

Reviewer: Southwest Geographer, Southeastern Geographer, Papers of the Applied Geography Conference

Regional:

Editorial Board, Southwestern Geographer

Lane

Presentations:

"Reading Boulder Dam: Perceptions of Western Resource Management in 1930s America." University of New Mexico, Department of Geography. April 2007.

"Knowing Mars: How the Red Planet Became Arid, Irrigated, and Inhabited in the Late Nineteenth Century," University of New Mexico, Department of Geography. April 2007.

"High Science: Men, Mountains, and the Mapping of Mars." Annual Meeting of the Association of American Geographers. San Francisco, CA. April 2007.

"Knowing Mars: How the Red Planet Became Arid, Irrigated, and Inhabited in the Late Nineteenth Century," University of New Mexico, University Honors Program. February 2007.

"Creating Landscape, Contesting National Identity: Popular Narrations of Boulder Dam in 1930s America." Annual Meeting of the Southwest / Texas Popular Culture and American Culture Associations. Albuquerque, NM: February 14, 2007.

"High Science: Mountain Geography in Astronomical Debates." Annual Meeting of the Southwestern Division, Association of American Geographers. Norman, OK. October 2006.

Awards:

Derek Price / Rod Webster Prize (best Isis article, last 3 years), History of Science Society. November 2006.

Matthews

Presentations:

Are Water Rights Sacred, or Can they be Regulated without an Unconstitutional "Takings"? AAG Annual Conference, San Francisco, CA (2007).

The Real Water Wars, Invited Paper, The University of North Texas Geography Colloquium (2006).

The Commerce Clause, Navigation and Federal Power over Water, Southwest AAG, Norman OK (2006).

When is water really land? Should it be? Applied Geography Conference, Tampa FL. (2006).

The Dominant Water Estate, UCOWR Annual Conference, Santa Fe NM (2006).

National Service:

Chair – Scientific Freedom and Responsibility Committee, Association of American (2006 - 2009)

Association of American Geographers, Endowment Trust Committee (2005 – 2007).

Model State Water Code Task Committee Member, American Society of Civil Engineers (2007).

Shared Use of Transboundary Water Resources Task Committee, American Society of Civil Engineers (2007).

Water Regulatory Standards Committee, American Society of Civil Engineers (2007).

Zandbergen

Presentations:

Zandbergen, P.A. 2006. Accuracy considerations in the use of digital elevation models for coastal vulnerability assessment. URISA Caribbean GIS Conference, October 29 – November 2, 2006. Nassau, Bahamas.

Bennett, M. and P.A. Zandbergen. 2006. Examining the effect of road class on vehicle-caused Florida black bear mortalities using GIS. Applied Geography Conference, October 11 – 14, 2006. Tampa, FL.

Meyer, C. and P.A. Zandbergen, 2006. Determining fractal dimension for DEMS in North Carolina, USA. ESRI International User Conference, August 7 – 11, 2006. San Diego, CA.

Reviewer for the Following Journals:

American Journal of Epidemiology

Applied GIS

International Journal of Health Geographics

Reviewer for the Following Funding Agencies:

National Science Foundation (NSF)

Outside Sponsored Research

Lane

"Geographies of Mars: Science, Site and Sensation," Research Publication Grant, $6,000 AAUW Educational Foundation, American Fellowships (Summer 2007).

Matthews

Matthews, Olen Paul, Eagle Vision Extension, NSF $40,000 (2007)

Matthews, Olen Paul, PI. with Kim Seidler, New Mexico Geographic Alliance Maintenance Grant, National Geographic Society, $50,000 (2005 - 07).

Chermak, Janie M. PI., Olen Paul Matthews et al. Investigators, "Fully Integrated System Dynamics Toolbox for Water Resources Planning," Sandia National Laboratories, $240,000 (2003 – 2006).

Matthews, Olen Paul, PI on Subcontract. "Eagle Vision: *Employing Geographic Information Technologies in Indian Schools and Communities,"* NSF Information Technology Experiences for Students and Teachers Program (ITEST), Comprehensive Projects for Students and Teachers. Subcontract for $192,000 (2004 – 2007).

Zandbergen

Hillsborough County Traffic Management Division. "Effective Use of GIS in Transportation Management." Principal Investigator, $32,000 (2004 – 2007).

National Institutes of Health – National Institute of Alcohol Abuse and Alcoholism (NIH/NIAAA). "Determinants and Consequences of Alcohol Consumption." Co-Principal Investigator with Gabriel Picone (Economics, USF), $225,967 (2005 – 2009)

Canadian International Development Agency. "Capacity Building of Civil Society in Water Resources Management in São Paulo State, Brazil." Co-Principal Investigator with Ellie Perkins, York University. $750,000 (Canadian) (2002-2008)

Florida Children's Justice Act Task Force and Florida Department of Health (Federal Flow from Administration for Children and Families). "Child Abuse Death Review - Perpetrator Risk Factor Study." Co-Principal Investigator with Ilene Berson (Florida Mental Health Institute, Child and Family Studies, USF), Mary Kershaw (FMHI/CFS, USF), Svetlana Yampolskaya (FMHI/CFS, USF) and Nancy Lemrow (FMHI/CFS, USF), $129,687 (2005 – 2006)

CAS Faculty Research and Development Grant. "Quality of Geocoding of Socio-economic, Health and Environmental Data Using GIS." Principal Investigator, $1,000 (2005 – 2006)

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Department of History

Annual Report, 1 July 2006—30 June 2007

By: Patricia Risso, Chair

Although it occurred three weeks after the end of the fiscal year, the death of a colleague, Associate Professor Timothy Moy, on 22 July 2007, clouds my view of everything else that happened, as I'm sure it does for everyone in the department. I wish to mark his death in this annual report, because it is impossible for me not to. Tim drowned while successfully rescuing his twelve-year old son, Luke, in the Hawaiian surf. He is survived also by his wife Rebecca Ullrich, also an historian and dear friend to several members of this department. A UNM endowment has been started for the Timothy Moy Teaching Fellowship to be awarded in the future, annually, to an outstanding Graduate Teaching Assistant. Professor Moy was responsible for beginning our successful GTA program, whereby graduate students take responsibility for discussion sections of large survey classes.

1. Significant developments during the academic year

During the previous fiscal year, Department of History faculty and advanced graduate students excelled as they always do in teaching, research, and service. Several have won prestigious awards. Paul Andrew Hutton was promoted to the rank of Distinguished Professor. He also delivered the prestigious Calvin Horn Lecture on the topic of Kit Carson, and organized an extensive exhibit on Billy the Kid at the Albuquerque Museum of Art and History. Regents Professor Ferenc Szasz was named as the first recipient of the Marjorie and William Chambers Faculty Award for excellence in research and teaching. The endowment funding that generates the award has been matched by the State of New Mexico. Professor Szasz's latest book appeared in early 2006, a collection of essays under the title *Larger than Life: New Mexico in the Twentieth Century*, UNM Press.

A sampling of the accomplishments of other faculty members: Jennifer Nez Denetdale received tenure and promotion to the rank of Associate Professor. Professor Linda Hall is serving as 2007 President of the Pacific Coast Branch of the American History Association. Associate Professor Sam Truett won The Western History Association's Bolton-Kinnard Award for the best article on Spanish borderlands history for his, "Epics of a Great America: Herbert Eugene Bolton's Quest for a Transnational American History." Assistant Professor Jason Scott Smith won the Abel Wolman Award for his book, *Building New Deal Liberalism,* as the best recent book in the field of public works history. Professor Margaret Connell-Szasz was elected chair of the University Press Committee, the faculty advisory committee to the UNM Press. In February, 2007, the College of Arts & Sciences selected, college wide, eight graduate student recipients of the Regents Fellowship; three were from our department: Lincoln Bramwell, Kimberley Klimek, and Bradley Shreve.

The department houses two interdisciplinary units. One is the International Studies Institute (Director, Associate Professor Melissa Bokovoy), that presented its annual lecture series in September, 2006 on the important topic of "Globalization." The

other is the Institute for Medieval Studies (Director, Associate Professor Timothy Graham).The Institute chose for its annual lecture series in March 2007 "A Medieval Miscellany" drawing largely on its own UNM faculty to speak about their research interests. The *New Mexico Historical Review* is also housed in the department, under the editorship of Associate Professor Durwood Ball .The *Review* received the 2007 Heritage Preservation Award of the State Historian for Excellence in New Mexico Heritage Scholarship. One of the *Review's* articles won the prestigious Everhart Award in early 2007. The department is also home to the executive office of the Western Writers of America, with Distinguished Professor Paul Hutton as director.

Ruth Horn, widow of Calvin Horn who served many years in the state house and senate, donated $50,000 to the C. Ruth Horn and Calvin P. Horn Endowment Fund to ensure the future success of the Horn Lecture Series. The Center for the Southwest (Acting Director Cathleen Cahill for Director, Professor Virginia Scharff), in conjunction with the College of Arts & Sciences Development Office (Sachiko Isobe, at the time Director), were responsible for securing this generous gift. The Center also partnered in a large Department of Education grant to Albuquerque Public Schools to work with teachers on how to approach American history from the southwest perspective.

2. Significant plans and recommendations for the near future

We are in the first year of implementing our new PhD program, and look forward to student feedback. One of the elements of that new program is a new required graduate course, Advanced Historiography, which Associate Professor Judy Bieber is teaching.

We are in the midst of two searches, one for an historian of 19th c. US History, with with expertise in Antebellum and Civil War eras. This position will greatly enhance our US offerings at both the undergraduate and graduate levels. The second search is in any period of Russian History, with a preference for someone who also has expertise in Central Asia. This position will strengthen not only the department's Europe section, but will also bolster the European and Russian Studies Programs, which are part of the International Studies Institute mentioned earlier. Our next hiring plan is likely to have at the top a replacement for Tim Moy, in the History of Science and Technology. Our pre-existing priority was for a medievalist with a specialty in the Mediterranean region, which will enhance the Europe section and the programs of the Institute for Medieval Studies.

Out next major challenge is the Academic Program Review, part of UNM's reaccreditation process. We officially begin our self study in Fall 2008. We are also hoping successfully to comply with outcomes assessment policies.

3. Appointments to faculty/staff

For the first time that anyone can remember, we hired a two-year post-doctoral instructor, Caleb Richardson (PhD Stanford 2006), whose specialty is British/Irish History. His wife was recently hired by UNM School of Medicine's Department of Neurosciences.

4. Separation of faculty/staff

Timothy Moy, deceased.

5. Publications by History faculty members in the 2006 calendar year

Ball, L. Durwood
Book review: R. Eli Paul, *Blue Water Creek and the First Sioux War, 1854—1856,* in *Journal of American History* (2006), pp. 529—230.

Bieber, Judy
Online article: "Of Cannibals and Frenchmen: the production of ethnographic knowledge in early nineteenth-century Brazil" Interletras: Revista Transdiscilinar de letras, educaçã e cultura (UNIGRAN-MS, Dourados)1, 5 (jul.-dec. 2006). http://www.interletras.com.br/ 21 pages.
Book review: Alida C. Metcalf, *Family and Frontier in Colonial Brazil: Santana de Parnaiba, 1580—1822,* in *The Historian* (Winter, 2006), pp. 837—838.

Bokovoy, Melissa
Book chapter: "Kosovo maidens: Serbian Women Commemorating the Wars of National Liberation, 1912001918," in Nancy Wingfield and Maria Bucur, eds., *Women and War in Twentieth Century Eastern Europe* (Bloomington: Indiana University Press, 2006), pp. 157—171.

Cahill, Cathleen D.
Book review: David W. Daily, *Battle for the BIA: G. E. E. Lindquist and the Missionary Crusade against John Collier*, in *The Journal of Religion*, April 2006, pp. 313—314.

Connell-Szasz, Margaret
Book chapter: "Through a Wide-Angle Lens: Acquiring and Maintaining Power, Position and Knowledge through Boarding Schools," in Clifford E. Trafzer, Jean A. Keller, and Lorene Sisquoc, eds. *Boarding School Blues* (Lincoln: University of Nebraska Press, 2006), pp. 187—201.
Book review: Edwin L. Chalcraft, *Assimilation's Agent: My Life as a Superintendent in the Indian Boarding School System*, edited by Gary C. Collins, in *Oregon Historical Quarterly* v. 105 (no. 2 Spring 2006), pp. 338—339.

Denetdale, Jennifer
Book chapter: "Remembering Out Grandmothers: Navajo Women and the Power of Oral Tradition," in Nomlungelo I. Goduka and Julian Kunnie, eds., Indigenous Peoples" Wisdom and Power: Affirming Our Knowledge Through Narratives (London: Ashgate Press, 2006), pp. 78—94.
Article: "Chairmen, Presidents, and Princesses: The Navajo Nation, Gender, and the Politics of Tradition," in *Wicazo Sa Review* 21:1 (Spring 2006), pp. 9-44.

Ferguson, Eliza
Article: "Judicial Authority and Popular Justice: Crimes of Passion in Fin de Siècle Paris," in *Journal of Social History* 40:2 (Winter 2006), pp. 293—315.

Graham, Timothy C.
Article: "Matthew Parker's Manuscripts: A Study of An Elizabethan Library and Its Use," in Teresa Webber and Elisabeth Leedham-Green, eds., *From the Early Middle Ages until the Civil War* (Cambridge: Cambridge University Press, 2006), vol. I of *The Cambridge History of Libraries in Britain and Ireland.*
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Hall, Linda B.
Book chapter: "Evita Perón:Beauty, Resonance, and Heroism," in Samuel Brunk and Banjamin Fallaw, eds., *Heroes and Hero Cults in Latin America* (Austin: University of Texas Press, 2006), pp. 229—262.
Encyclopedia article: "Mexican Revolution," Vicki L Ruíz and Virginia Sanchez Korral, eds., Latinas in the United States: A Historical Encyclopedia (Bloomington: Indiana University Press, 2006).
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Book review: Elliott Young, *Catarino Garza's Revolution on the Texas-Mexico Border*, in *Western Historical Quarterly* (Summer, 2006), pp. 234—235.
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Hutchison, Elizabeth
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McLoughlin, Nancy
Book chapter: "Jean Gerson as Secular Priest and University Master," in Brian Patrick McGuire, ed., *A Companion to Jean Gerson* (Leiden: Brill Academic Publishers, 2006) pp. 249—291.

Moy, Timothy
Book review: David E. Johnson, *Review of fast Tanks and Heavy Bombers*, in *Technology and Culture* 47, no. 1 (2006), pp. 242—244.

Porter, Jonathan
Book chapter: "The Culture of Patronage in Early Nineteenth-Century China: Ruan Yuan's Circle at Canton," in Joseph Easherick, Wen-hsin, and Madelaine Selin, eds., *Empire, Nation, and Beyond: Chinese History in Late Imperial and Modern Times* (Berkeley: Insititute for East Asian Studies, China Research Monograph 61, 2006), pp. 212—230.

Radding, Cynthia
Book chapter: "Etnicidades transcuturadas bajo el coloniaje: los símbolos espirituales, el lendguaje, y los conflictos de poder dentro de las reducciones de Chiquitos," in Isabelle Combès, ed., *Definiciones étnicas, organización social y estrategias políticas en el Chaco y la Chiquitanía* (Santa Cruz de la Sierra, Bolivia: Editorial El País, Servicio Holandés de Cooperación al Desarrollo-SNV, Bolivia, 2006), pp. 81—107.

Reyes, Bárbara O.
Encyclopedia article: "Eulalia Callis de Fages," in Vicki L Ruíz and Virginia Sanchez Korral, eds., Latinas in the United States: A Historical Encyclopedia (Bloomington: Indiana University Press, 2006).
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Encyclopedia article: "Eulalia Perez," in Vicki L Ruíz and Virginia Sanchez Korral, eds., Latinas in the United States: A Historical Encyclopedia (Bloomington: Indiana University Press, 2006).

Sanabria, Enrique
Review essay: Charles J. Esdaile, *Fighting Napoleon: Guerrillas, Bandits, and Adventureres in Spain, 1808—1814* and *The Peninsular War: New History, in Journal of Modern History*, 78, no. 2 (June, 2006), pp. 522—523.
Book review: John Edwards, *Ferdinand and Isabella,* in *Choice,* 43, no. 6 (February, 2006), p. 1081.
Book review: Cristián A. Roa-de-la-Carrera, *Histories of infamy: Franciso López de Gómara and the ethics of Spanish imperialism*, in *Choice,* 44, no. 3 (November, 2006), p. 543.

Sandoval-Strausz, Andrew K.
Book review: Barbara Young Welke, *Recasting American Liberty: Gender, Race, Law and the Railroad Revolution, 1865—1920*, in *Law and History Review* 24 (2006), pp. 344—345.

Scharff, Virginia
Novel: *Hello, Stranger* (New York: HarperCollins, 2006).
Online essay: "Women of the West," *History Now* 9 (September, 2006). http://www.historynoworg/09_2006/index.html
Online essay: "Her Name it Was Nothing: A Lament for a Woman We Will Never Know," *Convergence*, (Winter, 2006), pp. 14—17.

Sizgorich, Thomas
Book chapter: " 'The Sword Scrapes Away Sin': Ascetic Praxis and Communal Boundaries in Late Antigue Islam," in Elizabeth DePalma Digeser and Robert Frakes, eds., *Religious Identity in Late Antiquity* (Toronto: Edgar Kent/University of Toronto Press, 2006), pp. 192—227 continues...
Book chapter: "Reasoned Violence and Shifty Frontiers: Shared Victory in the Late Roman East," in H. A. Drake, ed., Violence in Late Antiquity: Perceptions and Practices (Aldershot: Ashgate, 2006), pp. 165—174.

Smith, Jason Scott
Book (monograph): *Building New Deal Liberalism: The Political Economy of Public Works, 1933—1956* (New York: Cambridge University Press, 2006).
Book review: Elliott A. Rosen, *Roosevelt, the Great Depression, and the Economics of Recovery*, in *Business History Review*, vol. 80 no. 3 (Autumn, 2006), pp. 567—569.
Online book review: Elizabeth Borgwardt, *A New Deal for the World: America's Vision for Human Rights*, in *Journal of Colonialism and Colonial History*, vol. 7 no. 3 (Winter, 2006), 1330 words. http://muse.jhu.edu.libproxy.unm.edu/journals/journal of colonialism and colonial history/v007/7.3smith.html

Szasz, Ferenc
Book (collection of essays): *Larger than Life: New Mexico in the Twentieth Century* (Albuquerque: University of New Mexico Press, 2006).
Book essay: "History," in Tom Quirk and Gary Scharnhorst, eds., *American History Through Literature, 1870—1920* (Detroit: Charles Scribner's Sons, An Imprint of Thomson Gale, 2006), pp. 454—462.
Online essay: "The Forgotten Connections Between Abraham Lincoln and Robert Burns," The Scottish Executive, http://friendsof Scotland.whitepapers.com May 22, 2005, 3 pages.
Article: "A New Mexican 'Davy Crockett': Walt Disney's Version of the Life and Legend of Elfego Baca," in *Journal of the Southwest* (Autumn, 2006), pp. 261—274.
Book review: J. W. Shenk, *Lincoln's Melancholy: how depression challenged a president and fueled his greatness*, in *Choice*, (April, 2006), 190 words.
Book review: Robert J. Torrez, *UFO's Over Galisteo and Other Stories of New Mexico's History*, in *New Mexico Historical Review*, v. 81 (Spring, 2006), pp. 203—204.
Book review: S. Sparks, *Raccoon John Smith: Frontier Kentucky's most famous preacher*, in Choice (May, 2006), 190 words.

continues....

Dual book review: J. Marschner, *California's Arab Americans* and Marc Dollinger and Ava F. Kahn., eds., *California Jews*, in *California History*, 83 (2006), pp. 68—69.
Book review: T. Kerstetter, *God's Country, Uncle Sam's Land: faith and conflict in the American West*, in *Choice* (July, 2006), 190 words.
Book review: R. Bray, *Peter Cartwright, Legendary Frontier Preacher*, in *Choice* (March, 2006), 190 words.
Book review: K. S. Hasson, *The Right to be Wrong: ending the culture war over religion in America*, in *Choice* (March, 2006), 190 words.

Truett, Samuel
Book (monograph): *Fugitive Landscapes: The Forgotten History of the U.S.-Mexico Borderlands* (New Haven: Yale University Press, 2006).
Book review: Gerald D. Saxon and William B. Taylor, eds., *Narrative of the Texan Santa Fé Expedition*, in the *New Mexico Historical Review*, 81 (Summer 2006), pp. 348—349.

Yazawa, Melvin
Article: "Chasing Shadows: Children and the Transformation of Authority in the Americas," in *The William and Mary Quarterly* 63 (2006), pp. 587—597.

6. Outside professional activities of staff members
not applicable

7. Outside sponsored research (for 2006 calendar year)

Melissa Bokovoy. Woodrow Wilson Center Fellow for International Scholars, Residential Research Fellowship (Fall 05—**Spring 06**)

Thomas Sizgorich. National Endowment for the Humanities Summer 2006 Seminar Grant, Rome; National Endowment for the Humanities Summer 2006 Seminar Grant, Cambridge (declined)

Latin American Studies Program
Annual Report to the College of Arts & Sciences
July 1, 2006 – June 30, 2007

The Latin American Studies (LAS) Program is an interdisciplinary B.A., M.A., and Ph.D. program that draws upon the course offerings and expertise of 61 faculty affiliates from 7 Colleges/Schools. Both the major and the minor are offered at the undergraduate level. In addition to the stand-alone M.A., the LAS Program also offers five dual degree options that pair the M.A. in LAS with professional degrees in Business Administration (MALAS/MBA), Community & Regional Planning (MALAS/MCRP), Education (MALAS/MALLSS), Law (MALAS/JD), and Nursing (MALAS/MSN).[1] The Ph.D. in LAS is designed to meet the needs of a small number of students whose career goals would be best advanced by an inter-disciplinary doctorate.[2]

The LAS Program is housed within the College of Arts & Sciences, with the Director of LAS reporting directly to the Associate Dean for Faculty of the College of Arts & Sciences. The Interdisciplinary Committee on Latin American Studies (ICLAS) is the faculty governance body of the LAS Program. Eight to ten faculty affiliates and one student representative serve two-year terms (which may be renewed). The LAS Director chairs the committee.

Personnel

With the exception of sabbatical leave in Fall 2005, Kimberly Gauderman—Associate Professor of History—has been the Director since Spring 2005. Amanda Wolfe assists in the day-to-day operation of the program. During the reporting period, Wolfe's position was reclassified from Coordinator of Program Advisement to Academic Program Manager. The reclassification was the culmination of efforts to realign the position's job description with duties currently being performed.

Student Enrollments and Course Offerings

The student body of the LAS Program reflects the demographic diversity that makes our state and university unique. In 2006 – 2007, 37 percent of all LAS students were of Hispanic origin—7 percent higher than the general Hispanic population at UNM. At the graduate level, 35% of our students are Hispanic—a number that is nearly double that of the general graduate student Hispanic population at the university.

During Spring 2007, 30 students pursued the major/minor in LAS. At the graduate level, 5 students were enrolled in the Ph.D. program and 53 students were enrolled in the M.A.

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[1] All M.A. students, including those in dual degree programs, must choose two concentrations of focus from the following: Anthropology, Art History, Brazilian Literature & Culture, Community & Regional Planning, Economics, Gender Studies, History, Human Rights, International Management, Political Science, Religion & Philosophy, Sociology, Southwest Studies, Spanish American Literature, and Spanish Linguistics.

[2] All Ph.D. students must choose a primary and secondary concentration of focus. Primary concentrations include Anthropology, Art History, Brazilian Literature, History, Political Science, Sociology, Spanish American Literature, or Spanish Linguistics. Secondary concentrations include all of the above plus Economics and International Management.

program. Table 1 provides information on enrollments, including a breakdown of dual degree students at the master's level.

Table 1: LAS Program Student Enrollments, Spring 2007

Degree	Number Enrolled
BA	30
MA	22
MALAS/JD	12
MALAS/MALLSS	2
MALAS/MBA	7
MALAS/MCRP	10
MALAS/MSN	0
PhD	5
TOTAL	**88**

As an interdisciplinary program without direct faculty lines, the LAS Program draws on courses offered by departments and LAS faculty affiliates throughout the university, with the majority of courses coming from faculty and departments within the College of Arts & Sciences. Courses must contain at least 50 percent content directly related to Latin America to be included in the undergraduate and graduate curricula of the LAS Program. Twenty different departments (13 of which are housed in the College of Arts & Sciences) offered LAS-related courses during the reporting period. 145 courses were offered at the undergraduate level and 77 courses were offered at the graduate level. Please note, however, that many of the 400-level undergraduate courses were also available for graduate credit. Table 2 provides information on the courses that were offered.

Table 2: LAS-Related Courses from July 1, 2006 – June 30, 2007

Department	Number of Undergraduate Courses	Number of Graduate Courses
Africana Studies	2	0
Anthropology	9	10
Art History	7	11
Biology	1	0
Community & Regional Planning	0	9
Economics	8	1
History	10	10
International Management	6	8
Latin American Studies	2	1
Law	N/A	3
Linguistics	4	0
Media Arts	2	0
Philosophy	1	1
Political Science	6	5
Portuguese	13	8
Public Health	N/A	1
Religious Studies	2	0
Sociology	8	2
Spanish	62	7
University Honors	2	N/A
Total	**145**	**77**

At the end of academic year 2004-2005, the LAS Program received approval for the creation of two special topics courses (LTAM 400 and LTAM 500). They are reflected in Table 2 with the three courses listed for Latin American Studies. Because the LAS Program does not have a directly allocated budget, however, it has been virtually impossible to offer topics courses as we would like. The three courses that were offered this past year were "offered with" courses in other departments. Ideally, LAS would have a recurring budget for course development and buyout of instructors' departmental time for the regular delivery of LTAM 400 and LTAM 500 courses.

Recruitment and Admissions

Undergraduate enrollments remain relatively low. In the year that encompasses this reporting period, the LAS Program examined strategies for increasing the number of majors and minors in LAS. While several initiatives will be implemented in the 2007-2008 academic year, a few efforts were realized in 2006-2007. Hard copy informational materials on all LAS academic programs, including the major and minor, were redesigned in August 2006; and during the 2006-2007 academic year, LAS participated in several on-campus fairs and tabling events.

Applications to the graduate program remained relatively consistent with the previous year. In Spring 2007, LAS received 53 applications (compared to 56 applications in Spring 2006.) Thirty-two applicants were offered admission, and 14 matriculated in August 2007. Two additional students who had sought deferrals in the previous year also matriculated.

We directly compete with a handful of other nationally recognized LAS programs. Of the 18 students who were offered but declined admission to UNM's LAS Program, 12 were offered better funding packages from competing programs such as the University of Texas-Austin, Tulane University, the University of Arizona, the University of Florida, and the University of California-Berkeley.

The limited amount of funding opportunities we have for applicants continues to hinder our abilities to recruit all of the top individuals who are offered admission. Recruitment of outstanding M.A. candidates is not only essential to the overall success of the LAS Program but it is also critical in the support our role as a feeder for disciplinary doctoral programs at UNM. Since August 2006, six graduates of the LAS master's program have been admitted to Ph.D. programs in History, Political Science, and Spanish Linguistics at UNM. Four others have gone on to pursue the Ph.D. outside of UNM.

Faculty Resources, Curriculum Changes, and Academic Program Review

As mentioned earlier, the LAS Program does not have faculty lines. However, faculty retention and hires in key departments across campus impact the strength of the program. LAS benefited from the hire of Kathryn Hochstetler in Political Science, who filled a significant void left by the departure of Kenneth Roberts. At the conclusion of 2006 – 2007, several faculty affiliates retired or left UNM for positions elsewhere: Garth Bawden (Anthropology) retired, Clancy Clements (Spanish & Portuguese) left for Indiana University, Benjamin Goldfrank (Political Science) left for Seton Hall, and Kim Hill (Anthropology) and Ana Magdalena Hurtado (Anthropology) left for Arizona State University. Goldfrank's departure, in particular, will

impact the LAS Program. At the writing of this report, the College of Arts & Sciences has not made a commitment to fill his line, which will result in a paucity of Latinamericanist faculty in a department with a rich tradition of supporting students (both within Political Science and the LAS Program) with a Latin American focus.

Two significant curriculum changes occurred in 2006 – 2007: two new language options were approved at the undergraduate level, allowing LAS majors to pursue Quiche Maya or Quechua to fulfill their language requirements; and an existing concentration—Southwest Studies—at the master's level was approved to be available to not only dual degree students in Nursing but also to all students in the M.A. program. The previous limitation seemed a disservice in light of the increasing demand of LAS graduate students who are interested in immigration, identity, planning, and cultural issues of Latin American populations on both sides of the border. The opportunity to expand the concentration's availability to all LAS master's students not only meets their academic interests but also acknowledges the significance of Southwest Studies to Latin American Studies. While LAS is a program that focuses on foreign area studies, there is no doubt that the issues that emanate from border areas are highly relevant to a comprehensive understanding of the Latin American region.

The LAS Program will undergo its Academic Program Review in Fall 2007. The 2006 – 2007 academic year was spent on the preparation of the unit's self-assessment. As an interdisciplinary program without faculty lines, the burden of the self-assessment fell largely on the two individuals who oversee daily functions of the LAS Program—the LAS Director and the Academic Program Manager. Four faculty affiliates donated their time to review and comment on drafts in preparation of the final document. Since the Director of LAS only receives one course release each semester that barely covers the administrative time required for regular program oversight, it was necessary for the Director to work over the summer to ensure the timely completion of the self-assessment. The College of Arts & Sciences and the Latin American & Iberian Institute (LAII) cost-shared the $6,000 summer SAC for Gauderman.

Advisement

From July through October of 2006, extensive time and energy were spent on the creation of a new website for the LAS Program. Previously, information on the LAS Program was imbedded in the Latin American & Iberian Institute's website which created confusion for prospective and current students who were unclear as to where they should seek personal attention. In addition, it was becoming increasingly difficult to locate LAII staff that could perform frequent but essential updates to LAS-related information. The LAS Academic Program Manager worked with Sterling Coke (Unit IT Support Manager for the College of Arts & Sciences) to design the LAS site. The Academic Program Manager also underwent web maintenance training with the Division of Continuing Education to ensure that LAS could maintain its site with little to no intrusion on Coke's time after "go-live." In late October 2006, the site was launched. In 10 months, the site has received 19,831 hits.

The LAS Program's website provides hyperlinks to all affiliated faculty members' personal homepages, academic degree guidelines, graduate program application information, departmental and university forms for students, information on key deadlines for all students, the program's graduate student handbook, links to related units at UNM, and LAS course guides for

current and recent semesters. All of these features have significantly enhanced advisement and served as a new medium for recruitment of prospective graduate studies. In addition, the site also includes a page dedicated for the Student Organization for Latin American Studies (SOLAS). SOLAS had previously been hosted on the LAII's website, but due to similar problems outlined above, the organization opted to move to the LAS site.

Traditional, intensive advisement has remained constant, and clearer guidelines for graduate students have been developed. All undergraduate students are required to meet with the Academic Program Manager at least once a semester to select courses for the subsequent semester and ensure they are on track for timely graduation. All incoming graduate students are required to attend an orientation and then must meet with the LAS Director and Academic Program Manager to review their interests/concerns and select courses. Graduate students are also required to seek advisement from either the Director or Academic Program Manager no less than once a semester for the duration of their program of study. In addition, by the mid-point of their second semester, all graduate students are required to appoint (via a departmental form) a four-member Committee of Studies (COS), composed of two faculty members from each of the two chosen concentrations. The COS then provides additional advisement as it prepares the student for comprehensive examinations or the thesis. At the conclusion of the semester preceding all students' final semester, students must also submit either a COS-approved reading list (for comprehensive examinations) or COS-approved thesis prospectus (for the thesis). There have been significant improvements to the advising structure for all LAS students since Fall 2005. As a result, the program has observed smoother program completion for students and, in some instances, more timely program completion.

Student Support

In 2006 – 2007, many LAS graduate students were the recipients of various forms of support from across campus. The Latin American and Iberian Institute (LAII) holds six graduate assistantships that are earmarked specifically for LAS students (see below for more information). During the reporting period, 5 students received full assistantships and 2 students received half-time assistantships. Another LAS student received the one full assistantship allocated to the program by the College of Arts & Sciences. The LAII was able to award an additional assistantship to an LAS student through grant monies associated with its TICFIA project. The Department of Spanish allocates two teaching assistantships to LAS each year. In addition, 3 other LAS students received teaching assistantships with Spanish through the College's Interdepartmental Competition.

Table 3 shows the full spectrum of funding received by LAS graduate students in 2006 – 2007. As the table demonstrates, several dual degree students benefited from funding from their second program. Other students were the recipients of NM Scholars Awards that had been allocated to LAS. Regrettably, with the timing of NM Scholars Awards allocations and HED availability, these resources cannot be used for recruitment purposes. Only the 7 graduate assistantships (6 from LAII and 1 from College) can be used for recruitment. Since assistantships are typically awarded for a two-year commitment, in any given year we only have three or four available which greatly reduces our recruitment abilities.

Table 3
Funding Status LAS Graduate Students
2006 – 2007

STUDENT	FUNDING SOURCE	AMOUNT
Orlando Andrade	GA: Anderson Schools of Management	$5,000 + .5 tuition
Manuel Burgos	GA: LAII	$11,641 + tuition
Micaela Cadena	Fellowship: Center for Regional Studies	$12,500
Maruja Clensay	Scholarship: New Mexico Scholars/OGS	18 credit hours of tuition
Breanon Cole	Scholarship: Pan American Roundtable	$300
Wendy Courtemanche	TA: Dept. of Spanish	$11,641 + tuition
Seth Doyle	TA: College of Arts & Sciences Interdepartmental	$11,641 + tuition
Kitren Fischer	GA: LAII	$5,820 + tuition
Ivis Garcia	Special GA: LAII	$11,641 + tuition
Mabel Gonzalez	Scholarship: New Mexico Scholars/OGS	18 credit hours of tuition
Jescia Hyland	Scholarship: New Mexico Scholars/OGS	18 credit hours of tuition
Jennifer Jackson	Scholarship: Douglas MacNeil Memorial	$500
Jennifer Jax	GA: LAII Fellowship: Higher Education Department/OGS	$5,820 + tuition $7,200
Jeremy Lehnen	TA: College of Arts & Sciences Interdepartmental	$11,641 + tuition
Megan Martinez	GA: LAII	$11,641 + tuition
Ana Maria Martinez Rodriguez	TA: College of Arts & Sciences Interdepartmental	$11,641 + tuition
Peter Meyer	GA: LAII	$11,641 + tuition
Yvette Morales	GA: LAII Fellowship: Higher Education Department/OGS	$11,641 + tuition $7,200
Corey Moroni	PA: TVI/Anderson Schools of Management	$4,350
Maria Muñoz	GA: College of Arts & Sciences (allocated to LAII for LAS)	$11,641 + tuition
Misty Ring	TA: Dept. of Spanish	$11,641 + tuition
John Paul Schilling	PA: TVI/Anderson Schools of Management	$4,350
Naomi Schwartz	TA: LAII	$6,403 + tuition
Tanya Sewers	GA: LAII	$11,641 + tuition
Aaron Sussman	Scholarship: Williamson Endowment	$500
Stephen Vigil	Fellowship: Center for Regional Studies	$12,500
Jeffrey Welch	Scholarship: New Mexico Scholars/OGS	6 credit hours of tuition

Budget

During the 2006 – 2007 academic year, the LAS Director approached both the Interim Dean and Associate Dean for Faculty of the College of Arts & Sciences about the budget situation faced by the LAS Program. While the program reports to the College, the overwhelming majority of its resources come from the Latin American and Iberian Institute. This is an unusual situation, since the majority of Arts & Sciences programs have their own discretionary budgets. The situation, however, reached a crisis point in late July 2006 when the LAII lost its U.S. Department of Education Title VI grants—the National Resource Center grant and the Foreign Language and Area Studies Fellowships grant—which impacted its ability to support the LAS Program.

Throughout the years, the LAII has provided the following support to the LAS Program: course buyout for the LAS Director, SAC for the LAS Director, salary for the Academic Program Manager, 7 graduate assistantships for LAS students, and modest funding for office supplies and telecommunications. The College of Arts & Sciences has provided one graduate

assistantship for an LAS student. Title VI grants had provided the funds for the LAS Director's course buyout and SAC, one graduate assistantship, office supplies and telecommunications. After several requests were made to the College for assistance in this critical time, the College was able to contribute $8,000 for course buyout.

The crisis situation amplified the urgent need for the LAS Program to have its own recurring budget. The only items in the LAII budget that are legislatively earmarked for LAS are 6 graduate assistantships and the salary for the Academic Program Manager. As a result, the LAS Program is unsure of other available resources from year to year. This makes planning immensely difficult and restricts our ability to develop strategies for course development, student recruitment, career placement, and marketing. In addition, our budgetary limbo makes it impossible to develop incentives to encourage greater faculty involvement (i.e. travel support, course development funds, etc.).

Conclusion

While this report provides a very brief snapshot of the LAS Program for the current reporting period, we welcome the opportunity to share the self-assessment document that encompasses the last decade of LAS. The self-assessment very clearly demonstrates the strength of this program, and shows that LAS is one of the best graduate programs housed within the College of Arts & Sciences (measured by size and number of degrees conferred).

Annual Report
Department of Linguistics
2006-2007
Sherman Wilcox, Professor and Chair

1. Significant developments during Academic Year 2006-2007

Dr. Robert Young, professor emeritus in the Department, pioneer in the linguistic documentation of Navajo, originator of the Navajo writing system, and author (with William Morgan) of the groundbreaking "The Navajo Language: A Grammar and Colloquial Dictionary" passed away on February 20, 2007 at the age of 94.

Through a generous gift from the late Selma Greenberg, the department established the Joseph Greenberg Fellowship Endowment, currently estimated at $1,500,000.

Legislative Priority Proposal submitted to and accepted by UNM administration to expand the Navajo Language Program. Funded by the NM legislature for $175,000.

Undergraduate students Vicki Brown and Brian Rasmussen established the Dr. Phyllis Perrin Wilcox Endowed Scholarship for students in the Signed Language Interpreting Program. An anonymous donor offered to match the first $5000 given prior to June 2007. Currently the endowment has reached approximately $10,000 (not including the donor's match).

Dr. Sherman Wilcox established the department's first study abroad opportunity for students in the B.S. program in Signed Language Interpreting, at the Siena School for Liberal Arts, Siena Italy. Accompanied four students to Siena in June 2007. Program includes studies in Italian Sign Language, spoken Italian, Italian Deaf Culture, and a Service Learning Project in the local deaf community.

