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Annual Report of the University, 1980-1981, Volumes 1-5

University of New Mexico

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ANNUAL REPORTS
1980-81

VOLUME I

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(CONTINUED IN 1980-81 VOLUME II)

THE REPORT OF THE DEPARTMENT OF

INTERCOLLEGIATE ATHLETICS

July 1, 1980 -- June 30, 1981

John Bridgers, Director

The Report of the Department of

Intercollegiate Athletics

July 1, 1980-June 30, 1981

John Bridgers, Athletic Director

The year 1980-81 will forever be remembered as the year when athletics at the University of New Mexico began its return to success with integrity.

The end of the year was marked by the state trial of former basketball coach Norm Ellenberger. He was found guilty of 21 counts of fraud and filing false travel vouchers. That trial perhaps marked the end of a long ordeal for the university's athletic department.

Last December the Lobo basketball program was placed on two years probation by the NCAA after an investigation stemming from the Ellenberger era. The Lobos will come off that probation in 1983 in time to remain as the host for the NCAA Finals at the Pit.

With the now infamous Lobogate scandal behind, Athletic Director John Bridgers set about trying to put the pieces back together. Carrying the banner of honesty and integrity, Bridgers methodically continues to mold the kind of athletic program that has made him a success everywhere he's been.

Five coaches hired by Bridgers since his arrival completed their first seasons primarily laying groundwork for the immediate future. Football's Joe Morrison, Basketball's Gary Colson, track coach Del Hessel, tennis coach Mark Hamilton and wrestling coach Bill Dotson all have one year behind them now en route to building programs to their own liking.

Yet another coach will begin his tenure at UNM as this departmental rebirth continues. Bridgers named Bill Spahn of Kansas University to replace Sam Jones as the swimming coach. Spahn led the Jayhawks to a pair of Big Eight Conference championships during a four-year stint at Kansas. He is a former resident of Albuquerque.

Among the year's biggest individual moments in 1980-81 were gymnast Steve Jennings claim to a national championship in the pommel horse competition and golfer Tommy Armour III's fifth-place finish at the NCAA golf championship. Tennis standout Tony Richey represented the school at the NCAA championships in Athens, GA.

Teamwise, the Lobos stunning 25-21 upset of perennial football power Brigham Young has to go down as one of the greatest athletic victories in the history of the university. The victory came in Joe Morrisons's first game at New Mexico and was the only loss for the Cougars in 1980.

Coach Dwaine Knight's golf team came on strong at the NCAA tourney and finished seventh nationally. And Rusty Mitchell once again led the gymnasts to a fine season and he was named as a coach at the National Sports Festival. Kevin Prady of the Lobo team was chosen to compete at that prestigious event.

Once again New Mexico should be well-represented in the pro ranks following this athletic year. Three football players were selected in the professional draft. Quarterback Brad Wright went to the Miami Dolphins, wide receiver Ricky Martin was selected by the Pittsburgh Steelers and linebacker Bob Shupryt was picked by the Chicago Bears.

Basketball star Kenny Page opted to cut his career at New Mexico one year short, registering for the NBA draft and then being picked up by the Cleveland Cavaliers. Page finished his UNM career as the third all-time leading scorer behind Willie Long and Mel Daniels.

The Following is a breakdown of the 12 varsity sports in which men compete at the University of New Mexico:

FOOTBALL: Joe Morrison finished his first season at New Mexico with a 4-7 record. It was a year which began with perhaps the most stunning upset of the college football season when the Lobos knocked off BYU 25-21 at University Stadium in Albuquerque. It was the first time UNM had defeated the conference kingpin since 1972 and was the only loss for the Gougars in 1980.

The first month of the season was a good one for the Lobos. They suffered a pair of losses on the road against Missouri of the Big Eight Conference and Texas Tech of the Southwest Conference, but were right in the thick of things against both foes. A resounding victory over rival New Mexico State evened the record at 2-2 and then came an impressive 24-21 victory at Wyoming in a game televised by ABC. That win gave New Mexico the lead in the conference title chase.

It was the following week in a game against Colorado State that things slipped away. Standout quarterback Brad Wright went down for the season with a broken collarbone. Injuries mounted over the preceding weeks and the Lobos lost five of their last six games.

All of this prompted Morrison to hit the recruiting trail looking for some much needed speed and depth. He also hired replacements for two departing assistant coaches. John Neal, a graduate assistant coach

in 1980, replaced Rocky Long who became the defensive coordinator at Wyoming, and Ex-Lobo great Stan Quintana was named to return to his alma mater, replacing receiver coach George Pugh who left for the University of Pittsburgh.

At season's end Shupryt was named to the all-WAC team at linebacker. Teammates Frank Sedillo, Todd Lafferty and Ben Shultz were named academic all-conference. Shupryt was also tabbed as the team's Most Valuable Player for the 1980 season.

BASKETBALL: Gary Colson spent his first season at courtside for the Lobos and began the rebuilding job by leading them to an 11-15 overall record. The year was marked by controversy which led to several minor suspensions and finally to a dismissal of two players -- Jerome Henderson and Tony Persley--- from the team for disciplinary reasons.

Colson will begin the 1981-82 season with only two players -- forward Larry Tarrance and guard Phil Smith -- left over from the previous coaching staff.

The 80-81 season was one in which the Lobos struggled from start to finish to find some consistency. The season went from some incredible highs like the 57-56 upset victory over Wyoming to some incredible lows like the 91-54 drubbing at the hands of the same Cowboy team.

The Lobos battled some very good basketball teams down to the wire during the season. The conference schedule alone was enough to give any coach nightmares. Four Western Athletic Conference teams were selected for post-season tournaments. Of the 15 Lobo losses, two were in overtime and six others were decided by six points or less.

Kenny Page finished his career one year early, as he opted to turn pro after his junior season. The Staten Island, NY native scored in double figures in every game he played as a Lobo -- 28 in 1979-80 and 25 last season -- for a total of 53 straight.

He finished third in career scoring. His total of 603 points, combined with 784 in 1979-80, gave him 1,387 and placed him just 155 behind all-time leader Willie Long (1969-71) and 150 behind former great Mel Daniels (1965-67). Page's 1980-81 season ranks as the fifth best scoring season in UNM history.

Perhaps the most pleasing statistic of the 1980-81 season was the fan support. The Lobos enjoyed the second-best attendance year in the school's history. Lobo basketball drew 288,531 fans in 17 home dates for an average of 16,972 per game. Only during the 1977-78 season was the total higher.

BASEBALL: The Lobos suffered through one of the most disappointing baseball seasons in recent memory. Coach Vince Cappelli's club just never got untracked and the end result was 24-30-1 record and a last-place finish in the WAC Southern Division.

As has become the Cappelli trademark over the years, UNM was a solid offensive team. Seven regular players finished the season with batting averages above .300. Junior shortstop Tom Francis led all Lobo batters with a .388 mark. Designated hitter Andy Trujeque was a surprise at the plate, batting .368 with a team-leading eight home runs. Catcher Barry Brunenkant, a transfer from Eastern Arizona Junior College, finished at .366 despite nagging injuries.

But as good as the Lobos were at the plate, they were equally weak in the pitching and defensive catagories. The club made an unbelievable 143 errors on the season led by Francis who set an NCAA record with 46 miscues at shortstop. Not a strong pitching club in the beginning, the errors really took a heavy toll.

Two pitchers had respectable years. Junior Jim Sharpe finished 6-2 with a 4.48 earned run average. His slate included a victory over perrenial power Hawaii. Senior Bob Rivera got off to a strong start but finished with a 4-5 record and 5.46 ERA. The Lobos had a skyrocketing 6.63 team ERA.

GOLF: By Lobo standards the 1980-81 golf year was a bit disappointing. Much of the trouble that stalked the team during the regular season was forgotten once the chips were on the table, however.

Senior Tommy Armour III led a charged-up UNM team to a seventh-place at the national tournament at Palo Alto, CA. Armour put together a great tournament, finishing fifth overall to the finest college golfers in America. His play earned him All-America honors.

The Lobos seemed to play much below their potential all season but managed to play well enough down the stretch to earn a bid to the prestigious tourney. They were edged by one-shot for a third-place finish in the Conference tournament played at Provo, UT. Brigham Young won the WAC title with San Diego State narrowly finishing ahead of the Lobos. BYU went on to win the national championship at Stanford.

In addition to the honors for Armour, Mike Putnam was an honorable mention all-american and coach Dwaine Knight was picked as the Coach of the Year in this region.

GYMNASTICS: Though the won-lost record wasn't very impressive, Rusty Mitchell has a lot to crow about following this gymnastics year. It was his program that gave the University of New Mexico its only national champion. Steve Jennings, a junior from Farmington, NM, was the nation's best on the pommel horse.

The Lobos also had a great year from Kevin Prady who qualified for the National Sports Festival. And that organization thought so much of the job Mitchell has done, that he was tabbed as a coach for that prestigious event.

TENNIS: Coach Mark Hamilton completed his first year at the head of the New Mexico program by getting to within one match of a .500 season. The highlight of the tennis campaign was the performance of top-seeded Tony Richey, who played well enough to earn a berth in the NCAA Championships at Athens, GA.

Hamilton, who had worked a complete turnaround at Texas Tech before coming to New Mexico, announced that he had signed the state's No. 1 player -- Steve Otero -- to a scholarship beginning next year. Richey, No. 1 in New Mexico the previous year, was one of Hamilton's first big catches. Those two players should give the Lobos a great one-two combination for the future.

SWIMMING: Sam Jones finished his career as the UNM swimming coach with a 4-4 dual meet record and a last-place finish in the Western Athletic Conference meet held at San Diego State. Jones, who coached the Lobos for four seasons, was replaced by ex-Kansas University coach Bill Spahn.

The brightest spot for New Mexico swimming last year was the performance of diver Tom Doyle. He qualified for the NCAA meet by finishing third in the WAC in one-meter diving and fourth in the three-meter competition. The Lobos best finisher in the swimming events at the WAC was Ken Ericsson who managed seventh-place in the 100 and 200 breaststroke events.

WRESTLING: Coach Bill Dotson has UNM's wrestling program climbing in stature faster than was expected. His 1981-82 team might be the best one in the Lobos' history and it's only Dotson's second year of command here. Last year, UNM finished fifth at the Western Athletic Conference tournament, scoring 44 points, highest for UNM in the past 10 years and Kevin Jackson, a true 190 pounder, won the heavyweight championship. That was a fine showing considering Dotson inherited very little talent when he took over in the summer of '80.

His '81-'82 team will be blessed with 13 new signees, four of them junior college transfers with talent and experience to provide immediate help. The incoming crop also includes five state high school champions.

SKIING: Coach George Brooks and his ski team were the classic example of being "all dressed up with nowhere to go." Brooks had the makings of an outstanding team but was forced to trapse around the western United States looking for a spot with enough snow to practice.

In the end it turned out to be a pretty fare year in the long run with the Lobos finishing third in their division of the regional championships. Brooks was particularly pleased with the showing of a couple of in-state residents showing, Brooks says, "the increasing strength of young skiers within New Mexico."

CROSS-COUNTRY, INDOOR AND OUTDOOR TRACK: Coach Del Hessel inherited a squad plagued with scholastic ineligibility and a squad so thin in numbers that he decided to not compete in conference and NCAA competition last year and concentrate his efforts on recruiting.

The Lobos will enter the 1981-82 season with good talent, most of it recruited right here in New Mexico, and with sufficient numbers to make themselves known.

Women's Athletics
Period Covered 1980-81 July 1, 1980 - June 30, 1981
Gary Sandoval
Sports Information Director

While many athletic programs at the University of New Mexico were still a bit tarnished due to the scandle of years past, the women's athletic program at New Mexico shined as bright as the northern star in 1980-81.

It was a year of great change in women's athletics. No longer would this proud lady stand in the background. Now was the time to step forward and be recognized for her achievements. Out of nine varsity programs, five would be represented by UNM at the respective AIAW Championships. Women's athletics in 1980-81 would produce six All-Americans, and 12 All-Conference or All-Region winners, and two Coaches of the Year.

Despite all the honors that were received by individual athletes, the biggest thrill for women's athletics occurred on May 1, 1981 when Athletic Director Linda Estes announced that the University of New Mexico women's athletic program would become a member of the prestigious National Collegiate Athletic Association.

Leaving the Association of Intercollegiate Athletics for Women to join the NCAA was not an easy one. Like a young lady leaving home to go away to college there was both sadness and anticipated joy. For the first time she would leave many good friends that she had grown up with and matured with in the AIAW, since 1971. But now she was going up to bigger things.

The competition would be better and she would now participate in NCAA Championship events. UNM will not completely break away from the AIAW, still abiding by the rules and regulations of the AIAW.

Due to the respect of athletic director Estes, the NCAA has selected Estes to serve on many important committees, including the most important Executive Committee, the governing body of the NCAA. Other committees include the Legislative Review Committee and the Post-season Football Championship Committee and the Championship Standards Committee.

Estes was also selected as the NCAA representative to the Olympic Sub-Committee on Transportation.

Internally the women's athletic department also saw changes. Judy Ray who was Assistant Athletic Director on a part-time basis was promoted to full-time status. After a six month long search for an assistant athletic director, Estes realized that the most qualified candidate was the person already at UNM.

Susan Craig, who had served as Sports Information Director and at the same time coaches the softball team to national prominence, was relieved of her SID duties. She could now devote her full attention to softball and another could spend the justified full-time at sports publicity. Gary Sandoval, a journalism and communications graduate of UNM was selected to that position. Sandoval previously was employed by the UNM men's sports information office.

Within the coaching ranks, Frances "Frankie" Walsh was selected as the new assistant basketball coach. Walsh who hails from Mississippi, one of the hottest women's basketball states in the

country, replaced Pam Lea. In swimming Warren Spahn was hired to replace Sam Jones as the women and men's head swimming coach.

Following is a breakdown of the nine varsity sports women compete in at UNM:

BASKETBALL: The season was one of transistion as a new coaching staff under head coach Doug Hoselton and six new players showed up for the start of season 1980-81.

The overall season record of 7-25 was sub-par, considering the many road tournaments the Lobos encountered because of prior commitments. But many individual and team performances in the later stages of the season provided a good foundation for future season.

The Lobos won two of their last five games and those two losses were only by a total of seven points. The Lobos finally realized their potential and proved that they could indeed tangle with any team and keep it close until the final buzzer.

Again the Lobos brought in top talent for the Lobo Invitational and while they had no problem beating Northern Arizona in the first round 84-72, the championship game against Illinois proved a bit more tough as the Lobos lost in a close one 58-52. Two Lobos, Sheri Moore and Muff Reinert did make the All-Tournament team. Reinert in the first game against Northern Arizona scored 23 points and grabbed 14 rebounds. At the end of the season Reinert announced that at the end of the school year she would transfer to a school close to her home in Washington, D.C.

The Lobos also had the honor of competing in the Northern Lights

Invitational in Fairbanks Alaska. The Lobos won a single game out of the three they played and senior Lisa Wedekind set a tournament record, as she grabbed 21 rebounds in a game against Hawaii.

Junior Sheri Moore was the conference champ in rebounds and freshman Lori McConnell was the conference assist leader.

The Lobos were only to lose one starter off of the 1980-81 team.

SOFTBALL: In its fourth season as a varsity sport the Lobo women's softball team successfully defended its Intermountain Regional Championship and traveled to the AIAW National Championship for the second straight season.

The Lobos have become a nationally recognized power in collegiate softball circles and in 1981 the Lobos kept the nation praising the University of New Mexico softball program.

For the first time in the programs' young history, the Lobos earned their way to the championship game of a major invitational. At the TWU Invitational the Lobos were to meet Texas A&M in the final game and the only thing that could keep the Lobos from beating A&M for the tourney title was bad weather that forced cancellation of that final game.

The University of New Mexico was honored to host the 1981 Intermountain Regional Championship, and while the teams all praised the New Mexico hospitality, the Lobos were not as cordial on the softball diamond.

The Lobos beat New Mexico State in the championship game after

sweeping their opponents in other rounds. MVP honors were shared by the Lobo dual of senior pitcher Tippy Borrego, and senior catcher Tammy Goff. During the tournament Goff batted for a .675 average to win the batting title and had the most RBI's (12). Borrego and Goff were also named to the Intermountain All-Conference team and head coach Susan Craig was named Coach of the Year by her fellow coaches.

At the AIAW Nationals the Lobos finished ninth in the nation.

VOLLEYBALL: Under first year coach Mike Hebert, the Lobo volleyball team transformed itself in 1980. No longer a struggling also-ran, a conference cellar-dweller. At seasons end the Lobos had become a true conference contender, a spoiler, a team to watch in the future.

For many, a 13-20 season (6-4 conference) could not be called a winning one. For the Lobos it was good enough to finish in fifth place in a conference of 13 teams. It was also good enough for the Lobos to qualify for regionals the first time ever for a Lobo volleyball team. UNM finished fourth in the six-team regional playoff.