Dr. Melissa Axelrod was promoted to Full Professor.

Dr. William Croft was an invited Plenary Lecturer in Bologna Italy, Taipei Taiwan, and Lille France.

Dr. Sherman Wilcox was an invited Plenary Lecturer in Lille France.

Dr. Phyllis Wilcox was an invited speaker at the French Cognitive Linguistics Conference in Lille France.

Dr. Barbara Shaffer presented at the Association for Visual Language Interpreters, Toronto, Canada.

Dr. Caroline Smith presented at the LabPhon conference in Paris, France.

Dr. Sherman Wilcox was awarded the Disability Advisory Group Manager's Award

2. Significant plans and recommendations for the near future

Department is preparing self-study report for Academic Program Review.

Department is initiating Student Outcomes Assessment procedures for courses in the Core Curriculum.

3. Appointments to faculty and staff

Dr. Paul Platero appointed to one-year position in the Navajo Language Program under non-recurring funding provided by the Legislative Priority Proposal.

4. Separations of faculty and staff

None

5. Publications of faculty in Linguistics which appeared in calendar year 2005

Axelrod, Melissa

J. Gómez de García. Fieldnotes from the edge: Collaboration between academics and Native Americans in their speech communities. In T. L. McCarty and O. Zepeda (eds.), One *Voice, Many Voices—Recreating Indigenous Language Communities*, 431-54. Tempe and Tucson: Arizona State University Center for Indian Education, and University of Arizona American Indian Language Development Institute.

Bybee, Joan

Frequency of use and the organization of language. Oxford: Oxford University Press.

From usage to grammar: the mind's response to repetition. *Language* 82, 529-55.

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Evolutionary models and functional-typological theories of language change. *Handbook of the History of English*, Ans van Kemenade and Bettelou Los (eds.), 68-91. Oxford: Blackwell.

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Morford, Jill P.

Review. Gisela Szagun, Wie Sprache entsteht. Spracherwerb bei Kindern mit beeinträchtigtem und normalem Hören. (The emergence of language: Language acquisition by children with impaired and normal hearing.) *Language*, 82 (1), 178-182,

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Wilcox, S. Modality in American Sign Language. In William Frawley (ed.), *The expression of modality*. Berlin: Mouton de Gruyter.

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Travis, Catherine

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The Natural Semantic Metalanguage approach to discourse particles. In Fischer, Kerstin (ed.), *Approaches to discourse particles*, 219-241. Oxford: Elsevier.

Wilcox, Sherman

Shaffer, B. Modality in American Sign Language. In W. Frawley (ed.), *The expression of modality*, 207-237. Berlin: Mouton de Gruyter.

6. Outside professional activities of staff members

Melissa Axelrod
Actively engaged in native language revitalization projects in local New Mexico communities.

William Croft
Editorial Boards, *Cognitive Linguistics, Linguistics, Oxford Studies in Typology and Linguistic Theory, Studies in Language,* and others. Governing Council, Save The Redwoods League

Josephine Santiago
Actively involved in the Registry of Interpreters for the Deaf.

Jill Morford
Visiting Professor, University of Hamburg, Institute for German Sign Language (May-July 2006).

Karen Naughton
Actively involved in local, state, and national deaf community organizations (American Sign Language Teachers Association, National Association for the Deaf, Conference of Interpreter Trainers, Community Outreach Program for the Deaf).

Bonnie Rudy
Actively involved in local, state, and national deaf community organizations (American Sign Language Teachers Association, National Association for the Deaf, Conference of Interpreter Trainers, Community Outreach Program for the Deaf).

Barbara Shaffer
Chair, New Mexico Interpreter Licensure Committee
Linguistic Society of America Political Concerns Committee
Community Outreach Program for the Deaf Advisory Board

Caroline Smith
Organized a symposium entitled "Phonetic variation: what does it mean to speakers and listeners?" at the 2006 Annual Meeting of the Linguistic Society of America

Catherine Travis
Reviewer for many professional book and journal publishers
Member of Linguistic Society of America, International Cognitive Linguistics Association, Australian Linguistic Society

Phyllis Wilcox
Athletic Council NCAA Certification Self-Study: Equity and Student Welfare Subcommittee. Chair, New Mexico Mentoring Board. Actively involved in the Registry of Interpreters for the Deaf.

Sherman Wilcox
Editorial Boards of *Sign Language Studies, Gesture, Annual Review of Cognitive Linguistics.*
Grant reviewer for National Science Foundation, National Institutes for Health, and others.

Nancy Montoya
Actively involved in implementing BANNER modules: Fiscal, students, HR. Served on department administrator hiring committees for Speech and Hearing Sciences, and Philosophy. Member, A&S Staff Development committee, Faculty Hiring Quality Initiative Group.

7. Outside sponsored research

Melissa Axelrod

Nanbé Tewa Language Revitalization, $203,840, National Science Foundation, continuing.

Collaborative Research: Ixil Mayan, $160,000, National Science Foundation, continuing.

Jill Morford

Center for Visual Language and Visual Learning, $581,945, National Science Foundation (5-year grant).

8. Students' professional activities

Graduate students represented UNM Linguistics Department in the Spelling Bee Competition at Reginald Chavez Elementary School. Doctoral student Erin Wilkinson gave a talk to the UNM international group on "Afghanistan: Deaf people and their signed language." Johnelle Waters worked with Alcoholics Anonymous World Services to translate materials into Navajo. Graduate students presented their work on revitalizing the Nanbé language at the Workshop on American Indigeouns Languages conference. Graduate student Clay Beckner began a project on language with the prestigious Santa Fe Institute.

The graduate student organization "High Desert Linguistic Society" sponsored the 7th HDLS conference, November 9-11, 2006.

Fellowships and Awards

Robert Young Scholarship Recipient: Marsheena John

CASL Outstanding Teaching Assistant Award: Erin Wilkinson

Brenda Nicodemus accepted a post-doc position in the Language and Cognition Lab at San Diego State University.

Ana Medina Murillo received a Regents' Fellowship.

Melvatha Chee received a fellowship from the Hibben Foundation for $10,000.

Jalon Begay received a fellowship from the Institute for American Indian Research

Masters Theses

Hien Tran, "Some Problems in Vietnamese-English Dictionaries."

Katy Pieri, "The Role of Native American Women in Language Revitalization in the Southwest United States."

Doctoral Dissertations

Andrew Lavelle, "Metonymy: A Piercean Semiotic Categorization and Typologization in Relation to Other Tropes and Sign Types." Passed with distinction.

Brenda Nicodemus, "The Use of Prosodic Markers to Indicate Utterance Boundaries in American Sign Language Interpretation." Passed with distinction.

9. Undergraduate and Graduate study in the Department of Linguistics

Undergraduate Students 2006-2007

51 students in linguistics. 17 students accepted in the B.S. degree in Signed Language Interpreting. 21 students in University College have declared their intent to major in Linguistics.

Graduate Students 2006-2007

The Department of Linguistics has 19 students in the M.A. program and 19 students in the Ph.D. program. In addition, we have 17 students in the Educational Linguistics Doctoral Program jointly administered with the College of Education.

Admissions 2006-2007: 12 M.A. and 9 Ph.D. students admitted

10. Graduates from the Department of Linguistics

Minor in Navajo Language
1 graduate

Bachelor of Science in Signed Language Interpreting
18 graduates

Bachelor of Arts in Linguistics
12 graduates

Master of Arts in Linguistics
5 graduates

Doctor of Philosophy in Linguistics
2 graduates

Doctor of Philosophy in Educational Linguistics
1 graduate

11. Events sponsored by the Department of Linguistics

Colloquium Series

Morten Christiansen, Cornell University, "Sound advice in language acquisition and processing: The importance of phonology in the acquisition and processing of syntax."

Margaret Flory, Monash University, "Building tools for assessing the vitality of endangered

languages."

William Croft (UNM), Garth Baxter (Victoria University, NZ), R. Blythe (U. of Edinburgh), and A. McKane (U of Manchester UK), "Utterance selection and the emergence of New Zealand English."

Alexandra Aichenvald, La Trobe University, "Causatives which do not 'cause': On some effects of causativizing markers on transitive verbs."

Other Sponsored Workshops

Several workshops sponsored by Arkansas Interpreting Grant

"Building from our Strengths: Giving and Receiving Feedback." Sharon Neumann Solow.

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College of Arts and Sciences

Department of Mathematics and Statistics

Annual Report 2006-2007

Alejandro B. Aceves, Chair

The Department of Mathematics and Statistics continued to meet the demands of its broadly defined missions in education, research, and service during the 2006-2007 academic year.

1. Significant Developments During the Academic Year, 2006-2007

- Including multiple year funding, our research funding was approximately $6,255,426 for 2006-2007; this is a significant increase from $4,209,737 last year.

- Total 21-day enrollment for the AY was 14,705 students, a decrease of 2.6% over the previous AY. There were 7,521students enrolled fall semester, 6,266 students enrolled spring semester, and 918 students enrolled in summer session.

- The Department of Mathematics and Statistics awarded a total of 55 BS degrees, 28 MS degrees, and 1 Ph.D. degree for AY 2006-2007.

- Professor Michael Nakamaye and Lecturer Cathy Gosler continue to promote the UNM Mathematics Contest with permanent funding ($16,000 per year) from the Public Service Company of New Mexico Foundation. Prizes, including books, cash, and scholarships, were awarded at a banquet for contest winners. Jonathan Wolfe, Executive Director of the Fractal Foundation, gave a general interest lecture on "Fractals, Chaos and the Patterns of Nature" in connection with the contest. We took advantage of the statewide high school PNM-UNM Math Contest mailings and sent flyers about our web site to high school teachers. We anticipate that this will help teachers state-wide prepare their students for UNM. Our finals from past years are on our web site so that teachers and students will know what UNM's expectations are.

- We received increased support for the Efroymson Endowed Fellowship and a new endowment gift from the Lee family that will fund an undergraduate scholarship.

2. Significant Plans and Recommendations for the Near Future

- We want to develop a long term sustainable hiring plan and will use the following criteria to implement it: (1) the standing of our programs as reported to A & S in the recent reports of distinction and excellence (2) the involvement of the Department of Mathematics and Statistics in the proposed BA/MD degree in Nanoscience and

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Microsystems, and (3) the relocation of the Department of Mathematics and Statistics in the new Science and Math Learning Center building. These three facets will provide a solid basis for our strategic growth.

3. Appointments to Faculty/Staff

- Irina Vasileva, post-doc, and Greg Turner, Winston Crandall, and Wilfredo Urbina, visiting professors, taught upper-level courses for us this academic year. We had a total of 42 Part-Time Instructors who taught 86 sections in fall 2006, and 31 Part-Time Instructors who taught 61 sections in spring 2007.
- Pavel Lushnikov, Associate Professor of Mathematics, was hired in August 2006.
- Curtis Storlie, Assistant Professor of Statistics, was hired in January 2007.
- Michael Nakamaye was awarded a Presidential Teaching Fellowship.

4. Separations

- Vladimir Koltchinskii, Professor of Statistics and Vakhtang Putkaradze, Associate Professor of Mathematics, submitted their resignations.

Stanly Steinberg, Professor of Mathematics, retired after 31 years in the department.

Jenison Klinger retired after 8 years as the Department Administrator.

5. Faculty Publications and Creative Works

Aceves, Alejandro

T. Dohnal and A. B. Aceves (2006) "A finite dimensional model for defect-trapped light in 2D periodic nonlinear structures" Optics Letters, **13**, 3013-3015.

Bedrick, Edward

Tentori, F., Hunt, W. C., Stidley, C. A., Rohrschieb, M. R., Bedrick, E. J., Meyer, K. B., Johnson, H. K, and Zager, P. Z. (2006). *Mortality Risk Among Hemodyalysis Patients Receiving Different Vitamin D Analogs,* Kidney International, 70, 1858-1865.

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Bedrick, E. J. (2006). *Biserial Correlation Coefficients,* In the Encyclopedia of Measurement and Statistics.

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A. Buium, A differential equation satisfied by the arithmetic Kodaira-Spencer class, J. Number Theory 119 (2006), 297-306.

Christensen, Ronald

Christensen, Ronald (2006). "Comment on Monahan (2006)." *The American Statistician*, 60, 295.

Coutsias, Evangelos

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Ellison, James

Vlasov treatment of coherent synchrotron radiation from arbitrary planar orbits. *Nuclear Inst. and Methods in Physics Research*, A 558(2006) 85-89. R. Warnock, G. Bassi and J. A. Ellison

Adiabatic invariance of spin-orbit motion in accelerators *Phys. Rev. ST Accel. Beams* 9, 014001 (2006) G. H. Hoffstaetter, H. S. Dumas, and J. A. Ellison

Comparison of Three CSR Radiation Powers for Particle Bunches and Line Charges. Published in Proceedings of EPAC 2006, Edinburgh, by the European Physical Society Accelerator Group (EPS-AG) K. Heinemann, G. Bassi, J. A. Ellison.

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Williams, B.J., and Huzurbazar, A.V. (2006). "Posterior Sampling with Constructed Likelihood Functions: An Application to Flowgraph Models". Applied Stochastic Models in Business and Industry, 22(2), 127-137.

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Kitchen, Richard

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Kitchen, R.S., Acosta, J., Civil, M., Marshall, M., Moschkovich, J., & Gutiérrez, R. (2006). Discussion Group: Transnational and Borderland Research Studies in Mathematics Education. In S. Alatorre, S., Cortina, J.L., Sáiz, M., & Méndez, A. (Eds.), Proceedings of the Twenty Eighth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Vol. 1, 99-102. Merida, Mexico: Universidad Pedagógica Nacional.

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time--scales in long--term, high--resolution studies of ocean circulation. *Math. Comp. Modelling*, 44, (2006), pp. 870-886.

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Nitsche, Monika

Holm, D., Nitsche, M. & Putkaradze, V. The alpha-model and the vortex blob model for vortex sheet motion, *J.~Fluid Mech.* **555**, 149--176, 2006.

Nitsche, M. Vortices, in *Encyclopedia of Mathematics and Physics*, ed. J.-P. Francoise, G. L. Naber, T. S. Tsun, Elsevier Science Ltd, 2006.

Steinberg, Stanly

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Sulsky, Deborah

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Umland, Kristin

Reuben Hersh & Kristin Umland. Mathematical Discourse and the Development of Mathematical Thinking. Philosophy of Mathematics Education Journal No. 19 (December 2006)

6. Outside Professional Activities of Staff Members

Donna George, Coordinator of Program Advisement, successfully completed requirements for a Doctor of Philosophy in Health, Physical Education, and Recreation.

Linda Livingston, Department Administrator, graduated from the UNM Management Academy in March 2007.

7. Outside Sponsored Research

UNM Mathematics and Statistics
Active Grants between 7/1/06-6/30/07
Full Funding $ 6,225,426

Investigator	Index Code	Funding Agency	Start Date	End Date	Total Budget
Aceves	869111	ARO	07/10/03	07/09/06	$ 249,999
Aceves	869131	NSF	07/01/05	06/30/08	$ 110,750
Aceves/Physics (Diels)	707252	ARO	11/15/05	11/14/08	$ 485,057
Aceves	869152	NMSU	01/01/07	12/31/09	$ 77,698
Boyer	869132	NSF	07/15/05	06/30/08	$ 215,999
Bulum	869138	NSF(Fermat)	06/01/06	05/31/09	$ 112,100
Ellison	869096	DOE	04/01/02	05/14/08	$ 1,087,758
Hagstrom	869147	NSF	08/01/06	07/31/09	$ 150,000
Hagstrom	869108	ARO	07/14/03	06/13/07	$ 319,999
Huerta	869126	NSF	09/01/04	08/31/08	$ 210,661
Huerta	869149	NCGR	06/15/06	05/15/07	$ 29,737
Kapitula	869109	NSF	06/20/03	07/31/06	$ 134,301
Nitsche	869210	NSF	08/01/03	07/31/08	$ 163,329
Simanca	869144	NSF	06/15/06	05/31/07	$ 25,000
Storlie	869153	Sandia	05/29/07	08/24/07	$ 33,348
Sulsky	869044	NWRA (NASA	05/25/04	08/20/08	$ 240,000
Sulsky	869103	NSF	08/15/02	07/31/06	$ 623,136
Sulsky	869145	NSF	09/01/06	08/31/09	$ 437,256
Umland	869344	La Meta	05/26/04	09/30/07	$ 1,228,306
Umland	869154	La Meta	04/19/07	09/30/08	$ 320,992
Total					**$ 6,255,426**

Institute for Medieval Studies
Annual Report
July 1, 2006 to June 30, 2007

Submitted by Timothy C. Graham, Director, Institute for Medieval Studies

Developments in 2006–2007

The year 2006–2007 saw the Institute offer its twenty-second annual Spring Lecture Series. The Institute continued to publish the *AVISTA Forum Journal*, to sponsor sessions at the International Congress on Medieval Studies, and to partner with local middle and high schools in a peer-mentoring program. It also successfully developed several new initiatives.

The Spring Lecture series took place from Monday, April 2 through Thursday, April 5. Whereas in previous years the event has included a full panel of guest speakers, on this occasion we decided to have just one outside speaker, with core and affiliated faculty offering the other presentations. This plan, necessitated in part by the substantial reduction in the level of the Institute's funding, had the advantage of allowing audience members to learn more about the expertise and interests of our resident faculty. Titled "A Medieval Miscellany," the series covered a diverse range of topics, reflecting the speakers' different areas of expertise. It proved as popular as any recent series, with the seven lectures attracting an overall attendance of at least fifteen hundred. The guest lecturer, who delivered the opening presentation on the Monday evening, was Henry Ansgar Kelly, Distinguished Professor Emeritus at the University of California, Los Angeles, and former Director of UCLA's Center for Medieval and Renaissance Studies. Professor Kelly is the author of numerous books spanning medieval religion and Middle English literature. His lecture topic, "Infernal Ideas: Hell from the Bible On, with Stops in Limbo, Purgatory, and Another Limbo," incorporated research conducted for his latest book, *Satan: A Biography*, published in 2006 by Cambridge University Press. The lecture traced the evolution of descriptions of Hell from the *Sheol* of the Old Testament—the final destination of all souls, but not a place of punishment—to the Hades of the New Testament to the elaborately graded place of torment described in medieval theological writings and, above all, in Dante's *Inferno*. Professor Kelly also analyzed the origin and evolution of the concepts of Purgatory—where souls are purged of their sins and prepared for eternal life—and Limbo—to which theologians assigned those children who died without baptism.

Anne Van Arsdall, Research Associate of the Institute, initiated the second day of the series with her lecture on "New Perspectives in Medieval Medicine." Questioning many of the stereotypes commonly applied to medieval medicine, Dr. Van Arsdall suggested that an objective look at texts such as the Anglo-Saxon Herbals indicated not only the accumulation and transmission of efficacious medical practices but also the formulation of an entire system of healing that merits serious evaluation. The second Tuesday lecture featured Justine Andrews, Assistant Professor of Art History, speaking on "From Contact to Coexistence: Art and the Crusades." Her theme was the Crusader art practiced in the Near East between 1099 (the year in which the armies of the First Crusade conquered Jerusalem) to 1291 (when the Crusaders lost control of the key port of Acre). She demonstrated how the style that was characteristic of Crusader art represented a

fusion of Byzantine, Romanesque, and Gothic traditions with Armenian, Syrian, and Islamic elements.

Wednesday began with Leslie Donovan, Associate Professor within the Honors Program, speaking on "Tolkien as Medievalist." The author of *The Hobbit*, *The Lord of the Rings*, and other works of modern fantasy was in his professional life a distinguished Oxford medievalist, famous above all for his groundbreaking work on the Old English poem *Beowulf* and on key works of Middle English literature. Dr. Donovan recreated the richness of Tolkien's life as an Oxford academic and examined the considerable impact of his work as a medievalist on his fictional writing. The evening lecture by Anita Obermeier, Associate Professor of English, addressed the topic of "Witches and the Myth of the Medieval Burning Times." Dr. Obermeier demonstrated that modern accounts have often grossly overestimated the prevalence of witch persecutions in the Middle Ages—such persecutions were in reality more a feature of the early modern period, reaching their apex between 1560 and 1650. Her lecture included a survey of the ways in which the image of the witch developed between antiquity and the seventeenth century. Her theme was continued the following afternoon with the lecture by Anthony Cárdenas, Professor of Spanish, on "Dickering with the Dickens: Celestina, Before and After," which considered the low incidence of prosecutions of witchcraft by the Spanish Inquisition. Dr. Cárdenas noted the existence of two different terms applied to witches in Spain, *hechicera* and *bruja*—a distinction that does not exist in other European languages—as well as the dual tradition of depicting the devil as either the more popular *Dummteufel* or the more erudite *diabolus imperator*; he then examined literary traditions about the nature of the pact said to be formed between the hag and the devil. Institute Director Timothy Graham brought the series to a close with a presentation on "Books of Hours: Monuments of Medieval Culture." By far the most popular type of book produced during the last three centuries of the Middle Ages, Books of Hours also featured stunning illustration and decoration by the most talented artists of the period. Dr. Graham's lecture described the different textual components that made up the typical Book of Hours and then outlined the schemes of illustration that were adopted for each of these components. He ended with an analysis of the *Très Riches Heures* made between 1412 and 1416 for Jean, Duc de Berry—generally reckoned to be the most sumptuous of all Books of Hours.

In November, the Institute published vol. 16 of the *AVISTA Forum Journal*, an interdisciplinary journal of medieval science and technology that has an international circulation and is edited by Anne Van Arsdall, the Institute's Research Associate. The issue included three articles: David Horvath, "A Novel Reconstruction of the Body Armor from Sutton Hoo: Experimentation with Designs Based on Seventh-Century Pictorial Evidence"; Robert Bork, "The Geometrical Structure of Strasbourg Plan A: A Hypothetical Step-by-Step Reconstruction"; and Daniel H. Miles, "The Salisbury Spire Scaffold Debate Continues." The issue also provided abstracts of papers delivered at the Forty-First International Congress on Medieval Studies held at Western Michigan University, as well as abstracts of thirty-two doctoral dissertations.

The Outreach Fellow for the year was Sarah Baechle, a Master's student completing the English Department's M.A. Concentration in Medieval Studies. Throughout the year, Ms. Baechle reviewed and developed the syllabus for modules to be taught in middle and high school classrooms; during the Fall semester she organized student participation in the teaching of several of the modules. In October, under her direction, two graduate students, Cynthia Fillmore

and Peninah Wolpo, presented the newly developed module on "Medieval Manuscripts" at Rio Grande High School, in a sophomore class on History and Applied Technology. The following week, graduate student Meghan Holmes Worth presented another new module, "The Crusades," to the same class. In November, four students and three faculty participated in the annual Albuquerque Academy Medieval Day, aimed at ninth-graders. This was the highest level of participation since the Academy inaugurated the event in 2003. The topics of presentations included "Desert Monasticism," "The First Crusade," "Chaucer's Canterbury Pilgrims," "J. R. R. Tolkien and the Middle Ages," "Medieval Food," "Medieval Clocks and Chronology," and "Making Medieval Manuscripts." The event was organized by Sidney B. Stockdale, Chair of History at the Academy. Also in November, Ms. Baechle herself presented the new Chaucer module she has developed at El Dorado High School and at La Cueva High School. During the Spring semester, she began to explore with Albuquerque Academy the possibility of offering a three-week course as part of the Academy's 2008 summer school. Amelia Ranney, who will be the Outreach Fellow for 2007–2008, will continue to work on this promising project.

The Institute developed several exciting new initiatives during the year. In the Spring semester, it inaugurated a Work in Progress Seminar designed to give faculty and graduate students an opportunity to present their current research with a view to receiving feedback and comment from an interested audience. The seminar met twice during the semester, over lunchtime on both occasions, with lunch provided by the Institute. At the first meeting, held on February 28, Dr. Thomas N. Sizgorich, Assistant Professor of History, spoke on "Monks and Their Daughters: Monasteries as Muslim-Christian Boundaries." His address presented the fruits of his research on early Islamic encounters with Christian monasticism and attracted a packed audience. Similarly well attended was the presentation on April 23 by Dr. Marianne Kalinke, 2007 Visiting Scholar in Medieval Scandinavian Studies, on "Historiography, Hagiography, and the Rise of Vernacular Fiction." Dr. Kalinke analyzed the transformation of several motifs from their first occurrences in historical chronicles and in saints' lives to their reworking in fictional writing of the later Middle Ages, particularly within the Germanic tradition.

In April, during the Spring Lecture Series, the Institute launched "Friends of Medieval Studies," a fund-raising initiative that offers those who regularly attend our events an opportunity to connect more closely with the Institute. The basic level of membership was pitched at $25, with family membership available at $40 and student membership at $10. There are six enhanced levels of membership: Beowulf Circle, $75; Heloise Circle, $00; Chaucer Circle, $250; Hildegard Circle, $500; Francis of Assisi Circle, $1,000; Beatrice Circle, $1,500. Through this initiative the Institute raised over $4,000, with more than forty individuals or couples signing up for membership and with two couples joining the Francis of Assisi Circle. Friends of Medieval Studies will have the opportunity to attend special activities offered specifically for them, including receptions, and will receive invitations to attend meetings of the Institute's Work in Progress seminar.

During the year, the Institute's plan to take over from the English Department the administration of the Minor in Medieval Studies was completed and received all necessary committee approvals within the university. The new Minor will come into effect in the Fall semester of 2007. It will be significantly more interdisciplinary than the Minor previously offered by English. There will be a new gateway course, "The Medieval World" (MDVL 201/HIST 201), to be taught by the

Institute Director. Students must fulfill a foreign language requirement and must complete eighteen hours of elective courses. At least one elective must be taken in each of the disciplinary fields represented by core medieval faculty: History, English, and Art History. Students are then free to select the fields in which they wish to take the remainder of their electives. Enrollment for "The Medieval World" for Fall 2007 was capped at sixty; the cap had already been reached by the middle of June, a highly encouraging sign.

Plans for 2007–2008

On September 20–22, the Institute will host the annual meeting of CARA, the Committee on Centers and Regional Associations of the Medieval Academy of America. This conference, held on a different university campus each year, brings together directors of medieval programs from across the United States and Canada. The Institute is honored to have been selected to host the 2007 meeting. The theme for the meeting, "Promoting Medieval Studies through Outreach," reflects the Institute's pioneering role, recognized nationally, in developing outreach initiatives. Conference sessions will be held in the Student Union Building and delegates will be accommodated at the Hotel Albuquerque at Old Town. The program will include a conference banquet (with a concert by well-known local early music group Música Antigua de Albuquerque) and a Saturday afternoon excursion to Acoma Pueblo, incorporating a visit to the newly opened Sky City Cultural Center and a guided tour of the pueblo.

The Institute plans two major public events for the year. The theme of the 2008 Spring Lecture Series, scheduled for March 31–April 3, will be "Medieval New Mexico: A Celebration of Tradition and Cultural Interaction in the Land of Enchantment." The principal aim will be to demonstrate the impact of medieval European traditions on New Mexico's history up to the present day and to examine the exchange of influences between those traditions and indigenous ones. The Institute will apply to the New Mexico Humanities Council for a grant in support of the Spring Lecture Series. Some six weeks before this event, on February 15–16, the Institute will offer the sixth in its occasional series of weekend seminars on medieval science and medicine. The seminar will focus on the Archimedes Palimpsest project, which over the last two or three years has created a worldwide stir, having hit the newspaper headlines both in the United States and Europe, and having been featured in television newscasts, documentaries, and radio segments. The project concerns a tenth-century Greek manuscript containing previously unknown treatises by the ancient scientist and engineer, Archimedes. These texts were erased in the thirteenth century and the leaves of the manuscript were then rewritten with ecclesiastical texts. Conservators at the Walters Art Museum in Baltimore, in collaboration with Stanford University's Linear Accelerator Center and with experts in digital imaging at the Rochester Institute of Technology, have made it possible to read almost all of the erased text by scanning the leaves using the technique of x-ray fluorescence. The project represents an extraordinary confluence of ancient science, medieval manuscript culture, and modern technology. Five key members of the project will offer presentations during the seminar, which should have extraordinary appeal both for the Institute's regular audience and for members of the local scientific and engineering communities.

The Institute will again sponsor sessions at the International Congress on Medieval Studies.

Anthony Cárdenas will organize two sessions on "Twice-Told Tales in Medieval Literature," with one session focusing on Spain and the other on literature outside of Spain. Nancy McLoughlin will organize two sessions on "Institutional Narratives, Communal Identity, and the Production of Truth." The Work in Progress seminar will continue to meet once or twice a semester, and there will be special activities for the Friends of Medieval Studies, beginning with a Fall semester presentation by Justine Andrews of the facsimiles of medieval manuscripts in Zimmerman Library. In June 2008, Timothy Graham will again offer his intensive graduate seminar on "Paleography and Codicology," which will be open to applicants from graduate programs across the United States; the Committee on Centers and Regional Association of the Medieval Academy of America will offer two full-tuition scholarships to support participants in the seminar.

Personnel

In October, the Institute's Program Coordinator, Eva Lipton, was transferred to the College of Arts and Sciences Development Office; insufficient available funding meant that she was not replaced. During her two years with the Institute, Ms. Lipton was an extraordinary asset, working tirelessly to ensure the success of the Institute's operations and conducting research into possible sources of additional funding. She is sorely missed. While the lack of an administrative staff person has made some aspects of the Institute's operations difficult to conduct, the core faculty have made every effort to ensure that we will continue to offer a full program of activities.

In January, Dr. Nancy McLoughlin was offered a tenure-track position as Assistant Professor of History. An expert in the religious and intellectual history of the late Middle Ages, Dr. McLoughlin has special research interests in the career and writings of Jean Gerson, an influential figure in the religious politics of the early fifteenth century. Dr. McLoughlin had been Visiting Assistant Professor during the calendar year 2006. She now joins the Institute's Steering Committee.

Marianne E. Kalinke was the Visiting Scholar in Medieval Scandinavian Studies for the Spring semester, sponsored jointly by the Institute and by UNM's English Department. Professor Kalinke, a distinguished expert on medieval Icelandic literature and its interconnections with the literature of other Western European countries, is CAS Professor and Trowbridge Chair of Literary Studies at the University of Illinois. During her stay in Albuquerque she taught the popular English 305, "Viking Mythology."

Publications, Conference Presentations, and Other Professional Activities

For the fourth consecutive year, the Institute sponsored sessions at the International Congress on Medieval Studies held on the campus of Western Michigan University. The Forty-Second Congress took place May 10-13. Anthony J. Cárdenas organized two sessions on Teresa de Cartagena and other late medieval Spanish authors. The first session featured papers by Yonsoo Kim (Purdue University), "Teresa de Cartagena y su discurso de sordera frente a otros escritores"; Fabián Sifuentes-Valdiviezo (University of New Mexico), "Contextualizing Nuns:

Teresa de Cartagena and Sor Juana Inés de la Cruz"; and H. Cathleen Tarp (Idaho State University), "Inner Circles and Sickly Gardens: Isolation, Suffering, and Scholasticism (?) in the Works of Teresa de Cartagena and Teresa de Jesús." The three papers offered in the second session were: Catalina Rodríguez (University of Arizona), "Contextualizing Converso Religious Experience: Defining Teresa de Cartagena"; Vanessa de Veritch Woodside (University of New Mexico), "Narrating Nuns: Teresa de Cartagena"; and Marcos Romero Asuncio (Aquinas College), "Establishing Authority: Teresa de Cartagena as Author." The Institute's third session at the Congress, "New Discoveries in Anglo-Saxon Studies," was organized by Timothy Graham and featured papers by Rebecca J. Brackmann (Lincoln Memorial University), "Anglo-Saxon England and Tudor Ireland in Laurence Nowell's Manuscripts," and Timothy Graham, "Lost and Found: The Elstob Transcripts of Anglo-Saxon Laws, Now in the Takamiya Collection."

The Institute was also well represented in other sessions at the Congress. Marisa Sikes, a doctoral student in the English Department, was the Institute's Graduate Student Prize Winner and delivered her paper, "Inviolable Corporeality: The Virgin Body as Christian Triumph in Hrotsvit's *Sapientia* and *Dulcitius*," in a session "The Body in Christian Religiosity." The College of Arts and Sciences covered Ms. Sikes's travel to the Congress and the Medieval Institute at Western Michigan University waived her registration and accommodation charges. Sarah Baechle, last year's prize winner, returned to the Congress to offer "'So Wel Koude He Me Glose': Marginalia in Manuscripts of the *Wife of Bath's Tale*" in a session on "Chaucer after 1400" organized by the Early Book Society. Anthony Cárdenas spoke on "Daring to Edit the *Libro del caballero Zifar*" in a session on "Manuscripts, Transmissions, and Contexts" organized by the Center for Medieval Studies, University of Minnesota. Helen Damico's paper, "From Whence the Speech of Female Sovereignty in *Beowulf*? Eleventh-Century Political History and Biblical Verse," was featured in the Society for the Study of the History of the English Language's session on "Politics and Culture of Poetic Language in Eleventh-Century England." Anita Obermeier delivered the opening paper in the first of two sessions honoring retired Professor of English Dhira Mahoney; her paper was titled "Self-Criticism and Self-Promotion in Chaucer's and Gower's Prologues and Epilogues." Nancy McLoughlin spoke on "The Deadly Sins and Contemplative Politics: Gerson's Ordering of the Personal and Political Realms" in a session on "The Seven Deadly Sins as Cultural Constructions in the Middle Ages."

In November, Justine Andrews delivered an invited lecture, "From Contact to Coexistence: Art and the Crusades (1130–1374)," at a public event organized by Humanities West, San Francisco. She was also the organizer of a session on "New Studies in Byzantine Illuminated Manuscripts" at the annual Manuscript Studies Conference held at St. Louis University in October; during that session, she delivered her own paper on "Art in Transmission: The Copying of a Fourteenth-Century Commentary on Job." She chaired the session on "Dialectics of Mendicant Art in Europe" at the annual meeting of the College Art Association, held in New York in February.

Anthony J. Cárdenas published on compact disk his edition, *Text and Concordances of the "Libro del cauellero Zifar (Libro del cauallero de Dios)": Madrid, Biblioteca Nacional MS 11,309.* He spoke on "Lads and Asses in the Medieval Spanish Aesopic Fables" at the Sixtieth Annual Convention of the Rocky Mountain Modern Language Association, held in Tucson in October. At the meeting of the Modern Language Association held in Philadelphia in January he delivered his paper, "Achieving Authority through Affliction: Leonor López de Córdoba and

Teresa de Cartagena."

Helen Damico spent the Spring semester on sabbatical, working on a variety of projects, principally her monograph on *Beowulf and the Grendel-Kin*. She received a positive response from publishing house Boydell & Brewer to three completed chapters of the book and will submit the full manuscript to them upon completion.

Leslie Donovan received two notable awards during the year: a UNM Alumni Association Faculty Award and a Mortar Board Faculty Recognition Award. She was nominated as Outstanding Teacher by the Honors Student Advisory Committee. She published four entries in the *J. R. R. Tolkien Encyclopedia: Scholarship and Critical Assessment*, issued by Routledge (2006). Her article "Monsters and Marvels through the Ages" appeared in *Honors in Practice*, vol. 3 (2007), pp. 181–7. She spoke at three conferences during the year. In October, she addressed the topic of "Professional Women with Disabilities: Understanding the Struggles and Successes" at the Southwest Conference on Disability, held in Albuquerque. For the meeting of the Southwest and Texas Popular Culture Association held in Albuquerque in February, her theme was "The Pearls and Perils of Teaching Tolkien." In April, during the Western Regional Honors Conference held in Anaheim, she spoke on "From Blogs to Yahoo Groups: Electronic Communities in the Honors Classroom."

Institute Director Timothy Graham published "Matthew Parker and His Manuscripts: A Study of an Elizabethan Library and Its Use" in *The Cambridge History of Libraries in Britain and Ireland*, vol. 1: *From the Early Middle Ages to the Civil War*, edited by Teresa Webber and Elisabeth Leedham-Green (Cambridge: Cambridge University Press, 2006), pp. 322–41. His review of John Blair, *The Church in Anglo-Saxon Society*, appeared in the *Journal of Interdisciplinary History*, vol. 37 (2006), pp. 438–40. He also published, in *The Medieval Review* (an online publication), his review of Christopher de Hamel, *The Rothschilds and Their Collections of Illuminated Manuscripts*. In February he led a half-day workshop on "Making the Medieval Manuscript" at the Fourteenth Conference of the Arizona Center for Medieval and Renaissance Studies, held in Tempe. In October he spoke to the Albuquerque OASIS group on "Books of Hours: Bestsellers of the Middle Ages." In April he presented a lecture on "The Sutton Hoo Ship-Burial" to the Santa Fe Archaeological Society.

Nancy McLoughlin published her study of "Jean Gerson as Secular Priest and University Master" in *A Companion to Jean Gerson*, edited by Brian Patrick Maguire (Leiden: Brill Academic Publishers, 2006), pp. 249–91. In July and August, she was a participant in the National Endowment for the Humanities Summer Seminar on "The Seven Deadly Sins," held in Cambridge, England. Research conducted during the seminar enabled her to deliver a paper on "The Deadly Sins and the Authority of the Preacher: Gerson's Sermons before the French Royal Court" at the Thirty-Fifth Annual Sewanee Medieval Colloquium, held at the University of the South, Sewanee, in March. In April she offered an invited lecture, "Institutional Narrative, Truth and Authority in the Thought of Jean Gerson (1363–1429)," at the Trinity University Center for Medieval and Renaissance Studies Spring Colloquium held in San Antonio.

Anita Obermeier offered "Fertile Men and Sterile Women in Arthurian Legends" at the annual conference of the Medieval Association of the Pacific, held at the University of California, Los

Angeles, in March.

Anne Van Arsdall published two articles during the year. "Challenging the 'Eye of Newt' Image of Medieval Medicine" appeared in *The Medieval Hospital and Medical Practice*, edited by Barbara Bowers (Aldershot, U.K.: Ashgate, 2007). "Medical Training in Anglo-Saxon England: An Evaluation of the Evidence," the expanded version of a paper she presented at a conference in Udine, Italy, was published in *Form and Content of Instruction in Anglo-Saxon England in the Light of Contemporary Manuscript Evidence*, edited by Patrizia Lendinara, Luisa Lazzari, and Maria Amalia D'Aronco (Turnhout, Belgium: Brepols, 2007). In June she spoke on "Exploring What Was Understood by 'Mandragora' in Anglo-Saxon England" at the conference on "Anglo-Saxon Plants and Their Names" held at the University of Graz, Austria.