For the Lobos' achievements in the conference tournament coach Hebert was named Coach of the Year and junior Kim Hicks was named to the All-Conference team.

During the regular season the Lobos won three tournaments including the Colorado Open, which is considered one of the top events of the USVBA season in this region.

Coach Hebert was also selected as the assistant coach of the U.S. women's volleyball team that in July of 1981 will compete in the World University Games in Romania.

TRACK/CROSS COUNTRY: Once again the Lobo women's track program finished in the top 20 at the AIAW Nationals with a 14th place finish. In the seven years the UNM has fielded a women's track program the Lobos have finished in the top 20 three times.

The Lobos traveled to eight prestigious meets including the Texas Relays, the El Paso Relays and the Mt. Sac. Relays. While the Lobos scored well in all of the running events it was the lack of numbers in the field events that kept the Lobos from winning many of those meets.

Four individuals were named to the AIAW All-American team for their achievements during the 1981 season, Michelle Mattias, Charlotte Zepherin, Peggy Mallory and Amanda Fields. All four of these women competed in a 440 relay team that finished fifth in the nation for the 1981 season. Matthias besides running on the relay team also ran to a fourth place finish in the 200 meters at the AIAW Nationals.

The Region 7 Track and Field Championships in which the Lobos finished a strong fourth, brought individual honors to a pair of Lobos. Regina Dramiga and Val Fisher were both regional champions in their respective events.

In Cross Country the Lobos for the second straight year went undefeated during the regular season. With injuries to key personnel and lack of experience the Lobos could only manage to qualify one individual to nationals.

Lorretta Chavez was the lone Lobo at the AIAW Nationals and as

a sophomore she finished in a respectable 70th. Chavez was also named to the All-Region 7 team.

All the above mentioned award winning athletes will return next season to improve as Lobos Track/Cross Country members.

TENNIS/SWIMMING: The Lobo swim team found the going tough in 1980-81 as they were over matched in most of their meets. They finished in seventh place at their regional meet.

Three Lobos set school records to show the potential that lies within the swim program. Nancy Poe in the 50 fly, Thresa Kraemer in the 50 freestyle and Heidi Gilkyson in the 200 breast and 400 individual medley.

Sam Jones left as swim coach for both men and women and was replaced by Warren Spahn.

Competing against national calibre teams as Brigham Young, Utah and many California schools combined with injuries to the top seeded UNM players, the Lobo tennis team struggled but showed great indication for future greatness. The Palmisano sisters, Sandy and Leanne provided a potent doubles threat, as well as Teddie White and Suzanne Kloster in the singles.

GOLF: As in the year before the name in Lobo women's golf for the 1980-81 was Kris Monaghan of Los Alamos, New Mexico.

Monaghan finished in the top ten individually seven out of the 12 tournaments that the Lobos participated in. Her highest finish was a fifth place in the Dick McGuire Invitational at the UNM south course.

The Lobos best finish as a team came at the Sun Devil Invitational when the Lobos finished fourth.

It was more than a month from the last Lobo competition to the AIAW Nationals. The layoff affected everyone except Monaghan. While the Lobos missed the cut after three rounds, Monaghan charged out on her own to finish with a four round total of 302, good for a twelfth place tie.

GYMNASTICS: The women's gymnastics program produced many top individual performances during the 1980-81 season even though their top individual performer, Lisa Fuller was out for three fourths of the season.

At the nationally recognized Texas Invitational, the Lobos finished third out of twelve teams. Dual meet wins were over Air Force, Iowa State, UTEP and Utah.

The Lobos were only five points away from qualifying for the AIAW Championships, the best score ever for a UNM team. Tracy Weaver qualified as an individual to the AIAW Nationals but did not score any points.

SKIING: The women's ski program received national attention in June when Marianne Rud for Norway was selected as recipient of the Broderick Award as the outstanding women's collegiate skier for 1980.

Rud, in March of 1980, was the top finisher in the AIAW National Ski Championships out of 58 total participants in the cross country race. Rud was also the top vote getter for the AIAW All-American ski team.

As a team the Lobos finished in a very strong 10th place finish at the AIAW national meet.

Other Lobos who faired well in 1980, even though many times the snow was not very cooperative included: Jill Wahlqvist, who finished seventh in the AIAW giant slalom event and Lisa Kimura who was one of the top alpine skiers in the rocky mountain region.

UNM ATHLETIC FACILITIES
USE OF FACILITIES

July 1980 - June 1981

<u>Facility</u>	<u>Event</u>	<u>Total Participants</u>	<u>Total Spectators</u>
Stadium	UNM Football - 5 games	917	88,600
Arena	UNM Basketball - 17 games	700	288,531
Lobo Field	UNM Baseball - 40 games	1,300	5,000
Tennis Courts	UNM Tennis - 8 dates	128	500
Swimming Pool	UNM Swimming - 4 meets	80	200
Johnson Gym	Wrestling - 9 matches	285	2,500
Carlisle Gym	UNM Gymnastics - 5 matches	114	6,200
Golf Course	Tucker Tournament	190	3,000
Arena	UNM Women's Basketball - 16 games	381	4,500
Carlisle Gym	UNM Women's Gymnastics - 2 meets	60	200
Johnson Gym	UNM Women's Volleyball - 14 games	420	500
Johnson Gym	All Indoor Intramural Sports & Johnson Gym Fields - Outdoor	44,529	13,000
Stadium	Intramural Track Championships	356	5,000
Stadium	NROTC Drills - many times	8,500	500
Arena	Sports Car Club Races - many times	2,000	3,000
Stadium	State H.S. Football	115	4,600
Swimming Pool	Open Use for swimming & Johnson Gym for recreational use	250,000	6,000
Arena	State Drill Championships	950	2,000
Arena	Cheerleading Clinic	625	1,500
Stadium	Special Olympics	1,200	6,000
Arena	Harlem Globetrotters	66	8,225
Arena	H. S. Graduations	4,526	16,000
Stadium	American Legion - July 4	160	25,000
Arena	PEC Concerts - 6	400	50,000
Donated Land	Little League Baseball	8,500	13,000
Lobo Field	Amateur Baseball	2,700	7,000
South Fields	Youth Soccer	3,600	8,000
South Fields	Amateur Softball Practice	1,000	
Stadium	UNM Women's Track	185	1,200
Stadium	Women's H.S. Track - 3 meets	182	1,200
Stadium	State Women's H.S. Track	195	4,700
Stadium	State Men's H.S. Track	225	14,000
Stadium	State H.S. All-Star Football	65	9,000
Arena	State H.S. All-Star Basketball	24	4,600
Arena	NMAA Board Meetings - several	212	50
Arena	NMHS Coaches Association	100	---
Stadium	YAFL Playoffs	360	4,500
Golf Course	Dick McGuire Tourney	100	1,000
Golf Course	ATIAW Championships	500	3,000
Arena	State H.S. Basketball Tourney	240	50,000
Arena	Albuq. Journal Gymnastics (2)	30	30,000

<u>Facility</u>	<u>Event</u>	<u>Total Participants</u>	<u>Total Spectators</u>
Arena	Japan Nationals - Gymnastics	20	15,000
Johnson Gym	High School Graduations - 4	3,000	16,000
Arena	Albuq. Fire Dept. Training	450	---
Tennis Courts	Open Tennis to public	11,000	500
Tennis Courts	NM Open Tennis Championships	85	350
Golf Course	Albuquerque Women's Tournament	87	2,000
Golf Course	Albuquerque Men's Tournament	400	4,000
Stadium	Track-Jogging, etc.	2,000	---
Complex	Racquetball Courts	2,500	---
Complex	Weight Room - non UNM use	2,500	---
McDavid Room	APS Counselors	75	---
McDavid Room	UNM Admissions	250	---
McDavid Room	Alumni Board	75	---
McDavid Room	Purchasing - Bid Openings	25	---
Johnson Gym	PEC Concerts - 2	100	10,000
Golf Course	Open to Public	45,000	---
TOTALS		<u>403,994</u>	<u>730,526</u>

APPOINTMENTS TO STAFF

Tom Brennan	Assistant Director - Academics	July	'80
Anita Kelly	Clerical Specialist II	Oct	'80
Pam Lea	Assistant Basketball Coach for Women	Aug	'80
Kathy Noland	Ticket Clerk	Aug	'80
Dave Edmonds	Assistant Basketball Coach	Aug	'80
John Neal	Assistant Football Coach	April	'81
Celia Valencia	Clerical Specialist III	May	'81
Del Hessel	Head Track Coach	Aug	'80
H. B. "Bebe" Lee	Associate Director	Sept	'80
Mark Hamilton	Head Tennis Coach	July	'80
Doug Hoselton	Head Basketball Coach for Women	July	'80
Mary Dietz	Head Tennis Coach for Women	Aug	'80
Mike Hebert	Head Volleyball Coach for Women	July	'80

SEPARATIONS FROM STAFF

Del Jones	Assistant Sports Information Director	Sept	'80
Bob Thate	Assistant Basketball Coach	July	'80
Anita Kelly	Clerical Specialist II	March	'81
Pam Lea	Assistant Basketball Coach for Women	June	'81
Kathy Noland	Ticket Clerk	Dec	'80
Rocky Long	Assistant Football Coach	Jan	'81
George Pugh	Assistant Football Coach	June	'81
Sam Jones	Head Swimming Coach	June	'81
Peter Martinelli	Strength Coach	June	'81

AFRO-AMERICAN STUDIES:

ACADEMIC AFFAIRS DIVISION 1980-81
REPORT

My assignment to take over the Afro-American Studies, both Academic Division and Student Services on July 1, 1980 may be likened unto being ordered to take over the two halves of a sunken ship, "The Afro-American Studies" renamed "Student Services" and "Academic Affairs" with orders to refloat the two halves of the ship, clean six ransacked and vandalized cabins and the decks, reconstruct the two halves into two whole ships, make them sea worthy and capable of holding full loads of passengers, attract the passengers, provide a log book and navigate both safely home through a stormy sea. Further, the first five orders were to be accomplished within two to four months. Inherent in the orders enumerated above were sub but important orders such as provide meaningful activities to nourish the physical, intellectual, cultural and social needs of the passengers and crew. There was a glimmer of hope though, to the effect that a captain for one of the ships will be appointed soon.

The following is the reproduction of the highlights of the Log Book entries.

The immediate general philosophy adopted for navigation through 1980-81 was to reflect the general mission of the University and to create an atmosphere conducive to the institution of supportive programs and academic courses necessary to facilitate the intellectual, psychological, cultural and social growth of Black students on campus. In addition to the campus objectives, an intensive project of reparation and re-establishment of better and stronger relationship between the Black community and the University was undertaken.

The first item on the agenda was to list courses for Fall 1980. This proved problematic in that departments that have for years sponsored Afro-American Studies courses have terminated their sponsorship. The proposal for independent course numbers for Afro-American Studies which would have solved the situation was still pending before the Curricula Committee needed rewriting and restructuring.

Through a series of meetings with Dr. Albert Vogel, Chairman, Education Foundation, rewriting and retitling of Afro-American Studies courses, the College of Education once more agreed to sponsor Afro-American Studies course listing for Fall 1980.

Meanwhile, with the help of Dr. T. Zepper, Chairman, Curricula Committee a rewritten and reconstructed proposal was approved by the Curricula Committee and was introduced by him before the full Faculty Senate in October 1980. Again, with the help of Dr. Zepper, and Dr. Joel Jones the proposal for independent course numbers for Afro-American Studies was approved.

The academic year 80-81 saw the addition of five new courses to Afro-American Studies curriculum. Further, the year heralded a solid foundation of interdepartmental dialogue and cooperation

as evidenced by an agreement between History Department and Afro-American Studies in which a visiting History Professor will teach a course through Afro-American Studies; the offering of two courses through the Continuing Education Department; the cross-listing of two courses with the Political Science Department and the potentiality of some with Elementary Education and American Studies Department.

The question of retention was dominating the numerous other concerns the university had. Various ideas were afloat as to how best to impact the attrition rate. Afro-American Studies concerned with the high drop out rate of Black students also sought ways to stem the tide. Through negotiations, the English, Math and Engineering Departments provided Afro-American Studies with Graduate Students whose duties were solely to tutor Black students for 15 hours per week. I might add that the wages for these graduate students were paid by their respective departments. To that extent Black students were tutored free.

A free editing and typing service were also instituted to address the usual dilemma of Black students submitting to their Professors, probably late, less than adequate handwritten papers. This practice, in most cases, earned them low grades thereby enhancing their chances of being counted among the drop-outs. The reasons for Black students submitting handwritten less than adequate papers we found to be manifold; inability to pay \$.75 per page; inability to find someone willing to type their paper gratis; inability to find someone to read over their paper prior to submission and others. The free editing and typing services did address some of if not all, these problems.

If the success of these programs can be measured by their popularity among Black students then they were; or by the maintenance of better grades by the participants then they were, or by the positive impact they had on the attrition rate of Black students, to that I can only say that those students who will stay with the tutorial, editing and typing services may never be counted among the drop-outs.

Another progressive page was turned when Afro-American Studies conducted a seminar, in cooperation with IBM to successfully establish a Cooperative Education Program. The hiring of two Black students by IBM for a six month work period resulted from the project. It is my hope that the project is kept alive.

Motorola has also expressed their interest in the next seminar.

Amidst these flurries of supportive programs and academic offerings the new Director of "Student Services", Johanna Clayton took office and took charge. Luckily, she shared the same philosophy prevailing then, resulting in a strong bond of cooperation between the two divisions.

Together, Afro-American Studies also decided to address the national question of weak basic skills or lack of it among elementary and high school students. Beyond that the idea also was to

Report (con't)
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create a small pool of Black students whose chances of admittance into college are rather high. To that extent the Afro-American Studies After-School Academy was established to bring in 15-20 Black elementary or high school students to the campus once a week for four hours of instruction in reading, writing and math. Again if the success of the program can be measured by favorable telephone calls from parents and streams of inquiries as to whether the program will be run next academic year then, it was.

I might add that the summer phase of the After-School Academy terminated July 11, 1981. There were more than 106 participants of ages 6-15 and were instructed in reading, writing, math, drama, and science projects, four days a week. The positive feedback from both participants and parents should be the indicators of its success on one level. I hope these programs are continued.

The idea of creating a pool of competent Black students to enter the University of New Mexico or for that matter other colleges was expanded further. In cooperation with the Black Student Union, a 'College Experience Day' was instituted. This program brought on campus about 15 Black high school students. They were paired off with Black students on campus who took them to their various classes both on the main and north campuses. We inferred short term success through telephone calls, notes of thanks and student feedback to Afro-American Studies. The long term positive impact on the participants is dependent upon the continuation of the program. I hope it is continued.

To inspire Black students who were still leaning towards the attainment of their degrees and to recognize and congratulate those who have completed their undergraduate work, the two divisions of Afro-American Studies cooperated and organized "Senior Recognition Day" at which graduating Black students were honored.

Another ongoing project is the creation of Afro-American Studies Resource Center of which we have received donation of books, records, money, etc., from both campus personnel and community persons.

Finally, Afro-American Studies through a grant from the New Mexico Humanities Council, organized a two-day symposium "Africa Our Heritage: Emphasis Art". Community and other organizations that cooperated were, Southwest African American Artist Guild, Albuquerque Job Corp Center, Fellowship Baptist Church and NAACP. The two day activity attracted about 200 people and received quite a bit of media coverage.

Throughout the year the Afro-American Studies program worked cooperatively with Black Student Union to sponsor activities such as "Welcome Back Reception" - Fall 1980, Black History Week, and Dick Gregory (Woodward Hall was sold out). However, the most important achievements of 1980-81 are the intangibles. The following are a few examples:

- 1) for the first time in a number of years
Black students are flocking to the Afro-

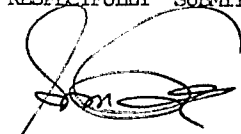
Report (con't)
Page 4

- American Studies because they want to,
- 2) an atmosphere of congeniality among students and staff prevails at Afro-American Studies,
 - 3) community persons and organizations are beginning to feel welcome and therefore visit Afro-American Studies,
 - 4) strong working relationships have been resumed with traditional departments such as Political Science, American Studies, History, Sociology, Education Foundation, etc.,
 - 5) the discovery of the numerous helping hands existing on the campus
 - 6) and many more.

Sincere thanks to Mr. Swede Johnson, who consistently came to the program's rescue financially and otherwise, to Juba Clayton, who was the only crew person shouting "don't! don't!" when the ship was being sunk, to Yolonda Tryon, who worked gratis for months and Mr. Berry Cox who kept us smiling with constant and consistent security visitations and many many others. The team of Yolonda, Juba and myself picked up brooms, mops, pens, hammers, anything and everything to keep the ship afloat and on course.

It is June 30, 1981. The fleet, "Afro-American Studies", but "Academic Affairs" in particular is seaworthy and afloat, decks and cabins cleaned and furnished, hardy crew is at work; full load of passengers on the decks and in the cabins and it is safely at dock. Looking back it has been a pain, a pressure, a pleasure, then a pain, now a pressure, soon it will be a pleasure and never the cycle shall prevail again.