UNM Peace Studies Program
Annual Report 2006-2007
submitted by Carole Nagengast, Director, Peace Studies Program
Professor of Anthropology, UNM Department of Anthropology

I became Director of Peace Studies in August 2007. For the period under discussion, Prof. Jenny Moore of the Law School served the remainder of her term from October to December 2006 and Dr. Alex Lubin of American Studies served as Director from January to August 2007.

Major Events in 2006-2007

Teach-in on Guantanamo Bay, held at UNM Law School and co-sponsored by Peace Studies: UNM broadcast a day-long teach-in, held live at Seton Hall Law School in New Jersey, on the subject of the treatment of long-term terrorism suspects detained without charge at the U.S. Naval Base at Guantanamo Bay, Cuba. The broadcast sessions included panels on the physical and emotional treatment of detainees, the legality of long-term detention without charge, ethical issues for medical personnel posted at Guantanamo Bay and ethical issues for journalists covering Guantanamo. UNM hosted a live panel that afternoon from 4:00 to 6:00 that included students and community members, moderated by Jennifer Moore, then Director of Peace Studies on military, diplomatic, criminal justice and humanitarian responses to terrorist violence,.

Run for Darfur, co-sponsored by UNM Law School and Peace Studies: as a fund-raiser and community outreach event in response to the ongoing ethnic cleansing in Darfur, Sudan, seven 5-person relay teams participated in the Duke City Marathon, running under the auspices of "Run for Darfur" and raising money through the sale of tee-shirts and the solicitation of individual donations for the Genocide Intervention Network, a non-profit that lobbies Congress and the U.S. government to get additional peace-keepers and civilian police into the displaced persons' camps in Darfur.

Peace and Sustainability Fair, a joint project between Peace Studies and Sustainability Studies: This third Fair that Peace Studies organized included three panels with guest speakers from within the UNM campus as well as off campus. The panels addressed issued of militarization and higher education, sustainability practices, and global warming. More than forty community and UNM groups set up tables to distribute information about their activities. The Fair proved to be an important venue for engaging a dialogue between the community and UNM on military funding at UNM.

Dialogues: Peace Studies met with community activists who are working towards establishing a New Mexico Department of Peace. Peace Studies hosted a campus conversation with Vice President for research, Jack McIver, who shared data about the extent of military-related funding at UNM.

Students

The number of Minors remained stable and two students enrolled in the Certificate program. Since I became Director, I have identified the urgent need for a dedicated Peace Studies introductory course that will distinguish Peace Studies as a specific discipline for students. We have started work on establishing such a course. The required Capstone seminar remains in place. As part of their internship requirements, our students have interned at the Carter Center and at a health clinic in Kenya.

Advisory Structure

Under the Directorship of Alex Lubin, the Program Committee worked to identify further suitable courses for the program and to make the curriculum more user-friendly. I have introduced a new committee structure where the newly instituted Curriculum and Projects Committees will report to the umbrella Program Committee. The Curriculum Committee is constituted by UNM faculty members only and is charged to increase the Peace Studies Program's academic presence on campus. The Projects Committee is constituted by UNM and community members and is responsible for outreach, organizing the Peace Fair, lecture series, and other events the Program Committee adopts. The Program Committee membership remains, according to its bylaws, a combination of elected UNM faculty and community members and its committee meetings remain open to the public.

Department of Philosophy
Annual Report for 2006-07
Submitted by John Taber, Chair

1. Significant developments during the academic year 2006-07

Enrollments at the undergraduate level continued to increase. As of Spring, 2007, Philosophy had approx. 175 declared undergraduate majors and 70 undeclared (in University College). Two new students were admitted to the Ph.D. program (with full financial aid) and two to the M.A. Meanwhile, two students attained their M.A. degrees; one of them will continue on to the Ph.D. in the UNM Philosophy program, the other was accepted to the Fordham University Ph.D. program. Three of our undergraduate majors (that we know of) were accepted to other graduate programs or Law School.

Prof. Thomson was on sabbatical leave for the academic year. Prof. Taber was on sabbatical leave in the fall and Prof. Burgess in the spring. Prof. Taber spent his sabbatical as visiting professor of Buddhist Studies in the Institute for South-Asian, Tibetan, and Buddhist Studies at the University of Vienna. Prof. Schueler served as Acting Chair during Prof. Taber's absence. Prof. Bussanich was on leave without pay for the year, serving as visiting professor in the Department of Philosophy at the University of Ottawa.

Prof. Schueler resigned at the end of the academic year, after thirty-six years (!) of distinguished service to become Chair of the Department of Philosophy at the University of Delaware.

Profs. Becker and Hayes received tenure and were promoted to associate professor.

Two faculty received major research awards: Prof. Becker (Gunter Starkey Award, College of Arts and Sciences), and Prof. Domski (Teacher of the Year Award).

Major book-length publications by Profs. Becker (*Epistemology Modalized*) and Kalar (*The Demands of Taste in Kant's Aesthetics*) appeared.

Prof. Johnston received the College of Arts and Sciences Summer Research Award.

The Department continued to use funds from a grant received from the New Mexico State Legislature in 2005 to renovate its library.

The Department voted to award the Barrett Dissertation Fellowship to Christian Wood in spring semester, 2008.

Prof. Domski received a grant of $100,000 from the National Science Foundation to conduct, as principal investigator, a pilot study for a program to train Philosophy

graduate students and engineering students to team-teach courses on engineering ethics in area colleges.

Prof. Goodman directed his third NEH Seminar for college and university teachers in June and July, which was hosted by the Philosophy Department. The topic this time was "Pragmatism." Featured speakers were: Cheryl Misak, of the University of Toronto, Maria Baghramian, of University College, Dublin, William Blattner, of Georgetown University, and Charles Guignon, of University of South Florida.

Prof. Thomson received a National Endowment for the Humanities Research Fellowship for 07-08.

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. The featured speakers were Robert Buswell, of UCLA, William Waldron, of Middlebury College, and Michel Mohr, of the University of Hawaii.

The Department sponsored its fifth Philosophy Student Conference on the theme "Philosophy and (Popular) Culture" in February.

As usual, the department hosted it Philosophy Colloquium Series, culminating this year in the annual Brian O'Neill Lectures in the History of Philosophy, which were given delivered by Prof. Frederick Beiser of Syracuse University. The complete list of speakers for the year, which also includes UNM faculty, is as follows:

Paul Coates, University of Hertfordshire, 9/8/06
The Sensorimotor Approach to Perception: a Critical Assessment

Kathryn Wichelns, Emory University, 10/20/06
Staging Sexual Difference: Marguerite Duras's Adaptation of Henry James's 'The Beast in the Jungle'

Melissa Seymour, Indiana University, 10/27/06
Loving One's Neighbor as Oneself: Kantian Practical Love

Elizabeth Rapaport, UNM School of Law, 11/3/06
Defining Torture in U.S. and International Law

Mark Ralkowski, UNM Ph.D. Candidate, 11/10/06
Plato's Tragedy: Politics and the Limits of Philosophy

David Dinwoodie, UNM Anthropology,12/1/06
Globalization Talk: Philosophical and Anthropological Considerations

Russell Goodman, UNM Philosophy,1/26/07
Putnam and Pluralism

Bruno Bosteels, Cornell University, 2/9/07
Badiou and Antiphilosophy

Rinita Mazumdar, UNM Women Studies and Philosophy, 2/16/07
Rethinking Hegemony: Gramsci, Hegel, and Freud

R. Kevin Hill, Portland State University, 2/23/07
Heidegger's Nietzsche: Neokantian, Phenomenological, or Metaphysical?

Stewart Cohen, Arizona State University, 3/2/07
Three Approaches to the Airport Case

Scott Sehon, Bowdoin College, 3/23/07
Action Explanation and the Free Will Debate

Cathy Legg, University of Waikato, New Zealand, 4/6/07
Making It Explicit and Clear

George Luger, UNM Computer Science, 4/13/07
Computational Tools and Epistemological Issues

Frederick Beiser, Syracuse University – **Brian O'Neil Lecturer, 4/19/07**
Rehabilitating Aesthetic Rationalism: Part I

Frederick Beiser, Syracuse University – **Brian O'Neil Lecturer, 4/20/07**
Rehabilitating Aesthetic Rationalism Part II

Plans and recommendations

The Department will search for two new faculty this year, one with competence in one or more of the following areas: ethical theory, political philosophy, philosophy of law, metaphysics, philosophy of mind. It is hoped that the faculty member hired for this position is conceived as a replacement for Prof. Schueler. The other new faculty member will be in ethics and should have the competence to teach a course in Medical Ethics as part of the new UNM BAMD program. The Department will work with the BAMD program in selecting candidates for this position.

Besides its searches, the Department will be occupied with writing the self-study for the Academic Program Review which is to take place next year.

At the end of November, Slavoj Žižek will be giving a public lecture at UNM sponsored by the Philosophy Department and the College of Arts and Sciences. The Department is currently engaged in arranging advertising for the event. This lecture, which will also be the O'Neil lecture for this year, will be the main intellectual event on this year's calendar.

2. Appointments to faculty/staff

None

3. Separations from faculty/staff

Fred Schueler

4. Publications of faculty

Becker, Kelly:

Epistemology Modalized (London: Routledge, 2007).

"Is Counterfactual Reliabilism Compatible with Higher-Level Knowledge?" *Dialectica* (2006).

"Reliabilism and Safety," *Metaphilosophy* (2006).

Burgess, Andrew J.:

"Kierkegaard, Moravian Missions, and Martydom," in *Without Authority. International Kierkegaard Commentary*, vol. 18, ed. Robert L. Perkins (Macon, GA: Mercer University Press, 2007), pp. 177-202.

Bussanich, John

"Socrates and Religious Experience, " *The Blackwell Companion to Socrates, ed. R. Kamtekar* (Oxford: Blackwell, 2006), pp. 200-213.

"Eric Voegelin's Philosophy of Mythology," *The European Legacy* 12 (2007): 187-98.

"Plotinus on the Being of the One," in *Metaphysical Patterns in Platonism: Ancient, Medieval, Renaissance, and Modern*, ed. John Finamore and Robert Berchman (University Press of the South, 2007), pp. 57-72.

Review of *Introducing Nicholas of Cusa: A Guide to a Renaissance Man*, ed. Christopher M. Belitto, Thomas M. Izbicki, and Gerald Christianson (Paulist Press, 2004), *Speculum* 81 (2006): 484-485.

Reviews in *CHOICE* of: Christopher Gill, *The Structured Self in Hellenistic and Roman Thought*, George E. Karamanolis, *Plato and Aristotle In Agreement? Platonists on Aristotle from Antiochus to Porphyry*, Oliver Leaman, *The Biographical Encyclopedia of Islamic Philosophy*, David Konstan, *The Emotions of the Ancient Greeks*, Christiane L.

Joost-Gaugier, *Measuring Heaven: Pythagoras and His Influence on Thought and Art in Antiquity and the Middle Ages.*

Domski, Mary

"Construction without Spatial Constraints: A Reply to Emily Carson," *Locke Studies* 6 (2006)L 85-99.

Review of Michael Beb-Chaim, *Experimental Philosophy and the Birth of Empirical Science: Boyle, Locke, Newton* (Ashgate Publishing, 2004), in *Early Science and Medicine* 11 (2006): 122-126.

Russell Goodman:

"New England Transcendentalism" (addendum), *Encyclopedia of Philosophy*, 2nd Edition, ed. Donald Borchert (Detroit: Macmillan Reference, 2006)

"Transcendentalism" (substantial revision), *Stanford Encyclopedia of Philosophy*, http://plato.stanford.edu/, Feb., 2007.

Hannan, Barbara:

"Voluntary Action, Psychology of," *Encyclopedia of Law and Society*, ed. David S. Clark (Sage Publications, 2007).

Hayes, Richard P.

"Buddhism," *Encyclopedia of Philosophy*, 2nd Edition, ed. Donald Borchert (Detroit: Macmillan Reference, 2006).

"Nirvā□a," *Encyclopedia of Philosophy*, 2nd Edition, ed. Donald Borchert (Detroit: Macmillan Reference, 2006).

Buddhism in India section (16 articles), *Encyclopedia of Buddhism*, (London and New York: Routledge, 2007).

Review of Dan Arnold, *Buddhists, Brahmins, and Belief: Epistemology in South Asian Philosophy of Religion*, *Journal of the American Academy of Religion* 74 (2006): 514-517.

Johnston, Adrian

"Ghosts of Substance Past: Schelling, Lacan, and the Denaturalization of Nature," *Lacan: The Silent Partners*, ed. Slavoj Žižek (London: Verso, 2006), pp. 34-55.

"Lightening Ontology: Slavoj Žižek and the Unbearable Lightness of Being Free," *Lacanian Ink: The Symptom*, no. 8 (Spring, 2007) http://www.lacan.com/symptom8_articles/johnston8.html.

"From the Spectacular Act to the Vanishing Act: Badiou, Žižek, and the Politics of Lacanian Theory," *International Journal of Žižek Studies* 1.0 (2007): 1-40.

"The Quick and the Dead: Alain Badiou and the Split Speeds of Transformation," *International Journal of Žižek Studies* 1.2 (2007): 58-86.

"'Let a thousand flowers bloom!': Some Brief Remarks on and Responses to Žižek's 'Badiou: Notes from an Ongoing Debate,'" *International Journal of Žižek Studies* 1.2 (2007): 44-57.

Kalar, Brent:

The Demands of Taste in Kant's Aesthetics (London and New York: Continuum, 2006).

Schueler, G.F.:

"Is It Really Possible to Follow One's Conscience?" *American Philosophical Quarterly* (January, 2007).

Taber, John

"Kumārila's Interpretation of Mīmā□sāsūtra 1.1.4," *Journal of Indological Studies* 16 (2006): 63-83.

"On Borrowing from the Indian Philosopher's Toolbox: Comments on Mark Siderits, *Personal Identity and Buddhist Philosophy*," *APA Newsletter on Asian and Asian-American Philosophers and Philosophies*, vol. 6, no. 1 (Fall, 2006): 7-12

"Kumārila the Vedāntin?" in Mīmā□sā and Vedānta, *Papers of the 12th World Sanskrit Conference*, ed. Johannes Bronkhorst (Delhi: Motilal Banarsidass, 2007), pp. 159-84.

Thomson, Iain

"Even Better than the Real Thing? Postmodernity, the Triumph of the Simulacra, and U2," in *U2 and Postmodernity*, ed. Mark A. Wrathall (Chicago and La Salle: Open Court, 2006), pp. 73-95.

"What's Wrong with Being a Technological Essentialist? A Response to Feenberg," rpt. in *Democratizing Technology: Andrew Feenberg's Critical Theory of Technology*, ed. Tyler J. Veak (Albany: SUNY Press, 2006), pp. 53-70.

"Iain Thomson: The *Ereignis* Interview," interviewed by Peter Ferreira, *Ereignis*, September, 2006.

"Thinking Beyond Ontotheology: Philosophy in the 21st Century," (in Japanese) in *Ima Tetsugaku-towa Nanika [What is Philosophy Now?]*, ed. Yasuo Kobayashi (Tokyo: University of Tokyo Center for Philosophy, 2006), pp. 83-86.

"Environmental Philosophy," in *A Companion to Phenomenology and Existentialism*, ed. Hubert L. Dreyfus and Mark A. Wrathall (Oxford: Blackwell, 2006), pp. 445-63.

"Feeling Anxious? The Philosophical Implications of Joking Around," *Weekly Alibi* 15:48 (Nov. 30-Dec. 6, 2006), p. 22.

"On the Advantages and Disadvantages of Reading Heidegger Backward: White's *Time and Death*," *Inquiry* 50.1 (2007): 103-20.

5. Outside professional activities of staff members

Becker, Kelly

APA Pacific Division Program Committee
Referee for *Erkenntnis, Australian Journal of Philosophy* and other journals

paper, "Contrastivism and Relevant Alternatives," Linguistics and Philosophy Conference, University of Aberdeen, Aberdeen, UK, May, 2007.

Burgess, Andrew

Steering Committee, Kierkegaard, Religion, and Culture Group, American Academy of Religion

Bussanich, John

Co-Editor, Ancient Philosophy
Board of Directors, International Society for Neoplatonic Studies
Referee, Cambridge University Press

Domski, Mary

paper, "Locke and Newton on Induction, Deduction, and the Method of Natural Philosophy," International Society for the History of the Philosophy of Science, Sixth Biennial Congress, Paris, June, 2006.

paper, "Newton, Locke, and the Mathematical Nature of Natural Philosophy," History of Science Society annual meeting, Vancouver, B.C., November, 2006.

invited paper, "Naturalism, Nominalism, and the Mathematical Treatment of Nature: Reconsidering Locke's Relationship to Newton," University of California-San Diego History of Philosophy Roundtable, La Jolla, CA, February, 2007.

paper, "Construction without Spatial Constraints: Locke on Geometrical Reasoning," American Philosophical Association, Pacific Division Meeting, San Francisco, CA, April, 2007.

organizer of conference session: "Situating Newton in Philosophical Context," HSS annual meeting, Vancouver, B.C., November, 2006

organizer of conference session: "Situating Newton in Philosophical Context," HOPOS, Sixth Biennial Congress, Paris, June, 2006.

Co-organizer, Southwest Seminar for Early Modern Philosophy
Referee, Oxford University Press, *Philosophy of Science*

Goodman, Russell

paper, "Two Genealogies of Action in Pragmatism," 9th International Meeting on Pragmatism, Pontifical Catholic University of Sao Paolo, Sao Paola, Brazil, November, 2006.

paper, "Encountering Cavell: the Education of a Grown-up," Conference on Cavell and Education, Harvard University, October, 2006.

paper, "Reflections on Emerson and Non-European Thought," Conference on Cavell and Asian Thought, Harvard University, October, 2006.

paper, "Emerson and Skepticism: A Reading of 'Friendship'," Society for Phenomenology and Existential Philosophy, October, 2006.

paper, "Putnam and Pluralism," Conference on Hilary Putnam at 80, University College, Dublin, March, 2007.

Referee, Oxford University Press

Hayes, Richard

invited talk: "Self: Delusion, Fiction, or Prerequisite?" South Asian Seminar, University of Chicago, January, 2007.

Johnston, Adrian

invited paper, "Parallax Politics: Badiou, Žižek, and the Cadence of Change," Cardiff Project for Ideology Analysis, "Did Somebody Say Ideology?: Slavoj Žižek in a Post-Ideological Universe," Cardiff University, Cardiff, Wales, September, 2006.

paper, "The Immanent Genesis of the Transcendent: From Žižek to a Transcendental Materialist Theory of Subjectivity," The Theory Reading Group at Cornell University, Third Annual Interdisciplinary Spring Conference, "The Time of Materiality," Cornell University, Ithaca, NY, April, 2007.

invited paper, "Amorous Matters: Badiou, Lacan, and Libidinal Materiality," Birkbeck Institute for the Humanities, Birkbeck College, University of London, June, 2007.

invited talk, "Screening the Past: Memory and Time in Freudian Psychoanalysis" (keynote address), "Investigating memory: An Interdisciplinary Conference," Department of Philosophy and Liberal Studies, University of Arkansas at Little Rock, April, 2006.

invited talk, "Lightening Ontology: Hegel, Lacan, Žižek, and the Insubstantiality of Substance," Department of English, Georgia State University, Atlanta, GA, March, 2006.

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

Kalar, Brent

paper, "The Standardness Condition in Kant's Conception of Beauty," Annual Meeting of the American Society for Aesthetics, Milwaukee, WI, October, 2006.

Referee, *Journal of Philosophical Research*

Schueler, Fred

invited talk, "The Humean Theory of Motivation Rejected," University of Delaware Philosophy Department, February, 2007.

Chair, Program Committee, American Philosophical Association, Pacific Division (for AY 06-07)
Executive Committee, American Philosophical Association, Pacific Division
Referee, *Theorie, Philosophy and Phenomenological Research*, and several other journals

Taber, John

Associate Editor, *Journal of Indian Philosophy*

Thomson, Iain

paper, "The Connection Between Heidegger's Philosophy and Politics," Modernity and Fascism conference, University of New Mexico, Albuquerque, NM, September, 2006.

paper, "Rethinking Levinas on Heidegger and Death," Colloquium on Contemporary European Philosophy, Brigham Young University, Provo, Utah, December, 2006.

paper, "The Young Heidegger's First Publication: Faith, Doubt, and Denegation in Heidegger's Earliest Altercation with Nietzsche," Society for Existential Phenomenology, first annual meeting, University of California, Berkeley, CA, January, 2007.

invited lecture, "Heidegger and Education," Dean's lecture, St. John's College, Santa Fe, NM, April, 2007.

paper, "On the Advantages and Disadvantages of Reading Heidegger Backward: White's *Time and Death*," conference on *Time and Death*, Santa Clara University, Santa Clara, CA, April, 2007.

Referee for *International Journal of Philosophical Studies* and various other journals.

6. Outside Sponsored Research

Grant from the National Endowment for the Humanities to Russell Goodman to conduct an NEH Seminar for college and university teachers titled "Pragmatism" (ca. $127,000)

Grant from the National Science Foundation to Mary Domski (PI) to conduct a pilot study for a program to train Philosophy graduate students and engineering students to team-teach courses on engineering ethics in area colleges ($100,000).

DEPARTMENT OF PHYSICS AND ASTRONOMY
Annual Report
July 1, 2006 to June 30, 2007

Professor Bernd Bassalleck, Chair

Significant Developments

The most significant development during the 06/07 academic year was our hiring of two new tenure-track faculty members, both in Optical Biophysics: Assistant Professor Steve Koch (started August 2006) and Assistant Professor Keith Lidke (started January 2007). Professor Koch was the result of a faculty search conducted by UNM's Center for High Technology Materials (CHTM) in spring 2006, which resulted in several of the finalists being biophysicists. While his salary and start-up support are provided by CHTM, our department is his tenure home, and therefore he also caries a regular teaching load in P&A. Professor Lidke's hire represents an exciting new opportunity for us in that he is a joint hire with our Cancer Center, which will contribute half his academic year salary for at least his first three years. Tenure and promotion to Associate Professor decisions in spring 07 for Doug Fields and Jim Thomas were positive. They are effective August 07, and we are of course delighted about this outcome. A faculty search for a tenure-track Assistant Professor in theoretical physics (specializing in the intersection between subatomic and astrophysics/cosmology) was successfully conducted during spring 07, and resulted in the hiring of Rouzbeh Allahverdi from the Perimeter Institute in Waterloo/Ontario/Canada. He is expected to start in fall 07. For other personnel changes, see the separate sections below.

Reorganization and better functioning of the departmental office staff has been a high priority in recent years, and significant progress had already been achieved prior to this year. Unfortunately we had to replace both our Department Administrator and our Student Advisement/Program Coordinator during 06/07; see below for names and dates. Further progress has been and continues to be made in the area of cross-training among our office staff. During spring and summer 07 the clear need for an additional staff member for grant support (pre- and post-award) and some accounting help was identified. Funding for this new position for 07/08 was secured in consultation with the Dean, and a search process was started. Funding beyond summer 08 still needs to be discussed with our new Dean Brenda Claiborne. During 06/07 our office staff, including people who've been at UNM for many years, became quite vocal in their concerns that more and more administrative tasks are being dumped on them from the central administration. And Banner has remained a source of considerable frustration for many, from staff to faculty in their role as instructors and as researchers.

After our departmental overhead account became debt-free as of July 1, 2004 we've been able to easily fulfill our start-up commitments to new faculty hires this year as well as remaining start-up obligations. In addition, a healthy carry-forward on this account will enable other meaningful investments in the future.

Overhead return to the department has remained healthy. For CY01/02/03/04/05/06 the departmental overhead allocations were $159k/190k/192.5k/165.5k/180k/171k. (For CY02 and 03 the numbers represent averages, correcting a mistake in the allocation made in summer 2003). In the present, very difficult funding climate (for most subfields of the physical sciences) these numbers signify at least an ongoing research vitality of our department. 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.

Even though there is renewed talk about a new P&A building, we continue to invest in some remodel projects in our aging building. This includes some new furniture, some lab remodeling for faculty, and by now we have ceiling-mounted video projectors installed in all of our class- and seminar rooms.

Future Plans

We continue to rely on our departmental Long Range Plan (mentioned in previous Annual Reports) for new faculty hiring decisions. Over the last several years we've actually made good progress in filling several of our top priority slots. Thanks to the two recent hires (Profs. Koch and Lidke) during 06/07, mentioned above, we now have critical mass and a very viable group in optical biophysics, and we are excited about this fact. Our faculty is now very committed to several hires in theoretical physics, and, as already indicated, we completed one successful search in that area in spring 07 for the 07/08 academic year. For 07/08 no search has been approved for our department, unless we can line up a special target of opportunity. Along those lines, we are aggressively pursuing the possibility of joint faculty hire with Los Alamos National Lab (LANL), particularly in the context of the Institute of Advanced Studies (IAS) that has been formed between LANL and the three NM research universities.

In connection with plans for the next phase of the UNM Hospital expansion, there is clearly renewed talk and discussion on campus about a new Physics & Astronomy building, since the next hospital addition will most certainly occupy our present location. We've submitted a request for a small amount of planning money for the 08 NM Legislative Session, and we are in discussions with people at Facilities Planning and the Capital Projects Office.

New Appointments

As already mentioned at the very beginning, two new faculty members were hired during 06/07. Prof. Rob Duncan was named Director of the above-mentioned LANL IAS on 1/1/2007, and his salary is thereby paid in full by OVPRED. Our new Department Administrator, Deborah ("Russ") Russell, started on 11/27/2006, and our new Student Program Advisement Coordinator, Roxanne Littlefield, started on 2/16/2007. As already mentioned last year, on 7/1/2006 John DeMoss took over as full-time machinist and supervisor of our important machine shop. John had been a full-time machinist in our

shop some years ago, then retired and continued to work quarter time for us. On 6/1/2007 he was joined by part-time machinist Anthony Gravagne. Steve Portillo started as Facility Services Tech on 11/6/2006, and Gary Harrison transitioned to Facility Services Manager on 7/1/2006. In that role he is effectively our building and operations manager, a crucial staff position.

Separations/Retirements/Deaths

Our previous, most highly valued and appreciated Department Administrator, Beth Walker, left on 9/15/2006, in order to assume the position of College Administrator in our College of Pharmacy. After about 8 years with us, Mary DeWitt left her position as Student Program Advisement Coordinator on 1/5/2007, and moved to Notre Dame University. Part-time machinist Jesus Sanchez went back into retirement on 8/15/2006.

Graduation Statistics

Between the summer semester 06 and the spring semester 07, the department graduated 7 BS in Physics, 0 BS in Astrophysics , 0 BA in Physics & Astrophysics, 4 MS in Physics (1 woman among them), 3 MS in Optical Sciences & Engineering, 4 PhD in Physics (1 woman), and 3 PhD in Optical Sciences & Engineering (1 woman). This graduation rate is similar to recent years, except for not having any BS in Astrophysics nor any BA in Physics & Astrophysics, which is unusual.

Outside Sponsored Research and Publications

Research efforts in the department remain strong. For FY07, funding for new and existing/continuation/renewal grants in the department (including Institutes and Centers housed in the department, such as 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 $5.8M. For comparison, the corresponding amounts for FY02/03/04/05/06 were $6.4M/$5.7M/$6.4M/$8.8M/$7.2M, respectively. The drop over the last two years is also reflected in the following statistics: the total number of awards received in FY03/04/05/06/07 was 54/51/54/56/41, respectively. Some of the fluctuations in the total award $s is simply a consequence of large grants not happening every year. Overall grant activity has certainly remained healthy, especially considering the significant ongoing federal funding hurdles for the physical sciences.

The overhead return to the department is perhaps more meaningful than the numbers just cited, because it is based on actual expenditures during a given year. Those returns were already listed in the first section of this report. Another meaningful number is the total grant spending, (i.e. total direct costs plus overhead). For FY05/06/07 those numbers were $6.6M/$6.7M/$6.1M, respectively. Here again the drop is relatively small, reflecting the actual research spending and therefore research activity.

Publications in refereed journals, as well as conference contributions and proceedings, invited talks, etc. by faculty members of this department are too numerous to list here -

suffice it to say that well over one hundred papers were published in refereed journals alone.

Awards, Special Grants or Contracts, and Special Events

2006/07 was another very good year for special awards and honors in our department:

In July 2006 we learned that Prof. Carl Caves's graduate student, Bryan Eastin, had been awarded a Regents' Graduate Fellowship for fall 06.

In August 2006 Prof. Jean-Claude Diels was selected as the 2006 recipient of the Engineering Excellence Award by OSA, the Optical Society of America, and Prof. Carl Caves was promoted to the rank of Distinguished Professor - the second faculty member from our department to receive this promotion in two years. Prof. Steve Brueck, the Director of CHTM, who holds a secondary, joint faculty appointment in our department, received the same promotion in September 2006.

In November 2006 we were able to announce that a Memorial Endowed Presidential Scholarship (for undergrads) had been established at UNM in the name of Prof. Harjit Ahluwalia's parents, and that Prof. Wolfgang Rudolph had been elected a Fellow of the Optical Society of America. During the same month, we held our first ever Departmental Research Retreat, an event that was deemed a great success by the participants.

In January 2007 Prof. Nitant Kenkre's graduate student, Ziya Kalay, won a Student Enrichment Opportunity (SEO) award from UNM's Program in Interdisciplinary Biological and Biomedical Sciences (PIBBS). These SEOs are intended to support efforts by graduate students to engage in interdisciplinary biological research.

In February 2007 it was announced that Prof. Dinesh Loomba's graduate student, Paul Thorman, had been awarded a Regents' Graduate Fellowship, and Prof. Rich Rand's graduate student, Sharon Meidt, had been awarded a NM Space Grant by NASA. In addition, as part of the 30th anniversary celebration of the IEEE Lasers and Electro-Optics Society, Prof. Mansoor Sheik-Bahae was recognized as having co-authored the most-cited paper in the history of the IEEE Journal of Quantum Electronics. Prof. Sheik-Bahae was the first author of this journal article, entitled "Sensitive Measurement of Optical Nonlinearities Using a Single Beam." At the time of the announcement and recognition, the paper had been cited 1511 times!

In March 2007 Prof. Mansoor Sheik-Bahae's graduate student, Denis Seletskiy, learned that he had been selected to attend the meeting of Nobel Laureates in Lindau, Germany, July 1-6, 2007, and Prof. Carl Caves' graduate student, Bryan Eastin, was awarded a prestigious NRC (National Research Council) Postdoctoral Fellowship to work at NIST (National Institute of Standards and Technology) in Boulder. During the same month, it was announced that first light had been seen by the prototype of a revolutionary new radio telescope, the Long Wavelength Array (LWA), being built near Socorro. UNM is the lead institution in this effort, and will supervise all aspects of its

sitting, design, construction and operation. Prof. Greg Taylor from our department is the Interim Director of the LWA. For more details see: http://www.unm.edu/~market/cgi-bin/archives/001839.html#more.

In April 2007 Sandra Ortiz, our Front Office Manager, won an Outstanding Staff Award from the Provost's Committee for Staff - a long overdue recognition for one of the most dedicated and loyal staff members at UNM. In addition, our Prototype Machinist John DeMoss won the Sigma Xi Scientific Research Society's award for "Noteworthy Technical Support Person."

In May 2007 our Lecturer Kathy Dimiduk became the first recipient of the William P. and Heather W. Weber Award for Teaching Excellence in Science or Math. This new award honors Lecturers or Part-Time Instructors in A&S who exemplify excellence in teaching of any science or math discipline at the undergraduate level.

Special Departmental Service & Outreach Contributions

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.

Last, but not least, it is worth pointing out that the recently completed Research Study Group effort, investigating the performance and structure of the entire sponsored research administration at UNM, was very ably chaired by Prof. Carl Caves from this department. In fact, it is fair to say that, by all accounts, and based on plenty of feedback, this committee - particularly Prof. Caves as Chair - did an outstanding job. Hopefully all its recommendations will be implemented ASAP.

ANNUAL REPORT
of the
DEPARTMENT OF POLITICAL SCIENCE
July 1, 2006 through June 30, 2007
Mark Peceny, Chair

I. SIGNIFICANT DEVELOPMENTS

A. UNDERGRADUATE PROGRAM

The department graduated 122 majors, including seven students who received departmental honors: Alex Adams, Brian Aitchison, Scott Darnell, and Shannon Kindilien were awarded *Summa Cum Laude*, Jamie Gonzales was awarded *Magna Cum Laude*, and Christopher Atencio and Colin Cogar were awarded *Cum Laude*. The annual commencement ceremony was held in Ballroom B of the Student Union Building and attended by over 350 students and guests. Professor F. Chris Garcia was the commencement speaker.

Jamie Gonzales received the award of best undergraduate research on Latino politics from the Latino caucus of the American Political Science Association, for her essay entitled, "Variations in Latino Public Opinion on Immigration."

Dahlia Dorman was appointed student regent on the UNM board, selected by Governor Bill Richardson to replace Rosalyn Nguyen.

B. GRADUATE PROGRAM

The department awarded Ph.D. degrees to Marilyn Gruebel, Eric Jepsen, and Roberta Rice, and M.A. degrees to Prakash Adhikari, Charles Davis, Matthew Ingram, Peggy Jackson, Marina Primak, Nicholas Rowell, and James Timberlake.

Matthew Ingram presented his dissertation proposal, "The Politics of Subnational Judicial Performance in Brazil and Mexico."

Kimberly Nolan-Garcia presented "The Impacts and Limitations of Transnational Labor Rights Advocacy: Lessons from Puebla, Mexico" at the Latin American Studies Association's (LASA) annual meeting in Montreal, Canada.

Margaret Edwards presented, "Presidential Survival in South America: Analyzing Institutional, Economic, and Social Factors," also at the LASA conference.

Awards:
Jason Morin, Ron Nikora, and Albert Palma, and Yann Kerevel each received a Graduate Fellowship from the Office of Graduate Studies. Roberta Rice received a Regent's Graduate Fellowship. Marilyn Gruebel received the Dean's Dissertation Scholarship.

In competitive awards offered by the UNM Latin American and Iberian Institute, Kimberly Nolan was a recipient of a Ph.D. Fellowship and Matthew Ingram received a Title VI Foreign Language and Area Studies Fellowship. Ben Bonin, Nancy Carrillo, John Todsen, and Mike Wolff received the New Mexico Graduate Scholars Award.

Matthew Ingram's paper "Judicial Efficiency in 17 Mexican States, 1993-2000" won the 2006 CQ Award as the best paper in law and courts written by a political science graduate student. He received a Doctoral Dissertation Improvement Grant from the National Science Foundation, an International Dissertation Research Fellowship from the Social Science Research Council, and a Fulbright Scholarship. He also attended the Empirical Implications of Theoretical Models (EITM) seminar at Washington University in St. Louis, a three-week methods seminar sponsored by NSF and the Weidenbaum Center at Washington University.

Kim Nolan-Garcia was awarded the Regents Graduate Fellowship from UNM's College of Arts & Sciences. She spent the summer conducting field research in Mexico.

Graduate Student Yury Bosin presented his paper, "Afghanistan Reconstruction: Current Dynamic and Perspectives", at the Association for the Studies of Nationalities 2007 World Convention, April 12-14, 2007, Columbia University, NYC. He also presented "Afghanistan Reconstruction: National and International Impacts" and "The Shanghai Cooperation Organization: Soft Power Without Hard Power?" at the ISA 48th annual convention, March 28-February 2, 2007, Chicago. Yury was also the recipient of the William and Kathy Hybl Democracy Studies Fellowship at International Foundation for Election Systems.

Political Science masters alumnus Matt Brix was on the air with Al Franken in San Diego on July 14, discussing Clean Elections in New Mexico.
Political Science masters alumnus Margaret Toulouse was appointed Bernalillo County Clerk in January, 2007. She received both of her degrees from the University of New Mexico, a Bachelor's in Political Science and Spanish, and her Master's in Political Science. During graduate school, Maggie's research focus was on voting behavior and elections and has published studies on these subjects.

Eight new students were admitted to our graduate program for the 2006-2007 academic year. The department currently has 7 M.A. students and 28 Ph.D. students enrolled.

C. *INSTITUTE FOR PUBLIC POLICY*
The Institute continued to engage in a variety of research initiatives designed to bring the voice of the public into the policy process, including public opinion surveys, focus groups and town hall meetings on key issues of public policy, including national security and nuclear weapons, energy and the environment, education reform, health policy, transportation, nuclear emergency preparedness zones, and elected officials from underrepresented groups. Projects have been funded by Sandia National Laboratories, the Nuclear Regulatory Commission, the Ford Foundation, the State Department of Transportation, and a variety of other institutions.

The department is conducting a study on potential future plans for the IPP. Professor Mark Peceny continued as Interim Director.

D. *SPEAKERS*
Lonna Atkeson
"Using Mixed Mode Surveys (Internet and Mail) to Examine General Election Voters" presented at the American Association for Public Opinion Research, May 17-20, 2007, Anaheim, California with Luciana Zilberman, Alexis Adams and Kyle Saunders.
"Who's Responsible? Federalism and Hurricane Katrina," presented at the Midwest Political Science Association," April 12-15, Chicago, Illinois, with Cherie Maestas.
"Voter Confidence: A Local Matter?" presented at the Midwest Political Science Association," April 12 15, Chicago, Illinois, with Kyle Saunders.
"Authors Meet Students: A Critical Assessment of Ronald Rapoport and Walter J. Stone's *Three's a Crowd*," presented at the Southwest Political Science Association, Albuquerque, New Mexico, March 12 -15.
"Hurricane Katrina and Framing the Blame Game," Cherie Maestas, presented at the American Political Science Association, August 30-September 3, Philadelphia, Pennsylvania with Cherie Maestas.

Christopher Butler
With Scott Gates, "Communal Violence and Property Rights." Presented at the Jan Tinbergen European Peace Science Conference, Amsterdam, Netherlands, June 25-27, 2007.
With Neil J. Mitchell, "The Invisible Fist: Government Accountability, Hidden Action, and Human Rights." Presented at the annual meeting of the American Political Science Association, Philadelphia, PA, August 30-September 3, 2006.

Gregory Gleason
The Two Paths': Foreign Policy Formulation in Central Asia. Association for the Study of Nationalities, Columbia University, April, 14, 2007.
"Russia's Central Asian Policy: Economic Mechanisms and Political Objectives." International Studies Association, Chicago, IL, February 28-March 3, 2007.
"Environmental Security: The MSEME Program in Kazakhstan." Preparatory Conference for the 15th OSCE Economic and Environmental Forum. Organization for Security and Cooperation in Europe. Bishkek, Kyrgyzstan, November 16-17, 2006.

"Ecological Security and Sustainable Development." Ministry of Environmental Protection, Astana, Kazakhstan, October 5, 2006.
"Trends in U.S. Kazakhstan Relations." International Studies Association-West, Las Vegas, Nevada, September 30, 2006.
"Dividing Lines: The Integration of Transnational Infrastructure." Russian International Studies Association, Moscow, September 23, 2006.
"Realism and American Foreign Policy." OSCE Academy, Bishkek, Kyrgyzstan, September 20, 2006.

Wendy Hansen
"Is There a "Democratic Peace" in Trade? Does Regime Type Condition Trade Conflict?" with Jeffrey Drope. Presented at the Annual Meeting of the American Political Science Association Conference in Philadelphia, PA, September 2006.

Timothy Krebs
With John P. Pelissero, "Put Up or Shut Up: City Council Response to Efforts to Reinvent Government," presented at the annual meeting of the Midwest Political Science Association, Chicago, Illinois, April 12-15, 2007.
With Philip Hultquist, and Gilbert St. Clair, "Budgeting in the Western States: New Mexico" presented at the annual meeting of the Western Political Science Association, Las Vegas, Nevada, March 8-10, 2007.
With John P. Pelissero, "Reinventing Government: An Exploration of Institutional Dynamics in Urban Politics" presented at the annual meeting of the American Political Science Association, Philadelphia, Pennsylvania, August 31-September 3, 2006.

Christine Sierra
"Changing Guards, Changing Views: Preliminary Findings from the Gender and Multicultural Leadership Survey," coauthored with Pei-te Lien, Carol Hardy-Fanta, and Dianne Pinderhughes. Paper presented at the Annual Meeting of the American Political Science Association, Philadelphia, Pennsylvania, August 31 - September 3, 2006.
"Cleavage or Convergence: Elected Officials of Color and the Politics of Immigration," coauthored with Pei-te Lien, Carol Hardy-Fanta, and Dianne Pinderhughes. Paper presented Annual Meeting of the Western Political Science Association, Las Vegas, Nevada, March 8- 10, 2007.
"Creating Representation in Multiple Dimensions: Gender and Multicultural Leadership in the New American Century," coauthored with Dianne Pinderhughes, Pei-te Lien, and Carol Hardy-Fanta. Paper presented at the Annual Meeting of the National Conference of Black Political Scientists, San Francisco, California, March 21-24, 2007.
"Exploring Dimensions of Interracial Connections between Asian and Other Nonwhite Elected Officials," coauthored with Pei-te Lien, Carol Hardy-Fanta, and Dianne Pinderhughes. Paper presented at the Annual Meeting of the Association for Asian American Studies, New York City, April 4-7, 2007.

Gabriel Sanchez
"Take One for The Team: Ethnic Identity, Candidate Qualification and Co-Ethnic Voting." Co-presented with Sylvia Manzano at the 2006 Annual Meeting of the American Political Science Association, Chicago, Illinois.
"Preferable Descriptive Representatives? Investigating the Impact of Demographic Attributes of Descriptive Representatives on Substantive Representation." Co-presented with Joseph E. Uscinski at the 2006 Annual Meeting of the American Political Science Association, Chicago, Illinois.
"Latinos and African Americans Post-Katrina: A Rainbow After the Storm?" Co-presented with Sylvia Manzano at the 2006 Southwestern Social Science Association Annual meeting, San Antonio, TX.
"Latinos in Congress: The Impact of Descriptive Attributes on Substantive Representation." Co-presented with Mike Rocca at the 2006 Western Political Science Association Annual meeting, Albuquerque, NM.
Friends or Foes? Determinants of Latino Internal Discrimination." Paper Presented at the 2006 Western Political Science Association Annual meeting, Albuquerque, NM.

E. INTERNSHIPS
Ten outstanding undergraduates worked as Congressional Interns in Washington, DC, during the academic year. Dee Baker, Christopher Miller, Angela Gonzalez-Aller, Marcus Romero, Moanna Wright, Benjamin Mills, Elena Suffling, Dustin Taylor, Tracy West, and Kristen Woodruff lived in Washington, DC, working as Congressional Interns while enrolled as full-time UNM students.

Ten junior and senior students were selected to serve one-week internships during the 2007 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 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.

F. SCHOLARSHIPS AND FELLOWSHIP AWARDS

The department awarded twelve 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 $830,754, including on-going studies funded by the Ford Foundation, National Science Foundation, Brush Foundation, and the Richardson-Smith Foundation on gender and multicultural leadership, how attribution of blame shapes preferences in policy-making, reproductive health policy, and the politics of Eurasian integration.

H. FACULTY HONORS AND APPOINTMENTS

Kathy Hochstetler was appointed Gallegos Lecturer in Political Science for 2006-2007. Lonna Atkeson received the College of Arts & Sciences Gunter Starkey Teaching Award and a fellowship from the Society for Political Methodology. Christine Sierra was named a 2006 Latino Educator by La Herencia Magazine. Lonna Atkeson, Christine Sierra, and William Stanley were promoted to Full Professor, and Christopher Butler was promoted to Associate Professor.

II. SIGNIFICANT PLANS

A. CURRICULUM DEVELOPMENT

The Center for Security, Technology, and Policy, a collaborative venture of UNM and Sandia National Laboratories, awarded grants in the amount of $5,000 for projects that teamed faculty from sciences and engineering with faculty from the social sciences and humanities. The grants were developed as support of jointly taught interdisciplinary undergraduate and graduate courses that highlight the relationship between public policy and science and technology.

The Robert Wood Johnson Center for Health Policy at UNM, started with an initial commitment of $18.5 million, was established to train the next generation of Latino and Native American Political Scientists, Economists, and Sociologists to become leaders in national debates about health policy. The Department of Political Science looks forward to working with our colleagues in the Social Sciences and in the Public Health program to develop curriculum in the field of health policy and politics to prepare our RWJF graduate fellows for successful careers in the discipline.

B. RECRUITMENT

Political Science looks forward to hiring a scholar of health policy and politics funded by the Robert Wood Johnson Foundation endowment. We also anticipate the opportunity to hire a scholar of Latin American Politics to maintain our national reputation of excellence in the study of Latin American Politics. We are also in the early stages of planning to raise money for an endowed professorship in the study of Hispanic Politics in honor of Chris Garcia, a national leader in the study of Latino politics and former President of the University of New Mexico.

III. APPOINTMENTS TO FACULTY/STAFF

Eric S. McLaughlin, Assistant Professor
Kathy L. Powers, Assistant Professor
Elizabeth Leahy, Administrative Assistant

IV. SEPARATIONS OF FACULTY/STAFF

Benjamin Goldfrank, Assistant Professor
Bonnie Leigh Reifsteck, Administrative Assistant

V. PUBLICATIONS

Atkeson, Lonna R.

Coauthored with Nancy Carrillo. 2007. "More is Better: The Impact of Female Representation on Citizen Attitudes Toward Government Responsiveness," *Gender and Politics* 3(1):79-101.

Coauthored with Lorraine Tafoya. 2007. "Close, but Not Close Enough: Democrats Lose Again by the Slimmest of Margins in New Mexico's First Congressional District," In *War Games: Issues and Resources in the Battle for Control of Congress*, edited by David Magleby and Kelly Patterson, Provo: Center for the Study of Elections and Democracy, Brigham Young University.

Coauthored with Patricia Jaramillo. 2007. "Primaries," in the International Encyclopedia of the Social Sciences, 2nd edition, edited by William A. Darity, Macmillan.

Coauthored with Alvarez, R. Michael, and Thad E. Hall. 2007. "The New Mexico Election Administration Report: The 2006 New Mexico Election," typescript, University of New Mexico.

"The 2006 New Mexico Election Administration Voter Report," University of New Mexico. 2007.

"The 2006 Colorado Election Administration Voter Report," 2007.

Contributor *The New Mexico Capitol Report*, Edited by Harold Morgan. 2007.

Butler, Christopher K.

Coauthored with Mary J. Bellman and Oraz Kichiyev. "Assessing Power in Spatial Bargaining: When is There Advantage to Being Status-Quo Advantaged?"*International Studies Quarterly* 51(3): 607-23. 2007.

"Prospect Theory and Coercive Bargaining." *Journal of Conflict Resolution*, 51(2): 227-250. 2007.

Garcia, F. Chris

Co-authors-editors, Gilbert St.Clair, Paul Hain, Kim Seckler..Governing New Mexico. Albuquerque: NM: University of New Mexico Press, 2006.

Gleason, Gregory

"The Uzbek Expulsion of U.S. Forces and Realignment in Central Asia." *Problems of Post-Communism.* 53, 2 (2006): 49-60.

Hansen, Wendy L.

Coauthored with Jeffrey Drope. "Does Firm Size Matter? Analyzing Business Lobbying in the United States," *Business and Politics*, 8:2 August 2006

Hochstetler, Kathryn A.

Co-edited with Michele Betsill and Dimitris Stevis. *Palgrave Advances in International Environmental Politics*. Hampshire, UK: Palgrave, MacMillan, Palgrave Advances Series. 2006.

Rethinking Presidentialism: Challenges and Presidential Falls in South America. *Comparative Politics* 38, 4: 401-418. 2006.

The Multi-level Governance of GM Food in Mercosur. In *The International Politics of Genetically Modified Food: Diplomacy, Trade, and Law*, ed. Robert Falkner. Hampshire,UK: Palgrave MacMillan, 157-173. 2007.

Coauthored with Melinda Laituri. Methods in International Environmental Politics. In *Palgrave Advances in InternationalEnvironmental Politics*, ed. M. Betsill, K. Hochstetler, and D. Stevis. Hampshire, UK: Palgrave MacMillan, 82-109. 2006.

Environmental Movements. In *Encyclopedia of Globalization*, ed. R. Robertson and J.A., Scholte. New York: Routledge, 2006.

Krebs, Timothy B.

Coauthored with David B. Holian. 2007. "Competitive Positioning, Deracialization, and Attack Speech: A Study of Negative Campaigning in the 2001 Los Angeles Mayoral Election." American Politics Research 35:123-149.

Peceny, Mark J.

Co-authored with Michael Durnan. "The FARC's Best Friend: United States Anti-Drug Policies and the Deepening of Colombia's Civil War in the 1990s," *Latin American Politics and Society*, Vol. 48, No. 2, pp. 95-116, Summer 2006.

"Democracy Promotion and US Foreign Policy: Afghanistan, Iraq, and the Future," *American Foreign Policy in a Globalized World*, Edited by David Forsythe, Patrice McMahon, and Andrew Wedeman, New York: Routledge, pp. 215-240, 2006.

Co-authored with Jeffrey Pickering, "Can Liberal Intervention Build Liberal Democracy?" *Sustaining the Peace: War Prevention and Peacebuilding in Post Conflict Societies*, Edited by James Meernik and T. David Mason, New York: Routledge, 130-148, 2006.

Ross, Andrew L.

"The 'New Strategic Triangle' and the U.S. Grand Strategy Debate, with Peter Dombrowski, in Jan Hallenberg and Håkan Karlsson, eds., *Changing Transatlantic Security Relations: Do the U.S., the EU and Russia Form a New Strategic Triangle?* (London: Routledge, 2006).

Rocca, Michael S.

"Non-Legislative Debate in the House of Representatives." *American Politics Research* 35: 489-505. 2007.

Sanchez, Gabriel R.

"The Role of Group Cohesion In Political Participation Among Latinos In The United States." *American Politics Research* 34: 427-450. 2006.

"The Role of Group Consciousness in Latino Public Opinion." *Political Research Quarterly* 59: 435-446. 2006.

Sierra, Christine M.

Coauthored with Carol Hardy-Fanta, Pei-te Lien, and Dianne Pinderhughes. "Gender, Race and Descriptive Representation in the United States: Findings from the Gender and Multicultural Leadership Project." Journal of Women, Politics & Policy, Vol. 28,Nos. 3/4 (2006).

"Latinas in the National Council of La Raza," in Latinas in the United States: A Historical Encyclopedia. Edited by Vicki L. Ruiz and Virginia Sanchez Korrol. Indiana University Press, 2006.

The Transnational Politics of U.S. Immigration Policy by Marc R. Rosenblum. La Jolla, CA: Center for Comparative Immigration Studies, University of California, San Diego, Monograph No. 3, 2004. Reviewed in The American Review of Politics, Vol. 27 (Summer, 2006): 179-181.

Stanley, William D.

"El Salvador: State-Building Before and After Democratisation, 1980-1995," *Third World Quarterly*, 27 (1) Winter 2006, pp. 101-114.

VI. NOTEWORTHY OUTSIDE PROFESSIONAL ACTIVITIES OF FACULTY

Department editorial board memberships

American Association for the Advancement of Science
American Journal of Political Science
American Political Science Association
American Political Science Review
American Politics Quarterly
American Politics Research
American Review of Politics
Comparative Politics
Conflict Management and Peace Science
European Union Politics
Foreign Policy Association
Global Environmental Politics
International Organization
International Studies Association
International Studies Perspective
International Studies Quarterly
Journal of Politics
Perspective on Politics
Political Research Quarterly
Urban Affairs Review

Served as officers or members of key committees in national or regional professional organizations

Lonna Atkeson served as Council Member, Political Organizations and Parties; Section Chair, Elections, Voting Behavior and Public Opinion; and Chair, Emerging Scholar Award, Political Parties and Organizations Section, all for the American Political Science Association. She also served on the Midwest Political Science Association, Best Paper by an Emerging Scholar Award Committee and as President of the Southwestern Political Science Association, 2006-2007.

Kathy Hochstetler served on the Brazilian Studies Association Executive Committee. She also served on the editorial board of *Global Environmental Politics*, and the National Screening Committee, U.S. Student Fulbright Program, Brazil.

Timothy Krebs served as Book Review Editor, Urban Affairs Review, and as Chair, Urban Data and Research Committee, Urban Politics Section of the American Political Science Association.

Christine Sierra served as a committee member for the College-Level Examination Program (CLEP) Social Sciences and History Examination Committee, The College Board/Educational Testing Service.

Selected invited presentations by faculty

Lonna Atkeson

PBS interview guest, *The Line*, Albuquerque, New Mexico, June 29, 2007.

Panelist, Press Conference, *War Games: Issues and Resources in the Battle for Control of Congress*, Washington DC, February 2-3, 2007, Pew Charitable Trusts.

"Voter Confidence: A Local Matter?" at "The Future of Election Reform and Ethics in the State," hosted by Kent State University, Department of Political Science, Columbus, Ohio, January 16-17, 2007 with Kyle Saunders.

Workshop on Voting Technology and Practices, hosted by the Center for the Study of Elections and Democracy at Brigham Young University and the Center for American Politics and Citizenship at the University of Maryland, Salt Lake City, May 7, 2007.

Invited Participant, Political Methodology Conference, Davis California, July 20-23, 2006

Gregory Gleason
"Bad Governance is its own Punishment." University of Toronto, Toronto, Canada, March 30, 2007.

"The Idea of Greater Central Asia." International Conference on Central Asia, Kashmir State University, Srinagar, Kashmir, August 27-30, 2006.

"The Politics of Infrastructure in Central Asia." Institute of World Economy and Policy, Almaty, Kazakhstan, August 23, 2006.

Kathryn Hochstetler
"Creative Approaches to Preserving Biodiversity in Brazil and The Amazon," Connecticut College, April, 2006.

Participant in BRASA VIII Plenary Session, "Brazil at the Crossroads," October, 2006.

Participant in panel, "Brazil's 2006 Presidential Elections, Brazil Institute, Woodrow Wilson Center, September, 2006.

"Environmental Movements: The 'Good' Globalization?" University of New Mexico, International Studies Institute Fall Lecture Series, September, 2006.

Michael Rocca
KNME "The Line," Presidential race analysis, June 2007

KNME "The Line," Live election night analysis, November 2006

KNME "In Focus," 2006 Election analysis, November 2006

Other professional activities off-campus or community and public service
Lonna Atkeson
Reviewer, Tenure and Promotion files, University of Kentucky, University of Georgia, Colorado State University
Contributor, New Mexico Capitol Report
Consultant, Penny Adrian for Congress, Summer 2006

Gregory Gleason
Program Reviewer, Political Science, Texas Tech University, 2007.
Program Reviewer, Political Science, Middle Tennessee State University, 2006.

Ellen Grigsby
Judge. Center For Democracy and Civic Education, We The People. New Mexico State Competition, Santa Fe, NM, December, 2006.
Board of Directors. Western Association of Pre-Law Advisors. 2001- Present.
Board of Directors, Center For Democracy and Civic Education and Democracy, New Mexico. 2005 – Present.
Site Supervisor. New Mexico Law Day, University of New Mexico. 2002 - Present.

Wendy Hansen
2005/2006 American Political Science Association, Section Chair: International Political Economy. Conference: Philadelphia, September 2006.

Kathryn Hochstetler
Brazilian Studies Association Executive Committee, 2006-2008
2007- Editorial board, *Global Environmental Politics*
2007 National Screening Committee, U.S. Student Fulbright Program, Brazil

Christine Sierra
College-Level Examination Program (CLEP) Social Sciences and History Examination Committee, The College Board/Educational Testing Service, 2003-2007.
Common Cause New Mexico, Board Member, 2006 – 2007.

Served on departmental, college, or university committees or held administrative positions outside the department

Lonna Atkeson
Chair, faculty hiring committee American Politics/Public Policy, Fall 2006–Spring 2007
Chair, University Honorary Degree Committee, AY 2006-07
Director, Legislative Internship Program, Fall 2005-present
Director, Department Honors Program, 2002-present

Christopher Butler
Departmental Colloquium Coordinator, 2005-present.
President of the UNM Chapter of Phi Kappa Phi, 2003-7.

Wendy Hansen
Member, Graduate Committee, Department of Political Science, UNM, 2006-2007.

Kathryn Hochstetler
Executive Committee 2006-2007
Graduate Committee 2006-2007
Search Committee 2006-2007

Timothy Krebs
Graduate Advisor, University of New Mexico, Department of Political Science, 2006-
Search Committee, Director, Institute for Public Policy, University of New Mexico, 2006-2007
Institute for Public Policy (IPP) Working Group, University of New Mexico, Summer 2006

Mark Peceny
Chair, Department of Political Science
Interim Director, Institute for Public Policy
International Studies Institute Board
Steering Committee, Robert Wood Johnson Foundation Center for the Study of Health Policy at UNM

Michael Rocca
Working Group for Institute of Public Policy, Department of Political Science, Summer 2006
Steering Committee for Institute of Public Policy, Department of Political Science, 2006 –
Member, Organizational and Selection Committee, Fred Harris Congressional Internship Program, 2005 –
UNM Library Liaison, Department of Political Science, 2005 –
Faculty Advisor for UNM student group, The National Society of Collegiate Scholars, Spring 2007 –
Faculty Advisor for UNM student group, Students for Bill and Diane, Fall 2005 –

Gabriel Sanchez
Member, Undergraduate Committee

William Stanley
Secretary, Executive Committee and Faculty Concilium, LAII, 2005-2007 (elected position)

VII. SPONSORED RESEARCH

VIII. OUTSIDE-SPONSORED RESEARCH

Lonna Atkeson
National Science Foundation, (SES-0553081), Supplemental: "Who's to Blame? Public Perceptions of the Aftermath of Hurricane Katrina" with Cherie Maestas

Faculty Consultant, 2006 Federal Elections, Pew Charitable Trusts

Deborah McFarlane
Brush Foundation, "*Learning from Experience: Accounts and Advice from Pioneers in Reproductive Health*"

Christine Sierra
Ford Foundation, "Gender and Multicultural Leadership: The Future of Governance"

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ANNUAL REPORT

2006-2007

DEPARTMENT OF PSYCHOLOGY

Ronald A. Yeo, Ph.D.
Professor and Chair

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DEPARTMENT OF PSYCHOLOGY

STATEMENT OF MISSION

The Department of Psychology shares with other academic departments at the university its raison d'être: the discovery and dissemination of knowledge. It shares with other science departments a commitment to empirical research. The distinguishing feature of this purpose for a psychology department is that the knowledge being sought concerns the individual organism, and most typically the behavior of the individual person.

The UNM Department of Psychology embraces a number of goals, which serve to give the program a distinctive flavor. These are reflected in the mission of the Department, which is to:

- Create a supportive environment in which faculty and students associated with the Department are encouraged to achieve their maximum potential as scholars.

- Promote a scientific approach to psychology, emphasizing both experimental and correlational methodologies as historic traditions.

- Encourage respect for and openness to a variety of theoretical, philosophical, and empirical approaches, with the view that the study of psychology is enriched by the interaction of multiple perspectives.

- Value active research programs within the Department and in collaboration with colleagues outside the Department.

- Maintain excellence in clinical and experimental psychology and foster the growth of neuroscience approaches to the study of learning, memory, and cognition.

- Encourage and support effective teaching both in communicating psychology to undergraduates as an area of major study and a critical part of a liberal arts education, and in training graduate students at a professional level.

- Train graduate students in the application of general experimental psychology in clinical and other professional settings.

- Ensure that graduate students in all areas are well trained in methodology and ethics appropriate for their effective functioning as researchers and professionals.

- Enable students to understand the development and operation of psychology in the context of diversity within the larger culture, and its application in the culture of the Southwest in particular.

- Be actively involved in service to the university, the community, the state, and the profession.

- Evaluate, in an ongoing fashion, our performance as a Department with respect to our mission, and revise this Statement of Mission to accommodate to changing situations.

ANNUAL REPORT - AY 2006-2007

DEPARTMENT OF PSYCHOLOGY

Ronald A. Yeo, Chair

I. Department Information and Achievements

A. Departmental Administration and Structure

The Department continued with the administrative structure adopted in 1995. Ronald Yeo began serving as Chair on 5/15/04. The Department's major administrative committee, the Planning and Policy Committee, consisted of the Department chair, the associate chair for graduate education, Steven Gangestad, the associate chair for undergraduate education, Gordon Hodge, and the heads of the Department's five areas of study. These areas and their respective heads were: Clinical (Michael Dougher), Learning and Cognition (Timothy Goldsmith), Evolutionary/Developmental (Steven Gangestad), Quantitative (Harold Delaney), and Behavioral Neuroscience (Vince Clark). To facilitate planning and organization, three new procedures were established. All general faculty meetings were scheduled at the beginning of the semester. The week before each general faculty meeting, the Policy and Planning Committee met to discuss relevant agenda items. Also, minutes from general faculty meetings were typed and distributed.

As in past years, the governance and functioning of the Department relied heavily on a number of faculty members who served effectively on important departmental committees. Particularly noteworthy was the very important and time-consuming work of the Graduate Admissions Committee (chaired by Jane Smith). The Graduate Admissions Committee was faced with the task of selecting the very best applicants from a pool of 184. Outstanding graduate students are essential to any good research department, and the Admissions Committee is to be commended for its work in recruiting an impressive class of new students.

The Department benefited again this year from the Quad-L Trust, which was endowed through the UNM Foundation by University 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. Michael Dougher serves as faculty advisor to the Quad-L. The Department is also going to benefit greatly from a new trust established by the late Emeritus Professor Robert G. Grice. These funds will primarily be used to provide graduate student stipends and graduate student research support.

B. Faculty

In January 2007 Dr. Kent Kiehl was added to our faculty as an Associate Professor. Dr. Kiehl is an expert in human brain imaging and was previously on the faculty of the Department of Psychiatry at Yale. He brings with him four NIH grants focusing on brain abnormalities associated with psychopathy.

The research activities of the faculty are summarized in Appendices A-C. It is particularly noteworthy that this year our extramural funding exceeded 7.9 million dollars (see Appendix B). This is certainly 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. We are hopeful that we can continue this high level of funding in the future. Appendix C provides a list of faculty and a list of their publications for the year. Our publication rate per FTE is higher than at any time in the past 5 years. 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.

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. Indeed, Professor McDaniel's departure in 2004 was partly related to salary matters. The salaries of some of our faculty are as much as 20% below national and regional norms. The salary increases this year did not appreciably alter our standing 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.

Professional Appointments. There were a number of other individuals within UNM and the professional community of Albuquerque who made major contributions to our teaching, training and research missions. Foremost among these are our four visiting faculty members: Milton Strauss, Janis Anderson, Jose Navarro Guzman, and Kamilla Venner.

Research faculty status is granted to individuals who have excellent research records, provide research opportunities for our students, and receive extramural funding. Four 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.

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 D.

C. Graduate Education

In the spring of 2007 our entire department underwent an academic program review, the first since 1995. The major issues raised by this report are discussed in sections below; the overall summary is provided here: Overall, the Committee finds the Department to be

performing remarkably well relative to the resources available to it. Our judgment on the three primary questions posed in our charge letter is that the Department has made very reasonable choices about the balance of resources between upper-level vs. lower-level undergraduate instruction, about the balance of resources between undergraduate and graduate instruction, and about areas in which to specialize in its scholarship. However, in each of these domains, the outcome is not entirely satisfactory, overwhelmingly because the resources available to address them are far from adequate. Principal concerns are faculty understaffing in several of the content areas on which the Department wishes to focus; the ethical, didactic, and pragmatic limitations of the Clinic; and especially the impact on undergraduate education of the extraordinarily low ratio of faculty to undergraduate students.

Our American Psychological Association (APA) accredited Clinical Psychology program was reviewed *last year*. After submitting a detailed self-study in May of 2004, a three-member team from APA visited UNM in November of 2005. Our program was granted full accreditation for a three-year period. The strengths noted included the quality of the faculty and the graduate students, as well as the intellectual climate of the Department. Suggested areas of improvement were better monitoring of student outcomes, a more programmatic effort for including multicultural issues across the curriculum, and space problems in the Psychology Department Clinic.

87 graduate students are currently enrolled in the Department. This year, the Department awarded 7 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 E. This brings the total of Ph.D. degrees awarded by the Department to 340. In addition, the Department awarded 15 Master of Science degrees this year. These degree recipients along with the titles of their theses and faculty advisors are also listed in the second half of Appendix E.

The faculty used the criteria and guidelines that were revised six years ago to evaluate each student's research productivity and degree progress. This exercise proved very useful in that each of the major areas gained a clear picture of their students' progress and were able to give specific feedback to each student. Based on this evaluation process, it is clear that our graduate students continue to be very active in both research and teaching.

The Department received 184 highly qualified applicants to the graduate program for AY 2006-2007. Fortunately, the Department was able to provide some financial support to 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 teaching assistants (TAs). This presented a problem because the ratio of the number of courses needing TAs to the number of TAs funded creates an excessive workload for our TAs. The Department simply has not received sufficient TA/GA funding to cover its needs. Moreover, TA 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 emerging problem is difficulty in covering tuition for our graduate students who are supported through other mechanisms than our TA/GA budget.

In the face of all of this, the Graduate Admissions Committee under the leadership of Jane Smith continued its efforts to attract the very best applicants to our graduate program. Its

efforts paid off in that we were able to admit twelve very good students to our program this year. These students, their areas of study, and their advisors are listed in Appendix F.

The major issues regarding graduate education raised by our Academic Program review were:

1. The Psychology Department Clinic, which is the primary training facility for our clinical Ph.D. students, is inadequate. The report stated:

> The department's Clinic, which is 10 minutes' walk from Logan Hall, remains in the same building that the 1995 External Review Committee report described as "old and dilapidated." That space is now 12 years older and presently is below minimum as a resource for research training and clinical service to the community. Visually the office space is well below par for routine professional offices typically found in a community. The waiting room is quite cramped, and the facility is understaffed, greatly limiting the type of practica that are possible. Remarkably, there is not a single one-way mirror in the facility, a necessity for live observation. This is needed not only for supervision but for training of other student clinicians observing faculty or student clinicians.
>
> Although the Clinic appears to be well run given its current resources, the present Clinic facilities also preclude developing a practicum plan better grounded in the science of psychology and in line with the direction that leading programs increasingly are taking. Specifically, a growing model for clinical practica is a series of specialty clinics, housed in a single facility, with several of the regular Clinical faculty each offering didactic and supervisory teaching around a set of clinical phenomena and appropriate assessment or intervention technologies. For example, a practicum could focus on anxiety, substance abuse, or neuropsychological assessment. Shared resources (e.g., receptionist, office space, advertising, backup supervision, observation facilities) can foster cross-fertilization between practica and between training in clinical research and training in clinical service.
>
> Thus, aside from ethical and pragmatic problems with the current Clinic space, it limits the potential success of the program's promising evolution into a clinical science program. The cost in terms of practicum options was noted above. In addition, locating the Clinic in or adjacent to Logan Hall is vital for fostering clinical research/service integration, for a variety of reasons including faculty access to and visibility in the Clinic. Adequate space for the Clinic, whether via relocation or substantial remodeling and expansion, should be regarded as an urgent ethical imperative, beyond the evident pedagogical and public-service appeal of such an upgrade.

2. Another issue was the number and breadth of graduate training areas:

> An issue raised in the charge letter to the Review Committee was whether it has been a wise choice for the Department to emphasize a few areas of expertise and whether it has been done optimally. Given the small absolute size of the

faculty relative to the domain of psychology normally covered at research universities and relative to the exceptionally high teaching demands on this department, the Committee views some degree of specialization as necessary. The particular configuration of emphases now in place and currently articulated, however, is problematic, in terms of both the viability of some areas and the alignment of resources in the Department in relation to its advertised graduate training strengths.

3. Finally, the report raised concerns about diversity of our faculty:

> We were surprised to learn that the campus does not have a standing target of opportunity program to encourage hiring of faculty belonging underrepresented groups. The Provost described a small program he hopes to establish, but it would be minimal in terms of absolute dollars and in providing only temporary salary support. A more substantial campus commitment will no doubt be needed in order to succeed. For example, departments would have an incentive to expand through diversification if at least a portion of faculty salaries lines were provided long-term by the Provost or college.
>
> The Psychology Department is a particularly good place to invest such resources because of the diversity of its content coverage, the relatively high diversity of the undergraduates and (in Clinical Psychology) the graduate students it attracts and the relative diversity (at least in Clinical Psychology) of the faculty hiring pool. In turn, psychology courses appeal to an unusually wide swath of campus, so that students of color or having other underrepresented or under-acknowledged characteristics would benefit from a more diverse, representative, and enlightened Department of Psychology.

The Department is currently engaged in vigorous discussions about how best to respond to these issues.

D. Undergraduate Education

Stated simply, the undergraduate education productivity of the Department's faculty and staff is enormous and among the highest in the College. As of the spring semester, the Psychology Department had a total of 783 undergraduates with a declared major in psychology who were admitted to a major college, plus another 297 in undergraduate studies. 500 bachelors degrees were awarded, the highest ever. The Department offers a wide variety of courses, ranging from introductory psychology to advanced courses in learning and memory, cognition, clinical/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.

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 yearlong research project, has been especially attractive to Psychology

majors who go on to pursue graduate work in Psychology. Appendix G lists our 2006-2007 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 Karin Butler was the senior honors instructor. By all accounts, student presentations were excellent.

For the 16th consecutive year, the Department hosted a spring commencement ceremony for its graduating students. The commencement address was delivered by Professor David Witherington. Previous addresses have been delivered by 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, Candace Blashak, organized the ceremony and she and her staff handled all of the arrangements. Counting the faculty, the graduates, their families and friends, almost a thousand people attended the ceremony. Needless to the say this is a huge and costly (over $5,000) undertaking for the Department, but judging by the very positive comments from both the graduates and faculty, it is well worth the expense and effort.

The major issues regarding undergraduate education raised by our Academic Program review were:

1. We have too many undergraduate students and too few faculty.

> A major challenge for the department is teaching a large number of undergraduate students with a disproportionately small faculty. The College of Arts and Sciences (A&S) reports that there are 668 declared majors and 342 declared minors, a total of 1010 students. Elsewhere the total is reported to be 1080. Even using the smaller figure, the number of majors plus minors per faculty member is 52.1, in stark contrast to the 14 other A&S units listed in the self-study, which average 11.8 per faculty member (ranging from 2.1 in Physics and Astrophysics in to 36.1 in Sociology). That Psychology is carrying a load nearly 5 times higher than its peer departments in the College is quite striking.

2. The department's and the College's academic advising activities were not reaching enough students.

> A critical problem seems to be lack of communication among various levels of advisors at UNM, as well as communication with students. Many students complained of advisors claiming not to know the relevant rules and shuffling the student across campus to another advisor. (The complaints were not about the quality of advice provided by the departmental advisor, they were about advising at other levels and about lack of information about when and how to use the departmental advisor.) Whether this is a matter of diffusion of responsibility among three levels of advising, or training of individual advisors, or something else, we do not know. The University needs better ways to inform students about the advisors that they need to see for various purposes and at different stages in the undergraduate career.

3. The Psychology Building, Logan Hall, is inadequate for current uses.

> Logan Hall was built for a smaller faculty conducting research quite different from the mainstream of the field today. There has been little remodeling of the building over the years, and parts of it look dingy. This is exacerbated by poor lighting, particularly in the basement. The amount of space available for laboratories and offices is becoming an increasing problem, which will become more severe with new and potential new hires.

E. Staff

The Department of Psychology continues to benefit from an extremely competent support staff. The core administrative support staff (Candace Blashak, Stan Bennett, Trish Aragon-Mascareñas, Carol-Ann Griffin, Jeani Sarosy, and Mary Justus) skillfully handles the basic functions essential to the day-to-day operations of the Department. These people get the Department's administrative work done competently and efficiently. Candace Blashak (Department Administrator) and Stan Bennett (Department Financial Administrator) are very experienced and capable administrators. Carol-Ann Griffin assists Stan Bennett in accounting and finance. Mary Justus efficiently deals with the myriad day-to-day jobs required of a large department with many graduate and undergraduate students. Trish Aragon-Mascareñas expertly advises students, helps organize teaching schedules, and manages all communications with the Office of Graduate Studies (OGS). Jeani Sarosy started as Administrative Assistant in the fall, and also worked in student advisement. By any measure, this is the best core staff the Department has had in many years.

Our research support staff again includes Gilbert Borunda, Senior Lab Animal Technician, Ector Estrada, Animal Research Coordinator, Patrick Sharp, Research Engineer. We have a new veterinarian, Dr. Kevin O'Hare. The outstanding experience, skills and efforts of these individuals are invaluable and facilitate a wide range of research activities in our Department. The Department is very appreciative of their important contributions.

The success of the Psychology Clinic is due in large measure to the administrative skills of Dan Matthews, who completed his 17th year as Clinic Staff Director this spring. Dan continues to be effectively assisted in his duties by Wanda Sharts, the Administrative Assistant. .

F. Space

As has been highlighted in the Department's Annual Report for the past sixteen years, our Department is not well accommodated by its current space allocation. We need a new building or a significant addition to the existing building. Currently, we have insufficient staff space in order to function optimally, and more importantly, insufficient research laboratory space. Unfortunately, during the past few years we have had to continue to convert graduate student offices into faculty research space. Even with this, we do not have sufficient, suitable research space in the building to accommodate the high level of faculty research activity that has been attained in recent years. 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 an addition has been acknowledged on the University's Capital Projects list. As noted earlier, our

Psychology Department Clinic. These space issues remain a priority for our long-term development.

APPENDIX A

DEPARTMENT OF PSYCHOLOGY SUMMARY STATISTICS

	AY 2002-2003	AY 2003-2004	AY 2004-2005	AY 2005-2006	AY 2006-2007
Faculty Information					
Voting Faculty (total)	21	24	22	21	22
Professors	11	11	9	7	7
Associate Professors	5	5	5	5	5
Assistant Professors	4	7.5	7.5	9	10
Budgeted FTE Faculty	20	22.5	21.5	19.4	20.06
Visiting Faculty	1	3	1	1	1
Research Activities					
Books and Articles	90	71	72	93	109
Extramural Support	23,392,552	8,232,120.10	7,187,187.91	6,627,298.5	7,948,804
General Information					
FTE Staff	12.25	12.25	12.25	12.63	12.82
Department Budget	1,988,047	2,228,702	2,228,702	2,261,188	2,279,177

APPENDIX B

DEPARTMENT OF PSYCHOLOGY CURRENT OUTSIDE-SPONSORED RESEARCH

AMOUNTS THAT INCLUDE THE CURRENT YEAR 2006-2007

Catherine Baca—Principal Investigator

National Institutes of Health (NIH); "Primary Care Intervention"; $220,601.90; 9/1/03-8/31/08

Vincent Clark—Principal Investigator

National Institute on Drug Abuse/National Institutes of Health (NIH)/United States Department of Health & Human Services (DHHS); $1,202,689; 9/30/01-6/30/07

Harold Delaney—Principal Investigator

Metanexus Institute on Religion and Science; "Spiritual Direction: Antecedents of Transformation": $43,023.58; 6/1/03-10/01/06

Steven Gangestad/Randy Thornhill—Principal Investigator

National Science Foundation; "Genetic Conflicts of Interest, Fluctuating Asymmetry, and the MHC"; $340,883; 08/01/02-01/31/08

Timothy Goldsmith/Peder Johnson—Principal Investigator

Federal Aviation Administration (FAA); "Training and Assessing Aircrew Skills: Methods to Achieve Reliable and Valid Performance Data"; $200,000; 10/26/05-05/31/07

Timothy Goldsmith---Principal Investigator

Federal Aviation Administration; "Structural Knowledge Analysis of Aviation Safety Reports", $85,000; 4/10/07-10/10/07.

Derek Hamilton -- Principal Investigator

National Institutes on Alcohol Abuse and Alcoholism/NIH/DHHS; "Prenatal Ethanol, social Behavior and Prenatal Cortex"; $358,433; 4/17/06-3/31/07

Gordon Hodge ---Principal Investigator

Washington University in St. Louis; "Test Enhanced Learning", $168,495; 8/1/06-7/31/07.

Dan Mathews---Principal Investigator

Second Judicial District Court; "FAIR-Family Assessment and Intervention Resources"; $101,384; 7/1/06-6/30/07.

Molly McCoy-Brack---Principal Investigator

NM Department of Health; "AGORA Crisis Line"; $200,000; 7/1/06-6/30/07.

William Miller—Principal Investigator

National Institute on Drug Abuse (NIDA); Clinical Trial Network"; $881,536.05; 9/01/03-8/31-07

National Institute on Drug Abuse (NIDA); "Clinical Trial Network"; $6.04; 9/1/03-8/31/07

National Institute on Drug Abuse (NIDA); "Clinical Trial Network"; $1,405,798.40; 9/1/03-8/31/07

Johnson Foundation; "Innovator Award Process"; $105,879.46; 12/15/03-12/31/07

National Institute on Alcohol Abuse and Alcoholism (NIAAA); "Combine Year 8"; $261,258.12; 9/1/04-8/31/07

Theresa Moyers—Principal Investigator

National Institute on Alcohol Abuse and Alcoholism (NIAAA); "How does MI Reduce Alcohol?;" $185,174.73; 9/16/02-8/31/07

Department of the Army; "MI in Prevention of Alcohol Abuse"; $224,092.44; 7/26/01-8/31/07

Loyola University; "Trauma Center Brief Intervention" (subcontract); $33,604; 8/21/06-07/31/07

Bruce Smith--- Principal Investigator

Sandia National Laboratories; "The Role of Emotion Regulation in Decision Making and Action in Critical Situations", $40,000; 10/1/06-9/30/07.