RESPECTFULLY SUBMITTED.



SHIAME OKUNOR.

AUGUST 17, 1981.

The Report of Chicano Studies

July 1, 1980-June 30, 1981

Tobías Durán, Academic Coordinator

Curriculum:

Chicano Studies offered the following courses:

Fall 1980: History of Conflict in New Mexico
(American Studies); La Raza History
and Mexico Since 1821 (History);
Southwest Spanish and Hispanic Folk
Ballads-Songs (Spanish); Sociology
of New Mexico (Sociology); and Mexican
Guitar (Fine Arts).

Spring 1981: History of Conflict in New Mexico
(American Studies); Spanish Speaking
People of the Southwest (Anthropology);
History of the Southwest-Mexican
American Perspective (History); Chicano
Literature and Southwest Hispanic
Folklore (Spanish); Introduction to
Chicano Thought (Philosophy); Seminar -
Cross-cultural Research and Community
Psychology (Psychology); Education of
the Mexican American (Ed. Foundations);
and Rural Community Development
(Community and Regional Planning).

Student Services:

We continued in our efforts to disseminate information on scholarships, fellowships, conferences, and community events. Information regarding courses offered through this program is provided. Advisement is offered in general, but particularly in the area of Southwest studies. Dawn Peterson, Secretary at Chicano Studies attended monthly meetings of MESA Chicana, the graduate student organization, and served as liason. Support was provided for two students, Cynthia Gómez and Roberta Rael, to attend the National Chicano Studies Conference at the University of California at Riverside. They recorded several workshops and the tapes are available for use at Chicano Studies.

The library maintained at the Chicano Studies office in Marron Hall houses a small selection of books, journals, magazines, and newspapers.

Cooperation with the Southwest Hispanic Research Institute

Chicano Studies provided financial support for the recently established Southwest Hispanic Research Institute (SHRI). Faculty and staff of Chicano Studies worked with SHRI in developing several proposals which were submitted to various funding agencies. The Department of Energy funded one proposal in the amount of \$66,341 for the period of a year. Chicano Studies is also working with Robert Kern, History Department, on a project

funded by the New Mexico Carpenters' Union in the amount of \$97,000 for one year. A proposal was submitted to the Fund for the Improvement of Post-Secondary Education: the objectives being to improve learning and teaching by emphasizing problem-posing methods and proficiency in analytical skills. Simultaneously, curriculum would be revitalized. The proposed plan would serve as a model for the development of the Chicano Studies Program towards a broader, better conceived Southwest Studies Program, thereby utilizing quality instruction and full-range of academic resources. A proposal for a demographic conference is scheduled to be submitted in September, 1981. Other support services, such as gathering information and maintaining up-to-date files on funding sources, was also provided by Chicano Studies.

Outside Activities:

Tobías Durán was a panelist for the National Endowment for the Humanities, the Fund for the Improvement of Post-Secondary Education (FIPSE), and the National Science Foundation.

Roberto Salmón attended the Ninth Annual Ethnic Studies Conference.

Appointments to Staff:

Estevan Flores, visiting lecturer, has a joint appointment in Chicano Studies and Sociology. Estevan came to UNM in August, 1980.

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Cynthia Gómez, work study student and research clerk, joined the staff in August.

Dawn Peterson, Clerk Specialist IV, joined the staff in August.

Roberta Rael, research clerk and work study student, joined the staff in August.

Evangeline Romero, Secretary IV, is a joint employee with SHRI. She also started in August.

Separations:

Felipe Gonzales, Lecturer II in Sociology, left the program in December, 1980, to continue his studies at the University of California at Santa Barbara.

Roberta Rael, left the program in June, 1981, to work for the City of Albuquerque.

Evangeline Romero, left her employ with this office in June, 1981, because of termination of funds.

Native American Studies
- Academic Programs/Institute for Native American Development -
1980-81 Annual Report

Employees/Staff:

Ted Jojola (Acting Director): Full-time, 9½ month contract (8/80-5/81)

Simon Ortiz (Visiting Lecturer-English): Full-time, 12 month (terminated 3/81)

Janet Ruby Pickett (Clerical Specialist V): Full-time (resignation due to out-of-town move, 10/80)

Virginia R. Lujan (Clerical Specialist V): Full-time as of 11/80 (Maternity leave 12/80-3/81)

Sadie Hoskie (Temporary hire - contract): 8 weeks, part-time/full-time as grant/seminar coordinator, receptionist

Tamina Tanner (Temporary hire - contract): 2 weeks (2/81) as receptionist

Louise Linkin (Temporary hire - contract): 2 weeks (2/81) as receptionist

Lynne Littlecrow (On-site NIYC/CETA trainee): 3 month receptionist/clerk-Institute for Native American Development, 2/81-5/81

Antionette Miller (Workstudy), Fall Semester

Shereese McHale (Workstudy), Fall Semester

Alicia Galloway (Workstudy), Fall/Spring Semester

Niki Gregano (Workstudy), Spring Semester

Simon Clerk (Assigned at NAS - Workstudy, Student Services), Spring Semester

Robertson Rex (Peer Counselor - Cost-share contract with Student Services), Spring Semester

Don Trooper (Instructor - contract): 1 week, 10/80

William Alabaster (Instructor - contract): ½ week, 11/80

Thomas Peter (Instructor - contract): ½ week, 11/80

Barbara Withers (Instructor - Inkind): Spring Semester

Don Eddy (Instructor - contract): 1 week, 2/81

David Marcolin (Instructor - contract): 1 week, 2/81

Advisory Committee Members:

Chairman: Alfonso A. Ortiz, Professor, Anthropology
Anita Alvarado, Assistant Professor, Anthropology
Sam Deloria, Director, American Indian Law
Beverly Mathews, Student Services Coordinator, Native American
Studies
Paul Resta, Associate Dean for Special Projects, Education
William Siembieda, Director, Community & Regional Planning
Paul Vassallo, Dean of Library Services, General University
Resources/Library

Special Advisory Group:

Richard Ellis, Professor, History
Al Parker, Chairman, Professor, Economics
Leonard Stittleman, Director/Professor, Public Administration/
Political Science

Seminars Held During the 1980-81 Academic Year:

Title:	Date:	Participants:
American Indian Economic Development	June 6, 1980	15
Impact of Energy Development Symposium	June 28, 1980	123
American Indian Economic Development	September 8-12, 1980	5
Ford Foundation NAS Round Table	September 15, 1980	21
American Indian Economic Development	November 10-14, 1980	19
SW Indian Energy Issues Seminar	January 20, 1981	50
Cultural Awareness Seminar	February 4, 1981	56
American Indian Economic Development	February 23-27, 1981	23

Courses Taught During the 1980-81 Academic Year:

Fall 1980

Course Titles	Instructors	Student Enrollment
<u>American Studies</u>		
1004 SW Indian Communities*	Ortiz, S./Jojola, T	23
<u>Anthropology</u>		
1040 American Indian-N America	Ortiz, A.	48
1043 Current American Indian Problems*	Staff	9
1057 Img. American Indian American Culture	Ortiz, A.	7
<u>English</u>		
1641 Creative Writing Prose-Fiction	Ortiz, S./Facknitz, M.	18
1675 Creative Writing-Rd-Wrt Poetry	Ortiz, S./Barba, S.	11
1707 T/Native American Literature*	Ortiz, S./Smith, P.	12
<u>History</u>		
1846 American Indian History	Ellis, R.	49
<u>Navajo</u>		
2002 Elementary Navajo	Neundorf, A.	22
2004 Elementary Navajo (Section 2)	Neundorf, A.	8
6000 Undergraduate Problems	Neundorf, A.	2

*Taught by Native American Studies Staff

Spring 1981

Course Titles	Instructors	Student Enrollment
<u>American Studies</u>		
1004 SW Indian Communities*	Mathews, B.	30
<u>Anthropology</u>		
1042 Ancient Southwest	Cordell, L.	45
1059 T/Athab Language and Culture	Rushforth, E.	8
1062 T/Navajo Ethnology	Chisholm, J.	18
6997 Graduate Problems	Jojola, T.	1
<u>English</u>		
1606 Creative Writing Pros-Fiction*	Ortiz, S./Facknitz, M.	27
1675 T/Native American Literature-Modern*	Ortiz, S./Smith, P.	6
<u>Navajo</u>		
2000 Elementary Navajo	Neundorf, A.	23
2001 Elementary Navajo (Section 2)	Neundorf, A.	8
1002 Intermediate Navajo	Neundorf, A.	5
6067 Undergraduate Problems	Willink, R.	1
6067 Graduate Problems	Willink, R.	1
<u>Community & Regional Planning</u>		
4400 S/Planning for Native American Land*	Jojola, T.	5

*Taught by Native American Studies Staff

PUBLICATIONS:

Fight Back for the Sake of the People,
Simon Ortiz, 75 pages, Literature Series No. 1

Mother Earth, Father Sky and Navajo Resources,
Philip Reno, Joint publication with UNM Press,
183 pages, Development Series No. 3

Program Evaluation:

As expected, the 1980-81 academic year was one of transition. The Acting Coordinator, Roxanne Dunbar-Ortiz, was on leave without pay and an Acting Director, Ted Jojola, was instated with a 9½ month contract after the conclusion of the formal search.

At the time of the transition, the program was essentially embroiled at the tail-end of a factional dispute between Academic Programs and Student Services. The main allegation (as advocated by students) was that Academic Programs had purposely neglected Student Services at the expense of activity sponsored on behalf of the Institute for Native American Development. In fact, Academic Programs is and remained the only hard-funded organization housed at the Center. Under its original organizational structure, the Assistant Coordinator is to assume responsibility for Student Service activities and that the budget would be divided accordingly.

As close as can be approximated, the University administration was moved in June 1981 to mediate a potentially volatile situation. At this time, a number of decisions were made to define the roles of the varying components at the Center. In effect, there were three that were acknowledged. These are Academic Programs, Institute for Native American Development and Student Services. For all purposes, the role of the Special Service Counselor (Betty Ojaye) was overlooked in the component planning so that her position was eventually moved back to the sponsoring organization (Special Services) at Mesa Vista Hall. In all practicality, programs conducted by this counselor were only student services rendered for the 1980-81 academic year.

Eventually, Academic Programs and the Institute were collapsed into one organization with the position of "Coordinator" being changed to "Director." These remained under the administrative mandate of the Provost for Academic Affairs. The Student Services component, however, became semi-autonomous and the Assistant Coordinator's position was transferred under the administration of the Vice President's office for Student Affairs.

From the beginning of the Coordinator's and Acting Director's appointments, the University administration has been trying to determine fiscal allocations. The Administrative Vice President for Student Affairs' office was eventually expected to take the initiative for developing a proposal to build its Student Services Program while the Provost's office was put into a position of defending the Academic Program budget or negotiating an agreeable "split" of that budget. Effective participation by the Coordinator, Acting Director and administrative heads was blunted when the Assistant to the Administrative Vice President for Student Affairs was appointed as a type of "facilitator." Despite assurances that the Coordinator and Acting Director would be directly involved in University administrative meeting, they were not. The terms of division were negotiated by the administration heads. The final compromise was to split the existing budget: 2/3rds Academic, 1/3rd Student Services. It remains to be seen whether the promise of the Vice President to augment the 1/3rd base appropriation will be realized for the 1981-82 academic year. In principle, it was only under the terms of that promise that the Acting Director agreed to the transfer of monies.

Attempts at trying to program and coordinate activities with the new Student Services office have been difficult. Animosities are natural when one program had no money (Student Services) and the others were marginally funded (Academic/Inst.). A distinct lack of communication and consensus of priorities was evident as each had to either build their program or rebuild it. This was further compounded by each having to learn the structure and system of the University and, at the same time, have to be responsible for "inherited" programs.

Another area where needs has to be compromised was the physical plant. The Center is woefully inadequate for the envisaged use of space. Although this is evident to the space-allocation committee, plans for any refurbishing is at an impasse because of long-range plans to demolish the structure for new facilities. Therefore, estimates and plans have been developed, but these have all been blocked on the premise that the University will loose any money it releases for renovation. Almost all improvements, as such, have been in-kind.

PROGRAM ASSESSMENT:

Academic Programs, as well as the Institute, suffer from the basic shortfall. This is a distinct absence of a guiding mission and philosophy. Currently, the program has gone on in a short-run fashion by building programs around the personalities rather than having been evolved from a long range goal. The overall result, therefore, has been a distinct over-application in the field of "cultural awareness," with little or no application toward on going research commitments.

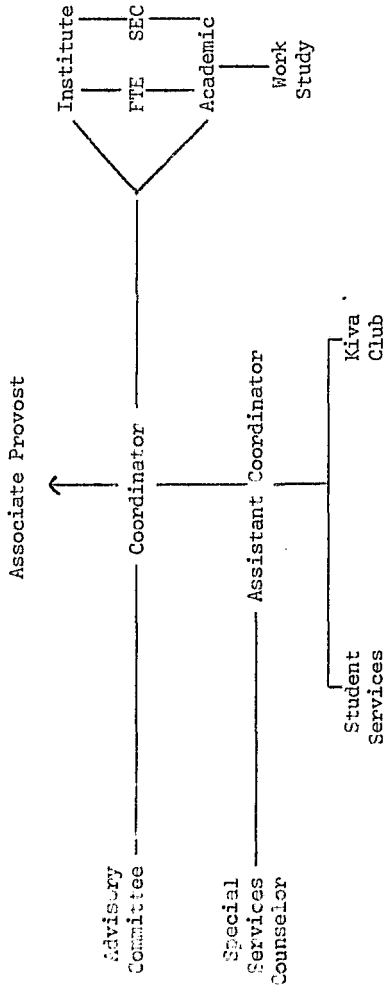
It is recommended, therefore, that a comprehensive reevaluation of the program be conducted to determine probable areas of academic participation at the University. In particular, there is a need to move toward setting priorities on the contracting of courses as well as establishment of a system to monitor the effectiveness of its curriculum upon the University and the community.

For Academic Programs it will be necessary to determine a reasonable profile of the Indian student at the University so as to plan its course offerings better. As for the Institute, there exist a number of directions that could be detailed and developed. In brief, there is a need to establish a greater degree of identity and visibility between the academic community and the tribal governments. There is another need to facilitate the involvement of Indian students with the tribal problem/issue areas. Lastly, there is a need to establish a research and communication capability into its programs.

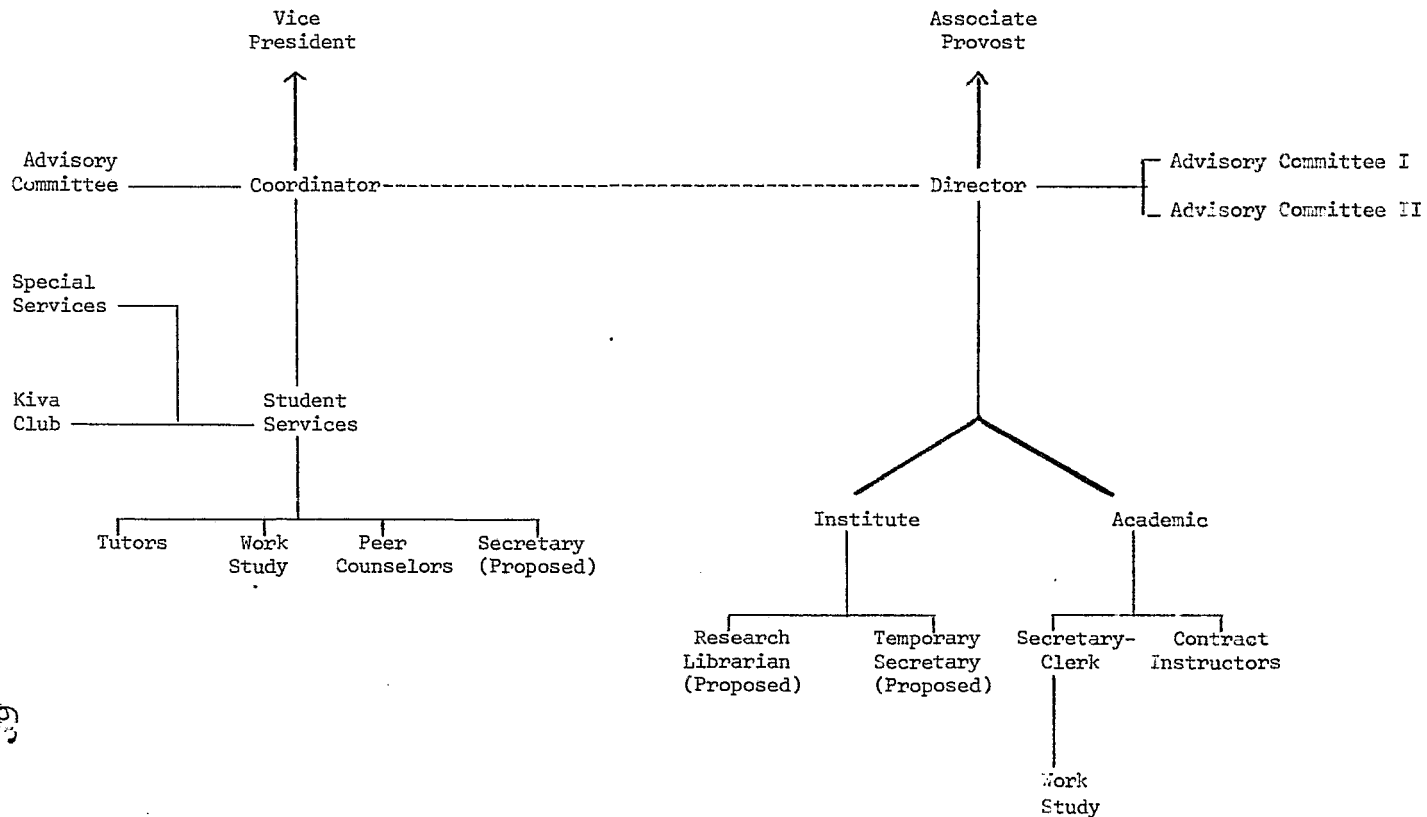
ASSESSMENT FOR THE FUTURE:

Predictably, considering the location and type of human resources, the focus of activity for the Center will increasingly become regional in scope. Because there often exist fewer funds that can be committed in this fashion (the majority usually targeted for national issues), there will necessarily have to be a concerted effort to identify both human and institutional resources that would be willing to cosponsor and coshare in major projects. The time when a program could afford to be self-sufficient in funding and staffing is over. The University administration has not in the 10 year history of the Center, allocated large budgets. It is expected that both the Academic Program and the Institute will continue to be funded marginally. In this case there is little alternative but to build a program structure around a strong philosophy and hope that a national directive can entice funding and participation from a wide number of local regional sectors.

OLD STRUCTURE



NEW STRUCTURE



REPORT FOR THE FIRST YEAR OF NATIVE AMERICAN STUDENT SERVICES

AT THE

UNIVERSITY OF NEW MEXICO

SEPTEMBER 1980, THROUGH JULY, 1981

The Native American Student Services component located at the Native American Studies Center is entering its second year of operation this Fall 1981 semester. The creation of a separate student services component for Native American (Indian) students, directly responsible to the Vice President for Student Affairs, came about through the concern that the development and expansion of student services for Native American students would be better served as a separate viable unit than currently existed at the Center.

This report is a matter of formality that reflects the services, activities, and direction which Native American Student Services has taken since its inception. The Student Services Coordinator will be referred to in this report as "Coordinator". For reference purposes the Native American Studies component will be referred to as "Studies" component and thereupon, the term "Center" will be utilized when reference is made to the combined programs housed at the Native American Studies Center.

The arrival of the Coordinator to the Center on September 22, 1981 began with a flurry of introduction and welcomes. The first order of business included a general introductory meeting at the Center with the

Acting Academic Director, Ted Jojola. He outlined his role and activities since his arrival in early August. At that time the Coordinator was made aware of the staff and office procedures, etc.

Between the months of September and November contacts were made with the following departments and individuals:

Afro-American Studies Center - Juba Clayton, Director,
Student Services
American Indian Law Center - Nancy Tuthill, Acting Director
Chicano Studies - Antonio Mondragon, Coordinator, Student
Services
Office of Student Relations - Richard Sanchez, Assistant
Director
Student Financial Aid for Native Americans - Nancy Erickson,
Assistant Director, Student Financial Aid
Student Health Center - Ann Williamson, Coordinator, Mental
Health
Dean of Student's Staff Meeting - Karen Glaser & Staff Members
UNM Medical School Advisors - Daniel Trevino,
Melvin Gardner, Dr. Edwin Cappabitty
University College Academic Advisors Seminar - Dr. Bruce Potter
Women's Center Advisory Committee Meeting - Kathy Brooks,
Director, Women's Center

These contacts proved to be valuable resources throughout the year and have been established as a regular working network with the Coordinator. Through regular attendance at the Student Personnel Advisory Committee meetings, conducted by Vice President "Swede" Johnson, additional knowledge was accumulated with regard to the other student service departments, including Admissions and Records.

In November and December the Coordinator was involved in several outreach efforts on behalf of the University. The Coordinator served as a representative to the Office of School Relations Ambassador's Programs held in Cuba, Shiprock, Jemez, and Bernalillo. Presentations were made in these high schools, followed by a dinner for various community and school personnel.

The New Year (1981) spurred on a number of activities for the Coordinator. Having been a previous recipient of a grant from the National Endowment for the Humanities for an independent project, an invitation was made to the Coordinator to serve as an NEH Panelist for the awarding of the 1981 grants. The Coordinator was asked to serve as the representative from the Southwest region in Washington, D.C. for the selection process of grants, the first week in January. Humanities scholars from around the country were in attendance which served as an excellent opportunity to share information about programs and activities at the University.

Upon returning from Washington, D.C., plans were made by the Coordinator to host an Open House for students, faculty, and staff at the Center. The Open House was held on January 30, which served as an opportunity to preview an audio slide presentation of the Center's activities and programs. This fifteen minute slide show was produced by the Coordinator for the purpose of documenting the activities and functions at the Center. In collaboration with the Acting Academic Director, the slide show outlined the varying programs and addressed the concerns and issues relative to Native American students and Studies at UNM. It has been used as a promotional presentation as well, for audiences interested in Native American programs at the University.

The Coordinator was nominated in January by the University, to participate in the Greater Albuquerque Leadership Development Program. Upon acceptance to participate in this eight week program, the Coordinator was introduced to a number of prominent leaders and organizations in Albuquerque which fostered greater exposure to the community. In as much

as this program was useful to expanding the awareness of the Coordinator; the Coordinator served the community in a volunteer capacity as well, working with a committee to organize a Public Forum regarding the West Mesa expansion.

February was a relatively calm month, although the services delivery function continued to be a regular activity of the Coordinator. Such services included the provision of tutors, personal counseling, academic advisement, and financial aid via short term loans. Complete figures and statistics as to the students who received services at the Center were not attained, however for those cases documented here are those figures:

TUTORIAL ASSISTANCE PROVIDED
DURING SPRING SEMESTER '81

<u>SUBJECT</u>	<u>NUMBER OF STUDENTS</u>
Math	7
Philosophy	1
English	5
Political Science	1
Biology	2
Chemistry	2
<u>Spanish</u>	<u>1</u>
Total Students Provided	19
Tutorial Service	

A rate of \$4.00 per hour was paid to tutors for a maximum of 2 hours per week per student. Funds for the tutorial service were provided through the Student Services budget and the Greater UNM Foundation upon receipt of a proposal submitted by the Coordinator in March. The very low number of students who received tutorial assistance (19) is indicative of the lack of awareness of the service among students and does not reflect

those students who were referred to UNM Special Services for tutorial assistance due to the limited available funds through Native American Student Services.

SHORT TERM LOAN REFERRALS

<u>AMOUNT OF LOAN</u>	<u>NUMBER OF STUDENTS</u>
\$50.00	55
<u>Excess of \$50.00</u>	<u>3</u>
Total Number of Students Referred for Loans	58

This short-term loan referral system was implemented prior to the arrival of the Coordinator. The source of funds for such a loan system through Student Financial Aid is derived from a special source for Native American students. The Coordinator's inquiries as to the nature or home of the fund has yet to be disclosed, despite the repeated inquiries.

March saw the advent of additional activities from non-enrolled Indian students visiting the campus. Two groups of high school students from the Navajo Academy and Zuni High School respectively, approached the Coordinator in hopes of getting a tour of the campus. The first group of 15 students, from the Navajo Academy in Farmington desired to be "shadowed" by enrolled Indian students at the University. Thus the Coordinator organized a day long activity of having UNM students host one or two students to a day of classes and routine. The second group of 10 students from Zuni High School spent a half day on campus and were given a tour and several talks by enrolled students from Zuni Pueblo.

Another group of college students from Ganado College in Arizona were given an evening presentation at the Center by the Coordinator and then directed to Zimmerman Library where they were given another presentation by the library. This project was set up by the Academic Director who was unable to make the presentation himself.

The initiation of an Advisory Committee for Native American Student Services was perceived by the Coordinator as an effective mechanism for program development working in conjunction with Vice President Johnson, the Coordinator comprised a list of probable committee members from various University departments and community representatives. Letters were sent out and all accepted to serve on the Advisory Committee. The Committee members are as follows:

ADVISORY COMMITTEE FOR
NATIVE AMERICAN STUDENT SERVICES

CHAIRPERSON - Jim Shorty, Director, Native American Program
in the College of Engineering

MEMBERS

Fred M. Christ, Director, Student Aid & Career Advisor
Olga Gandara, Assistant Dean of Students
Vivian Lewis, Director, Laguna Pueblo Scholarship Program
Ted Jojola, Acting, Native American Studies
Beverly Mathews, Coordinator, Native American Student Services
Darva Randolph, Albuquerque Public Schools, Indian Education
Cynthia Stuart, Assistant Director of Admissions
Betty Ojaye, Special Services Counselor and Graduate Student

This Committee held its first meeting on April 17, with a luncheon hosted by Vice President Johnson. The purpose and role of the Committee was outlined at the time, however, no formal charter was incorporated. Several areas of interest with regard to concern for Native American students

were addressed at that meeting. Three specific concerns included:

1. Lack of academic and social preparation of many Indian students prior to entering college.
2. The need for activities designed to serve the academic interest of Indian students such as through special colloquiums or lectures.
3. The need for Indian students to be aware of any university policies such as official withdrawal procedures from school before the end of a semester.

It was agreed upon by the Committee at this initial meeting that any pertinent information with reference to Indian students would be funneled through the Coordinator. The next meeting of the Advisory Committee was to be sometime during the summer.

SPECIAL ACTIVITIES

Tribal Leadership Day - April 24, 1981

Tribal Leadership Day was held in conjunction with the Annual Nizhoni Days. The idea of hosting Indian leaders on the campus was proposed (previously to the Coordinator's arrival) as an opportunity to inform and establish rapport with the tribal constituency in the area. A grant from the Alcoa Corporation was secured through the Vice-President for the Student Affairs office and the Office of School Relations that resulted in the use of the funds for this day long program.

The activities of the day included presentations by all of the known Indian-oriented programs at the University; a luncheon honoring the

1981 Indian graduates from UNM at which time, President Davis gave a speech. Two guest presentations by recognized Indian leaders were presented by, Joe A. Garcia, Executive Director for the Eight Northern Indian Pueblo Council and Dr. Franklin Freeland, Executive Director for the Ramah Navajo School Board. The peak of the day was at the luncheon held in the UNM Union with over one hundred guests and students in attendance. Also in attendance were various UNM administrators, including Provost McAllister Hull, Vice President Johnson, University Dean of Students Karen Glaser. The days activities were brought to a close with a reception for the Indian leaders at the home of President and Mrs. Davis.

Tribal representatives from the following communities were in attendance:

Jemez Pueblo
Zuni Pueblo
Nambé Pueblo

Taos Pueblo
Laguna Pueblo
Navajo Tribe

San Felipe Pueblo

In addition the directors from the Indian scholarship programs of the All Indian Pueblo Council, Inc., Laguna Pueblo and the Mescalero-Apache Tribe, were also in attendance.

Despite the relatively low representation from the tribal leaders, participants felt that the program re-established the University's commitment to the education of Indian people in this area. Furthermore, this program was entirely the lone effort of the Coordinator, which limited the one to one contact necessary for the tribal leaders to commit their participation at this event. It is a known fact, that Indian leaders are hard pressed for attention and commitments to such functions require careful handling. Given the list of tribal representatives at this first attempt, provides hopeful impetus for the continuation of this kind of activity.

JICARILLA APACHE - UNM SUMMER COLLEGE ENRICHMENT/EXPOSURE PROGRAM

The University was approached by the Jicarilla Apache Tribe in early May to discuss the possibility of hosting a group of their Summer Youth Enrichment Program funded by CETA. The interest generated by Vice President Johnson in this project set the stage for planning a one-week supervised program for twenty participants. The week-long program was coordinated by the Assistant Administrative Vice President along with the Assistant Director of School Relations and the Native American Student Services Coordinator.

The program was held the second week in June and served the purpose of exposing the students to college life and career possibilities. Randy Boeglin, Associate Dean in charge of housing in collaboration with the planning committee and was instrumental in providing the students with accommodations in Alvarado Hall. The one-week program introduced the students to classroom lectures and hands on experience at the UNM Computing Center. Certificates of completion were awarded to the students and an informal address by news reporter Conroy Chino of Acoma Pueblo was well received. Again, support from the University Academic and Student Affairs division was encouraging. A written report of the Summer program is available from the Coordinator.

OTHER ACTIVITIES OF THE COORDINATOR DURING THE YEAR INCLUDED THE FOLLOWING:

Regular attendance at Kiva Club meetings throughout the year. The Coordinator later became the Advisor to the club in April (upon termination of Simon Ortiz from the Studies component who had been selected as the Advisor).

Regular contact with the tribal scholarship office including the Navajo Tribe, Jicarilla Apache Tribe, Mescalero Apache Tribe and the All Indian Pueblo Council, Inc. were on going. The purpose of these contacts usually involved the clarification of student's financial aid application status.

Hosted recruiters from the Harvard Medical School, U.S. Forest Service, American Telephone and Telegraph, and Cornell University Law School. Participated in the Dean of Students Freshman Orientation session for the Spring 81 semester.

ACADEMIC INVOLVEMENT OF THE COORDINATOR

INSTRUCTOR: AMERICAN STUDIES 221 "SOUTHWEST INDIAN COMMUNITIES"
SPRING, 1980

The Coordinator had previous teaching experience at the College of Santa Fe, within the Department of Social Science. As a means of gaining greater access to students, she offered her services to teach a section of this American Studies course offering. Despite the poor showing received from the (ICES) student evaluation, the Coordinator found the teaching opportunity an excellent means of identifying strengths and weaknesses in her teaching skills. The Coordinator will continue to teach (with improved showing in the ICES) as long as acceptance to do so is granted by the Academic program. Given the urgency of preparing for this course in addition to regular duties, the Coordinator lacked the time needed to fully devote to the class. Realizing the nebulous parameters involved in teaching course content on Southwest Indians, the Coordinator is confident that the instruction of courses in Native American Studies will become more focused and overall a more familiar and comfortable task.

COMMITTEE/COMMUNITY INVOLVEMENT BY THE COORDINATOR

The Coordinator is an active member of the following committees:

1. Student Personnel Advisory Committee
2. Women's Center Advisory Committee
3. Women Studies Advisory Committee
4. Native American Studies Advisory Committee

The Coordinator also participated in the Minority Recruitment panel.

The Coordinator has presented the following throughout the community:

1. Television Guest Host - All Indian Pueblo Council, Inc. "Pueblo Voices"; Public Affairs Community T.V. program.
2. Guest Presenter - "Indian of the Southwest"; Albuquerque Job Corps
3. Guest Presenter - "Suicide Among Pueblo Indians," National Suicidology Conference, Hilton Inn, Albuquerque, New Mexico
4. Guest Lecturer-"Indian Women and the Workplace"; Indian Health Service Conference for Albuquerque, Phoenix Dental Program, Holiday Inn, Albuquerque, NM.
5. Conference Evaluator - National Indian Child Welfare Conference, Albuquerque Convention Center.
6. Facilitator/Presenter - "Indian Students and Higher Education", American Indian Mental Health Institute, Highlands University, Las Vegas, New Mexico.
7. Presenter - "Expectations Upon Entering College," Navajo Health Authority Summer Intern Program, UNM, Albuquerque, New Mexico.

CONCLUDING COMMENTS

This report is concluded with a personal comment on the year's activities and expectations for the year ahead. I have concerned myself this initial year, with the implementation of an effective service

delivery program for Native Americans that combines professional counseling with program management. I was ambitious in assuming the role of Student Services Coordinator. My first year at the Center was exciting and demanding.

The relationship between Student Services and the Academic programs at the Center was distanced by the differing views of the respective program managers. However, where appropriate, I requested for financial assistance from the Academic Director for projects where I lacked the necessary funding not to mention the difficulty I encountered in securing a separate budget for the Student Services component. In line with the rebuilding of relationships between the Center and the students, I was met with high expectations from the students to produce. This report indicated to what extent that production was achieved. I look forward to carrying on these similar activities evidenced in this report as well as other activities for students. Furthermore, I hope to impact the area of Indian student retention at UNM by serving the immediate problems and long range goals of Indian students attending UNM. I also look forward to having secretarial assistance for the program in the year ahead given my budget appropriation for 1981.