Jane Ellen Smith/Robert Meyers—Principal Investigator

National Institute on Alcohol Abuse and Alcoholism (NIAAA); "CRA and Enhanced Job Training for Homeless Women"; $323,775.45; 08/01/01-07/31/06

Akaysha Tang – Principle Investigator

Sandia National Laboratories; "Construction, Extraction, and Validation of Human Brain prints From High-Density EEG"; $349,999; 2/15/06-9/30/07

J. Scott Tonigan—Principal Investigator

National Institute on Alcohol Abuse and Alcoholism (NIAAA); "Research Triangle"; $13,973.14; 8/2/00-7/31/06

National Institute on Alcohol Abuse and Alcoholism (NIAAA); "Change Mech. in AA"; $106,921.65; 9/1/01-9/29/06

United States Department of Health & Human Services (DHHS)/National Institute on Drug Abuse/National Institutes of Health (NIH); "A Transtheoretic Model"; $323,379.23; 4/15/04-3/31/09

National Institute of Health (NIH); "AA Social Dynamics"; $131,792; 9/30/06-8/31/11

Kamilla Venner—Principal Investigator

National Institute on Alcohol Abuse and Alcoholism (NIAAA); "Cult Appropriate Treatment"; $92,887.49; 9/30/02-8/31/08

Steven Verney---Principal Investigator

University of Colorado; "Native Investigator's Development Program", $74,915; 7/1/06-6/30/07.

Michael Villanueva—Principal Investigator

National Institute on Alcohol Abuse and Alcoholism (NIAAA); "Zuni Pueblo Veteran Project"; $120,258.87; 3/15/01-7/31/07

Ronald Yeo—Principal Investigator

National Institute of Neurological Disorders and Stroke/National Institutes of Health (NIH); "Brain Metabolism & Traumatic Brain Injury in Children"; $367,029; 10/01/02-04/30/06

APPENDIX C

FACULTY PUBLICATIONS

DEPARTMENT OF PSYCHOLOGY

UNIVERSITY OF NEW MEXICO

AY 2006-2007

BUTLER, KARIN M.

Butler, K. M. & Zacks, R. T. (2006). Age deficits in the control of prepotent responses: Support for an inhibitory decline. Psychology and Aging, 21, 638-643.

CIESIELSKI, KRISTINA T.

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Ciesielski, K.T., Lesnik, P.G., Savoy, R.L., Grant, E.P. & Ahlfors, S.P. Developmental Neural Networks in Children Performing a Categorical N-Back Task. "NeuroImage", 2006, 33: 980-990.

CLARK, VINCENT P. (none)

DELANEY, HAROLD D.

Kunitz, S. J., Delaney, H. D., Layne, L. J., Wheeler, D. R., Rogers, E. M., & Woodall, W. G. (2006). Small-area variations in conviction rates for DWI: The significance of contextual variables in a southwestern state. Accident Analysis & Prevention, 38, 600-609.

Hettema, J. E., & Delaney, H. D. (2007). Can a Physicist Priest Speak to Psychologists? Review of John Polkinghorne's *Science and Creation: The Search for Understanding.* PsycCritiques, 52, (Issue 19, May 9, 2007), 7 pp.

DOUGHER, MICHAEL J. (none)

ERICKSON, SARAH

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Erickson, S.J. & Gerstle, M. (2007). Developmental considerations in measuring children's disordered eating attitudes and behaviors. Eating Behaviors, 8, 224-235.

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Zelenko, M. & Erickson, S.J. (in press; 2007). Attachment and related psychopathology. In H. Steiner (Ed.) The Stanford University School of Medicine Handbook of Developmental Psychiatry for Children and Adolescents. NY, NY: Jossey-Bass.

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GANGESTAD, STEVEN W.

Gangestad, S. W., Haselton, M. G., & Buss, D. M. (2006). Evolutionary foundations of cultural variation: Evoked culture and mate preferences. Psychological Inquiry, 17, 75-95.

Gangestad, S. W., Haselton, M. G., & Buss, D. M. (2006). Toward an integrative understanding of evoked and transmitted culture: The importance of specialized psychological design. Psychological Inquiry, 17, 138-151.

Thoma, R. J., Yeo, R. A., Gangestad, S., Halgren, E., David, J., Paulson, K. M., & Lewine, J. D. (2006). Developmental instability and the neural dynamics of the speed-intelligence relationship. NeuroImage, 32, 1456-1464.

McIntyre, M. H., Gangestad, S. W., Gray, P. E., Chapman, J. F., Burnham, T. C., O'Rourke, M. T., & Thornhill, R. (2006). Romantic involvement often reduces men's testosterone levels—but not always: The moderating effect of extra-pair sexual interest. Journal of Personality and Social Psychology, 91, 642-651.

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Gangestad, S. W. (2007). Reproductive strategies and tactics. In R. I. M. Dunbar & L. Barrett (Eds.), Oxford handbook of evolutionary psychology (pp. 321-332). Oxford, UK: Oxford University Press.

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Wallace, D. G., Hamilton, D. A., & Whishaw, I. Q. (2006). Topographic and kinematic characteristics of movement support a role for dead reckoning in organizing exploratory behavior. Animal Cognition, 9, 219-228.

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Calhoun, V.D., Adali, T., Giuliani, N.R., Pekar, J.J., Kiehl, K.A., & Pearlson, G.D. (2006). Method for multimodal analysis of independent source differences in schizophrenia: Combining gray matter structural and auditory oddball functional data. Human Brain Mapping, 27, 47-62.

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Epstein, E.E., Rhines, K. C., Cook, S., Zdep-Mattocks, B., Jensen, N. K., & McCrady, B. S. (2006). Changes in alcohol craving and consumption by phase of menstrual cycle in alcohol dependent women. Journal of Substance Use, 11, 323-332.

Kingree, J., Thompson, M., McCrady, B. S., & Tonigan, J. S. (2006). The development and initial evaluation of the Survey of Readiness for Alcoholics Anonymous Participation. Psychology of Addictive Behaviors, 20, 453-462.

McCrady, B. S. (2006). Alcohol and other substance use problems. In: A. Carr & M. McNulty (Eds.), Handbook of adult clinical psychology. London: Brunner-Routledge.

McCrady, B. S. (2006). Family and other close relationships. In: Miller, W. R., & Carroll, K. M. (Eds.). Rethinking substance abuse: What the science shows and what we should do about it. New York: Guilford Press.

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Manuel, J. K., McCrady, B. S., Epstein, E. E., Cook, S., & Tonigan, J. S. (in press). The pretreatment social networks of females with alcohol dependence. Journal of Studies on Alcohol and Drugs.

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APPENDIX D

DEPARTMENT OF PSYCHOLOGY COLLOQUIA AY 2006-2007

Colloquium Presented By	Colloquium Title
Steve Alley, Ph.D. Department of Psychology University of New Mexico	*"Clickers in the classroom: The promise and perils of using audience response systems"* September 1, 2006
Rachael Falcon Department of Psychology University of New Mexico	*"An introduction to the research credits web-system for new researchers"* September 8, 2006
Tim Hoyt Department of Psychology University of New Mexico	*"Influences of social support and disclosure: New findings in Operation Iraqi Freedom"* September 15, 2006
Steve Verney, Ph.D. of Psychology University of New Mexico	*"Acculturation in psychological* Department *research: Issues & applications"* September 22, 2006
Roger Schvaneveldt Applied Psychology Arizona State University Polytechnic	*"Abduction and the Logic of Discovery"* September 26, 2006
Philip Dale, Ph.D. Department of Speech & Hearing Sciences University of New Mexico	*"Outcomes of early language delay: Phenotypic, quantitative genetic, and molecular genetic perspectives"* October 6, 2006
Robert B. Noll, Ph.D. Children's Hospital of Pittsburgh	*"Social, emotional, and behavioral functioning of children with severe chronic illness: What is normal?"* October 20, 2006

Charles Goodlett, Ph.D. Department of Psychology Indiana University-Purdue University at Indianapolis	*"Can animal model studies illuminate the road to rational diagnosis, treatment, and prevention of fetal alcohol spectrum disorders?"* October 27, 2006
Jenny Rinehart Department of Psychology University of New Mexico	*"Qualitative Analysis of Sexual Assault Narratives"* November 3, 2006
Michael Escamilla, M.D. Sponsored by the Organization for Multiculturalism and Diversity in Psychology	*"Genetic studies of bipolar disorder and Schizophrenia in Latino populations"* November 17, 2006
Sarah Erickson, Ph.D. Department of Psychology University of New Mexico	*"Repressive adaptive style and self-reported psychosocial functioning in adolescent cancer survivors"* December 8, 2006
Daniel S. Barth, Ph.D. Department of Psychology University of Colorado	*"Fast and Faster Electrical Oscillations in Sensory Cortex: Implications for Feature Binding, Modulation, and a New Clock Speed For Neural Computation"* January 16, 2007
Kent Hutchison, Ph.D. Department of Psychology University of Colorado, Boulder	*"Alcohol and Tobacco Dependence: Leveraging the Human Genome to Develop More Effective Treatments"* February 14, 2007
Angela Bryan, Ph.D. Department of Psychology University of Colorado, Boulder	*"Theory-based approaches to HIV prevention and exercise promotion: Getting kids to use condoms and Getting adults off the couch"* February 22, 2007
Mark H. Pedrotty, Ph.D. Senior Clinical Psychologist Associate Professor, Pediatrics UNMHSC/Carrie Tingley Hospital	*"Pediatric Behavioral Medicine Lab at UNM-HSC: Overview and research opportunities."* February 23, 2007

Michael Otto, Ph.D. Department of Psychology Boston University	*"The facilitative effects of learning enhancing drugs on CBT"* March 22, 2007
Tim Hoyt Department of Psychology University of New Mexico	*"Blogging About Trauma: Linguistic Markers of Recovery"* March 30, 2007
Susan Stevens Department of Psychology University of New Mexico	*"Skill Decay on Rejected Takeoffs as a Function of Expectancy"* April 13, 2007
Ursina Teuscher, Ph.D. Department of Psychology University of New Mexico	*"Time-space synesthesia and conceptual time-space mappings: A look at neural bases and at the Synesthete in all of us"* April 20, 2007
Marcia K. Johnson, Ph.D. Department of Psychology Yale University	*"The Eighteenth Annual Quad-L Lecture "Reality Monitoring"* April 30, 2007
Terri Moyers, Ph.D. Department of Psychology University of New Mexico	*"Chickens and Change Talk: Shaping Behavior in Two Different Contexts"* May 4, 2007

APPENDIX E

DOCTORAL DEGREES AWARDED AY 2006-2007

DEPARTMENT OF PSYCHOLOGY

NAME	TITLE OF DISSERTATION	ADVISOR
Jordan Bell	*"Volitional Control, Self-Regulation, And Motivational Interviewing in Veterans with Alcohol Problems"*	William Miller
Sarah Feldstein	*"Motivational Interviewing with Late-Adolescent/College Underage Drinkers: An Investigation of Therapeutic Alliance"*	William Miller
Alyssa Forcehimes	*"Examination of the Additive Efficacy Of Spiritual Counseling During Inpatient Addiction Treatment"*	William Miller
Jennifer Hettema	*"A Meta Analysis of Motivational Interviewing Across Behavioral Domains"*	William Miller
Marianna LaNoue	*"Building a Model of Distraction Due to Faces: The Contributions of Sex and Social-Cognitive Processes"*	Harold Delaney
Jaime Milford	*"Lifetime Trauma and Associated Mental Health Symptoms in Homeless Women: Impulsivity as a Feature of Post-traumatic Stress Disorder and Addiction"*	Jane Smith
Bethany Reeb	*"Maternal Modulation Hypothesis As An Alternative to Maternal Mediation Hypothesis"*	Akaysha Tang

MASTER'S DEGREES AWARDED AY 2006-2007

DEPARTMENT OF PSYCHOLOGY

NAME	TITLE OF THESIS	ADVISOR
Jennifer Bennett	*"The Influence of Cultural Factors on The Performance of Older Hispanics on The Hopkins Verbal Learning Test"*	Steven Verney
Lavina Cavasos	*"Validation of the Motivational Interviewing Treatment Integrity Coding System and Additional Behavior Codes"*	Harold Delaney
Rachael Falcon	*"Preferences for Relative Gains: The Effect of a Social Comparison on Decision Making"*	Steve Gangestad
Rachel Freund	*"Using the IRAP to Measure Differential Effects of Mood Induction on Relations To Self"*	Mike Dougher
Melissa Gerstle	*"Child and Parent Satisfaction with Pediatric Medical Visits"*	Sarah Erickson
Loren Gianini	*"Impact of Attributional Style on Interpersonal Stress in Restrained Eaters"*	Jane Smith
Jon Houck	*"A Magnetoencephalographic Analysis Of Early Cerebellar Activation During A Mental Rotation Task"*	Claudia Tesche
Shannon Laura Lundy	*"Are the Neuropsychological Deficits In Anorexia Nervosa and Obsessive-Compulsive Disorder Present in Subclinical Populations as Well?"*	Jane Smith
Peggy Maclean	*"Comparing Negative Reactivity and Emotion Regulation in Full Term and Very Low Birth weight Preterm Infants"*	Sarah Erickson

Eric Jackson	*"Cerebellar Activation During Encoding For Object and Spatial Working Memory Tasks"*	Claudia Tesche
Masato Nakazawa	*"Neonatal Anoxia Increases Adult Rats' Aggression"*	Akaysha Tang
Lauren Parks	*"Neural Correlates of Communication and Symptom Severity in Autism: A Voxel-Based Morphometretic Analysis"*	Ron Yeo
Julie Steele	*"The Role of Wisdom and Its Association With Positive Adaptation After Trauma"*	William Miller
Monica Stump	*"The Relationship Between Posttraumatic Growth and Substance Abuse in Homeless Women with Histories of Traumatic Experience"*	Jane Smith
Ethan White	*"Intelligence, Verbal Ability and Self Perceived Mate Value"*	Mike Dougher

APPENDIX F

GRADUATE STUDENTS ACCEPTED FOR AY 2006-2007

NAME	ADVISOR	AREA
Jennifer Bernard	Bruce Smith	Clinical
Marita Campos-Melady	Derek Hamilton	Clinical
Felicha Candelaria	Derek Hamilton	Behavioral Neuroscience
Susanne Duvall	Sarah Erickson	Clinical
Lisa Glynn Hagen	Theresa Moyers	Clinical
Paul Guinther	Mike Dougher	Clinical
Aaron Jones	Claudia Tesche	Cognitive Neuroscience
Samara Lloyd	Harold Delaney	Quantitative
Per Lysne	Ron Yeo	Clinical
Margaret McNerney	Vince Clark	Cognitive Neuroscience
James Rice	Derek Hamilton	Behavioral Neuroscience
Lynette Silva	Steven Verney	Clinical
Maco Stewart	Ron Yeo	Cognitive Learning
David Stone	Claudia Tesche	Cognitive Neuroscience
David Tomasik	Eric Ruthruff	Cognitive
Christina Weywadt	Karin Butler	Cognitive
Zhen Yang	Akaysha Tang	Cognitive Neuroscience

APPENDIX G

SENIOR HONOR THESES AY 2006-2007

DEPARTMENT OF PSYCHOLOGY

STUDENT	THESIS TITLE	FACULTY SPONSOR
Alexandria Bachicha	*Sexuality As It Relates to Self-Esteem And Personality*	Steve Gangestad, Ph.D.
Lindsey Barela	*Treating the Concerned Family Members of Drug Users: A Randomized Study*	Jennifer Knapp Manuel, M.S.
Stacy Marie Stephens-Howze	*Romantic Attachment Styles and Associated Mate Preferences*	Steve Gangestad, Ph.D.
Katherine A. Camp	*Altered Sensitivity to Male Fluctuating Asymmetry Through the Use of Hormone Contraception in Human Females*	Steve Gangestad, Ph.D.
Audra Kerwin	*Development of Cortical Thickness And Flexibility of Mental Operations*	Kristina T. Ciesielski, Ph.D.
Tracy J. Hollingworth-Francisco	*Reliability of Coding of Individual Utterances in Health Coaching Interactions*	Harold Delaney, Ph.D. Denise Ernst, M.S.
Ana Victoria Kuny	*The Relationship Among Ethnicity, Sexual Victimization and Spirituality*	Elizabeth Yeater, Ph.D.
Elisha R. Mitchell	*Effects of Levels of Masculinity on Body Dissatisfaction and Risk of Eating Disorders in Homosexual Men*	Steve Gangestad, Ph.D.
Patricia A. Ellis	*Sex & Ethnic Influences on Jealousy*	Steven Verney, Ph.D.
JoAnna R. Sedillo	*Race & Space: The Racialization of Physical Space*	Steve Gangestad, Ph.D.

Religious Studies Program
UNM College of Arts & Sciences
2007 Annual Report
October 2007
RS Director Richard Wood and the Religious Studies Committee

This report focuses developments in the UNM Religious Studies Program during the 2006-2007 academic year. This has been a period of important new initiatives within the Program, built upon the foundation that had been established in the preceding years. Those preceding years had included five important achievements (as documented in our 2006 five-year report):

1. Continued to build on earlier foundations of the Program as a vigorous teaching program for undergraduates: as a major, a minor, and a key part of the core curriculum;
2. Heightened the profile of research and writing on religion within the intellectual world of UNM;
3. Built ties to constituent groups in the community, and thus contributed to projecting UNM's positive presence in New Mexico;
4. Established the beginnings of a strong research-driven intellectual presence centered within the Program (in addition to the longstanding research on religion pursued by associated faculty spread throughout the university).
5. Moved from a history of running significant budget deficits to running balanced budgets in recent years, as mandated when a new director was brought in (January 2004).

In the last year, under the guidance of an engaged and effective Religious Studies Committee (RSC), the Program has extended and strengthened these achievements in several ways, outlined below:

A. Significant Program Achievements/Developments

1. *Consolidating major undergraduate teaching effort*: Religious Studies continues to teach 2800-2900 students each year (1400-1600 per semester = 8400 credit hours/year). We do so with zero tenure-track faculty assigned to the Program: we have four faculty in the Lecturer III category, of which 2.5 FTE reside in Religious Studies, and draw on faculty whose primary affiliations lie in departments throughout the university and who crosslist courses with RS. This has to be one of the most cost-efficient operations in the University, yet we maintain high standards and professional pride in our teaching, and our faculty have won multiple teaching awards. Current counts show the following majors and minors:

   Majors in Arts and Science: 25
   Majors in University College: 11
   Minors in A&S: 63
   Double Majors: 7 (these are not double counted, and all seem to be in A&S

2. *Learning Outcomes Assessment*: Religious Studies has become convinced of seriousness and potential value of current outcomes assessment effort, and embraced it strongly by initiating serious data-collection and reflection on our teaching (see learning outcomes reports submitted June and October 2007 for details). This has led to valuable dialogue among faculty, instructors, staff, and graduate assistants regarding our pedagogy, class structure, and goals, as well as to changes in our syllabi and course structure. It will also feed into our upcoming Academic Program

Review. Ongoing effort.

3. *Writing Across Religious Studies*: During 2006-2007, we have embraced the "writing across the curriculum" effort at UNM by launching a "writing across religious studies" initiative. Began by co-sponsoring a workshop with Dr. Chuck Paine and the College of A&S, in which RS Program leadership, full-time lecturers, and some part-time instructors participated. This facilitated a Program-wide review of how we structure writing assignments, leading to a more systematic incorporation of writing in our curriculum. Ongoing effort, partly funded by a small grant from the UNM Teaching Enhancement Committee.
4. *Curriculum Review*: We applied for and received a small outside grant to convene focus groups and conduct surveys of students, faculty, community members, and key administrators during Fall 2007 to provide input to the Religious Studies Committee as we assesses our current curriculum.[1] Begun August 2007.
5. *Academic Program Review*: All of the above will feed into our APR self-study, which has recently begun in preparation for Fall 2008 site visit (we're proposing to A&S October 22-24, 2008 as dates).
6. *Financial systems*: Continued consolidating and routinizing adequate budgetary oversight and financial tracking, with new staff person and despite ongoing struggles with Banner system. Upt-to-date compliance and documentation systems now in place.
7. *Fundraising and Newsletter*: Launched high-quality annual newsletter in September 2006, with second issue coming out in October 2007. Worked with A&S Development Office and Archdiocese of Santa Fe/Albuquerque to help the latter raise $1.3 million of a projected $2.5 million endowment for a Chair of Catholic Studies at UNM. Only the third endowed chair in Arts & Sciences, and the first endowed by living donors. Have had initial conversations regarding chairs of Jewish Studies and Sikh Studies; currently on hold pending review of status of such chairs at UNM.
8. *International Program*: Applied for and received funding for a three-week study abroad program; planning and fundraising during 2006-2007; trip to occur with RS faculty leadership in January 2008 with ethnically and economically diverse group of 16 UNM students.
9. *Community Engagement*: Continued sponsoring high-profile public lectures on religion, under our outside-funded lecture series "Nexus: Religion in the Public University". These draw faculty, staff, and students from UNM, as well as community attendees (see below for list of events). Nexus also hosts a clergy-faculty lunch dialogue series that strives to break open religious traditions to insights from academic disciplines, and to engage university scholars in dialogue with diverse wisdom traditions.

B. Significant Plans and Recommendations for the Near Future:

1. Consolidate and institutionalize culture of learning assessment in Religious Studies
2. Revise and reinvigorate curriculum, as resources allow

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[1] The Religious Studies Committee (RSC) is a ten-member elected faculty Board that governs the Religious Studies Program under the Dean of Arts & Sciences and a set of formal by-laws. It includes representation from across the University, though primarily from within the College of A&S. It also includes representation of the full-time RS lecturers (classified as regular faculty at UNM) and of the part-time instructors who teach a significant portion of our courses. Current members are: Anita Obermeier (English and Feminist Research Institute), Bradley Ellingboe (Music), Cynthia Geppert (Psychiatry and Associate Director of Religious Studies), Lisa Gerber (Lecturer in Religious Studies and Philosophy), <lgerber@unm.edu>, Harold Delaney (Psychology), Kelly Baker (part-time Instructor in Religious Studies), Paul Watson (research faculty in Biology), Richard Hayes (Philosophy), Suzanne Oakdale (Anthropology), Timothy Graham (History and Medieval Studies Institute), and Richard Wood (Sociology and Director of Religious Studies).

3. Diffuse standards and practices of "Writing Across Religious Studies" throughout curriculum
4. Include the above within full Academic Program Review; use latter to plan the future of UNM Religious Studies Program, including pressing forward with revisions to curriculum.
5. Once status and viability of endowed chairs associated with religious studies is clarified: consider pursuing funding for chairs in Judaism, Sikhism, and Buddhism (and begin conceiving of chairs in Historic Protestantism, evangelical Christianity, Hinduism, American Indian Religions, etc.).
6. Use Academic Program Review as opportunity for reflection within Program and College regarding what status for religious studies makes sense, given current salience of religion in cultural and political dynamics at national and international levels. Graduate program? Departmental status? Does either or both make sense as near-future objectives? If so, can resources be acquired to pursue these objectives?

Current challenges:

- Current Program decisions are increasingly constrained by uncertainty regarding the future: UNM has in the past encouraged Religious Studies to be planning toward offering a graduate program (originally at M.A. level; more recently idea of going straight toward Ph.D. level has been discussed). We hope to work with new leadership at College level to decide whether that is still on the horizon. If so, we hope to develop a strategic plan for solidifying faculty resources to support graduate level focus. We understand that current budgetary uncertainty makes any such discussion exploratory, but these still might help us plan for the future. Past discussions of this have included: a) tenure lines embedded in RS; b) Departmental status for RS; and c) creation of an interdisciplinary Ph.D. at the College level to which RS would be linked. Which, if any, of these are possible and supported at the College level? We prefer to have this discussion within the framework of what level of expertise on religion a major research university ought to have in the 21st century.
- We face a serious deficiency in our ability to teach material in two areas crucial to a strong religious studies program in New Mexico: a) Jewish and Christian scriptures [crucial given our student population, centrality of scripture in helping them think more openly about religion, and sensitivity of using locally-available part-time instructors – who tend to represent very particular viewpoints that may be unacceptable to other local constituencies]; and b) Contemporary Islamic Studies [crucial given current international dynamics and student interests].
- As of January 2008, current director will have been in position for four years – normal end of term (due to initial one-year interim appointment); need to work with College and RSC to plan for future (either new term or transition to new director).

C. Appointments to Faculty/Staff:

1. We were authorized to search in 2006-2007 for an Islamic Studies specialist at the assistant professor level, in a "joint tenure" position with the Dept of Foreign Languages and Literatures. Despite at least 2 outstanding candidates who were seriously interested in UNM, however, we ultimately declared a failed search: both excellent candidates in the end turned down the offer due to anxiety about joint tenure process. [Please note: RSC had strongly appealed *not* to do this search as a joint tenure arrangement, but was over-ruled at College level]. For 2007-2008, we proposed either to recruit to meet an urgent need in Jewish/Christian Scriptures or to re-launch the Islamic Studies search, but neither was in the first priority group of authorized hires.

2. We have institutionalized a stronger shared-governance structure, with regular faculty elections for the governing Religious Studies Committee and three-year appointment of the Director by the Dean of Arts & Sciences, following nomination via faculty election (and Director limited to two three-year terms).

3. As mandated at the time of change of directors in 2004, we have built a much broader constituency of faculty associated with the Religious Studies Program. The "Religious Studies Associated Faculty"is a broad interdisciplinary group of faculty members, research faculty, and post-doctoral fellows from all Colleges of the University of New Mexico, the UNM School of Law, the UNM Medical School, and the Anderson School of Management. It currently includes 54 members, from the following UNM units:

Arts & Sciences	School of Medicine	Other UNM Units
Philosophy	Obstetrics-Gynecology	Anderson School of Management
History	Psychiatry	UNM Honors Program
Medieval Studies	Internal Medicine	College of Education: Administration
Earth & Planet Sci	Cardiology	C of Ed: Lang, Lit, & Socio-Cultural
Anthropology	Nursing	C of Ed: Educational Specialities
English	Hematology/Oncology	Fine Arts: Music
Psychology		Fine Arts: Art/Art History
Sociology		School of Law
Communications/Journalism		UNM-Taos
Foreign Language & Literacy		UNM-Gallup

D. Separations of Faculty/Staff:

We have lost no faculty or staff formally affiliated with Religious Studies. We did lose Professor Ted Sturm, who died last year; his formal affiliation was with the Dept of Philosophy but he taught courses in Religious Studies and held office space in the Program.

However, in the last year, we did lose two part-time instructors who played a crucial role in offering a credible religious studies curriculum in the contemporary American context: Dr. Gunter Wagner was an internationally renowned scripture scholar from Austria who retired to Albuquerque; Dr. Gerald Kendrick was also an excellent scripture scholar retired in the area. Together, they had taught nearly all of our courses in Jewish scriptures and Christian scriptures – and did so with academic credentials that transcended any sectarian or denominational affiliation. Despite *extensive* searching, we have been unable to find anyone with similar academic credentials willing to teach at PTI wages, and so have been forced to hire a local clergyman to teach on this terrain. His credentials are excellent, including a "doctor of ministry" degree in teaching scripture, but this situation is not ideal intellectually or vis-à-vis public relations. If tenure home considerations can be solved, we hope to hire a tenure-track faculty member with academic credentials in this area.

This year (January or May 2008) will see the end of the current Director's first full term; status of directorship for future to be determined.

E. Publications and Creative Works:

As a non-department, we have no tenure-track faculty tied primarily to Religious Studies. However, all the tenure and tenure-track faculty on the RSC maintain active careers in religion-related research, writing, and/or creative works in fields of religious studies, psychology, biology, philosophy, history, the humanities, anthropology, sociology, psychiatry, fine arts, etc – but we report these through home departments rather than RS. A quick sampling of publications and other professional activities for the ten RSC members follows:

Harold Delaney (Psychology):

Kunitz, S. J., Delaney, H. D., Layne, L. J., Wheeler, D. R., Rogers, E. M., & Woodall, W. G. (2006). "Small-area variations in conviction rates for DWI: The significance of contextual variables in a southwestern state." *Accident Analysis & Prevention*, 38, 600-609.

Woodall, W. G., Delaney, H.D., Kunitz, S. J., Westerberg, V. S., & Zhao, H. (2007). "A randomized trial of a DWI intervention program for first offenders: Intervention outcomes and interactions with Anti-Social Personality Disorder among a primarily American Indian cohort." *Alcoholism: Clinical and Experimental Research*, 31, 1-14.

Delaney, H. D., Miller, W. R., & Bisonó, A. M. (2007). "Religiosity and spirituality among psychologists: A survey of clinician members of APA." *Professional Psychology: Research and Practice*, 38, 538-546.

Hettema, J. E., Miller, W. R., Tonigan, J. S., & Delaney, H. D. (in press). "The test-retest reliability of the Form 90-DWI: An instrument for assessing intoxicated driving." *Psychology of Addictive Behaviors.*

Hettema, J. E., & Delaney, H. D. (2007). "Can a Physicist Priest Speak to Psychologists? Review of John Polkinghorne's Science and Creation: The Search for Understanding." *PsycCritiques*, 52, (Issue 19, May 9, 2007), 7 pp.

Bradley Ellingboe (Music):

Chorus master "Opera Festival of Tuscia" Viterbo, Italy, 2007 - onward

Conductor, Faure's "Requiem" Carnegie Hall, May, 2008 (choirs from around the US and Symphony Orchestra of New England)

Choir pieces published by Oxford University Press, Chorister's Guild, Augsburg Fortress Press, Kjos Music

Article "The Songs of Edvard Grieg," in the JOURNAL of the National Association of Teachers of Singing, September 2007

Cynthia Geppert (Psychiatry):

Geppert CM, Bogenschutz MP, Miller WR. "Development of a Bibliography on Religion, Spirituality and Addictions." *Drug Alcohol Rev.* 2007;26:389-395.

Geppert CM. "The Religion of Benzodiazepines." *Psychiatric Times*. April 2007.

Geppert CM. "Accepting Acceptance." *Psychiatric Times*. January 2007.

Geppert CM. "Is the DSM the Bible of Psychiatry?" *Psychiatric Times*. December 2006.

Timothy Graham (History):

"Matthew Parker and His Manuscripts: A Study of an Elizabethan Library and Its Use." In The Cambridge History of Libraries in Britain and Ireland, vol. I: From the Early Middle Ages until the Civil War, ed. Teresa Webber and Elisabeth Leedham-Green, pp. 322-341. Cambridge: Cambridge University Press, 2006.

Book review of John Blair, The Church in Anglo-Saxon Society, in The Journal of Interdisciplinary History 37 (2006), pp. 438-440.

Online book review of Christopher de Hamel, The Rothschilds and Their Collections of Illuminated Manuscripts, in The Medieval Review (August 2006). Equivalent to four printed pages.

Suzanne Oakdale (Anthropology):

Suzanne Oakdale; "I Foresee my Life": The Ritual Performance of Autobiography in an Amazonian Community. Lincoln: University of Nebraska Press, 2005.

Richard L. Wood (Sociology):

Wood, Richard L. 2007. "Thinking Culturally about Politics: Habits 20 Years Later and 20 Years Hence, *Sociology of Religion* 68:2 (Summer 2007).

Wood, Richard L. 2007. "Higher Power: Strategic Capacity for State and National Organizing," in *Transforming the City: Community Organizing and the Challenge of Political Change*, Marion Orr (ed.); Lawrence, KS: University of Kansas Press.

Wood, Richard L. 2007. "Jewish Social Ethics, American Synagogues, and the Repair of the World," reflections on the *Research Consultation on Synagogues and Social Justice*. On-line publication to be posted at the "Synagogue 3000" website: http://www.synagogue3000.org/ (Summer).

Wood, Richard L. 2007. "American Habits: Robert Bellah and Cultural Reformation" in *Christian Century* (September 4, 2007, pp. 33-37).

Wood, Richard L. 2007 and 2006. "A Deeper Self: Community-Based Learning and the Lifelong Vocation to Solidarity" and "Challenging the University," on-line essays for the Ignatian Center for Jesuit Education, Santa Clara University.
http://www.scu.edu/ignatiancenter/cblconf/community_connections.cfm and
http://www.scu.edu/ignatiancenter/cblconf/community_connections_wood_response.cfm

[Others to be added here, as data come in]

The Religious Studies Associated Faculty also includes many scholars, professionals, and creative artists highly active in their fields, but in this case publications, presentations, and creative works may or may not reflect content related to religious studies. We do not list them here.

F. Outside Professional Activities:

Harold Delaney:

Stump, M. J., Austin, J. L., Lesh, D. N., Greene, D., Smith, J. E., & Delaney, H. D. Are homeless women all the same? Ethnic differences in substance dependence and PTSD. Presented to the Eleventh International Conference on the Treatment of Addictive Behaviors, Santa Fe, NM, January, 2006.

Bradley Ellingboe:

Guest teaching at Southern Methodist University (June, 2007), Concordia University Chicago (October, 2007)

Guest lecturer, Weill Recital Hall, New York City, November 2007 (the music of Grieg) at the behest of the Norwegian government

UNM Alumni Association, Faculty award, February, 2008

Lisa Gerber (Religious Studies and Philosophy):

"The Spiritual Practices of Thoreau" Meeting of the Society for the Study of Religion and the Environment, Gainesville, Florida, April 2006.

"Wisdom in Predator Restoration" Joint Conference International Society of Environmental Ethics and International Association for Environmental Philosophy, Allenspark, Colorado, May 2007

"Writing in Online Classes" talk given at Success in the Classroom Conference, UNM, February 16, 2007.

Research Project: Book focusing on New Mexico or bioregional environmental issues with wider global implications about our relationship to nature. The model for each chapter is my work on the restoration of the Mexican Gray Wolf in the Southwest with claims about environmental restoration in general. Book will cover issues such as wilderness, water use, environmental justice, and agriculture.

Cynthia Geppert:

Principal Investigator. "Spirituality and Medicine Curriculum Development for the UNM Medical School." $3,000. Scholarship in Education Allocations Committee, Office of Undergraduate Medical Education, University of New Mexico.

Professional Activities Religious Studies Speaker's Bureau "End of Life Issues," Immanuel Presbyterian Church, Albuquerque, New Mexico. February 2007.

Timothy Graham:

"Medieval Manuscripts: A Half-Day Workshop." Fourteenth Annual Conference of the Arizona

Center for Medieval and Renaissance Studies, Arizona State University, February 2007.

"Lost and Found: The Elstob Transcripts of Anglo-Saxon Laws, Now in the Takamiya Collection." Forty-Second International Congress on Medieval Studies, Western Michigan University, May 2007.

"Books of Hours: Bestsellers of the Middle Ages." Albuquerque OASIS Group, October 2006.

"Books of Hours: Monuments of Medieval Culture." Twenty-Second Medieval Spring Lecture Series, UNM, April 2007.

"The Sutton Hoo Ship-Burial." Santa Fe Archaeological Society, April 2007.

Also, throughout the year, I was seeing Introduction to Manuscript Studies, jointly written by myself and Raymond Clemens, through the press with Cornell. It is scheduled to appear in December. More at:
http://www.cornellpress.cornell.edu/cup_detail.taf?ti_id=4721

Suzanne Oakdale:

Papers Presented:
"Men, Women, and Foreigners;" Paper presented at the Annual Meeting of the American Anthropological Association, San Jose, California, November 2006.

"New Table Manners: Food and Ethnic Transformation;" Paper presented at the Fifth Sesquiannual Meeting of the Society for the Anthropology of Lowland South America, Santa Fe, New Mexico, January 2007.

"Ritual and the Circulation of Experience;" Paper submitted to the invited conference, "Ritual and Communication," funded by the Wenner-Gren Association, Sintra, Portugal, March 2007.

""Ethnicity and Eating Together in the Brazilian Amazon: Indigenous Autobiographical Perspectives;" Snead-Wertheim Lecture, UNM Departments of History and Anthropology, April, 2007.

Research:
"Kayabi Perspectives on Twentieth Century Brazilian Indian Relations: A View from the Missions," UNM Latin American and Iberian Institute Field Research Grant (airfare to Brazil), UNM, June 2007.

"Kayabi Perspectives on Twentieth Century Brazilian Indian Relations: A View from the Missions," UNM RAC Small Grant for archival research in Brazil, June 2007.

Richard L. Wood

"A Deeper Self: Community-Based Learning and the Lifelong Vocation to Solidarity" paper presented at *Callings: Fostering Vocation Through Community-Based Learning,"* a conference at Santa Clara University (San Jose, CA: March 2007).

Presider, American Sociological Association 2006 Annual Meetings, Special Session sponsored by the Section on the Sociology of Religion, on "Theoretical Innovations and Corrections in the Sociology of Religion" (August, 2006).

[Others to be added here, as data come in]

G. Outside Sponsored Research

Religious Studies (via its internal Southwest Institute on Religion and Civil Society) currently hosts the following grant-funded projects:

Project name	Funding	Sponsor	F&A
Web Access for Civil Society Initiatives	$949,920	U.S. Dept of State	50%[2]
Islam & Democracy	$144,495	Sandia Nat'l Labs	50%
Nexus: Religion in the Public University	$ 56,522	Louisville Institute	10%
Planning grant: Religion curriculum	$ 500	Amer. Acad. Religion	n/a

These projects currently support six Research Associates or Project Assistants (outside funding), from highly diverse backgrounds. They also generate substantial F&A flow to the OVPR, College, and RS Program. SIRCS has already attained some level of national exposure, through a well-developed internet presence and listing in a nationally-distributed guide to the top 36 academic centers for the study of religion in the United States.

SIRCS also currently hosts the following internally-funded projects:

Student fieldwork training school in Guatemala	$ 3,800	LAII	n/a
Religion & Social Justice in Central America	12,375	Center for Regional Studies	
"	5,000	Office of Int'l Programs	

In the recent past, SIRCS also hosted the following projects:

Democratic Organizing &Congregational Dev.	$101,300	Ford Foundation	10%[3]
Democratic Organizing in Central America	$ 5,500	LAII	n/a

[2] 50% F&A on part of grant (sub-awards excluded per UNM policy). F&A is split between College, Religious Studies, and Sociology. Total F&A is $139,512

[3] DOCD project funding actually was run through the Dept of Sociology, as this predated the founding of SIRCS, but work was done primarily under Religious Studies (and eventually SIRCS) umbrella.

Appendix: Public speakers hosted, and other public events

A. Events with UNM Religious Studies as lead sponsor or primary co-sponsor

Event	Speaker	Date	Attendance
"Archaeology and the Bible"	Dr. Amihai Mazar	Jan 2004	~100
"Filming the Greek Manuscripts on Mt. Athos"	Dr. James Sanders	Jan 2004	~75
"Relation of Philosophy and Theology in the Writing of Meister Eckhart"	Dr. Michael Demkovich, OP, Director, Dominical Ecclesial Institute	March 2004	?
"Ethics of Taxes in New Mexico"	NM Voices for Children, Director Kay Monaco Rabbi Joseph Black, Congregation Albert Rev. Christine Robinson, First Unitarian Church Fr. Bob Keller, Aquinas Newman Center Mr. John Sandager, Hoffmantown Baptist Church	Dec 2004	~30 religious & civic leaders
"American Empire: A Theological Response to the Bush Inauguration"	Dr. Larry Rasmussen, Reinhold Niebuhr Professor Emeritus, Union Theological Seminary	Jan 2005	~100 religious & civic leaders and UNM faculty
"The Use and Misuse of Religion in Politics"	Rev. Brian Taylor, St. Michaels and All Angels Episcopal Church Richard Wood, UNM Religious Studies Rev. Curtis Brickley, Hoffmantown Baptist Church, Andy Schultz, UNM School of Lawand Rabbi Joe Black, Congregation Albert	May 2005	~120 community members
"Religion, Civil Rights, & Individual Liberties	Rev. C. Becknell, Emmanuel Missionary Baptist Ch Sen. Mark Boitano, Republican Sen. Dede Feldman, Democrat Imam Isam Rajab, Islamic Center of NM Prof. Rob Schwartz, UNM School of Law	July 2005	~90
"The Failure of Environmentalism- and What Religious Communities Can Do"	Dr. Larry Rasmussen, Reinhold Niebuhr Professor Emeritus, Union Theological Seminary	Sept 2005	~100 UNM faculty & students, local leaders
"Christian and Hindu on Loving God"	Dr. Martin Ganeri, OP; Catholic chaplain at University of Edinburgh	Nov 2005	~35 UNM faculty & students, local religious leaders
"Saints at Odds: Islam and	Dr. Anouar Majid, University of New England	Nov	~200 UNM faculty

America in the World"		2005	& students, local religious & civic leaders
"Evolution Wars: Who's Fighting Whom about What?"	Dr. Martinez Hewlett, Professor Emeritus of Molecular Biology, Univ of Arizona Dr. Ted Peters, Graduate Theological Union at Berkeley	Jan 2006	~250 UNM faculty & students, local religious & civic leaders
"Poverty in America - Whose Responsibility?"	Patsy Kelton-Born, Project Share Frank Yates, St. Andrew Presbyterian Church Alex Lubin, UNM Dept of American Studies Paul Yarbrough, St. Thomas Aquinas School	Jan 2006	~80 religious & civic leaders and congregational members
"Faith and Globalization: Religious Responses to a Changing World"	Dr. Max Stackhouse, De Vries Professor of Reformed Theology, Princeton Theological Seminary	March 2006	~ 100 UNM faculty & students, local religious leaders
"The Left Hand of God"	Rabbi Michael Lerner, founder of Tikkun Magazine	April 2006	~500 community members
"Vulnerability, Power, and Medical Decisions-Making"	Dr. Richard Zaner, Professor Emeritus of Philosophy (medical ethics), Vanderbilt University School of Medicine	April 2006	~70 faculty, staff, & students, religious leaders
"Sibling Rivals: Jewish and Christian Understandings of the Chosen People"	Dr. Joel S. Kaminsky, Professor of Religion and Biblical Literature, Smith College	Oct 2006	~100 faculty, staff, & students, religious leaders
"Native Spirituality in Literature"	Dawn Karima Pettigrew, MFA (Creek/Cherokee), author of *The Marriage of Saints* (Norman:University of Oklahoma, 2006)	Feb 2007	
"Congregations & Civil Society: A Double-Edged Connection"	Dr. Jerome Baggett, Professor of Religion & Society, Jesuit School of Theology at Berkeley	April 2007	~50 faculty & staff, religious leaders
"Global Pentecostalism: The New Face of Christian Social Engagement"	Dr. Donald Miller, Dean and Professor, School of Religion, University of Southern California	Sept 2007	~40 faculty, staff, & students, religious leaders
"Pillars of Faith: Social Engagement of Albuquerque Congregations	Dr. Nancy Ammerman, Professor of Sociology, Boston University	Nov 2007	upcoming

Overall: Religious Studies Program served as primary host/sponsor for at least twenty events over the last three years, drawing from 35 to 500 attendees per event. This has been a primary way of both building bridges to constituencies in the wider Albuquerque and New Mexico community, and of raising the profile of religion within the intellectual world of the University.

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College of Arts and Sciences
Department of Sociology

July 1, 2006 - June 30, 2007

Phillip Gonzales, Chair

I am pleased to submit this report of the activities of the Sociology Department covering the second year of my term as Chair.

A. Significant Achievements/Developments

1. Professor Howard Waitzkin was named UNM Distinguished Professor.
2. The Department conducted a search for a lecturer to teach in the Department's criminology major and extended the offer to Maria Velez, assistant professor of sociology at the University of Iowa. Velez accepted the offer and UNM provided a spousal hire for her husband, Dr. Wayne Santoro as a lecturer in Sociology as well.
3. The Department rejoiced in UNM's receipt of a major grant from the Robert Wood Johnson Foundation to establish a center for Latino and Native American health policy, and Chair Gonzales participated in the initial stages of implementing the grant during spring semester 2007.
4. Assistant Professor Nancy Lopez received the 2007 Gunter Starkey Award for Teaching Excellence, College of Arts and Sciences.
5. The Department hosted a national site review team in fall 2006. It consisted of professors Rogelio Saenz (Texas A & M), Walter Goldfrank (University of California, Santa Cruz), and Robert O'Brien (University of Oregon), with Christine Sierra), serving as the UNM internal member. The site review team issued its evaluation report. The assessment of the Department was generally positive.
6. The Department faculty held a fall retreat where they discussed the undergraduate curriculum and planned for changes and improvements.
7. Associate Professors Jane Hood and Nelson Valdes were on sabbatical in the fall 2006 semester.
8. Felipe Gonzales served his third year as Chair of the Sociology Department. He also served on several committees of the newly established Robert Wood Johnson Foundation Center for Public Policy; served on the Provost's Strategic Planning Revision Task Force; and had two peer review and one book chapter published.
9. The Department sponsored a winter intercession course in Nicaragua taught by Dr. Christine Rack.
10. Professor Nancy Lopez served on the Provost's Graduation Task Force.

B. Significant Plans and Recommendations for the Near Future

1. APR site review team made recommendations for change in seven areas: faculty hiring; accelerated change in administration, teaching and research; curriculum; the methods

requirements in the graduate program; the graduate student teaching load; the low level of minority students in the graduate program; and the extraordinarily low compensation for adjunct faculty. In January 2007, the Department faculty meant to consider the recommendations. They issued a first response to each of the seven recommendations and submitted to the central administration.

2. Based on the recommendations of the Department faculty to the APR recommendations, Chair Gonzales and Associate Professor Roberto Ibarra met with members of the central Program Review team in spring 2007 in order to craft a five-year strategic plan for the department.
3. At the end of the academic year, the faculty planned a fall retreat in order to discuss major issues associated with the graduate program.

C. Appointments to Faculty/Staff

1. Christopher Lyons, Washington State University doctorate, began his appointment as a tenure-track assistant professor, Fall 2006.

D. Separations of Faculty/Staff

1. Arlene Ann, who had begun as an Administrative Assistant II in December 2006 resigned in order to accept another position in the University.

E. Publications

1. *Academic Program Review, University of New Mexico, Department of Sociology Self-Study*, Phillip B. Gonzales and Roberto Ibarra (Spring 2006).

F. Outside Professional Activities

1. Lisa Broidy: Membership Committee Member 2005-2006, American Society of Criminology. Nominations Committee Member 2005 – 2006, Crime, Law and Deviance Section, American Sociological Association. Program Committee Member 2005, American Society of Criminology.
2. Richard Coughlin: Editorial Board, Journal of Socio-Economics.
3. Jane Hood: Member Editorial Board for Gender and Society. Advisory Board for the Handbook of Grounded Theory (eds. Bryant and Charmaz). Chair: Society for Study of Social Problems, Lee Founders Award Committee.
4. Nancy López: Invited Presentation, "AfroLatinos and Schooling." With Dr. Pedro Noguera, Afro-Latino Project, Ford Foundation and City University of New York City, March 31 – April 1, 2006 New York. "Latinos in Border Stated," Organizer and Presider, Latino Section, American Sociological Association Annual Meeting, August 14th, 2006. Montreal, Canada. "Education, Racial Identity and Achievement," Presider and Discussant, Race and Ethnicity Regular Section, American Sociological Association Annual Meeting, August 12th, 2006 Montreal, Canada. "Afro-Latino Caribbean new Yorkers: Racial Solidarity and Social Critique" Association of Black Sociologist, August

8th, 2006, Montreal, Canada. "Othermothers Creating Empowering School-Based Community Living rooms in Latina and Latino Middle Schools," with Chalane Lechuga, Refereed Roundtable, Latino Section, American Sociological Association, August 14' 2006. "Latino Identity and Schooling: Dominicans in New York City and Chicanos, Mexicanos, and Hispanos in New Mexico," Paper Presented at "Acting White? Revisiting Ogbu and Fordham's Hypothesis," Conference Sponsored by the Institute of African American Research, University of North Carolina and Department of African and African American Studies at Duke University, October 28-29, 2005, Chapel Hill and Durham, NC.

5. Annual meeting of the Association for the Sociology of Religion (Philadelphia: August 2005).

G. Outside Sponsored Research

1. New Mexico Criminal History Capacity Building Project. Principal Investigators: Lisa Broidy and Tim Wadsworth. Bureau of Justice Statistics/JRSA. May 1, 2006 – April 30, 2007.
2. Evaluating the Deterrent Effect of Domestic Violence Orders of Protection. Principal Investigators: Lisa Broidy and Tim Wadsworth. Bureau of Justice Statistics/JRSA. June 1, 2006 – May 31, 2007.
3. Incident-based Reporting Data Analysis – Travel to Violence. Principal Investigators: Lisa Broidy and Tim Wadsworth. Bureau of Justice Statistics/JRSA. April 15, 2006 – March 31, 2007.
4. Feasibility and development of an alcohol intervention model for violence-involved emergency department patients. Principal Investigators: Carmen Crandall and Lisa Broidy. Grant from the Southwest Alcohol Research Group (SARG). January 2006 – December 2006.
5. Philip A. May, P.I. "International Neuropsychological Study of FASD (and Multi-Method Intervention Study of FASD in South Africa)." NIAAA, September 30, 2003 - September 29, 2006. $803,287. U01 AA 014786.
6. Howard Waitzkin, P. I.: 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.

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Annual Report

Institute for Social Research, 2006-2007

Prepared by Dr. Lisa Broidy and Dianne Mulder
October, 2007

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 promote and help carry out funded research, while providing 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 informs policy and practice in the areas of criminal justice, homeland security/terrorism, education, 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 is contracted to conduct occurs in collaboration with various 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.

Though ISR has seen some downward movement in its budget in recent years, we are currently experiencing renewed growth and expect the coming years to evidence both Institutional and financial growth with new research collaborations slated for 2008.

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
Michael Hall, JD
Roberto Ibarra, PhD
Aki Roberts, PhD
John Roberts, PhD
Tim Wadsworth, PhD
Howard Waitzkin, M.D., PhD

Centers:
Descriptions of the Centers operating out of the Institute for Social Research follow, along with a breakout of employees:

ISR Administrative Staff
Director: Lisa Broidy
Staff:
Dianne Mulder – Office Administrator (full time)
Veronica Gonzales – Senior Fiscal Technician (.50 FTE)
Teddy Saenz – Office Administrator (.25 FTE)
George Scott – Systems Administrator (Undergraduate, .75 FTE)
Kevin McConnell – Undergraduate Student IT worker (.50 FTE)
Jennifer Bustos – Undergraduate Receptionist & Office Assistant (.75 FTE)

All ISR administrative tasks, 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.

Albuquerque Metropolitan Central Intake
Director: Carlotta Garcia
Staff:
Sara Corry, Substance Abuse Counselor
Rod Falanga, Analyst/Programmer 3
Tim S. Griffin, Substance Abuse Counselor
Troy Mantel, Occupational Therapy Technician
Julie Morgan, Senior Substance Abuse Counselor
Marcia Pacheco, Senior Program Therapist
Justin Robbs, Computing Services Manager
Carlos Romero, Senior Program Therapist
Rebecca Rozell, Substance Abuse Counselor
Alfred Sandoval, Business Manager
Jacque Schafer, Senior Substance Abuse Counselor
Patricia Salazar, Administrative Assistant 3
Monica Smith-Teal, Substance Abuse Counselor
Merle Snider, Analyst/Programmer 3
Carol Vigil, Senior Program Therapist
Diana Watkins, Office Administrator

Albuquerque Metropolitan Central Intake became part of ISR effective July 1, 2007. AMCI is the result of a strategy proposed by 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. AMCI has been located at 1258 Ortiz Drive SE, Albuquerque, NM 87108 for two years.

New Mexico Sentencing Commission (NMSC)
Executive Director: Michael Hall
Staff:
LaDonna Laran – Accountant
Julie Frendle – Program Coordinator
Tony Ortiz – Senior Attorney
Randall Cherry – Senior Attorney
Dan Cathey – Research Scientist 3
Nancy Gettings – Program Coordinator
Johnathan Ochsankehl – Undergraduate Student Office Assistant (.75 FTE)

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)
Principal Investigator: Paul Guerin
Staff:
Linda Freeman – Research Scientist 3
Jennifer Honey – Administrative Assistant 2
Ben Edwards – Graduate Student Project Assistant (.25 FTE)
Parthiban Jayabal – International Graduate Student P.A. (.50 FTE)
Saravanan Poosanthiram – International Graduate Student P.A. (.50 FTE)
Ratheeshprabhu Rajendran – International Graduate Student P.A. (.50 FTE)
Harihar Shankar – International Graduate Student P.A. (.50 FTE)
Cynthia Torres – Graduate Student Project Assistant (.50 FTE)
Sheng-Yang Wang – International Graduate Student P.A. (.50 FTE)
Lynne Chen – Undergraduate Research Assistant 2 (.75 FTE)
Lesle Martinez – Undergraduate Research Assistant 2 (.75 FTE)
Chris Miller – 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)
Principal Investigators: Lisa Broidy and Tim Wadsworth
Staff:
Kristine Denman – Senior Research Scientist 3 (.63 FTE)
Danielle Albright – Graduate Student Researcher (.75 FTE)
1 Volunteer – 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 Weed and Seed sites and the local Project Safe Neighborhoods Initiative, focusing on the local gang and gun violence problems. The NMSAC is also working on a two projects designed to evaluate the effectiveness of domestic violence restraining orders in Bernalillo County. 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.

Ford Grant:
Principal Investigator: Roberto Ibarra
Staff:
Marie Clevenger – Research Scientist 3 (.50 FTE)
Wenbin Yan – Graduate Student Project Assistant (.25 FTE)
Ying Wang – Graduate Student Project Assistant (.25 FTE)

Through funding provided by the Ford Foundation, this team has assembled a consortium consisting of 4 major public Universities within Arizona and New Mexico. These institutions are the University of New Mexico, New Mexico State University, Northern Arizona University, and Arizona State University. Each school is taking a unique approach to create solutions to the traditional institutional obstacles that exist and serve to discourage minority participation in Higher Education

New Mexico Mentorship and Education Program (MEP)
Principal Investigator: Howard Waitzkin
Staff:
Amy Whitfield – Undergraduate Program Support Staff 5 (.50 FTE)
Erin Burtch – Undergraduate Administrative Assistant (.25 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.

Center for Education Research
Principal Investigator: Richard Boyle

The Center for Education Research (CER) concentrates on longitudinal analysis of preschool and school children's careers in public education. It was formed to incorporate the work of Dr. Richard Boyle in which children who attended public child development programs in Albuquerque are tracked as they advance through Albuquerque Public Schools. Currently the CER is evaluating the effectiveness of Early Reading First, an innovative program designed to promote reading readiness that is being implemented in a set of Albuquerque preschool classrooms.

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's revenues began to decline, as did its operating budget, which is largely driven by its F&A return. The 2007 award and F&A dollars suggest that ISR's revenues are on the rise. Our goal is to trend over $200,000 F&A annually.

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	1,263,033	$194,887
2004	1,506,016	$152,009
2005	352,013	$54,026
2006	695,708	$100,210

A listing of the grants/contracts run through ISR during the 2006/2007 Fiscal Year is shown on the following page.

ISR Account List (06/07)

INDEX CODE	ACCOUNT NAME	FUND #	PI	IDC	Agency	Budget	IDC Return	Start Date	End Date	PDS/SPAS#
* 9-31205	Second Chance Center - Front Office	2U0203	Guerin		2nd Chance Center	267,800	0	09/01/07	02/29/08	
* 9-31260	New Mexico Sentencing Commission	1A0001	Hall	n/a	State of New Mexico	789,900	78,990	n/a	n/a	
*=Unrestricted Indexes										
Restricted Indexes										
9-31116/031014	FORD-Creating an American Res. University	219D0	Ibarra	10%	Ford Foundation	87,500	7,954	10/01/03	03/31/07	15959
9-31120	FORD-COST SHARE	219D0	Ibarra	10%	Ford Foundation			10/01/03	03/31/07	15959
9-31130	FORD-Peter White	219D0	Peter White	10%	Ford Foundation			10/01/03	03/31/07	15959
9-31126	FORD-COST SHARE for Peter White	219D0	Peter White	10%	Ford Foundation			10/01/03	03/31/07	15959
9-31117	Domestic Violence	281D0	Broidy/Wadsworth	26%	Bureau Of Justice Satistics	50,000	10,318	06/01/06	08/31/07	21261
9-31146	City of ABQ Research Serv	2R66B	P Guerin	20%	City of ABQ	24,981	4,163	09/26/05	07/31/07	19811
9-31157	"NSF Biology" Track 1, GK-12 Ecohydrogeology-Mid Rio Grande	275Q1	P Guerin	50%	National Science Foundation	38,232	12,744	05/01/06	4/30/08 (09)	19411
9-31158	Information System Deve. and Tech Assistance	278A0	P Guerin	20%	City of Albuquerque	67,657	10,018	07/30/06	06/30/07	21559
9-31159	NM Criminal History Record Capacity Building Projects	278J0	Broidy	26%	JRSA	49,558	10,226	05/01/06	09/30/07	21297
9-31160	Year 2 - NIMH - MEP		Waitzkin	8%	Mental Health Research Grants	246,779	12,698	09/01/06	08/31/07	19804
9-31161	NSF Engineering: Grad Teaching K-12 Optics/Photonics	234Y2	Guerin	26%	Bureau Of Justice Statistics	42,706	7,904	08/01/06	08/31/08	22188
9-31162	Evaluation of Child Development Programs	256C1	Boyle	20%	City of Albuquerque	35,062	5,844	08/29/06	08/29/07	21463
9-31163	RFP2005-030-SV Program Evaluation Services (ACT)	282H0	Guerin	8%	City of Albuquerque	99,194	7,022	08/25/06	06/30/07	22081
9-31164	Serious Violent Offender Reentry Initiative Research	248I2	Guerin	20%	NM Corrections Dept	30,268	4,678	09/05/06	06/30/07	22077
9-31166	Housing First Program Evaluation Services	283B0	Guerin	8%	City of Albuquerque	16,428	1,217	07/14/06	07/13/07	21397
9-31173	AMCI Research Services	284Z0	Guerin / Freeman	20%	City of Albuquerque	31,780	5,297	08/21/06	06/30/07	22187
9-31174	NM Project Safe Neighborhood - Gang Activity	285K0	Broidy/Wadsworth	26%	NM Dept of Public Safety	37,855	6,309	08/01/06	06/30/08	22316
9-31189	Radicalization of U.S. Prison Inmates: An Exploratory Study	288B0	Useem	26%	CSR - NIJ	30,000	6,190	12/01/06	04/01/08	22508
9-31203	Weed & Seed Year 3	289A0	Broidy/Wadsworth	20%	City of Albuquerque	20,000	3,333	10/01/06	09/30/07	22582
9-31204	JRSA Weed & Seed Evaluation	290H0	Broidy/Wadsworth	50%	Justice Research Statistics Assoc.	36,543	12,181	03/01/07	11/30/07	22601
9-31213	AMCI - Albuquerque Metropolitan Central Intake	294W0	Broidy	8%	City of Albuquerque	1,500,000	111,111	07/01/07	06/30/08	22995
9-31214	Discipline-High School Race/Ethnic/Gender Disp.	293Z0	Lopez/Hood	0%	Sociological Initiative Foundation	15,000	0	04/01/07	05/31/08	22892
9-31215	Competitiveness-ALBQ Police Dept-Recruiting officers	295F0	Guerin	8%	City of Albuquerque - Police Dept.	11,022	816	06/01/07	09/30/07	22920

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DEPARTMENT OF SPANISH AND PORTUGUESE

CHAIR: J. CLANCY CLEMENTS

DEPARTMENT ADMINISTRATOR II: ROSARIO JOHNSON

ANNUAL REPORT

JULY 1, 2006 – JUNE 30, 2007

I. TEACHING FACULTY AND STAFF

A. TENURED AND TENURE TRACK FACULTY

Spanish

Anthony J. Cárdenas-Rotunno	Professor
J. Clancy Clements	Professor
Enrique Lamadrid	Professor
Tey Diana Rebolledo	Professor
Kimberle López	Associate Professor
Miguel López	Associate Professor
Judy Maloof	Associate Professor
Kathryn McKnight	Associate Professor
Susan Rivera	Associate Professor
Rena Torres Cacoullos	Associate Professor
Mirta Alejandra Balestra	Assistant Professor
María Dolores Gonzales	Assistant Professor
Mary B. Quinn	Assistant Professor
Eleuterio Santiago-Díaz	Assistant Professor
Catherine Travis	Assistant Professor

Portuguese

Margo Milleret	Associate Professor
Leila Lehnen	Assistant Professor

B. LECTURERS

Deanna Cornejo-Patterson	Sagrario Cruz-Carretero	Andrea Juárez-Gutiérrez
Socorro Lara	Noemí López	Patricia Rosas-Lopátegui

C. Emeritus Professors

John Bergen	Garland Bills
Rubén Cobos	Pelayo Fernández
Rosa Fernández	Dick Gerdes
Angel González	Erlinda Gonzales-Berry
Tamara Holzapfel	Raymond MacCurdy
Alfred Rodríguez	Jon Tolman

D. Teaching Assistants

Ph.D.

Erin Amason Montero	Sonia Balasch	David Briggs
Earl Brown	Verónica Calvillo	María Conklin
Héctor Contreras	Mary Copple	Emil Crawford
Teresa Dovalpage	José Duarte	Jennifer Dumont
Evelyn Durán Urrea	Lorena Galván-Valenzuela	Sara Guengerich
Kiley Guyton	Sonia Hicks-Rodríguez	Carmen Holguín Chaparro
Alena Johnson	Theodore Walker	Damián Wilson

M.A. Spanish

Daniel Arbino	Elena Avilés	Rebecca Bender
Jessica Cano	Sonya Chaparro	Peter Cooley
Wendy Courtemanche (LAII)	Vanessa de Veritch	Jorge Estrada
Vanessa Fonseca	Fernando Garavito	Angela Gonzales
Juan Carlos González	Michael Gradoville	Noemí López
Karina Peña López	Lilia Martínez	Misty Ring (LAII)
José Luis Santana	Fabián Sifuentes	Hiram Smith
Alex Sousa	Aaron Taylor	Pedro Torres
Alma Valdez	Ana Zazueta	

M.A. Portuguese

Wanessa Batista	Lígia Bezerra	Michelle Lima-Henrique
Ricardo Moreira		

Arts and Sciences Interdepartmental Teaching Assistants

Angely Cárcamo	Economics

Seth Doyle	Latin American and Iberian Institute
Pablo García	
Jeremy Lehnen	Latin American and Iberian Institute Graduate Assistant/Webmaster
Ana María Martínez-Rodríguez	Economics
Carson Morris	History
Elvira Pichardo	Anthropology
Luis Robles	Ecomonics

E. OFFICE STAFF

Rosario Johnson	Department Administrator II
Martha Hurd	Graduate Administrative Assistant II
Maríafelix Treviño	Language Instruction Administrative Assistant II
Katharine E. Merrill	Department Administrative Assistant II

F. WORK STUDY STAFF

Norma Castillo Rosalinda Olivas Anthony Orton

Leobarda Zacarias

G. DEGREES AWARDED

Summer 2006

DOCTORATE IN SPANISH AND PORTUGUESE

José Bañuelos,
Dissertation Title: Cuatro poetas de la alienación: Elvio Romero, Cristina Peri Rossi, Juan Gelman y Majorie Agosín.

Mark Waltermire,
Dissertation Title: Social and Linguistic Correlates of Spanish-Portuguese Bilingualism on the Uruguayan-Brazilian Border.

MASTER OF ARTS IN SPANISH

Stephanie Severs – Thesis Title: The Variants of Phoneme /t / in Middle Class Chilean Discourse.

MASTER OF ARTS IN PORTUGUESE

Wanessa Batista – Thesis title: Nas malhas do moderno e pós-moderno: Considerações teóricas em El delirio de Turing, de José Edmundo Paz-Soldán, e Assombros urbanos, de Dionísio Jacob.

Daniel Díaz Huerta – Thesis Title: The Brazilian Dominatrix: A Study of Power and Play.

BACHELOR OF ARTS IN SPANISH

Ashley Amparan Peter Cooley

BACHELOR OF ARTS, SECOND MAJOR IN SPANISH

Jordan Fitzgerald Abby Mitchell

Fall 2006

DOCTORATE IN SPANISH AND PORTUGUESE

Jessica E. Aaron,
Dissertation Title: Variation and Change in Spanish Future Temporal Expression: Rates, Constraints, and Grammaticization.

Jens Clegg,
Dissertation Title: Lone English-origin Nouns in the Spanish of New Mexico: A Sociolinguistic Analysis.

MASTER OF ARTS IN SPANISH

Noemí López

BACHELOR OF ARTS IN SPANISH

Jan Ankerson	Alexandra Bonilla	Nicole Butler
Isidora López	Diana Orozco	Carmella Scorcia
Natalie Smith	Leo Trejo	Alba Villezcas

BACHELOR OF ARTS, SECOND MAJOR IN SPANISH

Michael Balleau	Gretchen Boon	Alicia Castro
Isaac Chacon	Blake Croxdale	Anneledi Gallegos
Amber García	Raquel Guzman-Vega	Jean Jacquez
Feliz Madrugada	Alicia Marcell	Sofia Marrufo
Marta Pereira	William Pérez	Samantha Schiowitz
Andrea Silva	Derek Silver	Michael Sirianni
Laura Vega	Seth Wilson	

BACHELOR OF SCIENCE, SECOND MAJOR IN SPANISH

Jessica Bryant	Valentina Padilla	Lindsey Perehoduk

BACHELOR OF ARTS, IN PORTUGUESE

Faith Brandt

Spring 2007

DOCTORATE IN SPANISH AND PORTUGUESE

Spencer Herrera,
Dissertation Title: Pochoroman: The Birth of the Chicano/a Writer

MASTER OF ARTS IN SPANISH

David García – Thesis Title: Moros y Cristianos: Intangible Cultural Exchange Along the Camino Real

Rebecca Bender	Dora Careaga Coleman	Vanessa de Veritch
Jorge Estrada	Vanessa Fonseca	Michael Gradoville
Juanita Pfaff	José Luis Santana	

MASTER OF ARTS IN PORTUGUESE

Zachary Miller

BACHELOR OF ARTS IN SPANISH

María Arnold	Elizabeth Baugher	Anne Benscoter
Michael Bishop	Jennifer Brower	Paola Ferreira
Mayra Flores	Lydia Gutiérrez	Henry Jaureguí
Margaret June	Ryan Kruskamp	Elyse Kurpiers
Adriana Liberman	Georgia Manjoros	María Muñoz
Miriam Perdomo	Judy Ramírez	Rosemary Serrano
Jeremiah Vasquez		

BACHELOR OF ARTS, SECOND MAJOR IN SPANISH

Raul Aragon	Natalie Armijo	Gabriela Barros
Kristal Bojorquez	David Bryant	Joseph Buffaloe
Colleen Chávez	Valerie Cottrell	Danila Crespin
Jane Domínguez	Dohnia Dorman	Emma Enríquez
Kristin Esquibel	Jacqueline García	Nina Gardea
Amanda Gonzales	Anna Gutiérrez	Emilia Gutiérrez
Jimmylee Gutiérrez	Karyn Herrera	Amber James

Pamela Jiménez	Taylor Kidwell	María Kramer
Maggie Lane	Jeanette Lara	Amanda Lewis
Diana López	Adam Martínez	Marisa Nochumson
Daniel Noriega-Lucero	Michelle Orobitg	David Plaza
Donaji Ramírez	Ana Sánchez	Elaina Sandoval
Jacquelyn Sandoval	Katrina Segura	Christina Sharp
Scott Stromberg	Crystal Trujillo	Michelle Trujillo
Othiamba Umi	Sirena Walker	Charlotte Woods
Jonathan Zúniga		

BACHELOR OF SCIENCE, SECOND MAJOR IN SPANISH

Jonathan Andrews	Laura Brainerd	Anabel Johnson
Desiree Martínez	Erin Schultz	

BACHELOR OF ARTS, IN PORTUGUESE

William Meadows	Ty Pankretz

BACHELOR OF ARTS, SECOND MAJOR IN PORTUGUESE

Bruce Chávez	Camille Plumbar	Sebastian Ruíz

II. DEPARTMENTAL HIGHLIGHTS

The year was a constructive and active one on the part of faculty, students and staff. The Spanish and Portuguese Graduate Student Association presented a series of four brown bag lectures which included poetry readings, research, lectures and presentations by students and faculty. They also sponsored several workshops on preparing M.A. exams, applying to Graduate School, and comprehensive exam preparation. The Department sponsored musical performances by Tomás Lozano, the play of Los Pastores, a tribute to the Mexican writer Elena Garro and a reading of her work, and the Alfred Rodriguez Annual Lecture, featuring Adriana Lisboa on "Writing in Brazil after Clarice Lispector, Fictional Snares." Departmental faculty and students also participated in the World Language Expo, Explore a Major Fair, and other UNM sponsored student forums. Faculty also presented fourteen invited lectures and keynote addresses on their research as well as 43 papers at national and international conferences. The faculty and graduate students published three books, eighteen articles and book chapters, and nine book reviews. Professor Enrique Lamadrid produced two compact disks, two museum catalogues and guides and was guest curator for three museum exhibitions, thus highlighting the diverse scope of activities of faculty. The faculty were also active on editorial boards and in learned and professional societies, such as the Modern Language Association, the Rocky Mountain Council for Latin American Studies, the American folklore society and the Recovery the U.S. Hispanic

Heritage Project. They were outside readers of articles, book projects, and tenure and promotion files.

We held a highly successful conference, "The Politics of Language Cross-Disciplinary Symposium and Workshops: The Invisible Majority of the Southwest, Learners of Spanish as a Heritage Language, October 19-21, 2006, organized by Professor María Dolores Gonzales. At this conference there were 21 sessions involving presentations delivered by more than 85 professors, graduate students and community members. Keynote speakers were Dr. Otto Santa Ana, University of California, Los Angeles, and Dr. Erlinda Gonzales-Berry, Oregon State University.

Faculty members continued to work on student outcomes and assessment, aided by a grant from the Dean of the College of Arts and Sciences. Three faculty members, Margo Milleret, Kathy McKnight and Maria Dolores Gonzales received $7,000.00 to support their work on student outcomes and assessment. Moreover we began to prepare for our self-study and Academic Program Evaluation which will take place in Fall-Spring 2007-2008.

Faculty were productive outside of the university, giving a wide variety of presentations on writing, study abroad, careers, heritage language, and recruitment to groups such as Albuquerque Public Schools, The American Association of University Women, and the National Hispanic Cultural Center.

Faculty and graduate students participated in study abroad activities. Alejandra Balestra took students on the Caminito study abroad program to Argentina, Anthony Cárdenas to Spain, Maria Dolores Gonzales, Miguel Lopez, and Enrique Lamadrid to Mexico.

Departmental faculty received awards: Clancy Cements was a speaker in the Distinguished Lecture series at the University of North Texas; María Dolores Gonzales was honored by the Walking the Talk in Higher Education by the New Mexico Round Table, and Tey Diana Rebolledo was promoted to Distinguished Professor. Students receiving major awards were: Jenny Dumont, the Latin American and Iberian Institute Ph.D. Fellowship; Kiley Guyton, the Ford Foundation Predoctoral Diversity Fellowship; Alena Johnson, the Latin American and Iberian Institute Ph.D. Fellowship; and Rain Story the Phi Kappa Phi Graduate Fellowship.

We awarded five Ph.D. s in Spanish, 10 M.A. degrees in Spanish and three in Portuguese.

We held our yearly graduation outside for the first time to great acclaim and had the Matachines de Taos perform for our graduation ceremony. We will continue this as a tradition. Finally, our Chair, Clancy Clements, decided to return to the University of Indiana and he was replaced by Professor Rebolledo.

A. Staff Changes

J. Clancy Clements stepped down as Chair, June, 2007.
Katharine E. Merrill was promoted to Administrative Assistant II, July, 2006.
Maríafelix Treviño resigned, March, 2007.

B. Awards

Professors

J. Clancy Clements
Speaker in the Distinguished Lecture Series at the University of North Texas, April 26, 2007. "Language ecology, language processing and the structure of contact varieties of Spanish and Portuguese".

María Dolores Gonzales
Walking the Talk in Higher Education Award - New Mexico Round Table January 17, 2007. This award honored five New Mexican educators in higher education who have contributed to the advancement of New Mexico's Hispano/Latino population, culture, language and history.

Tey Diana Rebolledo
Named Distinguished Professor by Reed Dasenbrock Provost, Vice-President for Academic Affairs, August 21, 2006.

GRADUATE STUDENTS

Earl Brown
- Travel Grant of $225.00 from the Spanish and Portuguese Graduate Student Association.
- Research, Project, and Travel (RPT) Grant. $242.00 from Office of Graduate Studies.

Grants from the University of New Mexico, awarded November 2006, to present a paper at *New Ways of Analyzing Variation (NWAV) 35* conference at the Ohio State University. November 9-12, 2006, in Columbus, Ohio.

Vanessa de Veritch
- Student Research Allocation Committee Grant of $400.00 from the Graduate and Professional Student Association.
- Department of Spanish and Portuguese Grant of $357.00.

Grants from the University of New Mexico, awarded July 2006, to present a paper at the *5th International Conference on Chicano Literature* in Alcalá de Henares, Spain, July 2006.
- Department of Spanish and Portuguese Grant of $250.00. Awarded May, 2007 to present a paper at the *42nd International Medieval Studies Congress* at Western Michigan University. May 10-13, 2007 in Kalamazoo, Michigan.

Jenny Dumont
Latin American and Iberian Institute Ph.D. Fellowship of $11,641.00.
Fall 2006 - Spring 2007.

Michael Gradoville
- Research and Conference Travel Allocation from the Spanish and Portuguese Graduate Student Association grant of $30.00.
- Student Research Allocations Grant from the Graduate and Professional Student Association in the amount of $100.00.
- Research, Project, and Travel Grant from the Office of Graduate Studies in the amount of $135.00.

Grants from the University of New Mexico, awarded in the Fall of 2006, were used to present a paper at the *IX Encuentro Internacional de Lingüística en el Noroeste* conference at the Universidad de Sonora, November 15-17, 2006. Hermosillo, Sonora, Mexico.

Kiley Guyton
Ford Foundation Predcctoral Diversity Fellowship of $19,000.00. Three year award, 2006 - 2009.

Alena Johnson
Latin American and Iberian Institute Ph.D. Fellowship of $10,000.00.
Fall 2006 - Spring 2007.

Rain Story
Phi Kappa Phi Graduate Fellowship Award of $5,000.00. Fall 2006 – Spring 2007. Competitive graduate fellowship based on GPA, leadership, community involvement, and high academic standards.

STAFF

Martha Hurd
Nominated for the Sarah Belle Brown Community Service Award, February 2007. Received a Certificate of Recognition for Commitment to the University of New Mexico's Public Service Mission. Ms. Hurd volunteers with People's Anti-Cruelty Association (PACA) as a foster care-giver for homeless cats.

III. DEPARTMENTAL ACTIVITIES

A. EVENTS

"Memoria de la piedra." September 21, 2006.
A Spanish and Portuguese Graduate Student Association "Brown Bag" Presentation: Héctor Contreras' Poetry Readings from his book *Memoria de la piedra.* Héctor Contreras is a doctoral candidate at University of New Mexico. The event was held to publicize the recent publication of our colleague's poetry and to introduce fellow students to his work. Held in the Ortega Hall Reading Room.

"The Making of a Three Genre Corpus of the Spoken Spanish in Quito, Ecuador." September 29, 2006.
A Spanish and Portuguese Graduate Student Association "Brown Bag" Presentation of Hispanic Linguistic Research and Funding by Jenny Dumont, a doctoral student and José Luis Santana a Master's student at University of New Mexico. This event introduced our department's students to one aspect of research being conducted within the department about funding sources available to Spanish and Portuguese students. Held in the Ortega Hall Reading Room.

Master's Comprehensive Exam Preparation Workshop." October 5, 2006.
A Spanish and Portuguese Graduate Student Association Workshop: Master's Comprehensive Exam Preparation by Dr. Miguel López, professor at University of New Mexico. This workshop introduced students to the format of the Department of Spanish and Portuguese's Master's comprehensive exams and provided study tips for students in all areas

of our department (Linguistics, Literature, Portuguese, Southwest Studies). Held in the Ortega Hall Reading Room.