BUDGET EXPENDITURES 1980-81

NATIVE AMERICAN STUDENT SERVICES ACCOUNT # 023-105-1

Tutorial Services	\$ 414.50
Professional/Technical Contracts	457.70
(1) Office Assistant	
(2) Media Consultant	
(3) Student Assistants	
(4) Graphic Artist	
Supplies/Campus Services	384.57
Photo Services	
Printing Plant	
ASUNM Duplicating Center	
GSA Word Processor	
Instructional Media Center Equipment Rental	
Off-campus Lighting Equipment Rental	
Facilities Rental (onCampus)	
Office Equipment Purchases	514.97
3 Chairs	
1 Tables	
** Salaries: Corrdinator professional salary	17,513.00 (EST.)
9 1/2 Months	
** 14,419 was derived from the Academic budget following the elimination of the Assistant Coordinator position within the Center's staff structure.	
Telephone; office copier use; office supplies; and postage were absorbed by the Native American Studies Academic budget.	
Special Account Funds from the Awards Banquet.	\$482.25
These funds were utilized to defray the Tribal Leadership Day expenses.	
Additional funds were requested from the Academic budget to cover expenses for projects initiated by the Student Services Coordinator:	
Cost share for an Office Assistant/Peer Counselor:	\$224.00
ASUNM Duplicating for the Newsletter	40.00
Professional consultant for the Audio recording of the slide presentation	125.00
Total Additional Funds	\$389.00

Annual Report for Student Services

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Travel:

Funds for travel were allocated from the Academic budget.

January, 1981	- Washington D.C. National Endowment for the Humanities Panelist	\$414.00
June, 1981	- Chicago, Illinois, Univeristy of Chicago Summer Institute "Administration, Management, and Planning".	550.00

Total expenditures for the 1980-81 Fiscal Year for Student
Services

\$21,119.79



THE UNIVERSITY OF NEW MEXICO □ ALBUQUERQUE, NEW MEXICO 87131
New Mexico Area Health Education Center (AHEC) □ 505-277-3253

WILLIAM H. WIESE, M.D., Project Director
MELVIN R. GARDNER, Deputy Project Director

July 27, 1981

Dear Beverly:

On behalf of the students and counselors of the Navajo Health Authority Summer Enrichment Program 1981, I would like to thank you for sharing your time and knowledge with us. It was a learning experience for all who participated.

The following paragraph was written by one of the students and sums up their thanks to all our speakers:

"In my opinion the two weeks I've spent here at UNM have been rewarding and fun. I learned a lot from the guest speakers who have spent their valuable time with us. The lectures were interesting and useful, some of the guest speakers may not have known that but their valuable time was rewarding to me. Now I am anxious to go back home and share the experiences with my friends who are also interested in pursuing a health career...I think we the Summer Enrichment Program of 1981 are going to be learning today, leading tomorrow."

Thank you,

Carol Lujan

Carol Lujan
UNM-SEP Coordinator

The students really enjoyed
your talk!

July 8, 1981

Ms. Beverly Mathews
1812 Las Lomas, N.E.
Albuquerque, New Mexico 87131

Dear Ms. Mathews:

On behalf of the American Indian Mental Health Task Force, I would like to express our appreciation to you for a job well done.

Without your commitment and willingness to work, share and grow the Institute would not nearly have been as successful as it was. The incredible thing about the Institute is that in a matter of four weeks, we were able to put together a program which did address real needs.

I might also mention that the Institute had 108 participants from throughout the State of New Mexico making it truly a representative population.

The final report will be available within 1-2 months and we will see that you receive a copy. I do also hope that you will maintain some contact with the Task Force and consider joining if you have not already.

Thank you again.

Sincerely,

A handwritten signature in dark ink, appearing to read "MICHAEL E. Bird", followed by a stylized flourish or checkmark.

Michael E. Bird, Chairman
AMERICAN INDIAN MENTAL HEALTH TASK FORCE



Resource Center, American Indian Nations Region

5101 Copper, NE
P.O. Box 4010
Albuquerque, New Mexico 87196
(505) 266-7961

June 17, 1981

Beverly Mathews
4801 Northern Trail N.W.
Albuquerque, NM 87120

Dear Ms. Mathews:

On behalf of the Committees of the Third National Indian Child Conference I wish to thank you very much for taking part in this conference.

We feel that this conference was a tremendous success, perhaps surpassing the first two conferences. We have received, and are continuing to receive very complimentary letters on the planning, organization and workshops involved in the conference. Please know that your contribution played a major role in achieving this success.

We had anticipated an attendance of possibly 1,000 to 1,200 but ended up with approximately 1,800 interested and concerned people.

A Final Report will be sent to you later in the summer. It is a little early for plans for a Fourth National Indian Child Conference, but just as soon as planning and organization is finalized you will receive this information.

Thank you again for your most valuable interest and support.

Sincerely,

Dallas Johnson
Conference Director

DJ:BC



THE UNIVERSITY OF NEW MEXICO
OFFICE OF THE PRESIDENT

ALBUQUERQUE, NEW MEXICO 87131

April 28, 1981

Ms. Beverly Matthews, Coordinator
Native American Studies Program
University of New Mexico

Dear Beverly:

My heartiest congratulations to you for a successful "Tribal Leadership Day" last Friday! When an event like that runs so smoothly it is because of careful planning and attention to important details. The whole day, the awards luncheon and the reception, helped to bring together people who were vitally interested in the Native American Studies Program. Thank you for all your efforts on behalf of this important program.

With best regards,

A handwritten signature in cursive script that reads 'William E. Davis'.

William E. Davis
President

WED:mt



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STATE OF NEW MEXICO

DEPARTMENT OF EDUCATION - DIVISION OF VOCATIONAL REHABILITATION

LEONARD J. DE LAYO

SUPERINTENDENT OF PUBLIC INSTRUCTION

P.O. Box 1830

Santa Fe, N.M. 87503

ROBERT A. SWANSON

DEPUTY FOR REHABILITATION

(505) 827-5581

J-104

February 19, 1981

Beverly Mathews, Student Services
Coordinator - Native Am. Studies UNM
1812 Las Lomas Drive, NE
Albuquerque, NM 87131

Dear Ms. Mathews:

Thank you for your excellent presentation at the Cultural Awareness Seminar last week. To confirm our agreement with regard to video-taping your presentation, the tape will only be used within the Division of Vocational Rehabilitation in an effort to promote cultural awareness among the employees; specifically the Rehabilitation Counselors who work with a culturally diverse population of clients and with non-profit organizations who are affiliated with DVR.

The presentation will not be used for commercial purposes, as I assured you during the seminar. My sincere appreciation to you for your commitment to promoting cultural awareness.

Respectfully,

Janet L. Bucy, M.A., C.R.C.
Assistant Chief of Staff, Development

JLB/ned



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION
DENTAL CENTER
SOUTHWESTERN INDIAN POLYTECHNIC INSTITUTE
9169 COORS ROAD, N.W.
P.O. BOX 25927
ALBUQUERQUE, NEW MEXICO 87125

December 1, 1980

Ms. Beverly Matthews
Native American Studies Department
University of New Mexico
Albuquerque, New Mexico 87106

Dear Ms. Matthews:

On behalf of the members of the Navajo-Albuquerque-Phoenix Dental Society, I wish to express our gratitude for your participation at our November meeting. Comment from those attending was extremely favorable as to your presentation. I am particularly appreciative of the fact that you were able to assist us on such short notice. Once again, thank you.

Sincerely,

John A. Colvin
President, NAP Dental Society

ANNUAL REPORT
GENERAL LIBRARY
1980-81

INTRODUCTION

Two occasions in 1980/81 stand as milestones that reflect the maturity of the University of New Mexico General Library. One represents a measure of excellence in quantity, the other symbolizes an emphasis on excellence in quality.

The Millionth Volume Celebration on May 1 and 2 was one of the most festive occasions not only for the library and the university but also for the city and state. In recognition of this occasion as a state-wide celebration, President Davis appointed a President's Committee on the Millionth Volume with membership of prominent citizens from throughout the state in fields of education, law, business, literature, the arts, and politics. The President's Committee, chaired by Provost Emeritus Chester C. Travelstead, directed the planning of the acquisition of the celebratory volumes, the preparation and publishing of the commemorative volume, the ceremony itself, and the social functions. One very important element of responsibility of the committee was serving as a catalyst for the involvement of a number of principal donors, who donated one thousand dollars each, and other contributors who made it possible to acquire the volumes and cover other related expenses. Donors also were from all over the state. The items acquired reflect the multicultural heritage of New Mexico. The commemorative volume featured an essay especially written for the occasion by noted New Mexican author Rudolfo Anaya.

The Universidad Autonoma de Guadalajara commissioned a special publication in honor of the occasion, entitled El Reformismo Misional en Nuevo Mexico (1760-1768, by Lino Gomez Carnedo. The first seven numbered copies

were presented at the ceremony on May 1 by Teresita Castillo de Sainz, Directora de la Biblioteca, representing the President of the Universidad Autonoma de Guadalajara. Patricia Battin, University Vice President and Librarian, Columbia University, delivered the keynote speech at the ceremony. Recognition of the occasion was given in Mayor David Rusk's proclamation and Governor Bruce King's proclamation of May 2 as Millionth Volume Day.

While the celebration was in recognition of reaching a milestone in the number of volumes in the library it also marked the reaching of a level of excellence in the quality of its collections.

Another occasion marking the library's continued quest for excellence was a ceremony on February 14, 1981, when Senator Harrison (Jack) Schmitt, the junior U.S. Senator from New Mexico, designated the library as the depository for his senatorial papers. This is part of a program that aggressively seeks to acquire the papers of prominent New Mexicans from all areas including the arts, letters, politics, business, and professions. The state, the university, and the library have lost too much of the state's historical record to out-of-state institutions.

The Dean of Library Services continued to serve on various university standing committees and on committees of national professional societies. In addition, the dean was appointed by Provost McAllister H. Hull, Jr., to chair the Search Committee for a Dean for the College of Education.

At the national and regional levels, the dean was elected to a one-year term as chairman of the Board of Trustees of the AMIGOS Bibliographic Council, Inc., a regional bibliographic network of over 220 libraries in Arkansas, Oklahoma, Texas, New Mexico, and Arizona. In addition, the

dean was also elected Chair of the Council of Academic Research Libraries in AMIGOS (CARLA). CARLA's membership includes the eleven major academic research libraries in the Southwest. The dean was also elected to represent AMIGOS to the OCLC Users Council for a term of 1981-83.

The Report of The Technical Services Division
of the General Library
July 1, 1980 - June 30, 1981
William E. Tydeman, Acting Assistant Dean

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I. General Departmental Information

A. Significant achievements during the academic year

Heraclitus', notion of change that "everything flows and nothing abides; everything gives way and nothing stays fixed", could serve as the theme of this past year. Very little has stayed fixed. The year began with Connie Thorson as Head of the Acquisitions Department, Jo Hintner, Head of Bibliographic Control, Benita Weber, Head of Serials and Dan Lester as Assistant Dean. On September 2, Ms. Weber was asked to serve as Acting Head of the Acquisitions Department while Dr. Thorson served as Acting Assistant Dean for Collection Development. Harry Broussard, Systems Librarian was asked to work half-time in Serials during this same period to provide assistance to Benita. Jo Hintner resigned as Head of Bibliographic Control effective March 30. Her duties were assumed by Dan Lester, the former Assistant Dean, whose resignation became effective on the same date. Mr. Lester served in a department head capacity until June 26, 1981 when he formally ^{resigned} served his official relationship with the General Library. The year ended with Bill Tydeman serving as Acting Assistant Dean as well as Acting Head of Bibliographic Control. These personnel changes certainly had an impact on the continuity of work and staff; but, in general, the normal work routines continued.

The implementation of the new Anglo American Cataloging Rules, Second Edition (AACR II) on January 1, 1981, had an important impact on library procedures and operations. The rules provide new forms of cataloging entry and description more suited for computerized procedures.

Catalogers in both the Bibliographic Control and Serials Departments spent great quantities of time studying new rules. UNM assumed leadership bringing these changes to Southwest librarians. Jo Hintner conducted several training sessions on AACR II for New Mexico and Southwest region librarians. Diane Stine of the Serials Department attended an AACR II Institute in November conducted by the Library of Congress and used this training to implement the new rules at UNM.

The new cataloging code also resulted in a change of filing rules. In January of 1980, a pilot project was approved for refiling the card catalogs in the Special Collections Department and in the Parish Library. Over 80 staff members participated in this well executed "trial run". Lessons learned from the pilot project were used in a complete refiling of main card catalog in Zimmerman. The subject catalog was refilled in May and the author-title refiling was planned in July and August. These early phases were completed with efficiency and little public inconvenience. Teaching faculty were appraised of the project and its outcomes. As the fiscal year concluded, the Bibliographic Control Department was busily resolving the discovered problems and conflicts. The end results will make the public card catalogs a better guide to our collection.

The Serials Department also worked on several projects to improve access to our serial holdings. A KWOC (Key Work Out of Context) index to the serials fiche entries was produced and should be available for public use during the fall. Other changes designed to make the serials fiche easier to use included: an improved set of filing rules designed to circumvent problems in initialism and punctuation, an improved design in formatting and call number/location structure.

As new branch campuses were opened in the past year, procedures were implemented to provide library services to students on these campuses.

Arrangements were made to process materials for the Belen and Los Alamos campus. The Acquisitions and Bibliographic Control Departments ordered and cataloged the items, and arrangements were made to produce catalog cards from the OCLC system. By the end of the year, 556 titles had been received and cataloged for the Eastern Valencia Center in Belen and 801 titles for the Los Alamos Branch. In addition, the General Library provided a temporary librarian's position to coordinate purchases for these campuses.

During the past year, despite all these changes, work on special projects continued. The Serials Reconciliation Project, now over two years old, moved toward completion of fiscal reconciliation. Expectations are that the fiscal reconciliation could be completed as early as March of 1982. The project has had immediate benefits in prompter processing of invoices and claims. Other aspects of this complex project (which is really an evaluation of all our serials) showed steady progress. At the end of the fiscal year, the project was 69% completed. A more detailed analysis is included in the Serials Department Report.

The number of titles added to the collection remained at about the same level as previous years - a number that is, unfortunately, still far below the requirements of UNM faculty and students. The actual number of titles added remained constant at about 34,000 volumes. As the chart below indicates the actual differences between 1979/80 and 1980/81 reflect only 0.3% difference with 33,877 added in 1980/81 and 33,983 in 1979/80. The actual number of volumes added was somewhat less, down about 6% and reflecting decreases in Serials due to inflation and budgetary limitations. The higher number of volumes actually added reflects only a lower percent of volumes withdrawn, and does not indicate any improvement in the growth rate.

	1980/81	1979/80	% Change
Titles added (Gross)	33,877	33,983	- 0.3
Volumes added (Gross)	49,059	52,291	- 6.2
Volumes withdrawn	5,373	15,657	-65.7
Volumes added (Net)	43,963	37,169	+18.3

Fortunately the number of gifts received exceeded the record levels of the previous year. During 1979/80, the General Library received 50,336 gift items, up a whopping 70 percent over the previous year of 1978/79. This year 51,334 items were processed an increase of 998 over last year. Handling this flood of items with reduced work-study allocations remained a serious problem. However, the gifts section was physically moved in November to create greater working and storage space, and at the end of the year searching procedures were further refined.

The General Library continued to give away duplicated materials to other institutions around the state. Significant materials for The Friends of the Library Book Sale (scheduled this year in October) were also acquired from gifts. In addition, the library earned \$3,350 for the Friends by selling unwanted issues of serials to back-issue dealers.

Many other accomplishments and changes are reported in the annual reports of the Technical Services Department heads, which are appended.