Politics of Language Cross-Disciplinary Symposium and Workshops: The Invisible Majority of the Southwest, Learners of Spanish as a Heritage Language October 19-21, 2006.
There were 21 sessions involving presentations delivered by over 85 professors, graduate students, and community members. Keynote addresses were delivered by Dr. Otto Santa Ana, Department of Chicana and Chicano Studies at the University of California, Los Angeles and Dr. Erlinda Gonzales-Berry, Chair of Ethnic Studies Program, Oregon State University. Several events accompanied the conference sessions: A play presented by Patricia Cano, graduate candidate at the University of New Mexico and Professor at Western New Mexico University and preformed by students from Western New Mexico University; a poetry reading by Students and guest poet Levi Romero; and a reception/homenaje for Sabine Ulibarrí. Original artwork for promotional materials created by Katharine E. Merrill.
Posters and flyers designed by Ms. Merrill and Jeremy Lehnen.
Held in Student Union Building at the University of New Mexico and the National Hispanic Cultural Center.

"How to Study for M.A. Exams and apply to Graduate School." November 9, 2006.
Professor Miguel López of the Department of Spanish and Portuguese held a workshop on strategies for successfully applying to graduate programs and how to effectively study for comprehensive examinations. Held in the Ortega Hall Reading Room.

"Escuelas musicales en Nuevo México en el siglo XVII " November 10, 2006.
Tomás Lozano performed. Held in the Ortega Hall Reading Room.

"Recent Literary Studies and Works in Progress." November 16, 2006.
A Spanish and Portuguese Graduate Student Association "Brown Bag" Presentation: Recent Literary Studies and Works in Progress by Dr. Anthony Cárdenas, professor at University of New Mexico, José Duarte, a doctoral student at University of New Mexico, Fabián Sifuentes, a Master's student at University of New Mexico. This presentation provided a forum for students and faculty to be introduced to research being conducted within the department and for presenters to receive feedback regarding their works in progress. Held in the Ortega Hall Reading Room.

"Homenaje a Elena Garro en el 90 aniversario de su nacimiento: A Presentation of Theater and Poetry Honoring Mexican Writer Elena Garro." November 30, 2006.
Dr. Patricia Lopátegui, lecturer at University of New Mexico, and various graduate students in the Department of Spanish and Portuguese presented of one of Elena Garro's dramatic works and reading of poetry selections to raise awareness of the Mexican writer's work. Held in the Ortega Hall Reading Room. Sponsored by Dr. Lopátegui and the Spanish & Portuguese Graduate Student Association.

"Los Pastores, the New Mexican Shepards play with La gran pastorela de Belén" December 1, 2006.

Performance of Los Pastores. Co-sponsors: UNM Maxwell Museum and Alfonso Ortiz Center, and Chicano Hispano Mexicano Studies. Organized by Professor Enrique Lamadrid. Held in the Alumni Chapel.

"UNM's World Language Expo." March 3, 2007.
Department Administrator Rosario Johnson and the Spanish and Portuguese graduate students participated in the workshops, competitions and demonstrations to promote the Spanish and Portuguese languages and cultures. Held in Ortega Hall. Sponsored by Foreign Language and Literatures.

The Alfred Rodríguez Lecture Series - "Writing in Brazil after Clarice Lispector: Fictional Snares" April 17, 2007.
Lecture by Adriana Lisboa, University of the State of Rio de Janeiro. Held in the Ortega Hall Reading Room.

"Recent Literary Studies and Works in Progress." April 27, 2007.
A Spanish and Portuguese Graduate Student Association "Brown Bag" Presentation: Dr. Anthony Cárdenas, professor at University of New Mexico, and Vanessa de Veritch Woodside, Master's student at University of New Mexico. This presentation introduced students and faculty to medieval literary research being conducted within the department and presenters received feedback on their works in progress. Held in the Ortega Hall Reading Room. Sponsored by the Spanish & Portuguese Graduate Student Association.

"Moros y Cristianos." April 30, 2007.
Lecture given by Tomás Lozano regarding New Mexico's celebrated reinactment of the battles between the Moors and Christians that took place in Spain over many centuries. Held in the Ortega Hall Reading Room.

B. INVITED TALKS

Anthony J. Cárdenas
- "Of Asses and Lasses in the *Esopete ystoriado*." Spanish and Portuguese Graduate Student Association's "Brown Bag" Presentations: *Recent Literary Studies and Works in Progress* at the University of New Mexico. November 16, 2006.
- "Dickering with the Dickens: Celestina, Before and After." UNM Medieval Institute's Spring Lecture Series 2007: *A Medieval Miscellany,* University of New Mexico April 5, 2007. Albuquerque.

J. Clancy Clements
- "Brazilian Portuguese and the ecology of colonial Brazil." *Iberian Imperialism and Language Evolution in Latin America,* University of Chicago, April 13-14, 2007.
- "Language ecology, language processing and the structure of contact varieties of Spanish and Portuguese." Speaker in the Distinguished Lecture Series, University of North Texas, April 26, 2007. Denton.

María Dolores Gonzales
"Unspoken Realities: Clases de español para una mayoría invisible" Twelfth Spanish Graduate Student Symposium: *Voces, Palabras e Imágenes de Fronteras: Espacio Geográficos y Metafóricos de Literatura, Lingüística y Cinematografía,* Arizona State University, April 5-7, 2007. Tempe.

Enrique Lamadrid
- "Four Centuries of Hispanic Balladry in New Mexico." Nason Center, Latin American and Border Studies, New Mexico State University, September 14, 2006. Las Cruces.
- EL RÍO International Roundtable on the Future of the Río Grande, University of New Mexico, September 12, 2006.
- *"Chicanos: Who Are We?"* Human Rights Focus Program. Broadcast on Government Channel TV 16, Evelyn R. Saiz, Host. April 2007 (continuous bi-weekly broadcast).
- Phi Kappa Phi Honor Society Annual Lecture "Holiday Traditions of New Mexico" University of New Mexico, November 29, 2006.

Kimberle López
"Shrunken Heads: Monterroso's 'Mr. Taylor' and Ethnographies of the Shuar of Eastern Ecuador," Latin American and Iberian Institute, University of New Mexico. April 13, 2007.

Miguel López
- Lead discussion of the film "La batalla de las cruces" during Media Arts' week long event about the femicides in Juarez. November 2006. University of New Mexico.
- "Women's Ethnographies of Indigenous Communities in Twentieth Mexico 1930-940" Feminist Research Institute, University of New Mexico. October, 2006.

Margo Milleret
"From Determining Needs to Making Curriculum Improvements: One Approach to Comprehensive Program Evaluation." *Association of Departments of Foreign Languages* (of the Modern Language Association), *Seminar-West.* University of Hawaii, June 7-11, 2007. Honolulu, Hawaii.

Tey Diana Rebolledo
"Other Ways of Knowing in Chicana Literature." Keynote Speaker. *5TH International Conference on Chicano Literature* in Alcalá de Henares, Spain, July 2006.

Eleuterio Santiago-Díaz
"Presentation of Memoria de la piedra, by Héctor Contreras López," Sponsored by the Spanish and Portuguese Graduate Student Association at The University of New Mexico, September 21, 2006. Albuquerque.

C. FACULTY PUBLICATIONS

Anthony J. Cárdenas

Book Edited:
Text and Concordances of the Libro del cauallero Zifar (Libro del cauallero de Dios). Madrid, Biblioteca Nacional ms 11.309. Anthony J. Cárdenas-Rotunno, ed. With Loreto Catoira, Manuel Ostos, Jessi Aaron, and Margarita Ochoa. CD-ROM. New York: HSMS, 2007.
Book Review:
"Unhappily Ever After: Deceptive Idealism in Cervantes's Marriage Tales, by Eric J. Kartchner." Documentación cervantina 22. Newark, DE: Juan de la Cuesta, 2005. Appeared in *Cervantes* 26.1-2 (2006): 215-18.

J. Clancy Clements

Book Edited:
History, society, and variation in pidgins and creoles (co-edited with Thomas Klingler, Deborah Piston-Hatlen, and Kevin Rottet). Amsterdam: Benjamins (2006)
Refereed Book Chapter:
"The lexicalization – grammaticalization continuum," in *History, society, and variation in pidgins and creoles*, edited by J. Clancy Clements, Thomas Klingler, Deborah Piston-Hatlen, and Kevin Rottet (2006). Amsterdam: Benjamins, 77-101.

María Dolores Gonzales

Article in Refereed Scholarly Journal:
"Todavía Decimos 'Nosotros {Los} Mexicanos'": Construction of Identity Labels Among Nuevomexicanos, *Southwest Journal of Linguistics,* June, 2007.

Leila Lehnen

Articles in Refereed Scholarly Journals:
"Entre ángeles y demonios: La fragmentación de la subjetividad contemporánea en *Diablo guardián* de Xavier Velasco." *Letras Hispana. Revista de Literatura y Cultura* 3:2 http://letrashispanas.unlv.edu/index_files/page0006.html. Spring 2007.
Book Review:
"The Promise of the Foreign: Nationalism and the Technics of Translation in the Spanish Philippines (2005) by Vicente L. Rafael," Journal of Anthropological Research (Fall 2006). 412-414.

Kimberle López

Book Review:
"Latin American Novels of the Conquest by Giada Biasetti," in *Sin Frontera*, January, 2007.
Encyclopedia Article:
"Cannibalism," entry for *Encyclopedia of Latin American History and Culture,* ed. Joseph S. Tulchin. New York: Scribners/Gale Thompson, 2007.

Judy Maloof

Article in Refereed Scholarly Journal:

"The Chicana Detective as Clairvoyant in Lucha Corpi's *Eulogy for a Brown Angel* (1992), *Cactus Blood* (1996), and *Black Widow's Wardrobe* (1999)." *Cyberletras, Journal of Literary Criticism and Culture*, Number 15 (July 2006) ISSN: 1523-1720 http://www.lehman.edu/ciberletras

Conference Proceedings:

"The Healing Power of Storytelling in María Amparo Escandón's *González & Daughter Trucking Co.: A Road Novel with Literary License*," *Hawaii International Conference on Arts and Humanities,* Honolulu, Hawaii, January 12-15, 2007. ISSN # 1541-5899

Book Review:

- "*The Fifth Sun* by Mary Helen Lagasse." *Letras Femeninas*, vol. 32, No. 2 (Fall 2006) 253-255.
- "*Desert Blood: The Juárez Murders* by Alicia Gaspar de Alba." *Latino Studies,* No. 4 (2006): 184-185.
- "*Delirio* by Laura Restrepo," *Letras Hispanas: Revista de Literatura y Cultura,* Vol 3, Issue 2 (Fall 2006) http://letrashispanas.unlv.edu/index-files/page006.html

Mary B. Quinn

Book Reviews:

- "*Cervantes's Novel for Modern Times* by David Quint" in *Society for Spanish and Portuguese Historical Studies Bulletin* (Fall 2006).
- "*Los Moriscos y Ginés Pérez de Hita* by María Soledad Carrasco Urgoiti" in *Hispania*, 90.1, March 2007.

Tey Diana Rebolledo

Book Review:

"*Curandero* by Eliseo 'Cheo Torres.'" *New Mexico Historical Review,* Fall 2006.

Rena Torres Cacoullos

Articles in Refereed Scholarly Journal:

"Sustantivos de origen inglés en discurso español: ¿cuál es su gramática?" *Rio Bravo. A Journal of the Borderlands* Rena Torres Cacoullos and Neddy A.Vigil. 2006 [2003]. (Special editor: Glenn Martínez) 2.1: 69-84.

Selected Conference Proceedings:

"*Te sales*: ¿puede cuantificarse la subjetivización?" Jessi E. Aaron and Rena Torres Cacoullos. In Rosa María Ortiz Ciscomani (ed.), *VIII Encuentro Internacional de Lingüística en el Noroeste, Serie Memorias*, vol. 2, 43-63. 2006. Hermosillo, Sonora: UniSon.

Catherine Travis

Articles in Refereed Scholarly Journals:

- "*Dizque*: A Colombian evidentiality strategy." *Linguistics* 44(6):1269-1297. 2006.
- "Genre effects on subject expression in Spanish: Priming in narrative and conversation." *Language Variation and Change* 19(2):1-35. 2007.

Refereed Book Chapters:

- "Natural Semantic Metalanguage exponents and universal grammar in Romance:

Evaluators and descriptors; mental predicates." In Bert Peeters (ed), *Semantic primes and universal grammar: Empirical evidence from the Romance languages*, 79-109. Amsterdam: John Benjamins. (co-authored with: Bert Peeters, Marie Odile Junker, Patrick Farrell, Pedro Perini-Santos & Brigid Maher) 2006.

- "Natural Semantic Metalanguage exponents and universal grammar in Romance: Substantives; determiners; quantifiers." In Bert Peeters (ed), *Semantic primes and universal grammar: Empirical evidence from the Romance languages*, 41-77. Amsterdam: John Benjamins. (co-authored with: Bert Peeters, Marie Odile Junker, Patrick Farrell, Pedro Perini-Santos & Brigid Maher) 2006.

Selected Conference Proceedings:

"Subjetivización de construcciones: Los verbos 'cognitivos' en el español conversacional." In Rosa María Ortiz Ciscomani (ed), *VIII Encuentro Internacional de Lingüística en el Noroeste, Serie Memorias*, vol. 2, 85-109. 2006. Hermosillo, Sonora, Mexico: UniSon.

D. Graduate Student Publications

Jessi Elena Aaron, Loreto Catoira, Margarita Ochoa, Manuel Ostos

Book Editorial Contribution:

"Text and Concordances of the *Libro del cauallero Zifar* (*Libro del cauallero de Dios*)." Madrid, Biblioteca Nacional ms 11.309. Anthony J. Cárdenas-Rotunno, ed. CD-ROM. New York: HSMS, 2007.

Jessi Elena Aaron

Selected Conference Proceedings:

"Te sales: ¿puede cuantificarse la subjetivización?" Jessi E. Aaron and Rena Torres Cacoullos. In Rosa María Ortiz Ciscomani (ed.), *VIII Encuentro Internacional de Lingüística en el Noroeste, Serie Memorias*, vol. 2, 43-63. 2006. Hermosillo, Sonora: UniSon.

Héctor Contreras-López

Book of Poetry:

Memoria de la piedra. Solar Publications 2006.

Evelyn Durán Urrea and Michael Gradoville

Selected Conference Proceedings:

- "Variation in the Future Tense in New Mexican Spanish." in *Texas Linguistic Forum 50*, 2007. Conference: *XIV Symposiun About Language and Society* University of Texas at Austin, April 9-11, 2006. Austin.
- "De la Futuridad a la epistemicidad. La situación actual del tiempo futuro en el español de Nuevo México." (In press) In *Memorias del IX Encuentro Internacional de Lingüistica en el Noroeste*. Hermosillo, Sonora, Mexico: Unison. Conference: *IX Encuentro Internacional de Lingüística en el Noroeste* (9TH Internacional Conference of Linguistics in the Northwest, University of Sonora, Mexico, November 15-17, 2006.

Hermosillo.

Michael Gradoville

Article:
"Reducing the word length-token frequency function to an equation." *Divergencias. Revista de estudios lingüísticos y literarios* 4(2): 1-12. 2006.

E. Papers Read by Faculty

Alejandra Balestra
"Formas de tratamiento en correspondencia en español: California y Nuevo México, 1800-1900." *21st Conference on Spanish in the United States and 6th International Conference on Spanish in Contact.* March 15-18, 2007. Arlington, Virginia.

Anthony J. Cárdenas
- "Lasses and Asses in the Medieval Spanish Aesopic Fables." *60th Annual Convention of the Rocky Mountain Modern Language Association,* October 12-14, 2006. Tucson, Arizona.
- "Achieving Authority Through Affliction: Leonor López de Córdoba and Teresa de Cartagena." *Modern Language Association Conference*, December 27-30, 2006. Philadelphia, Pennsylvania.
- "Daring to Edit the *Libro del caballero Zifar.*" *42nd International Congress on Medieval Studies.* The Medieval Institute at Western Michigan University, May 10-13, 2007. Kalamazoo.

J. Clancy Clements
- "Social hierarchization, attitudes, and the maintenance of Indo-Portuguese creoles." The *Society for Pidgin and Creole Languages,* June 18-20, 2007. Amsterdam, Netherlands.
- "Cultural identity and language creation." *La asociación de Criollos de Base Léxica Portuguesa y Española*, June 18-20, 2007. Amsterdam, Netherlands.
- "Emergent Grammar, the Gradualist Hypothesis and abrupt creolization: The semantic extension of genitive *de* and the semantic shift of *se nãw* 'if not, otherwise' in Daman Creole Portuguese." *New Ways of Analyzing Variation*, November 9-12, 2006. Columbus, Ohio.
- "The creation, maintenance, and dissolution of speech varieties: social hierarchization, history, and attitudes." *Politics of Language Cross-Disciplinary Symposium and Workshops: The Invisible Majority of the Southwest, Learners of Spanish as a Heritage Language,* University of New Mexico, October 19-21, 2006. Albuquerque.

María Dolores Gonzales
- "Hispanic Elderly: Cultural and Linguistic Issues in Geropsychiatry." *Annual Meeting of American Association for Geriatric Psychiatry,* March 1-4, 2007. New Orleans, Louisiana.
- "'Mejor que no la hablen': Asuntos históricos y socio-políticos en la enseñanza de español como lengua de herencia en UNM" *Politics of Language Cross-Disciplinary*

Symposium and Workshops: The Invisible Majority of the Southwest, Learners of Spanish as a Heritage Language University of New Mexico, October 19-21, 2006. Albuquerque.

- **Workshop Moderator:** "¿Cómo comenzamos? Starting a SHL program at the University" *Politics of Language Cross-Disciplinary Symposium and Workshops: The Invisible Majority of the Southwest, Learners of Spanish as a Heritage Language* University of New Mexico, October 19-21, 2006. Albuquerque.

Enrique Lamadrid

- "Roots of the Penitente Brotherhood: An Ethnographic Survey." *Recovering Hispanic Religious Thought and Practice in the United States Conference,* University of Houston, November 2006. Houston, Texas.
- "¿Ya pa' qué, Don Cacahuate?" Negotiations of Language and Assimilation in New Mexico's First Agringado Joke Cycle." *Politics of Language Cross-Disciplinary Symposium and Workshops: The Invisible Majority of the Southwest, Learners of Spanish as a Heritage Language,* University of New Mexico, October 19-21, 2006. Alburquerque, New Mexico.
- *"El Corrido de George Silva*: the Role of Broadside Ballads in the Political Process." With David F. García, *Recovering the U.S. Hispanic Literary Heritage Project Symposium,* October, 2006. St. Louis, Missouri.
- "The Long and Ancient Road: Development of the Camino Real International Heritage Center." Mountain-Plains Museums Association, September 20, 2006. Taos, New Mexico.
- "Rutas del Corazón: Pilgrimage and Cultural Commerce on the Camino Real de Tierra Adentro." Official Santa Fe Fiesta Keynote Lecture, September 6, 2006. Santa Fe, New Mexico.

Leila Lehnen

- "Suburban Nightmares: The Metaphoric Bodies of Fernando Bonassi's *Subúrbio*." *54TH Annual Conference Rocky Mountain Council for Latin American Studies,* January 24- 27, 2007. Santa Fe, New Mexico.
- "The Material Girl's Digital Archive: Literature and New Media Economy in Clarah Averbuck's *Máquina de pinball*." *Modern Language Association Conference,* December, 2006. Philadelphia, Pennsylvania.
- "Cannibal Delights: *Hans Staden* and the Anthropophagic Other." *8TH Brazilian Studies Association Conference.* October 13–16, 2006. Nashville, Tennessee.
- "História canibal: Digerindo a historiografia e a ficção em *Terra Papagalli* e *El entenado*." *Associação Brasileira de Literatura Comparada Conference*, July-August 2006. Rio de Janeiro, Brazil.

Kimberle López

- "Exile and the Poetics of Space in Two Autobiographical Novels by Alicia Dujovne Ortiz," *54TH Annual Conference Rocky Mountain Council for Latin American Studies,* January 24-27, 2007. Santa Fe, New Mexico.
- "Healing National Wounds in Ariel Dorfman's *Death and the Maiden*," *Cine-Lit International Conference on Hispanic Film and Literature*, February 21-24, 2007.

Portland, Oregon.

- Panel Organizer and Respondent: "Decentering the Cinematic Gaze: Brazilian Cinema at the Turn of the Millennium," *8TH Brazilian Studies Association Conference,* October 13-16, 2006. Nashville, Tennessee.
- Panel Organizer: "The Geography of Identity in Latin American Jewish Women Writers," *54TH Annual Conference Rocky Mountain Council for Latin American Studies,* January 24-27, 2007. Santa Fe, New Mexico.

Miguel López

- "*La ciudad letrada* de José Vasconcelos en la novela femenina de los años 1940," *13TH Conference on Mexican Studies: City in Mexican Literature* at University of California, April 2007. Irvine, California.
- *"Rosa de Castaño's Texas de México* Rescuing Women Migratory History," Inter-University Program for Latino Research, University of Texas, April 12-14, 2007. Austin.
- "El feminicidio y las miradas autoriales en *Desert Blood* y *La virgen de Juárez"* at *Cine-Lit International Conference on Hispanic Film and Literature,* February 21-24, 2007. Portland, Oregon.
- Respondant: "Etnicidad en el Cine Mexicano Contemporáneo," at *Cine-Lit International Conference on Hispanic Film and Literature,* February 21-24, 2007. Portland, Oregon.
- Presenter and Panel Organizer: "Las agendas posnacionales en Carlos Fuentes y Carlos Monsiváis," at *54TH Annual Conference Rocky Mountain Council for Latin American Studies,* January 24-27, 2007. Santa Fe, New Mexico.

Judy Maloof

"The Healing Power of Storytelling in María Amparo Escandón's *González & Daughter Trucking Co.: A Road Novel with Literary License,*" *5TH Annual Hawaii International Conference on Arts and Humanities,* January 12-15, 2007. Honolulu, Hawaii.

Margo Milleret

- "Teaching Speech Acts" *Fifth International Conference of the American Portuguese Studies Association.* University of Minnesota, Minneapolis. October 5-7, 2006.
- "A Theory of Behaving Brazilian." *Performing Brazil Conference,* Department of Spanish and Portuguese, University of Wisconsin-Madison. April 20-21, 2007. Madison, Wisconsin.

Mary B. Quinn

"Zoraida and the Handless Maiden: A New Look at Cervantes's 'The Captive's Tale'" at the *Renaissance Society of America,* March 22-24, 2007. Miami, Florida.

Tey Diana Rebolledo

- "The New Mexico Federal Writers Project: Opposing Voices, Opposing Ideologies." *The National Council on Public History Conference.* April, 2007. Santa Fe, New Mexico.
- "Saying No to War: The Life and Times of María Mercedes Carranza." *Congreso Interamericana de Literatura,* March 2007. Riviera Maya, Mexico.

- "Excuse Me Tongue and the Confessions of a Berlitz-Tape Chicana: Representations of Language Repression in Chicana Literature." *Politics of Language Cross-Disciplinary Symposium and Workshops: The Invisible Majority of the Southwest, Learners of Spanish as a Heritage Language,* University of New Mexico, October 19-21, 2006. Alburquerque.
- "Chicanas Re-Presenting the Border." *South Central Modern Language Association Conference,* October, 2006. Dallas, Texas.
- "Introduction for Francisco Lomeli." *Critica Nueva Award.* University of New Mexico, Zimmerman Library. Fall 2006.

Eleuterio Santiago-Díaz

- "Disquisiciones en torno al concepto afropuertorriqueño," *54TH Annual Conference Rocky Mountain Council for Latin American Studies,* January 24-27, 2007. Santa Fe, New Mexico.
- "La pregunta por la óptica afropuertorriqueña y la interrogación del silencio," *Speaking the Unspoken, Race and Its in Puerto Rican Experience. 7TH Biennial Meeting of the Puerto Rican Studies Association,* Cornell University, October 5-8, 2006. Ithaca, New York.

Rena Torres Cacoullos

- "Continuidad y cambio en la gramaticalización: la creación del progresivo". *VII Congreso Internacional de Historia de la Lengua Española,* Universidad Nacional Autónoma de México, September, 2006. Mérida, México.
- "Defaults and indeterminacy in temporal grammaticalization," (with Scott A. Schwenter) *7TH High Desert Linguistics Society,* University of New Mexico, November 2006. Albuquerque.
- "Prefabs in the grammaticization of auxiliaries," (Invited plenary, with Joan Bybee) *University of Wisconsin-Milwaukee Linguistics Symposium on Formulaic Language,* April 18-21, 2007. Milwaukee.

F. PAPERS READ BY GRADUATE STUDENTS

Earl Brown

- "Final /s/ Reduction in Three Dialects of Spanish." *New Ways of Analyzing Variation (NWAV) 35,* Ohio State University, November 9-12, 2006. Columbus.
- "*Este hombre* vs. *el hombre este:* The Variable Position of Demonstrative Adjectives in New Mexican Spanish." *IX Encuentro Internacional de Lingüística en el Noroeste.* Universidad de Sonora, November 15-17, 2006. Hermosillo, Sonora, Mexico.

Vanessa de Veritch

"Nuns Negotiating a Discursive Space: Strategies of Resistance in Works by Teresa de Cartagena and Teresa de Jesús." *42ND International Medieval Studies Congress,* The Medieval Institute at Western Michigan University. May 10-13, 2007. Kalamazoo.

Evelyn Durán Urrea and Michael Gradoville
"De la futuridad a la epistemicidad. La situación actual del tiempo futuro en el español de Nuevo México" (From futurity to epistemicity. The current situation of the Future Tense in New Mexican Spanish) *IX Encuentro Internacional de Lingüística en el Noroeste 9TH Internacional Conference of Linguistics in the Northwest*, University of Sonora, Mexico November 15-17, 2006. Hermosillo, Sonora, Mexico.

David García
"El Corrido de George Silva: the Role of Broadside Ballads in the Political Process." With David F. García, *Recovering the U.S. Hispanic Literary Heritage Project Symposium,* October, 2006. St. Louis, Missouri.

Alena Johnson
"The Construction of Political Identities in 16TH Century Central Mexican Pictorial Manuscripts." *The 54TH Annual Conference of the Rocky Mountain Council for Latin American Studies,* January 24-27, 2007. Santa Fe, New Mexico.

G. OTHERS RESEARCH PROJECTS OR CREATIVE WORKS IN PROGRESS OR COMPLETED

Alejandra Balestra

Articles in Refereed Scholarly Journals - submitted but not yet published:
- "Women writers: Linguistic and discourse features of letters written by women in New Mexico and California, Nineteenth Century," *Hispanic Issues Series. Special Issue "Language and Empire. Spanish in a Multilingual and Multicultural Contexts."* Submitted November 2006, to Recovering the U.S. Hispanic Literary Heritage, Vol.7.
- "Formas de tratamiento en correspondencia en español: California y Nuevo México, 1800-1900." *Revista Iberoamericana de Lingüística*. Accepted: April 9, 2007.

Educational Video:
Vistas culturales: Argentina. Video with Script and Activities for first year Spanish as a Second Language Courses. Prentice Hall. August, 2006.

Anthony J. Cárdenas

Book Chapters - accepted but not yet published:
- "The Pleasure of Textual and Iconic Artifice in Alfonso X's *Cantiga* 16: The Miracle of the Love-Sick Knight." In Robinson and Rouhil, eds. *Under the Influence.* Amsterdam: Brill.
- "Of 'Dueñas garridas' and 'Desçendimientos vyles': The/A Juan-Ruiz Conundrum." In *Eclecticism, Complexity and Chaos: Fragmenting the Libro de buen amor*, edited by Paul Larson and Carlos Hawley-Colón.

Conference Proceeding - but not yet published:
"Lo bueno, lo feo, y lo malo: Maritornes y la desviación/diversión de la llamada 'Mirada fija masculina' en Don Quixote." Actas Cervantes y su timpo León 2-5 Noviembre de 2005. España. Universidad de León, Facultad de Filosofía y Letras (Dpto. de Filología Hispánica).

Articles in Refereed Scholarly Journals - accepted but not yet published:

- "Bestialidad y la palabra: el parto perruno en el 'Coloquio de los perros'." *Hispania.*
- "Assessing Asses and Lasses: Triangular Desire in the 1488 Spanish *Esopete ystoriado*." *Romance Quarterly.*

Paper Submitted:

"Faces and Façades: Fray Alonso de Benavides's *Memorial* of 1630 and 1634." *Latin American and Iberian Institute Electronic Research Paper and Occasional Paper Series.*

Enrique Lamadrid

Compact Discs:

- *"El Corrido de George Silva A Bernalillo Tragedy:* Violence, Poetry, and Politics in New Mexico, 1932-33." Albuquerque: Peregrino Productions, 2006. Producer. Article, newspaper files, notes, texts, photo essay on enhanced CD.
- *"Aguas Bravas: Poetry and Songs of EL RÍO."* Albuquerque: Peregrino Productions, 2006. Producer, recordist, annotator-notes and texts on enhanced CD.

Museum catalogs and guides:

- *"Los Chileros*: Saga of the Chile People." Exhibit guide. EL RÍO Exhibit, Maxwell Museum, University of New Mexico, September 2006.
- *"Acequias* in Practice and Spirit: a Sustainable Eco-cultural Legacy." Exhibit guide. Acequias Exhibit, El Rancho de las Golondrinas. June 1, 2006 – 2008.

Museum curatorial:

- "EL RÍO." Smithsonian Center for Folklife and Cultural Heritage. UNM Maxwell Museum, April 2006-January 2007. (Guest Curator).
- "El Camino Real de Tierra Adentro." New Mexico State Monuments. Socorro, New Mexico. (Guest Curator), continuing program.
- *"Nuevo México, ¿hasta cuándo"* - On tour of community museums of New Mexico with TREX, Traveling Exhibits Service of the Museum of New Mexico. Venues: Branigan Cultural Center, Las Cruces. June-September, 2006.

Kimberle López

Anthology in progress:

- *Carnal Fantasies: Cannibalism in Latin American Culture*, critical anthology to be co-edited with Leila M. Lehnen for a university press.
- Introduction to *Carnal Fantasies: Cannibalism in Latin American Culture*, to be co-written with Leila M. Lehnen.

Articles submitted:

- "Governing Juana: Madness and the Manipulation of Power in Three Spanish American Plays on Juana la Loca," with Angela Marino Segura, submitted to *Latin American Theater Review.*
- "Revisiting *La locura de amor*," with Angela Marino Segura, submitted to *Estreno: Cuadernos del Teatro Español Contemporáneo.*

Articles in-progress:

- "Consumer Cannibalism and Commodity Fetishism in Augusto Monterroso's *Mr. Taylor*," for anthology *Carnal Fantasies: Cannibalism in Latin American Culture*, ed. Kimberle S. López and Leila M. Lehnen.
- "The Cooked and the Raw: Cannibalism and Slavery in *Terra Papagalli* (1997)," co-written with Leila Lehnen to be submitted to *Luso-Brazilian Review.*

- "An Argentine in Paris: Exile and Diaspora in Alicia Dujovne Ortiz's *El árbol de la gitana*."
- "The Poetics of Space in Alicia Dujovne Ortiz's *El árbol de la gitana* and *Las perlas rojas*."

Miguel López

Book forthcoming:
- *Utopian Dreams, Apocalyptic Nightmares: Rewriting Mexican History in the Times of NAFTA* (Purdue University Press, 2008)

Grants:
Secured two grants to fund travel to Mexico City to conduct research on the women's movements in the 1920's.
- Susan Geiger Research Grant, Feminist Research Institute, $800.00. Summer 2006.
- Latin American and Iberian Institute, Field Research Grant, $1,200.00. Summer, 2006.

Margo Milleret

Grant:
"Evaluation of Portuguese Program" Grant from Dean of Arts and Sciences to Milleret, McKnight, and Gonzales for $7,000.00. Completed report of Portuguese evaluation turned in July 18, 2006. "Foreign Language Program Evaluation Project." Portuguese program is one of five case studies in this nationally funded project. Team members are Margo Milleret, Leila Lehnen, and J. Clancy Clements. Principle Investigator is John Norris of the University of Hawaii. Participation in Association of Departments of Foreign Languages panel in Honolulu, Hawaii in June of 2007.

Eleuterio Santiago-Díaz

Book forthcoming:
Escritura afropuertorriqueña y modernidad from Pittsburgh: Instituto Internacional de Literatura Iberoamericana, 269 pgs.

H. Activities in Learned and Professional Societies

Alejandra Balestra
- Board member of Recovering the U.S. Hispanic Literary Heritage Project, 2002-present.
- Member of Southwest Hispanic Research Institute, 2003-present.
- Advisory Committee, *Revista iberoamericana de lingüistica*, Universitas Castellae, Alcalá, España.

Anthony J. Cárdenas
- Organizer of two sessions *Teresa de Cartagena, I & II* for the *42ND International Congress on Medieval Studies*. Western Michigan University. May 2007. Kalamazoo.
- Elected member of the Modern Language Association Division of Medieval Spanish Language and Literature. Member of the John K.Walsh Award Committee.

J. Clancy Clements

- Elected Executive Committee Member of the Society for Pidgin and Creole Languages, on going since 2005.
- Invited Editorial Board Member of *Journal of the Association of Spanish- and Portuguese-based Pidgins and Creoles*, since 2006.
- Invited Editorial Advisor for *Journal of Pidgin and Creole Languages*, since 2005.
- Reader of refereed journal article for *Journal of Pidgin and Creole Language*, 2006.

María Dolores Gonzales

- Organizer of *Politics of Language Cross Disciplinary Symposium and Workshops: the Invisible Majority of the Southwest, Learners of Spanish as a Heritage Language* Department of Spanish and Portuguese, University of New Mexico, October 19-21, 2007. Albuquerque.
- Co-Organizer of the Southwest Spanish Heritage Language Consortium

Enrique Lamadrid

- Member of the American Folklore Society Chicano Latino Caucus
- Member of the Advisory Board, Smithsonian Center for Folklife and Cultural Heritage - three year congressional appointment 2002-2005, renewed.
- Member of the National Advisory Board for the Alfonso Ortiz Center, UNM.
- Reader for *Multi Ethnic Literatures of the United States.*
- Reader for University of New Mexico Press: Gene Guerin's novel *The Song of Jonah: A Fable of New Mexico.*

Leila Lehnen

- Member of the Editorial Board *Revista de Letras da Universidade Estadual de Montes Claros*, Minas Gerais (Brazil). Spring 2007.
- Reviewer for *Chasqui.* Spring 2007.
- Reviewer for *Letras femeninas.* Fall 2006.

Kimberle López

- Evaluated 100 Fulbright Graduate Applications from Brazil, Chile and Argentina, for the Fulbright Screening Committee, Institute of International Education. December 6, 2006, San Francisco, California.
- Grader, Spanish Advanced Placement Exams, San Antonio, Texas, June 2-10, 2007
- Reviewed *Spanish and Spanish American Literature* textbook project for Yale University Press, January, 2007.

Miguel López

- Organized panel of students from the Department of Spanish and Portuguese for *The 54TH Annual Conference of the Rocky Mountain Council for Latin American Studies,* January 24-27, 2007. Santa Fe, New Mexico.
- Reader for *Arizona Journal of Cultural Studies.*

Judy Maloof

Reader for *Letras Femeninas.*

Kathryn McKnight

- Chair, Executive Committee, Division on Latin American Colonial Literatures, Modern Language Association. Organized and chaired session on "Interdiciplinary Dialogues and Methods in Colonial Latin American Studies," at the *112ND Convention of the Modern Language Association*, December 27-30, 2006. Philadelphia, Pennsylvania.
- Reader of book project for Yale University Press.

Margo Milleret

- Member of Editorial Board of *Latin American Theatre Review* board member since 1996.
- Member of Executive Board of American Portuguese Studies Association 2005-2007. Elected secretary for service January 2007 through 2009.

Tey Diana Rebolledo

- Member of Editorial board of *Latino Studies*.
- Member of Editorial Board of *New Mexico Historical Review*.
- Member of the Southwest Spanish Heritage Language Consortium.

Rena Torres Cacoullos

- Member of the Editorial Board, *Language Variation and Change* (Cambridge University Press).
- Refereed abstracts for the 2006 Hispanic Linguistics Symposium (HLS).
- Refereed abstracts for the American Association for Applied Linguistics (AAAL), 2007.
- Refereed submission for 2007 Annual Conference of the Spanish Association of Applied Linguistics' proceedings, February, 2007.
- Read article "Grammaticalization in creoles: ordinary and no-so-ordinary cases" for *Studies in Language*, January, 2007.
- Read article "Linguistic leveling in Spanish: the Analogical Strong Preterites" for *Canadian Journal of Linguistics*, March, 2007.
- Read article "Non-past Concessive Sentences in Mexican Spanish and the Role of Position in Mood Alternation" for *Studies in Hispanic and Lusophone Linguistics*, April, 2007.
- Read book manuscript, *Varieties of Spanish in the United States*, for Georgetown University Press, March, 2007.

Catherine Travis

- Reader of book chapter, "Apuntes preliminares sobre el contacto lingüístico y dialectal en el uso pronominal del español en Nueva Cork" for Kim Potowski and Richard Cameron, (eds) book *Spanish in contact: Policy, social and linguistic inquiries.* John Benjamins: Amsterdam / Philadelphia; Fall 2006.
- Reader of article "*ONE* in Singapore English" for *Studies in Language*, Spring 2007.

I. Other Professional Activities (exhibits, off campus talks, etc)

Alejandra Balestra
"Español en el Sudoeste de los Estados Unidos: una perspectiva histórica."
Talk presented at Texas A& M, May 8, 2007. College Station.

Anthony J. Cárdenas
Presented "Time before the Stones" at *the Albuquerque Academy Medieval Festival.* November 20, 2006.

María Dolores Gonzales
- Panelist for the Hispanic Council Career Day, November 2, 2006, at the Albuquerque Academy.
- Organized a meeting on Spanish as a Heritage Language program development, provided information on SHL Placement Evaluation to Highland High School Spanish Teachers on September 13, 2006.

Enrique Lamadrid
- Presented workshop to Albuquerque Teachers Institute UNM/Yale, "Spirit of the Río Grande Río Bravo: Environment, Traditional Culture, and Bioregionalism" Summer 2006.
- Continued Coordination of the New Mexico Endowment for the Humanities Speaker's Bureau Chautauqua and Lecture Series.
- Member of the New Mexico Acequia Association, United Nations Educational Scientific and Cultural Organizations Committee.

Miguel López
- Recruitment talk given at Laney College, "Studying at the University of New Mexico," Oakland California. December 6, 2006.
- Recruitment talk given at U.C. Berkeley, "Studying at the University of New Mexico," December 7, 2006.
- Profound Undergraduate Symposium-Judge, symposium for undergraduate works, October, 2006, Student Union Building.

Margo Milleret
Orientation Coordinator for the American Field Service Intercultural Programs.