A statistical summary of their reports is as follows:

Acquisitions:

<u>Fiscal Year</u>	<u>Titles Ordered</u>	<u>Titles Received</u>
1973/74	37,923	34,522
1974/75	45,130	41,920
1975/76	48,371	49,401
1976/77	44,367	43,646
1977/78	30,030	28,523
1978/79	24,820	24,755
1979/80	27,498	25,582
1980/81	21,582	22,556

	<u>No. of items</u>
Archives	1,045 (plus six boxes)
Audio	637
Books	17,135
Catalogs	1,170
Films	57
Government Publications	2,829
Kits	200
Maps	147
Music scores	458
Pamphlets	2,243
Prints	147
Reports	1,548
Serials	22,946
Telephone books	49
<u>Miscellaneous</u>	<u>723</u>
Total	51,334

Total number of donors: 2,112

TITLES ON THE CENTRAL SERIALS RECORD

	<u>1980</u>	<u>1981</u>	<u>= or -</u>
Subscriptions	8,176	8,270	+ 94
Gifts	3,357	3,456	+ 99
Exchanges	1,654	1,656	+ 2
Deposit	2,017	2,080	+ 63
Non-current. OP	2,628	2,088	- 540
Purchase	4,626	4,814	+ 188
Title Changes	648	688	+ 40
Newspapers	444	443	- 1
TOTAL	23,550	23,495	- 55

MICROFORMS ADDED

Newspaper Microfilm Reels	557
Other Microfilm Reels	687
Microfiche Sheets	95,967
Microcards	907

CLAIMS	991
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SERIALS LIST TRANSACTIONS	18,382
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SERIALS ACQUISITIONS STATISTICS

New Orders placed:	
Subscriptions	157
Standing Orders (including transfer orders from CSO)	360
Pre-Pays	16
Purchases (including back orders)	338
Cancellations	82
Number of Invoices Paid	1,953
Exchange Titles set up	48

Serials expenditures and encumbrances

Subscriptions	\$ 516,913
Standing orders	\$ 162,228
TOTAL	\$ 679,141

B. Significant Plans and Recommendations for the Near Future

The major condition affecting technical services in the coming year is the impact of the Automated Inventory Control System. Since negotiations are still underway with the vendor, the exact configuration of the system remain uncertain. However, plans for the

Retrospective Conversion of all library materials into a machine readable format are still going ahead. Since the Inventory Control System has the capability to become the on-line catalog for the General Library, special effort must be made to enter all the libraries bibliographic records into a computerized data base. This will necessitate the formation of a new Cataloging Team - a Retrospective Conversion Team. This Team will be charged with the responsibility of inputting all the libraries records into the data base. Plans for the composition of this team, its exact charge and production output await the new acting department head of Bibliographic Control, Chris Sugnet, on August 15th. However, considerable documentation has already been compiled by the Systems Librarian, Harry Broussard and Jo Hintner, the former head of the department. The planning and implementation of Retrospective Conversion procedures is the library's major emphasis in the coming year. As the system expands into an on-line catalog it will affect a major alteration of the library environment.

The adoption of the inventory control system will at some point necessitate closing the card catalog. Additional plans and projections must be developed to determine if interim solutions of a computer output microfilm (COM) catalog or a fiche catalog are cost-effective. In addition, the option of expanding the ICS to an on-line acquisitions system must be rigidly examined.

The great number of personnel changes mentioned at the outset of this report have had a marked impact on staff motivation. The Bibliographic Control Department with the highest turnover, does have a morale problem. The new acting department head, Chris Sugnet, who will assume his duties on August 15th, must not only effect a

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new spirit and sense of purpose among department members but must also: examine the staffing levels of the department, set goals and objectives for each of the Teams in the department and plan a physical reorganization.

Employee turnover was a problem throughout the Technical Services division. In Bibliographic Control the percent of staff change exceeded 30% and the percentage in the Serials Department was equally high. The repetitions nature of many library technical functions makes much of this inevitable, but a major challenge for the forthcoming year will be to develop personnel strategies which can build an esprit de corp and lessen the turnover.

In the Acquisitions Department, the gifts procedures will require scrutiny. With the large numbers of gifts received, it will be necessary to find additional staff to process the material; and continued refinement of the screening, sorting, and processing functions must be sought. In fact, the rationale of accepting all gifts from donors requires reconsideration. The problem has implications not only for the entire library but for university relations as well.

In Serials, the Reconciliation Projects must be continued, but our commitments to the Retrospective Conversion Project will require that the Serials special project priorities be continually examined. The addition of another professional librarian in the Serials Acquisition area, makes possible the expansion of the exchange program especially for Latin American materials. Ways for expanding our newspaper collection will also be examined.

In summary, 1981/82 in Technical Services will continue the previous pattern; it will also be a year of significant change. Much will, of course, depend on the purchase and installation of our on-line circulation system, but the challenges abound and the responsibilities are large.

C. Appointments to staff

Jeff Glabb	CS II, Bibliographic Control	Permanent Part-time	07/07/80
Dolores Moreno	CS II, Serials	Permanent Full-time	07/14/80
Melissa Carlisle	CS IV, Serials (one-year appointment)	Permanent Full-time	07/21/80
Barbara Gienger	CS IV, Serials (one-year appointment)	Permanent Full-time	07/21/80
Forrest Blech	LTA II, Serials (one-year appointment)	Permanent Full-time	07/21/80
Byron Stewart	CS II, Acquisitions	Permanent Part-time	07/28/80
Melissa Carlisle	CS IV, Serials	Permanent Full-time	08/11/80
Byron Stewart	CS II, Acquisitions	Temporary Part-time	08/13/80
Lou Ann Martin	LTA I, Acquisitions	Permanent Part-time	08/18/80
Janice Garcia	LTA II, Bibliographic Control	Permanent Full-time	08/25/80
Benita Weber	Acting Acquisitions Librarian	Temporary Half-time	09/02/80
Ross Sutter	Driver V, Acquisitions 3/4 1/4	Permanent Part-time Temporary Part-time	09/08/80
Dolores Moreno	CS IV, Serials (one-year appointment)	Permanent Full-time	09/08/80
Maria Celina Sanchez	LTA II, Bibliographic Control	Permanent Full-time	09/29/80
Timothy Le Day	CS II, Serials	Permanent Full-time	10/06/80
Linda Brandenburg	CS IV, Bibliographic Control	Permanent Full-time	10/06/80
Illene Renfro	LTA II, Serials	Permanent Full-time	10/15/80
Marilyn Fletcher	Visiting Lecturer, Serials	Temporary Full-time	10/21/80

Appointments to staff continued

Linda Brandenburg	CS IV, Serials	Permanent Full-time	10/23/80
Amanda Artiaga	CS IV, Bibliographic Control	Permanent Full-time	10/23/80
Jim Brown	CS IV, Serials	Permanent Full-time	10/27/80
David Epstein	LTA II, Bibliographic Control	Temporary Part-time	10/27/80
Sue Butcher	LTA I, Acquisitions	Permanent Full-time	11/03/80
Henry Guenther	LTA II, Serials (one-year appointment)	Permanent Full-time	11/03/80
Hira Bhojani	CS IV, Serials	Permanent Full-time	11/24/80
Sharon Goodloe	CS III, Bibliographic Control	Permanent Full-time	11/24/80
Luz Van Coevering	LTA II, Bibliographic Control	Temporary Part-time	12/01/80
Aida Gerdes	CS III, Bibliographic Control	Permanent Full-time	12/01/80
Jeannine Chambers	LTA II, Bibliographic Control	Permanent Full-time	12/29/80
Patricia Jennings	Serials Reconciliation Librarian, Serials	Half-time	01/02/81
Susan Haddaway	LTA II, Serials	Permanent Part-time	01/05/81
Henry Guenther	LTA II, Serials	Permanent Full-time	01/05/81
Teresa Lopez	CS IV, Serials	Permanent Part-time	01/05/81
Lou Ann Martin	LTA I, Acquisitions	Permanent Part-time	01/19/81
Jeanne Horn	CS IV, Serials	Permanent Full-time	02/16/81
Forrest Blech	LTA II, Serials (one year appointment)	Permanent Full-time	02/23/81

Appointments to staff continued

Carol Simmons	LTA I, Acquisitions	Permanent Part-time	03/02/81
Barbara Gienger	LTA II, Serials (one-year appointment)	Permanent Full-time	03/09/81
Joyce Forbes	CS IV, Serials	Permanent Part-time	03/16/81
Ross Sutter	Driver V, Acquisitions	Permanent Full-time	03/23/81
Kimberly Valdez	CS I, Bibliographic Control	Permanent Part-time	03/30/81
Daniel W. Lester	Department Head, Bibliographic Control	Permanent Full-time	03/30/81
John Wylie	CS II, Bibliographic Control	Permanent Part-time	04/13/81
Erlinda Castillo	CS II, Bibliographic Control	Permanent Part-time	04/13/81
Marguerite Swanson	CS IV, Serials (one-year appointment)	Permanent Full-time	04/13/81
Paul Stanczyk	CS II, Acquisitions	Permanent Part-time	05/20/81
Marilyn Fletcher	Serials Acquisitions Librarian, Assistant Professor		06/01/81
Patricia Seavey	LTA II, Serials	Permanent Part-time	06/21/81
 D. <u>Separations from staff</u>			
Dolores Moreno	CS II, Acquisitions	Permanent Part-time	07/11/80
Forrest Blech	CS IV, Serials Promoted	Permanent Full-time	07/21/80
Alec Slinde	LTA II, Bibliographic Control	Permanent Full-time	08/08/80
Melissa Carlisle	CS IV, Serials (one-year appointment) status change	Permanent Full-time	08/11/80
Grant Duxtator	Driver V, Acquisitions	3/4 Permanent 1/4 Temporary Part-time	08/29/80

Separation from staff continued

Connie Thorson	Assumed Acting Assistant Dean for Collection Development position.	Full-time	09/02/80
Dolores Moreno	CS II, Serials promoted	Permanent Full-time	09/08/80
Linda Dirks	LTA II, Serials	Permanent Full-time	09/12/80
Celina Sanchez	LTA I, Acquisitions	Permanent Full-time	09/29/80
Anthony Francis	CS IV, Serials	Permanent Full-time	10/03/80
Jeannie Horn	CS III, Bibliographic Control	Permanent Full-time	10/13/80
Illene Renfro	LTA II, Serials Status change	Temporary Full-time	10/15/80
Linda Brandenburg	CS IV, Bibliographic Control	Permanent Full-time	10/23/80
Henry Guenther	CS IV, Serials Promoted	Permanent Full-time	11/03/80
Sue Butcher	CS IV, Serials transfer/promotion	Permanent Full-time	11/03/80
Shirley Wozniak	LTA II, Serials transfer	Permanent Part-time	11/24/80
Luz Van Coevering	CS IV, Serials transfer/promotion	Permanent Part-time	11/28/80
Debra Thompson- Castaneda	LTA II, Bibliographic Control	Permanent Full-time	12/01/80
Carolyn Huesemann	LTA II, Bibliographic Control	Permanent Full-time	12/24/80
Pam Apodaca	CS II, Bibliographic Control	Permanent Full-time	01/01/81
Patricia Jennings	Assistant Acquisitions Librarian		01/01/81
Patricia Jennings	Assistant Serials/Acquisitions Librarian, status change		01/02/81
Susan Haddaway	LTA II, Serials status change	Permanent Full-time	01/05/81

Separations from staff continued

Henry Guenther	LTA II, Serials (one-year appointment) status change	Permanent Full-time	01/05/81
Yolanda Rocha	LTA I, Acquisitions	Permanent Full-time	01/07/81
Linda Brandenburg	CS IV, Serials	Permanent Full-time	01/16/81
Lou Ann Martin	LTA I, Acquisitions	Permanent Part-time	01/19/81
Forrest Blech	LTA II, Serials (one-year appointment)	Permanent Full-time	02/23/81
Carol Simmons	CS IV, Serials transfer/promotion	Permanent Part-time	03/02/81
David Epstein	CS II, Bibliographic Control	Permanent Part-time	03/09/81
David Epstein	LTA II, Bibliographic Control	Temporary Part-time	03/09/81
Barbara Gienger	CS IV, Serials (one-year appointment)	Permanent Full-time	03/09/81
Byron Stewart	CS II, Acquisitions	Temporary Part-time	03/23/81
Jo Nell Hintner	Department Head, Bibliographic Control	Permanent Full-time	03/30/81
Dolores Moreno	CS IV, Serials (one-year appointment)	Permanent Full-time	04/17/81
Byron Stewart	CS II, Acquisitions	Permanent Part-time	04/27/81
Susan Haddaway	LTA II, Serials transfer/promotion	Permanent Part-time	05/19/81
Ralph Hartsock	LTA II, Bibliographic Control	Permanent Full-time	06/10/81
Paul Stanczyk	CS II, Acquisitions	Permanent Part-time	06/22/81
Daniel W. Lester	Department Head, Bibliographic Control	Permanent Full-time	06/28/81
Patricia Jennings	Serials Reconciliation Librarian, Serials	Part-time	06/30/81

II. Composite of Information Requested on Individual Biographic Supplements

1. Advanced study

Claire Bensinger - Completed German 346, German 446

Daniel W. Lester - Completed Educational Foundations 415, Educational Foundations 501, Educational Foundations 603, Educational Administration 581

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.

Rex C. Hopson - Sabbatical leave 1980/81, studying New Mexico's old hotels and opera houses.

Benita Weber - Traveled to Colombia, South America, December 1980

3. New Scholastic Honors, Fellowships, etc.

None

4. Publications

Russ Davidson - "Faculty status for librarians in the Rocky Mountain region; a review and analysis." To be published in May, 1981, issue of College and Research Libraries

- "Historical studies of the Church in Latin America; the national period to Vatican II." In Rocky Mountain Council on Latin American Studies Proceedings of the Twenty-eighth annual conference (forthcoming, 1981)

Donald L. Foster - "The reluctant learner," Counselor, V. 40, No. 1, (January 1980), p. 4-5; "Resources unlimited," Success, V. 32, No. 3, (Summer 1980), p. 9; "Power of positive discipline," Counselor, V. 40, No. 4, (April 1980), p. 4-5; "How's your learning environment?" Key, V. 19, No. 1, (Fall 1980), p. 3; "Turn objections into sales," Salesman, V. 116, No. 2, (July 1980), p. 54

Publications continued

Daniel W. Lester - Cumulative Title Index to United States Public Documents, 1789-1976, V. 2-8 published during 1980, V. 9-16 expected 1981. Co-authors; Lorraine E. Lester and Sandra K. Faull

Diane Stine - "The Cataloging of Serials in Microform under AACR II Rules," The Serials Librarian, accepted for publication in Spring, 1981 issue. (receive Research Allocations Committee Grant)

"Report of Keynote address and Plenary Session I" to be published in SALALM final report and working papers, 1980

5. Research in progress or completed of creative work or projects

Russ Davidson - Contributor to Historical Abstracts

- Bibliographer, Portuguese and Brazilian section, MLA Annual Bibliography - Politics and Ecclesiastical patronage in Colombia, 1800-1853 (monograph in progress)

Rex C. Hopson - Completed - Cumulative Index to New Mexico Magazine, V. 1-50 (publication pending)

Daniel W. Lester - Continuing research on development of mathematical models to determine research library adequacy

Diane Stine - "Staffing patterns in serials departments of medium-sized research libraries."

Sidney Yen - Completed A Bibliography of Chinese Language Materials in the University of New Mexico General Library (publication pending)

OCLC: A Comprehensive Bibliography (in progress)

6. Activities in learned and professional societies

Russ Davidson - Organized and chaired panel on "The Historiography of the Church in Latin America: recent trends in research," at 1980 Conference of Rocky Mountain Council on Latin American Studies

- Attended Seminar on the Acquisition of Latin American Library Materials Mid-Winter Conference, Chicago, January 18-19

Activities in learned and professional societies continued

- Coordinator of Publishers Exhibits and Coordinator of Book Dealers Reception, Seminar on Acquisition of Latin American Library Materials Annual Conference, June 1-5, Albuquerque
- Attended Southwest Library Association Conference, October 30-November 1, San Antonio, Texas

Pat Jennings - Attended NMLA Conference, April

- Attended American Library Association Annual Conference, June
- Attended S.L.A. Rio Grande Chapter Workshop on Conference Proceedings, May

Daniel W. Lester - Chair, Publications Committee, New Mexico Library Association

- Attended meetings of Executive Board, New Mexico Library Association - Chaired panel on "Cataloging of Conference Publications," Workshop on Conference Literature in Science and Technology, Albuquerque, May 1-3
- Member, Depository Legislation Subcommittee, Legislation Committee, American Library Association

Sharon A. Moynahan - Chair, Committee on Library Operations and Services, and Rapporteur General, Seminar on Acquisition of Latin American Library Materials Annual Conference, Albuquerque, June 1-5

Diane Stine - Attended American Library Association Annual Conference, June

- Workshop leader for NMLA on AACR II, October
- Attended national and regional workshops on AACR II, October and November
- Albuquerque coordinator for NMLA Publications and Mailing Committee

Activities in Learned and Professional Societies continued

Benita Weber - Attended American Library Association Midwinter Conference, January

- Attended American Library Association Annual Conference, June
- Attended NMLA Conference, April
- Attended SLA Rio Grande Chapter Workshop on Conference Proceedings, May
- Gave paper at ALA Acquisitions Pre-Conference on Management of Vendor Services, June
- Continued as Chair of NMLA 1981 Conference Arrangements Committee
- Elected ALA Council representative At-large, 1980-84 term
- Appointed member ALA-RTSD Education Committee

7. Other professional activities

Russ Davidson - Head, Organizing Committee, Regional Consortium for Acquisition of Mexican Materials, Council of Academic and Research Libraries in AMIGOS

Benita Weber - Appointed Chair of the Editorial Board for Serials Review, October

- Worked on the SALALM 1980 Conference Steering Committee

8. Non-teaching University service

Claire Bensinger - Member, University Press Committee

Russ Davidson - Member, Academic Programs Subcommittee, Latin American Institute

- Member, Library Subcommittee, Latin American Institute
- Member, Graduate Dean Search Committee
- Co-editor of LAI Notes, Supplement, monthly acquisitions newsletter of the Latin American Institute

Pat Jennings - Gifts Policy Committee

Non-teaching University Service continued

Daniel W. Lester - Vice President, UNM Faculty Club

Sharon A. Moynahan - Secretary, Library Faculty Council

Diane Stine - Chair, Search Committee for Cataloger

- Search Committee for Ibero-American Librarian
- Chair, Research and Publications Committee
- Library Faculty Council

Evelyn E. Verstynen - Member, Scholarships, Prizes and Loans

Committee - Librarian, Newman Center Library

Benita Weber - Elected to Faculty Senate

- Community Education Committee
- Research Allocations Committee
- General College Task Force
- Faculty Senate President's Library Funding Task Force
- Search Committee for Assistant Dean for Collection Development (#1)
- Search Committee for Assistant Dean for Collection Development (# 2)
- Chair, Search Committee for Acquisitions Librarian
- Skills Center Director Search Committee
- Chair, Search Committee for Assistant Head of Bibliographic Control

9. Public Service

Rex C. Hopson - Member, U.S. Coast Guard Reserve

Daniel W. Lester - President, Greater Albuquerque LHASA APSO Club

- Member, Show Committee, Rio Grande Kennel Club

Evelyn E. Verstynen - Deputy Voter Registrar

- Precinct Chairman, Democratic Party
- Member, Democratic Party Central Committee

Public Service continued

Benita Weber - Volunteer "Big Sister" in Albuquerque Chapter
of Big Brothers/Big Sisters

The Report of the Readers' Services Division
of the General Library
July 1, 1980 - June 30, 1981

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I. General Departmental Information

A. Significant achievements during the academic year

The Readers' Services Division could characterize the 1980-81 year as one in which we stretched our resources to the limit in an effort to meet increasing demands from the community and state while trying to meet a similar demand from our campus clientele.

Several substitutions occurred in personnel assignments during the year. Dorothy Trester returned from sabbatical leave during the Spring Semester and took over the duties as acting head of Tireman Learning Materials Library while Deborah Eagan was on maternity leave. Nancy Pistorius acted as head of the Fine Arts Library while James Wright was on sabbatical. Sandra Coleman took over the leadership of the division while Alice Clark was on sabbatical leave, during the Fall Semester.

One of the significant achievements of the 1980/81 academic year was the hiring of the first full-time director of the Skills Center and the formalization of the Center as a department within the Readers' Services Division.

Five Readers' Services faculty members were reviewed for the mid-point evaluation and were reappointed. These were Mina Jane Grothey, Judy Pence, Nancy Pistorius, Francis Oscadal, and Ellen Robertson.

Library Service to the branch campuses at Belen and Los Alamos as well as to the on-site programs of the College of Education have required a substantial commitment of personnel time. Visits were made to examine local library resources, bibliographies of suggested

materials were prepared, constant consultation on a variety of problems was required, proposals and cost statements were written and numerous meetings with the relevant liaison people took place. While this kind of commitment seems appropriate for a short time to insure the development of good library service, it is planned, hereafter, that this type of service will be limited to the first year of any new program. After that time, each program should be prepared to provide its own library collection and personnel to be responsible for reference, interlibrary loans from this library and instruction in library use.

One of the goals for this year was that: "The problem of preservation and protection of disintegrating and damaged materials must be addressed by a library-wide program." To achieve this, steps have been taken toward expanding our limited micro-filming program. The Head of the Copy Center has taken the State Records Center's training program, the camera equipment has been set up for regular use, a committee has been appointed to oversee the microfilming of New Mexico newspapers, specially designed plates for filming fragile materials have been purchased and a grant has been received from the UNM Foundation for archival filming.

The Readers' Service Division succeeded in raising \$24,800 for the purchase of a Kurzweil Reader for the visually handicapped. This included a grant from the Levi Strauss Company for \$9,375. This service will be available during the next fall Semester.

A letter was sent to all of the University Faculty which explained the changes in the catalog which have occurred as a result of the application of AACR-2 and the new ALA Filing Rules.

Readers' Services personnel contributed to a review of the Library's position paper. Under each of the existing goals, a set of objectives were developed which updated the original goals and objectives statement prepared in 1977.

Collection Development

On July 1, 1980, James Wright was awarded a National Endowment for the Humanities grant to document the Navajo and Hopi Indian Relocation Dispute. The \$50,153.00 grant was awarded to create an audio tape archive of the opinions of Navajo and Hopi people, Navajo and Hopi tribal officials, and federal officials concerning the struggle of the Hopi and Navajo tribes to maintain their traditional lands and way of life. The project was also designed to report to the people of the United States the problems involved in the land dispute and the consequences of relocation through the preparation of two one-hour radio programs to be made available to National Public Radio.

Over 200 hours of audio tapes were prepared through interviews with as many people as possible connected with the Land dispute, including Senators Barry Goldwater, Pete Domenici, and Dennis Deconcini, Congressman Manuel Lujan, Ralph Regula, Morris Udall, Bureau of Indian Affairs officials, former members of Congress, and federal officials that were or are directly involved with the dispute. At this time the programs are nearing completion and are scheduled to be aired over KUNM-FM on September 21 and 22. The audio tapes have been translated and the major portion of the archive has been transcribed.

The manuscript and archival collections were a major focus of the Special Collections Department this year. Twenty-eight new collections were received and other accessions added to existing collections. The department has emerged as a significant repository

with the designation of the General Library as the depository for the senatorial papers by Senator Harrison Schmitt, the projected deposit of Senator Pete Domenici's papers, the continued receipt of the papers of Manuel Lujan and other negotiations for significant collections. The department has made an intensive effort to organize and process the collections deposited and will be looking for an expansion in staffing to handle processing and service as this area rapidly expands. On February 14, a very successful ceremony was held to accept the papers of Senator Harrison Schmitt. After a brief ceremony in the Anderson Room, a reception was held at the President's home.

The Copy Center took the leading role in producing a photographic archive of library activities held in Zimmerman. As a result of a co-operation with the Skills Center, development began on a video archive of library outreach programs. The Millionth Volume Celebration and the presentation of Senator Harrison Schmitt's papers were taped.

The Government Publications and Maps Department made a special effort to increase the collection of state publications. This years' activities involved a great deal of liaison work with various state agencies. As a result the library has received a large number of state publications not available through the state clearinghouse system. Agencies such as the New Mexico-Chihuahua Commission, State Planning Division, State Engineers Office, and the Energy and Minerals Department have been most cooperative in giving us publications. A depository arrangement with the State Highway Department was also concluded for environmental impact statements and other highway documents for public review. In addition to acquiring "fugitive" documents, multiple copies of popular publications are sought.

Collection development work also included attempting to obtain locally or regionally produced federal publications that would not be received through the depository program. Locally, materials from the Engineer Corps, the Bureau of Land Management, and the Geological Survey have been received. Regionally, contacts with the Bureau of Indian Affairs have been vastly improved. In addition two major acquisitions of collections from the Navajo-Hopi Indian Relocation Commission, and the San Juan Basin Regional Uranium Study Commission were obtained. The Navajo-Hopi material was publicized in the NMLA Newsletter. Also obtained were the environmental impact statement for the MX missile system, along with 38 volumes of supporting documentation through non-GPO sources. The emphasis in these activities is always on New Mexico and New Mexico/Southwestern issues.

The Parish Library had a special project this year to obtain foreign annual reports. This was successful in building up a file of about 500 reports.

Several Hispanic authors in New Mexico have presented their papers to the Library. These include Orlando Romero, Denice Chavez, Leo Romero, and E.A. Mares.

The Library is now a depository for maps produced by DOE's Morgantown Energy Technology Center. That, coupled with receipts from the Geological Survey necessitated expansion of the space required for folded map series.

All reference service areas collect statistics on questions for one week in each semester. The questions for the week of April 12-18, 1981 were as follows:

<u>Service Point</u>	<u>Directional Questions</u>	<u>Reference Questions</u>	<u>Total Transactions</u>
General Reference	854	789	1643
Index/Microforms	602	759	1361
Ethnic Studies	32	104	136
Tireman	67	41	108
Skills Center	66	21	87
Fine Arts	89	38	127
Parish	188	146	334
Office	16	3	19
Special Collections	<u>227</u>	<u>149</u>	<u>376</u>
Totals	2141	2050	4191

Reference and Instruction Services

One of the goals stated in last year's annual report said: "Effort will be focused on evaluation and revision of library instruction programs; and creation of new programs, including especially an orientation for handicapped students." To reach this goal an additional reference librarian was appointed, a major part of whose duties was coordination of library instruction. The Library Intern for this year was a full-time position also committed to instruction programs. Among other projects they: 1) prepared a tape recording of library services for the UNM dial-a-tape Information Service, 2) developed a grant proposal for \$1320 which was approved by the University's Gifts Allocations Committee to underwrite printing expenses for brochures describing library collections and services, 3) implemented the ICES program for student evaluation of all fall and spring semester tours, 4) completed a brochure on "How to Use the Card Catalog" and revised the "Self Guided Tour of Zimmerman Library" booklet, 5) designed and produced brochures on the Special Collections and Fine Arts Library collections,

6) coordinated the revision of sociology, biology and engineering library instruction materials, and 7) cooperated with the Library Skills Center in developing and presenting orientation programs for Basic Skills students. The number of classes or groups receiving orientation or instruction were:

	<u>1979-80</u>	<u>1980-81</u>	<u>% Change</u>
Classes	406	613	+ 50.98
Students	9444	8657	- 8.33

Fewer students were seen since the English 101 teaching assistants conducted the tours for English 101. Several other new handouts or brochures were prepared this year. They included Music History and theory and Special Services to Disabled Students. New instruction programs at the Parish Library included marketing, international management, international marketing, introductory management, and financial management. A series of workshops in finding company information was presented.

A four-week series of study skills workshops was developed and offered during fall and spring semester. A formal tutor-training program was implemented during the fall semester. Though the Skills Center was charged with providing free academic services to students in the University Skills Program (USP) only, there were many requests from students who were not enrolled in USP courses for tutorial assistance. In an attempt to meet some of this demand, services were provided to Math 120 students on a time-restricted basis and English 101 and 102 students were able to attend English Workshops and writing labs. The Skills Center also began offering review workshops for students taking the Communications Skills Test. In conjunction with the Communications Skills Department, a workshop format was developed that can be repeated by Skills Center staff on a regular basis.

The Reference Department revised and updated a complete index of UNM theses and dissertations by department. The file is well used since it offers convenient access by discipline. The project originated last year in response to a faculty member's request for a complete list of all UNM special education titles. As far as we know, this is the only complete record of UNM theses and dissertations extant on campus.

Even though it is handicapped by insufficient space and a small staff, The Parish Library increased its reference and instruction services. Extra temporary positions made possible this increase in service with an almost unmanageable demand for reference service from outside of the University. As the only business library in the state, Parish has tried to meet the demand from the business community and other schools while still protecting the rights of its primary clientele.

A cooperative agreement was established with the Albuquerque Journal to allow library patrons to access the paper's biographical and regional subject files. Patrons will be screened and referred through the Reference Department.

In order to better provide reference service for state documents from the GPMD area, the author section of the New Mexico portion of the public catalog was duplicated in GPMD. In essence this gives an agency-title file for New Mexico publications. With this arrangement reference service for state documents seems to be working out well.

A log was kept on the use of the OCLC terminal in the Reference Department. This was extensively used for reference and catalog-use purposes and, except for very occasional patron use, has not been used as a public terminal. For the near future it seems appropriate to continue to limit the use of the terminal to library personnel.

Other Services to Library Users

A major new service offered by the Circulation Department during fiscal year 1980/81 was the establishment of a fee-based document delivery program. While maintaining a low profile by not actively marketing the service, the program has proven itself in its first year. Presently the document delivery program serves hundreds of individuals who are employed at Sandia Laboratories, CDS Laboratories in Durango, the Public Service Company of New Mexico, Los Alamos Technical Associates, and Access Innovations. The document delivery program is an integrated approach to document retrieval which combines various functions of both the interlibrary loan and circulation sections and utilizes all methods of bibliographic verification including online services offered by OCLC and DIALOG. It is designed for those individuals and agencies which desire a specific document and the delivery of the document to a specific location. Any request for any document is accepted by the document delivery program and requests may be submitted by mail, by courier, or by phone.

Since the document delivery program is an expansion of traditional library services, it is supported by the information consumer or by the agency which utilizes the service. The program is designed to be self-supporting. Staff assigned to this program are paid from the revenues generated by the program and not from the Library's budget. The program does not attempt to produce a profit for the Library, it merely attempts to pay for itself.

In its first thirteen months of existence, the program received 5,203 requests successfully completing 4,966 or 95.4%.

The Special Collections Department has made significant contributions to publishing efforts: providing a major contribution to the One Millionth

Volume commemorative volume, a joint publication with the Albuquerque Museum, An Albuquerque Bibliography: A Guide to Published and Archival Materials, as well as contributing extensively to a photographic history of Albuquerque published jointly by the Albuquerque Museum and the Albuquerque Journal.

The Special Collection Department continued to be heavily involved in good organization and access to its collections - updating its catalog to the new AIA filing rules, inventorying its collections, and revising its guide to separate photographs. Increased service demands occurred in use of historical architectural documents, land grant materials and in tours and lectures to students and visitors.

The William J. Parish Memorial Library, as a result of operating in inadequate space, devoted much effort to streamlining the collection through transfers, withdrawals and efficient organization.

A major policy revision in the General Library's loan procedures was approved. At the request of the Physics and Astronomy Department, the Circulation Department evaluated the one month loan privilege for University Staff. Since the University Staff accounts for less than 4% of the Library's circulation transactions, it was decided that extending the staff loan privilege to semester loans would not adversely effect the Library's operations. Semester loans will address the needs of the increasing number of university employees, designated as Staff, who are involved in research or program administration. The revision of the staff loan privileges additionally simplifies the circulation desk charge procedures since all employees of the University receive the same loan privileges.

All multi-media materials were removed from the Copy Center as a location and transferred to a special access area to be serviced by the

selectors of materials. As a result of the operation, a new statistics sheet was designed for the Copy Center.

In preparation for the transfer of the A-V collection to the Circulation Department from the Copy Center, the Circulation Department established procedures for the paging of these materials. At the present time, A-V materials will be retrieved immediately upon request from the "Sandwich Room". The loan period for A-V materials continues to be one week. The location designation is Audio-Visual.

The Executive Council approved a program which should resolve eventually the various problems which exist in North Storage. The Circulation Department became administratively responsible for North Storage and for future in-house storage operations. The in-house storage area will be Tower Level 9 and materials will be paged from TL9 by the circulation staff. The North Storage area will be utilized as a storage area for equipment and for the temporary storage of materials. (i.e. book sale, exchange items) While this program requires substantial physical effort in rearranging North Storage and TL9, the Circulation Department is prepared to make every effort possible in completing this task without undermining the department's primary responsibility of stack maintenance.

The Circulation Department also produced a study of the future shelving needs of Zimmerman Library, a study of the General Library's role as a Southwest resource as reflected in circulation and ILL activity, and a survey of the availability of seating in Zimmerman Library.

The main activity for the year in the Map Room involved weeding duplicate maps. By the end of June lists of available duplicate maps (in the vicinity of 15-20,000 sheets) were mailed to over 50 map collections nation wide. The first list, U.S. maps, disposed of 80-90% of the material listed. The foreign and miscellaneous lists were mailed out

in late June. This elimination of duplicates will provide some growth space in certain areas.

The volume of activity in the Copy Center has continued to increase. In spite of the fact that the total of the revolving account was raised from \$180,000 to \$206,200 the volume of business exceeded this amount and increased 19.69%.

The Copy Center and Interlibrary Loan services cooperated in the five-year review of the Copyright Law of 1976 conducted by King Research, Inc., in February, 1981. This involved compiling and analyzing all transaction records for two years.

Space and Equipment

In the seemingly endless process of acquiring an online circulation and inventory control system, the Library issued its first Request for Proposal during June, 1980. As a result of this RFP, the following systems were examined and evaluated during fiscal year 1980/81.

DOBIS (IBM)	University of Kansas IBM System
Ohio State's LCS (IBM)	Northwestern's IBM system
C.L. Systems Inc.	R.D. Products Circulation Module
Dataphase Systems	Cincinnati Electronic's Classic

After an exhaustive process of reviewing the functional and technical aspects of the various systems, a decision was reached which supported the proposal of purchasing a turnkey system. The turnkey systems were judged to be superior to the IBM based systems for a variety of reasons.

Because of the higher direct costs of purchasing any of the turnkey systems, an attempt was made to reduce the initial size of the proposed online system. By reducing the number of peripheral devices, the initial purchase price of a turnkey system could be established at a level which the University could support. The Library's recommendation

to phase in an online system by purchasing a smaller configuration in the first year than originally proposed was met by the Purchasing Department's ruling that such a purchase would require a new bid for the smaller system. Because of the Purchasing Department's decision, a new RFP was issued by the Library in May, 1981. As a result of this second RFP, the University received bids from Area Inc., C.L. Systems Inc., and Dataphase Systems, Barring any other unforeseen obstacles, the Library should be in a position to recommend the purchase of an online system by August, 1981.