Tey Diana Rebolledo
Presented "The Book Within You" to the Association of University Women.
Fall 2006, University of New Mexico, Albuquerque,

J. Non-teaching University, College, and Department Service

Alejandra Balestra
- Coordinator of the Spanish as a Second Language Program.
- Director of CAMINITO Study Abroad in Buenos Aires, May 16-June 15, 2007.

39 undergraduate students from the University of New Mexico (agreement between UNM and Universidad de Palermo).
- Reader of Patricia Gubitosi's completed PhD dissertation, University of Houston, Fall 2006.
- Director of Cindy Arias' independent study course, Summer 2007.

Anthony J. Cárdenas
- Spanish Undergraduate Advisor, Fall 2006, Spring 2007.
- Chair of Nenna Arnold's BA Honors Teaching, Fall 2006.
- Chair of Melina Leodas' BA Honors Teaching, Fall 2006.
- Director of España Literaria Study Abroad program to Spain, May 15–30, 2007 (23 students).
- Reader of David García's completed MA thesis, "Moros y Cristianos: Intangible Cultural Exchange Along the Camino Real" Spring 2007.
- Member of Sara Vicuña Guengerich's completed PhD comprehensive exam committee, September 2006.
- Director of Bernardino Bañuelos' independent study course, Fall 2006.
- Tenure and promotion consultant for Jonathan Burgoyne, Penn State University.
- Tenure and promotion consultant for C. Helen Tarp, Idaho State University.

J. Clancy Clements
- Chair, Department of Spanish and Portuguese.
- Chair of Department's self study/ten year review Fall 2006 and Spring 2007.
- Director of graduate student Sonia Balasch's independent study course, Summer 2007.
- Director of undergraduate student Hilary Bethancourt's independent study course, Fall 2006.

María Dolores Gonzales
- Sabine Ulibarrí Spanish as a Heritage Language Program Coordinator.
- Director of Study Abroad "Language, Identity and Indigenous Cultures" to Cuernavaca, Mexico, May 19-28, 2007. Spanish as a Heritage Language students.
- Reader of Jaime Chávez's completed PhD dissertation, Communication and Journalism, November 27, 2007.
- Member of Melissa Curtain's completed PhD comprehensive exam committee, Communication and Journalism, November 2, 2006.
- Director of Evelyn Durán's independent study course "Bilingüismo y Emociones," Spanish of the Southwest, Fall 2006.

Enrique Lamadrid
- Chair of David García's completed MA thesis, "Moros y Cristianos: Intangible Cultural Exchange Along the Camino Real" Spring 2007.
- Director of Chicano, Hispano, Mexicano Studies.

Leila Lehnen
Chair of Wanessa Veloso Batista's completed MA thesis, Portuguese, "Nas malhas do moderno e pós-moderno: Considerações teóricas em El delirio de Turing, de José Edmundo Paz-Soldán, e Assombros urbanos, de Dionísio Jacob," Summer 2006.

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Kimberle López

- Conducted workshop "Overcoming Obstacles to Dissertation Writing" UNM Feminist Research Institute, November 8, 2006.
- Reader of José Bañuelos' PhD dissertation, "Cuatro poetas de la alienación: Voces de la derrota, voces de la esperanza," Summer 2006.
- Reader of Wanessa Velloso Batista's completed MA thesis in Portuguese, "Nas malhas do moderno e pós-moderno: Considerações teóricas em El delirio de Turing, de José Edmundo Paz-Soldán, e Assombros urbanos, de Dionísio Jacob," Summer 2006.
- Chair of Héctor Contreras-López's PhD exam committee, Spring 2007.
- Member of Jeremy Lehnen's PhD exam committee, Latin American Studies, Spring 2007.
- Director of Héctor Contreras' independent study courses for Summer 2006 and Fall 2006.

Miguel López

- Reader of Spencer Herrera's completed PhD dissertation, "Pochoroman: The Birth of the Chicano/a Writer," Spring 2007.
- Chair of Erin Amason Montero's completed PhD comprehensive exam committee, Fall 2006.
- Chair of Jeremy Lehnen's completed PhD comprehensive exam committee, Latin American Studies, Spring 2007.
- Member of Alena Johnson's completed PhD comprehensive exam committee, Fall 2006.
- Member of Héctor Contreras López's completed PhD comprehensive exam committee, Spring 2007.
- Study abroad program director for Conexiones trip to Morelia, Mexico, Summer 2006.
- Tenure consultant for Angelica Lozano Alonso, Furman University.
- Conducted workshop for Graduate Student Association "How to Study for M.A. Exams and Apply to Graduate School." November 9, 2006.

Judy Maloof

- Reader of José Bañuelos PhD dissertation, "Cuatro poetas de la alienación: Elvio Romero, Cristina Peri Rossi, Juan Gelman y Majorie Agosín." Summer 2006.
- Director of Rick Bustos' independent study course, "Los penitentes de Nuevo Mexico" Summer 2006.
- Director of Oscar Cera's independent study course, "Narrativa centroamericana," Fall 2006.
- Member of Erin Amason Montero's completed PhD comprehensive exam committee, Fall 2006.

Kathryn McKnight

- Member of the Colonial Studies Working Group (other members are from the departments of Art History, History, University Honors, and the Spanish Colonial Research Center). Participated in organization of and chaired a session for the Symposium on Interdisciplinary Methods in Colonial Studies in the Americas: Exchanges over Space and Time, March 23-24, 2007, Ortega Hall Reading Room and Lounge.

- Chair of Sara Guengerich's completed PhD comprehensive exam committee, September 5, 2006.
- Chair of Alena Johnson's completed PhD comprehensive exam committee, December 11, 2006.

Margo Milleret
- Associate Chair, Department of Spanish and Portuguese.
- Portuguese Program Coordinator.
- Portuguese Undergraduate Advisor.
- Faculty Advisor for the Brazil Club, Fall 2005 - Spring 2007.
- Director of Ty Pankretz's independent study course, Spring 2007.
- Director of Bruce Chavez's independent study course, Spring 2007.
- Director of Jeremy Lehnen's independent study course, Latin American Studies, Spring 2007.

Tey Diana Rebolledo
- Chair of José Bañuelos' completed PhD dissertation "Cuatro poetas de la alienación: Elvio Romero, Cristina Peri Rossi, Juan Gelman y Majorie Agosín," Summer 2006.
- Chair of Spencer Herrera's completed PhD dissertation, "Pochoroman: The Birth of the Chicano/a Writer," Spring 2007.
- Member of Seth Doyle's completed MA comprehensive exam committee. Latin American and Iberian Institute, Spring 2007.
- Director of Vanessa Fonseca's independent study course, Spring 2006.
- Director of Lorena Galvan Valenzuela's's independent study course, Spring 2006.
- Director of Seth Doyle independent study course, Spring 2006.
- Consultant for Tufts University, Tenure and Promotion.
- Consultant for MacAlister College, Tenure and Promotion.
- Consultant for United States Naval Academy, Promotion.
- Consultant for University of California, Santa Barbara, Promotion.

Eleuterio Santiago-Díaz
- Reader of Erin Zavitz's completed MA thesis, "Portable Sites of Haitian Memory: Edwidge Danticat's *The Farming of Bones* and Marie Vieux Chauvet's *Amour, Colere, et Folie*," Comparative Literature and Cultural Studies, December 2006.
- Member of Erin Amason Montero's completed PhD comprehensive exam committee, Fall 2006.
- Director of José A. Ríos' independent study course, Fall 2006.

Rena Torres Cacoullos
- Read the dossier and wrote tenure review letter on behalf of Manuel Díaz Campos for the Department of Spanish and Portuguese, Indiana University.
- Chair of Jens Clegg completed PhD dissertation *Lone English-origin nouns in the Spanish of New Mexico: A variationist analysis of phonological and morphological adaptation*, October, 2006.
- Chair of Jessi Elana Aaron completed PhD dissertation *Variation and change in Spanish future temporal expression,* November, 2006.

Catherine Travis

- Coordinator of Spanish and Portuguese Linguistics Program.
- Reader of Jens Clegg's completed PhD dissertation, Fall 2006.
- Reader of Katie Piery's completed MA thesis, Linguistics, Spring 2007.
- Chair of Agripino Silveira's completed PhD comprehensive exam committee, Linguistics, Spring 2007.
- Member of Manuel Burgcs' completed MA comprehensive exam committee, LAII, Fall 2006.
- Member of Amy Wallner-Drake's completed MA comprehensive exam committee, LAII, Fall 2006.
- Member of Susan Buescher's completed MA comprehensive exam committee, Linguistics, Spring 2007.
- Director of Jessica Cano's independent study course, Fall 2006.
- Director of Doris Careaga-Coleman's independent study course, Fall 2006.
- Chair of Amy Cook's BA honors thesis, "Address Pronouns in Spanish and Russian" Foreign Languages and Literatures, Spring 2007

K. 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-five teaching assistants, twenty of whom are Hispanic-Americans, three are African-American, and twelve are Hispanic individuals from such diverse places as Brazil, Bolivia, Spain, Puerto Rico, Cuba, Colombia, Venezuela, Uruguay and Mexico. Our three Portuguese teaching assistants are all from Brazil. Women accounted for 63 percent of the total, of which twenty-one are Hispanic. A total of four lecturers taught on a part-time basis, three of them are women, and two of the total number are Hispanic. The work study team was composed of three students, two of whom are Hispanic women.

Annual Report
Department of Speech and Hearing Sciences
July 1, 2006 – June 30, 2007

Submitted by
Philip S. Dale, Professor and Chair
Department of Speech and Hearing Sciences

I. Significant Developments

A. Accreditation

The department's third annual report, covering the period April 1, 2006 – March 31, 2007, 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

The following chart summarizes the total number of sessions and the populations served (number of individuals) by the clinic for AY 2006-2007 (FS, SS, Summer).

	Age		Ethnicity					
Total Sessions	Child	Adult	White	Hispanic	Black	Native American	Asian	Not reported
2214	140	81	127	65	4	4	21	0

In addition to individual treatment for a wide range of speech and language disorders, the clinic provided group sessions for adults with aphasia, children with language delay, children with autism spectrum disorders, and transgender voice clients. (These sessions are included in the figures above.) Through our contract with the Albuquerque Public Schools, preschool children identified in the APS "Child Find" program were also seen for treatment in our clinic. The clinic also provided diagnostic and treatment sessions for clients wishing to modify their English pronunciation. Many of these clients are UNM graduate assistants whose first language is not English.

A fund, established by a gift from Charlotte and Keith Lough, assists clients who cannot afford the established Clinic fees for speech-language pathology services.

C. Acquisition of Equipment and Major Materials

The department requested, and received, $9860 as part of the College of Arts & Sciences Equipment Allocation. These funds were used for two major purposes. We have one large room which is multipurpose; it is used for classes, therapy groups, special purpose training, and as an auxiliary computer lab for students. We acquired an A/V presentation system for this room, including a computer, LCD projector, speakers, and an equipment cart. We also acquired two speech-language technology training stations for clinical diagnosis and intervention. Our goal has been to bridge the gap between advanced speech science training and clinical practice, and these systems are specifically dedicated to clinical use. We have acquired two computers, a

nasometer, advanced speech and language analysis software, printers, and various peripherals. These systems are already being put to considerable use.

D. Comunidad Crecer

For the 18th year, 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 this year included 5 speech-language pathology graduate students, 3 occupational therapy graduate students, and 3 supervisors. The team was in Mexico for 7 days and evaluated or re-evaluated 32 students at the school, provided inservices on a variety of topics for parents and CC staff, and held parent conferences with results and recommendations from the evaluations. During times that the team members were not working with the children, they were taken to museums, the pyramids of the sun and moon, a performance of the Folkloria ballet, the floating gardens, and other cultural sites. The project was superbly coordinated this year, as for the past 7 years, by Clinic Director, Charlotte Lough. Ms. Lough will be retiring this year, and a new director is currently being determined.

F. Southwest Conference on Communicative Disorders

The 16th Southwest Conference, co-sponsored by the local NSSLHA chapter and the Speech and Hearing Sciences Department, was held at the Wyndham Hotel on March 22-23, 2007. It was attended by approximately 180 speech-language pathologists, audiologists, and students. Presenters included out-of-state speakers and local presented, and there were a number of exhibitors presenting.

Although the conference, like its predecessors, was well-received, the department has decided to terminate the series, due to declining attendance and a growing financial loss. There is already an annual continuing education conference in Albuquerque, the New Mexico Speech and Hearing Association meeting each fall. We do think there is a real need for (a) activities to keep us connected with our alumni, and (b) smaller-scale continuing education activities that do not involve the administrative and hotel costs of a full-scale conference, such as half-day Saturday morning workshops on single topics.

G. End of Contract with Albuquerque Public Schools

For a number of years, the Department of Speech & Hearing Sciences has been able to maintain a larger graduate program training speech-language pathologists (SLPs) than otherwise possible, thanks to the support of the Albuquerque Public Schools. APS has done this because it is the largest employer of SLPs in the state, and the largest employer of our graduates, typically hiring 40-50% of them. Their support has been designed to increase the number of SLPs trained, and to increase the likelihood that individual graduates would chose APS for their initial position.

APS support takes two forms. First, they assign three of their SLPs to work as clinical supervisors for our program. Students spend their first few semesters working both in our on-campus clinic and in the schools. Although students are physically working in school settings during this period, they are beginning clinicians and receive the kind of intensive observation and supervision they would receive on-campus. These APS supervisors do not appear on our budget, but are equivalent to at least $100K in UNM funds. Second, APS provides an annual contract budget of about $68K. The core elements are

(a) a little over a quarter of the support for two UNM clinical faculty

(b) a GA for clinical record keeping, a complex and essential function

(c) stipends for students doing their internship at APS. The internship is a final-semester placement for students, and very often a bridge to a regular position after graduation
(d) some additional money for travel and professional development, copying, etc.
The total value of APS support can be estimated as approximately $170K/year.

For a number of reasons, primarily fiscal constraint, APS terminated this contract at the end of the 2006-2007 year. This would necessitate reducing the size of our graduate program by 35-40%. There is, however, a very severe shortage of SLPs in New Mexico. The previous Dean was able to provide one-time support of approximately $61K as transitional funding. With these funds, and some juggling of clinic schedules, we were able to hold the reduction in size for this year to approximately 20%. We have also, together with our counterparts at NMSU, pushed for a legislative initiative to address the state-wide shortage of SLPs. This initiative has been approved by the Regents of both universities, and we are hoping for some success in the 2008 legislative session.

II. Significant Plans and Recommendations

- Our clinic director, Charlotte Lough, will be retiring in 2008. We are currently in the recruiting phase for a new director. This is an extremely important position for our graduate training program, probably the most important one.
- We are continuing to search for a .50 FTE Lecturer in Audiology, to teach two courses and supervise practicum experiences. We hope this will improve the coherence and consistency of the audiology portion of the curriculum.
- As noted last year, a high priority for the new chair is mentoring junior faculty, as 4 of the 6 doctoral faculty are assistant professors. Two of them are in their tenure and promotion review year at present.
- The loss of the APS contract, as explained above, presents what is potentially the largest challenge to the department. We are grateful for the College support, but the long-term future of the department will require additional, continuing state funding.

III. Appointments to Faculty and Staff

There were no additions to the faculty, although a search is in progress, as described above. See next item for staff changes.

IV. Separations of Faculty and Staff

There were no separations of faculty. Chris Vining, a clinical supervisor, left her position at the end of May to work on her doctoral dissertation. She has been replaced by Elizabeth Meek.

Our Departmental Administrator, Trevor Bilmes, left the department in October to join the Dean's Office staff. After a search, he was replaced by Diana Gourlay, who had been Student Services Coordinator in the department. She, in turn, was replaced by Maria Pearson, an Administrative Assistant II.

V. Faculty Achievements

A. Publications

Binger, Cathy

Binger, C., & Light, J. (in press). The morphology and syntax of individuals who use AAC: Research review and implications for effective practice. *Augmentative and Alternative Communication.*

Binger, C. & Light, J. (2007). The effect of aided AAC modeling on the expression of multi-symbol messages by preschoolers who use AAC. *Augmentative and Alternative Communication, 23,* 30-43.

Binger, C. & Light, J. (2006). Demographics of preschoolers who require AAC. *Language, Speech, and Hearing Services in Schools, 37,* 200-208.

Binger, C. (2007). AAC intervention for children with suspected childhood apraxia of speech. *Perspectives on Augmentative and Alternative Communication.*

Blackstone, S. & **Binger, C.** (2006). Learning to model aided AAC. *Augmentative Communication News, 18 (3),* 12.

Dale, Philip

Hayiou-Thomas, M. E., Harlaar, N., Dale, Philip S., & Plomin, R. (2006). Genetic and environmental mediation of the prediction from preschool language and non-verbal ability to 7-year reading. *Journal of Research in Reading, 29,* 50-74.

Hayiou-Thomas, Marianna E., Kovas, Yulia,, Harlaar, Nicole, Bishop, Dorothy V. M., Dale, Philip S., & Plomin, Robert. (2006). Common aetiology for diverse language skills in 4½ year old twins. *Journal of Child Language, 33,* 339-368.

Jenkins, Joseph R., Dale, Philip S., Mills, Paulette E., Cole, Kevin N., Pious, Constance, & Ronk, Joan. (2006). How special education preschool graduates finish: Status at 19 years of age. *American Educational Research Journal, 43,* 737-781.

Oliver, Bonamy R., Dale, Philip S., & Plomin, R. (2007). Writing and reading skills as assessed by teachers in seven-year olds: a behavioral genetic approach. *Cognitive Development, 22,* 77-95.

Harlaar, Nicole, Dale, Philip S., & Plomin, R. (2007). From learning to read to reading to learn: Substantial and stable genetic influence. *Child Development, 78,* 116-131

Kovas, Y., Haworth, C. M. A., Harlaar, N., Petrill S. A., & Plomin, R. (2007). Overlap and specificity of genetic and environmental influences on mathematics and reading disability in 10-year-old twins. *Journal of Child Psychiatry and Psychology, 48,* 914-922.

Haworth, Claire M. A., Harlaar, Nicole, Kovas, Yulia, Davis, Oliver S. P., Oliver, Bonamy R., Hayiou-Thomas, Marianna E., Frances, Jane, Busfield, Patricia, McMillan, Andrew, Dale, Philip S., & Plomin, Robert. (2007). Internet cognitive testing of large samples needed in genetic research. *Twin Research and Human Genetics, 10,* 554-563.

Haworth, Claire M. A., Dale, Philip S. & Plomin, R. (In press). A twin study into the genetic and environmental influences on academic performance in science in 9-year-old boys and girls. *International Journal of Science Education*, 1-23.

Kovas, Yulia, Haworth, Claire M. A., Dale, Philip S., & Plomin, Robert. (In press). The genetic and environmental origins of learning abilities and disabilities in the early school years. *Monographs of the Society for Research in Child Development.*

Neel, Amy

Neel, A.T., Palmer, P.M., Sprouls, G., and Morrison, L. (2006). Tongue strength and speech intelligibility in oculopharyngeal muscular dystrophy. *Journal of Medical Speech-Language Pathology*, 14, 273 – 277.

Kewley-Port, D. and Neel, A.T. (2006). Perception of dynamic properties of speech: Peripheral and central processes. In S. Greenberg and W. Ainsworth (Eds.) *Listening to Speech: An Auditory Perspective* (pp. 49 – 61). Mahwah, N.J.: Lawrence Erlbaum Associates.

Palmer, P.M., & Neel, A.T. (2006). Oculopharyngeal muscular dystrophy. *Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders*, 16, 17 – 21.

Palmer, Phyllis

Neel, A.T., Palmer, P.M., Sprouls, G., and Morrison, L. (2006). Tongue strength and speech intelligibility in oculopharyngeal muscular dystrophy. *Journal of Medical Speech-Language Pathology*, 14, 273 – 277.

Palmer, P.M., & Neel, A.T. (2006). Oculopharyngeal muscular dystrophy. *Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders*, 16, 17 – 21.

Rodriguez, Barbara

Hammer Scheffner, C., Rodríguez, B.L., Lawrence, F. R., & Miccio, A.W. (2007). Puerto Rican mothers' child rearing and educational beliefs and home literacy practices. *Language, Speech, Hearing, Services in the Schools, 38,* 1-9.

Miccio, A.W., Hammer Scheffner, C., & Rodriguez, B. L. (in press). Issues in code-switching: Preschoolers learning two languages. In B. Bullock & A. J. Toribio (Eds.). *The handbook of code-switching.* Cambridge University Press.

B. Conference Presentations

Binger, Cathy

Binger, C., & Kent-Walsh, J. (2007, January). *Using cueing hierarchies to teach communication skills to children who use AAC.* Poster session presented at the 8th Annual Conference of the ASHA Division on AAC, Atlanta, GA.

Binger, C. (2007, January). *Supporting the early expressive language development of children who use AAC.* Invited presentation at the Albuquerque Public School District Assistive Technology Institute, Albuquerque, NM. (Invited)

Binger, C. (2006, October). *Supporting the early expressive language development of children who use AAC.* Invited presentation at the 44th Annual Convention of the New Mexico Speech-Language & Hearing Association, Albuquerque, NM. (Invited)

Binger, C., & Kent-Walsh, J., Del Campo, S., Hickman, S., Marquez, C., & Rivera, D. (2006, November). *Teaching educators and parents to support language development in AAC.* Paper presented at the annual conference of the American Speech-Language-Hearing Association, Miami, FL.

Goldstein, H., Minghetti, N., Davis, J., Noffsinger, D., Wilson, M., Sanchez, J.T., Binger, C., Munson, B., & Schuele, C.M. (2006, November). *Foundations for career development: Secrets of success.* Paper presented at the annual conference of the American Speech-Language-Hearing Association, Miami, FL.

Kent-Walsh, J., Binger, C., McLeod, H., Stapleton, C., & Smith, E. (2006, November). *Simulated AAC intervention: Pilot investigation targeting comprehension of locative concepts.* Poster presented at the annual conference of the American Speech-Language-Hearing Association, Miami, FL.

Blaker, Kate

Blaker, K., & LeCesne, T. (2006, September). Moving toward social accountability in student-centered education: A three-year history of implementing a student-centered, community based project in rural New Mexico. The Network: Towards Unity for Health conference, Ghent, Belgium.

Dale, Philip

Dale, Philip S. (March, 2007). A psycholinguist stumbles into behavioral genetics. Language and Genes Working Group, Santa Fe Institute, Santa Fe, New Mexico.

Dale, Philip S. (April, 2007). Outcomes of early language delay: Phenotypic, quantitative genetic, and molecular genetic perspectives. Program in Communication Disorders, New Mexico State University, Las Cruces.

Arden, Rosalind, & Dale, Philip S. (June, 2007). Changes in cognitive ability between 4 and 10 years. Behavior Genetics Association, Amsterdam, Netherlands.

Haworth, Claire M. A., Dale, Philip S., & Plomin, Robert. (June, 2007). The etiology of school science performance. Behavior Genetics Association, Amsterdam, Netherlands.

Neel, Amy

Neel, A.T. & Andruski, J.E. (2007). Vowel identification and vowel space characteristics. *Journal of the Acoustical Society of America, 121*, 3187.

Neel, A.T. and Beveridge, A.C. (2006, November). Identification of loud- and habitual-level vowels in Parkinson disease. Poster presented at the American Speech-Language-Hearing Convention, Miami, FL.

Rodriguez, Barbara

Miccio, A.W., Hammer, C., Lopez, L., & Rodríguez, B. (2007, April). Assessing bilingual phonological development in young children. Poster symposium presentation at the 2007 American Educational Research Association (AERA) meeting, Chicago, Illinois.

Miccio, A.W., Hammer, C., Lopez, L., & Rodríguez, B. (2007, March). Assessing bilingual phonological development in young children. Poster symposium presentation at the 2007 Biennial Meeting of the Society for Research in Child Development, Boston, Massachusetts.

Rodríguez, B., & Hammer, C. (2006, November). Education and parenting: Mexican-American and Puerto Rican mothers' beliefs and values. Poster session presented at the American Speech-Language-Hearing Association, Annual Convention, Miami, Florida.

Hammer, C., & Rodríguez, B. (2006, November). Cultural considerations on parent involvement: A Hispanic focus. Presentation at the American Speech-Language-Hearing Association, Annual Convention, Miami, Florida.

Rodríguez, B. (2006, October). The home literacy environment: Practices, beliefs, and children's outcomes. Invited presentation at the New Mexico Speech-Language-Hearing Association, Annual Convention, Albuquerque, New Mexico.

C. Outside Professional Service

Binger, Cathy

Consultant for the Wyoming INstitute for Disabilities (WIND). Provided speech-language pathology consulting services for WIND's Assistive Technology Resources (WATR) project, which provides assistive technology loans and services for the entire state of Wyoming (approximately 80 hours in the summer of 2007 and approximately 2 hours per month during the academic year).

Guest reviewer: American Journal of Speech-Language Pathology, 2007
Guest reviewer: Journal of Speech, Language, and Hearing Research, 2006
Guest reviewer: Language, Speech, and Hearing Services in Schools 2006

Dale, Philip

Editor, *Journal of Child Language*

Neel, Amy

Editorial Consultant for *Journal of the Acoustical Society of America*

Editorial Consultant for *Journal of Speech, Language, and Hearing Research*

Allyn & Bacon Publishing (2007) Reviewer for proposed textbook, *Anatomy of Human Communication and Its Disorders.*

Wolsters-Kluwer Publishing (2006) Reviewer for proposed revisions to *Stuttering: An Integrated Approach to Its Nature and Treatment, 3rd Edition*

Thieme New York Publishing (2006) Reviewer for proposed textbook, *Anatomy and Physiology for Speech, Language, and Hearing*

Allyn & Bacon Publishing (2006) Reviewer for proposed revisions to *Fundamentals of Sound with Applications to Speech and Hearing* and for a proposed book, *The Small Book of Hearing Science*

Patterson, Janet

Reviewer for *Language, Speech and Hearing Services in Schools*

Reviewer for *Journal of Speech, Language, and Hearing Research*

Reviewer for City University of New York internal grant proposal

Rodriguez, Barbara

Reviewer, *Perspectives on Communication Sciences and Disorders in Culturally and Linguistically Diverse Populations*, Division 14, American Speech-Language Hearing Association

Reviewer, *Language Speech and Hearing Services in the Schools, American Journal of Speech Language Pathology, Journal of Speech-Language Hearing Research*

Guest Associate Editor, *American Journal of Speech Language Pathology*

Convention Review Committee Member, American Speech-Language Hearing Association Program Convention Committee, Multicultural Issues

Grant Reviewer, Head Start University Partnership, FY 2007-08, English-Language Learners

VI. Outside Sponsored Research

Binger, Cathy

The Effects of a Grammar Intervention Program for Children who require AAC. American Speech-Language-Hearing Foundation Research Grant Competition for New Investigators, November 2006-November 2007, $10,000.

Rodriguez, Barbara

Assessing Bilingual Phonological Development in Young Children
Lead Investigator: Barbara L. Rodríguez, Ph.D.
Principal Investigator: Adele W. Miccio, Ph.D.
NIH/Child Development and Behavior Branch
Consortium with The Pennsylvania State University

The total department course enrollment for 2006-2007 was slightly below the previous year. Fall 2006 and Spring 2007 included a total of 1766 undergraduate SCH and 1004 graduate SCH. In Summer 2007, there were 279 graduate SCH.

10/2005 to 6/2010, $484,044

Purpose of grant:
"Assessing Bilingual Phonological Development in Young Children," is a 5-year project funded by the National Institutes of Health/Child Development and Behavior Branch. The project is a collaborative effort among a consortium of investigators, including Dr. Adele Miccio (Principal Investigator) and Dr. Carol Hammer (Co-Principal Investigator) of The Pennsylvania State University; Dr. Lisa López (Investigator) of the University of South Florida; and Dr. Barbara Rodríguez (Investigator) of the University of New Mexico.
The purpose of the research is to develop a valid and reliable measure (BiPA-Bilingual Phonological Assessment) to be used by speech-language pathologists to identify phonological disorder in bilingual children and distinguish disorder from phonological variation due to typical bilingual phonological development.

VII. Students

A. Graduates

From Fall, 2006, through Summer, 2007, 25 master's students received their degrees. Of those reporting their prospective plans, the following sites of employment were represented:

New Mexico public schools	42 %
New Mexico health care facilities	17%
New Mexico private practice	41%
Out-of-state employment	0
Further study (doctoral)	0

Thirty-eight students received the Bachelor of Arts degree majoring in Speech & Hearing Sciences.

We also have a substantial 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 in order to apply for graduate programs. There were 23 this past year.

B. Applications to the Graduate Program

There were 70 applications for fall, 2006, entry into the master's program in speech-language pathology. We accepted 33 of those applicants, and 22 enrolled in the program.

C. Enrollment composition

In spring, 2007, 82 undergraduate A&S students majored in Speech & Hearing Sciences, and an additional 22 students in the major were registered in University College. These included 36 Hispanic, 52 White/non-Hispanic, 5 Native American, 4 African-American, 2 Asian, and 5 not reported students.

The master's degree program served 54 enrolled graduate students, including 20 Hispanic, 26 White/non-Hispanic, 2 Asian, 1 African-American, and 4 not reported students.

Name of Division: Women Studies

Period Covered: July 1, 2006-June 30, 2007

Submitted by: Janet Cramer, Director, Women Studies

Significant Developments

- Established annual International Women's Day Conference, March 8, 2007.
- Implemented new undergraduate curriculum which incorporates a core curriculum of 18 hours and an additional nine hours in one specialized cluster (Feminist Theory, Social Science and Women, Women and Literature/Film/Art, Regional/Global, Sexualities). Each of the clusters has a history component. In addition, students take 9 hours of classes in at least two additional clusters. The core curriculum includes a writing and research lab which emphasizes analytical and research methodology skills, senior seminar, a history course, and two hours of field study/service learning (in order to emphasize the activism and experiential focus of the program).
- Implemented new Graduate Certificate program. The Graduate Certificate is designed as an area of specialization for students pursuing a master's degree or doctorate in disciplines in the humanities, social sciences, fine arts or the professional schools, allowing them to complete an educational program that addresses the history and culture of women and the social structures of gender. The 15-hour curriculum is structured so that students will have a coherent set of electives that are anchored with the required core courses (WS 410: Introduction to Feminist Theories and WS 412: Feminist Research Methods). Women Studies students can take two courses in their home departments as electives and one elective outside their home department, provided these courses meet the gender and feminist studies criteria established by the Director and the Executive Board.. At present, nine students are enrolled in the graduate certificate program.
- Implemented communication infrastructure, including newsletter, blog, and listservs for 117 faculty associates, graduate students, and undergraduate students
- Fundraising: Raised $1500 for student scholarship fund; made initial contacts for endowed chair
- Received large grant from International Programs to establish three study abroad programs in Denmark, England/Ireland, and South America

- Hosted Reproductive Justice Fair on campus in collaboration with Women's Resource Center, October 23-25, 2006

- Teaching Awards: Lena McQuade, 2006 CASTL Teaching Assistant Award; Andrea Mays, 2006 CASTL Teaching Assistant Award and 2006 Gunter-Starkey Teaching Award; Patricia Lopategui, 2006 CASTL PTI Teaching Award; Gail Houston, Faculty Acknowledgment Award, University Libraries

- Fellowships: Lena McQuade, UNM Regent's Fellowship; Andrea Mays, UNM Regent's Fellowship; Melina Vizcaino, UNM Regent's Fellowship

Significant plans and recommendations for the future

- Stable faculty base: We will continue to institute the hiring plan approved in Fall 2005 to establish a more stable faculty presence in the program. This hiring plan reallocates part-time instructional monies toward the hiring of tenure-track assistant professors and encourages full-time joint appointments of tenured faculty (e.g., Gail Houston has already requested that half of her tenured line be moved from English to Women Studies).

- Transitioning from program to department status. Currently, Women Studies serves approximately 300 students in Women Studies courses and 1300 students in those sections offered with Women Studies courses in other departments each academic year. Given the increased interest in Women Studies, we will continue to collect baseline data to justify making the Women Studies program an academic department.

- Development and fund-raising. The Women Studies program plans to embark on a major development and fundraising initiative by naming a community Advisory Board and seeking legislative funding for various curriculum initiatives such as the Certificate in Women's Health and Public Policy. "Development" is also understood as a regular practice of faculty development and training and a focus on outcomes assessment.

- Maintaining diversity initiatives and practices by encouraging diversity in the curriculum and in pedagogical styles. The Women Studies program strongly supports the diversity priority of the incoming University administration and urges continued study and attention to issues such as pay equity, equal opportunities for women faculty in hiring, promotion, and awards (such as the Distinguished Professorship), and attention to issues that distinctly affect women faculty, such as the parental leave policy and security/safety provisions.

- International programs. Following up on the grant received from International Programs this year, we will pursue study abroad opportunities for students in Women Studies and affiliated departments.

- Investigate potential for graduate degree-granting program. The Women Studies Executive Board (currently comprised of seven full-time faculty members from various departments who volunteer for three-year terms on the Board) has encouraged the Director to investigate the possibility of adding a graduate degree program to Women Studies. We will continue to monitor the success of the Graduate Certificate Program and collect baseline data to justify further action in this direction.

Appointments to faculty/staff

Janet Cramer, Director, effective August 1, 2007 for three-year term

Amy Brandzel, Assistant Professor, half-time tenure-track appointment (shared with American Studies)

Kathryn Wichelns, Full-time lecturer

Rinita Mazumdar, half-time Lecturer (shared with Philosophy)

Deborah McFarlane, Joint appointment (Political Science)

Linda Hall, Joint appointment (History)

Kirsten Buick, Joint appointment (Art History)

Leigh Johnson, Andrea Lopez, Kelly Sawyer, Pamela Gravagne, Graduate TAs

Lupe Gutierrez, Work Study

Separations of faculty/staff

Gail Houston, Direcctor

Ime Kerlee, postdoctoral teaching fellow

Annette Rodriguez, Emira Ibrahimpasic, Lena McQuade, Andrea Mays; Graduate TAs

Rachel Decker, Work Study

Publications of the division; publications of individual faculty/staff

Women Studies enjoys the support of at least 117 affiliated faculty with the following publications:

Axelrod, M. J. Gómez de García, and J. Lachler, with S. Burke (Eds.). 2007. *Abáachi Mizaa Ł<u>á</u>o Ilkee' Shijai: Dictionary of Jicarilla Apache*. By W. Phone, M. Olson, and M. Martinez. Albuquerque: University of New Mexico Press.

Cramer, Janet M. (2007). Discourses of sexual morality in Sex and the City and Queer as Folk. The Journal of Popular Culture 40 (3), 409-432.

Hood, Jane. "Teaching against the text: The case of qualitative methods," *Teaching Sociology*, 34, July: 207-223 (2006).

Hood, Jane. "Orthodoxy vs. Power: The Defining Traits of Grounded Theory" Chapter 7 , pp. 302-328 in *Handbook of Grounded Theory* edited by Antony Bryant and Kathy Charmaz (Sage 2007)

Lampela, L. (2007). Including lesbians and gays in art curricula: The art of Jeanne Mammen. *Visual Arts Research, 33* (1), Issue 64, 34-43.

Lampela, L. (2007). Moving from the inside out: Hammonds "Radiant Affection." T*he Journal of Gay and Lesbian Issues in Education, 4*(2), 5-11.

Lampela (2007). "National Women's *Juried* Exhibition," Impact Artists Gallery, Buffalo, NY, March 7 – 31.

Lampela (2007). "Art Education Faculty Exhibition," Masley Art Gallery, University of New Mexico, Albuquerque, January 26 – February 23.

Lampela, L. (2006). Portrait of a lesbian couple. *The Journal of Gay and Lesbian Issues in Education, 3*(4), 7-10.

Lampela (2006). "Small is More," Harwood Art Center, Albuquerque, NM, December 4 – 22.

Lamphere, Louise and Horton, Sarah. (2006). "A Call to an Anthropology of Health Policy." Anthropology News, January 2006.

Lopez, Nancy. 'They are Like a Friend:' Othermothers Creating Empowering School-Based Community Living rooms in Latina and Latino Middle Schools," co-authored with Chalane Lechuga, in Urban Girls: Building Strengths, edited by Bonnie Leadbeater and Niobe Way, second edition, New York University Press, 2006, pp. 97-120.

Lopez, Nancy. "Resistance to Race and Gender Marginalization: Dominican High School Girls in New York City," in Latina Girls:

Strengths & Strategies, Jill Denner and Bianca Guzman, editors, New York University Press, 2006, pp 79-92.

McFarlane, Deborah R. 2006. "Abortion in the Midwest," *The American Midwest.* Indiana University Press.

McFarlane, Deborah R. 2006. "Reproductive Health Policies in President Bush's Second Term: Old Battles and New Fronts in the United States and Internationally," *Journal of Public Health Policy* 27:4 (December).

Tiano, Susan. "The Changing Gender Composition of the Maquiladora Workforce along the U.S.)-Mexico Border," in Doreen Mattingly and Ellen Hansen (eds.)Women and Change at the U.S.-Mexico Border: Mobility, Labor, and Activism. Tucson: University of Arizona Press, 2006, pp. 73-90.

Outside professional activities of staff members

None

Outside sponsored research (include name of sponsor, amount, purpose, of grant, duration)

Affiliated Women Studies faculty have conducted the following sponsored research:

Axelrod, Melissa. Principal Investigator, National Science Foundation, BCS-0505107, *Nambé Tewa Language Revitalization Project: Production of an Electronic Archive*, $203,840. Funding period: 9/1/05 – 9/1/08.

Axelrod, Melissa. Co-Principal Investigator, National Science Foundation, BCS-0504904/5, *Collaborative Research: Multimedia Database of Ixil Mayan Narratives,* $160,000. Principal Investigator: Jule Gómez de García, California State University, San Marcos. Funding period: 7/1/05 – 7/1/08.

Houston, Gail. RAC grant, to do research this summer on her book "Envisioning 19th century British Women's Radical Spirituality."

Lamphere, Louise. (2007). San Raphael, New Mexico, Oral History Project. UNM Research Allocations Committee. $3660.

Lamphere, Louise. 2006-11 Senior Anthropologist. Multi-Method Ethnographic Assessment of Behavioral Health Reform in New Mexico. National Institute of Mental Health Program on "Research on Rural Mental Health and Drug Abuse Disorders." Cathleen Willging, PI. $449,072 (annual direct costs).

Lamphere, Louise. 2004-7 Co-PI. National Endowment for the Humanities Challenge Grant awarded to UNM Alfonso Ortiz Center for Intercultural Studies. $1.38 million.

McFarlane, D. "Population and Reproductive Health Oral History Project:
A Preliminary Analysis,"One year project, $7500, Brush Foundation, Cleveland, Ohio (2006-2007).