During 1980-81 the Readers' Services Division made significant progress in accomplishing one of the major projects which appeared as a plan in the 1979-80 annual report: "A well designed and consistent signage system is needed for the General Library." This issue was addressed by hiring as consultant, Nancy R. McAdams, architect and library planning consultant at Austin, Texas. Ms. McAdams spent several days examining our problems, talking to General Library personnel, Physical Plant representatives and members of the University Architect's Department. Preliminary plans have been submitted for criticism, and a final report will be submitted in the near future which will analyze our needs, develop options, advise on implementation, and include specifications for the new signage system. The design is expected to address communication with our users on locations, rules and instruction; to identify well designed signs; and to add to the aesthetics of the Zimmerman Building.

New equipment was acquired for microforms. This purchase of 15 new readers and reader printers finally brought this service to a satisfactory level with carefully chosen readers rather than reliance

upon gifts and secondhand machines borrowed from other areas. In the future, as equipment wears out, regular replacement will prevent any need to do such massive purchasing again.

New equipment for the Copy Center included a new Olympic camera, an automatic folder and perforator, a Xerox 920 stapler, a microfiche duplicator and a coin sorter.

B. Significant Plans and Recommendations for the Near Future

During 1980-81 the Readers' Services Division accomplished or made substantial progress on four of the five major projects listed in last year's annual report. Significant progress was made on the signage system; the materials preservation program; the addition of subject specialists for reference service in science, Ibero American Studies, and in local and international documents; and on the expansion and evaluation of instruction programs. Only the proposed project for preservation of Sanborn Maps has not been addressed. Other issues mentioned last year have also been accomplished or have shown progress: "development of better access to XX and audio-visual materials, completing plans for funding a librarian for onsite programs, revising policies on loans of materials for reproduction, attempting further development of the John Donald Robb Archive of Southwestern Music".

Several of the most important needs of the Division are still to be part of the list of problems to be worked on during the 1981-82. These include:

1. "working toward implementation of procedures for better control of serials in accordance with a plan proposed this year"

2. "addressing the increasingly acute shelving space needs"
3. "the engineers' reports which set strict structural limits on what can be added to the Special Collections Department and the huge increases in microforms being received through the government documents"
4. "the Special Collections Department also suffers from its almost total inaccessibility to handicapped students and from a lack of security controlled exhibit space"
5. "the space problems in the Parish Library and the Tireman Learning Materials curtail the collection size and services offered and in Tireman offer no security against theft"
6. "the growth in the serials and monographic collections in the general Zimmerman stack areas threaten to take over seating space in the next three years"

Other specific plans for the coming year will be:

1. We will continue to seek a solution to the problem of serving corporations who need reference and research service on scientific, management and business information. The demand for this service is an increasing threat to the priorities of the campus community.

2. The future of the document delivery service at the General Library looks excellent. The program will expand to include more research groups. As more requests are received and completed, more staff and equipment may be funded. Campus-wide delivery to all faculty and to all students who wish to pay for this service seems to be a possibility also.

3. Although nominally in good shape, the map room faces grave problems. If more map cabinets are not received for at least the next three years we are going to have real difficulty in dealing with the new 1:25,000 series topographic maps of the United States and other acquisitions. It has been pointed out that the map collection is not large for a research library. This is particularly evident in our Latin American holdings which comprise only 2% of the collection. An effort will be made to increase this budget and to seek more exchange programs to acquire these maps.

4. Significant plans include continuing to push for entering more government publications into the main library catalog. Until Government Publications are given the same accessibility as other monographs and serials, they will remain an underused resource by library patrons. The addition of the GPO tapes to our data base seems to be the most effective way of accomplishing this goal.

In conjunction with the increasing automation- the existence of over 100,000 GPO records on OCLC, and the amount of New Mexico state material being added to the OCLC data base both here and at NMSU, an OCLC terminal would make reference work for both types of material easier, particularly since there is no title file for New Mexico state publications in the GPMD card catalog. In addition we would be able to input the locally and regionally produced material acquired, and could start looking at the possibility of cataloging the map collection.

Finally, we will be working on establishing a New Mexican collection within GPMD. This type of material receives very high usage, and that consolidation will aid patron and staff alike.

5. We expect to expand the microfiliming project to include more library materials in need of preservation and to broaden the program through cooperation with other libraries.

6. It is expected that we will implement the automated circulation by building a data base of holdings already in machine-readable form, establishing procedures for adding to the base new materials and items as they circulate. The work on creating item-specific records and adding bar code labels to books will be started.

7. We plan to seek funds for an archival staff to speed up the processing of extensive new collections.

8. We will continue to improve the services to the handicapped by establishing training programs and schedules for use of the new Kurzweil Reader for the Blind.

9. The Parish Library staff has plans to expand the instruction program in the Management Schools.

10. We will work toward the development of a video archive of tapes from KNME-TV and other sources.

11. We will continue work on plans for the Parish and Science/Engineering Libraries. As part of this project we will prepare a plan for more efficient use of Zimmerman Library, and seek to combine service areas so that some staff could be transferred to the proposed Science/Engineering Library. We will develop plans and funding to convert the West Wing into a Southwestern service area which would hold UNM materials, Southwestern literature, The Southwestern architecture collection, and provide suitable space for exhibits, receptions and lectures to bring the resources of the library to the citizens of the state. The heavy public use of these

kinds of resources, the desire to preserve this areas as architectural asset and the need to convert this space to more efficient use requires that such a remodeling be placed on a higher priority and that the local and state community be involved in creating this as a special library for the heritage of New Mexico citizens.

12. We expect to add Skills Center Services to other freshmen courses.

The problem of space will continue to be our highest priority. We will need to keep the General Library and University Administration aware that funding for new library space must be addressed. It is necessary to reiterate the problem described in last year's annual report.

Even if a new building were already underway in a planning or construction phase, a future acute space problem could not be avoided. In both the Parish Library and the Tireman Learning Materials Library, the full capacity of materials has been reached and storage of the collection has taken precedence over study space for users. Some reductions in the size of these collections has taken place by withdrawing infrequently used items for discard or remote storage. The lack of storage space for a remote collection limits any real progress on this problem. The Zimmerman Library, which is nearing full capacity cannot absorb the overflow from the branches. Some areas of the Zimmerman Library are also overcommitted to materials storage. The Thomas Bell Rarebook Room and the Tower Levels set aside for government publications and archives are nearly at capacity. The bookstacks on the Lower Level, Second and Third Floors are already crowding the space reserved for patron seating and an additional amount of shelving which needs to be added in the next year will begin to eliminate seating.

Readers' Services Statistics

	<u>1979/80</u>	<u>1980/81</u>	<u>% of change</u>
Library Use (Gate Count)*	1,404,737	1,374,806	- 2.13
Zimmerman	1,114,248	1,089,310	- 2.24
Parish	162,951	164,566	+ .14
Fine Arts	127,538	120,930	- 5.18
Outside Circulation**	373,734	355,525	- 4.87
Circulation ***	316,020	362,235	+ 14.62
Zimmerman	205,663	260,192	+ 26.51
Parish	20,567	19,058	- 7.34
Fine Arts	46,815	39,625	- 15.36
Listening Center	12,993	14,719	+ 13.28
Tireman	27,855	25,297	- 9.18
Evaluation Center	2,127	574	- 73.01
Reserve Circulation	64,636	65,641	+ 1.55
Zimmerman	48,214	48,710	+ 1.03
Parish	6,296	6,748	+ 7.18
Fine Arts	10,126	10,183	+ .56
Interlibrary Loan	8,198	8,583	+ 4.07
Borrowed	3,949	3,784	- 4.18
Lent	4,249	4,799	+ 12.94

* Does not include Tireman

** Includes interlibrary loans and reserves but does not include the
Listening Center and Evaluation Center

***Includes all recorded circulations

I. C. Appointments to staff

Martha Buck, Clerical Specialist III	10/06/80
Heidi Carrasco, Library Technical Assistant II (50%)	11/13/80
Susan Deese, Head, Skills Center	07/01/80
David Epstein, Library Technical Assistant II	03/09/81
Joanne Gomez, Library Technical Assistant II	09/08/80
Bonnie Hilditch, Instructor	11/03/80
James Jacobs, Assistant Professor	08/18/80
Beverly Moreno, Visiting Instructor	11/12/80 Temporary
Donna Reed, Clerical Specialist I	10/20/80
Christina Ross, Library Technical Assistant II	04/27/81 Temporary
Byron Stewart, Library Technical Assistant II	03/23/81 Temporary
Elizabeth Stewart, Visiting Instructor	07/01/80 Temporary
Elani Walden, Clerical Specialist III	10/06/80
Fran Wilkinson, Clerical Specialist I	02/18/81
Shirley Wosniak, Library Technical Assistant II	11/24/80

I. D. Separations from staff

Gilda Baeza, Instructor	03/01/81
James Brown, Library Technical Assistant II (50%)	10/27/80 Transfer
Erlinda Castillo, Clerical Specialist I (50%)	04/13/81 Transfer
Sandra Coleman, Assistant Professor	06/30/81
Elinore Diven, Clerical Specialist III	10/02/80
Nancy Gabaldon, Department Secretary	06/12/81
Ted Greer, Library Technical Assistant II	06/30/81 Temporary
Richard Inge, Clerical Specialist IV	05/08/81
Leslie Merker, Clerical Specialist IV	12/12/80
Donna Reed, Clerical Specialist III (50%)	05/29/81
Christina Ross, Library Technical Assistant II (50%)	08/19/80

I. D. Separations from staff - continued

Pamela Rowe, Clerical Specialist IV	12/19/80
Mary Alice Sabo, Clerical Specialist III	08/22/80 Occasional
Byron Stewart, Library Technical Assistant II	04/24/81 Temporary
Linda Torres, Clerical Specialist III	09/12/80
Mary Ann Vigil, Department Secretary	06/18/81
Sandra Weeke, Library Technical Assistant II	02/10/81

I. E. Sponsored research or other projects

- a. Two members of the Readers' Services Faculty submitted proposals to outside agencies. This represents 7.7% of the faculty.
- b. Two members received awards from outside. This represents 7.7% of the faculty.

II. Composite of Information Requested on Individual
Bibliographical Supplements

1. Advanced Study

Sandra Coleman - UNM-Management Masters Program - 11 hours

Deborah Eagan - UNM - LS. 434 - Television Techniques

Donald Farren - Columbia University - Work on Dissertation

Mary Ellen Hanson - UNM - Admitted to American Studies Doctoral
 Program, completed Art History 479, American Studies 501,
 History 475 - 9 hours

Nancy Carol Hutchins - Special Libraries Association - Course 102
 Patents and Patent Information - 1.3 C.E.U.

Ernestine Paniagua - UNM - Accepted in Guidance and Counseling
 Masters Program

Nancy Pistorius - UNM - Non-degree coursework in School of Manage-
 ment

Elizabeth Ellen Robertson - DIALOG Seminar; DIALOG Update; Online
 80 Conference

Zanier Vivian - Special Libraries Association, workshop on Con-
 ference Literature of Science and Technology; BIOSIS Workshop;
 DIALOG Legal Information Seminar; DIALOG Biosciences Seminar

2. Sabbaticals, Leaves of Absence, Summer Teaching

Alice Clark - Sabbatical leave July 1 - December 31 - structured
 interviews in universities in New York, New Mexico, and
 California. Attended demonstration of Kurzweil Machine at
 Alamogordo

Sandra Coleman - Professional travel to Tucson, Arizona and
 University of Texas, Austin

Donald Farren - Leave of absence for dissertation work

Minda Jane Grothey - Travel in England for two weeks

Beatrice Hight - Visted art galleries in Los Angeles, New York and Washington, D.C.

Linda K. Lewis - Sabbatical leave January 1 - March 31

Dorothy Trester - Sabbatical leave April 1 through December 31
Travel to Italy; Egypt; Acapulco, Mexico; Houston, Texas;
and Shreveport, Louisiana

Dorothy Wonsmos - Travel to Arizona and Iowa

James Wright - Taught at Mexican American History Institute,
North Texas State University, Denton, Texas

3. New Scholastic Honors, Fellowships, etc.

None

4. Publications

Judith Bernstein - Turnkey Automated Circulation System: Aids to Libraries in the Market Place. Chicago: American Library Association, 1980, 332 pp.

Alice Clark - Microforms as a Substitute for the Original in the Collection Development Process, "Chapter in Collection Development in Libraries": A Treatise Edited by Robert Stueart and George B. Miller, Jr. Greenwich, Connecticut: JAI Press, 1980, pp. 407-435

Deborah Eagan - "What is the Anita Osuna Carr Collection"
New Mexico Library Association Newsletter (October, 1980) p.3

Mina Jane Grothey - "The Church in Latin America since Vatican II: Recent Research Trends" pp. 45-48 in Proceedings of the Rocky Mountain Council on Latin American Studies, 1980. Lincoln: University of Nebraska Bureau of Business Research, 1980

Ernestine Paniagua - "The History of Afro American" Journal of the New Mexico Council for the Social Studies V. XIV: No. 2 (Spring, 1980) pp. 44-57

Nancy Pistorius - "Bibliography" in Guide to Copy Photography for Visual Resource Collections Albuquerque, New Mexico: Mid-America College Art Association, 1980, pp. 92-100

Stephen Rollins - "Network Update-Automated Circulation at UNM in New Mexico Library Association Newsletter" V. 8: No. 3 (August, 1980) p. 7

- Regularly contribute to NMLA Newsletter "Online Roundtable Column"

Charles Seavey - "Practically Speaking: An Inexpensive Map Collection" School Library Journal (August, 1980) p. 42

- "Exploration and Mapping of the Grand Canyon, 1859-1903." Special Libraries Association Geography and Map Division Bulletin No. 19 (March, 1980), pp. 4-15

- "Cities of the American West: An Index to the City Maps." Western Association of Map Libraries Information Bulletin, Vol. 11, No. 2 (March, 1980)

- "Government Publications for Geographic Education: A Brief Introduction." Co-author with Ada E. Kemp, Geographical Perspectives No. 44, (February, 1980)

James Wright - "The Archive of Southwestern Music: Source Materials for the Teacher." New Mexico Musician XXXVIII,

5. Other Research Projects or Creative Work in Progress

Judith Bernstein - "Online Search Service - A Retrospective View" - article in progress

Alice Clark - Managing Curriculum Materials in Academic Libraries

- Book in progress under contract

Deborah Eagan - Annotated bibliography of the Anita Osuna Carr

Bicultural-Bilingual Collection in progress

Mina Jane Grothey - Bibliographic essay on research in human-

ities on the church in Latin America since Vatican II

Mary Ellen Hanson - "A Selected Bibliography of Sources on Quilt-

ing and Patchwork" - Update in progress

Linda Lewis - "Women in New Mexico" - Book in progress

Ernestine Paniagua - Indo China "Boat People" for Albuquerque

Public Schools Curriculum Division

- "Minority Issues on Aging" for Southwest Society on Aging

Nancy Pistorius - "Annotated List of Resources" in Guide to Archi-

tectural Slide Collections for Mid America College Art Asso-
ciation

- Reflections of a Recent Immigrant: Visual Studies of

New Mexico Landscape - Two dimensional mixed media-work in
progress

Elizabeth Ellen Robertson - "Evolution of an Online Search Service

within a Traditional Reference Department" - Article in progress

- State of the art survey of American Indian Libraries and

librarians in New Mexico - In progress

Stephen Rollins - Papers for the American Society for Information

Science Spring Conference

- RAC Grant for index to Wheat's Mapping the Trans-Mississippi

West - In progress

Charles Seavey - Preparing index to the cartobibliography section

of Carl Wheat's Mapping the Transmississippi West, 1540-1861

- RAC Grant with Stephen Rollins
- Paper on collection development for government map collections for Government Publications Reviews

Dorothy Trester - Annotated bibliography "The Effects of television Violence on Youth" - Sabbatical project in progress

- RAC Grant for above project

James Wright - "Documentation of the Navajo and Hopi Indian Relocation Dispute" NEH Grant for \$50,153. (July, 1980-June, 1981)

- Field taping for Robb Archive of Southwestern Music

6. Activities in Learned and Professional Societies

Judith Bernstein - American Library Association - Chair, Circulation Services Evaluation Committee; member, Committee on Machine Assisted Reference Services Section on Evaluation of Search Services; New Mexico Service Representative for Library Administration Management Association

Alice Clark - American Library Association - Member of Council; member of Planning and Budget Assembly; Chair, Nominating Committee of History Section. Attended meetings in Chicago and New York City

- New Mexico Library Association - ALA Councilor; member of Board; member of Nominating Committee; attended meetings in Roswell, Albuquerque and Las Cruces
- AMIGOS Bibliographic Network Advisory Committee on Interlibrary Loan System - January through May
- Greater Albuquerque Library Association - Chair, Constitution and Bylaws Committee

Sandra Coleman - New Mexico Library Association - Member;

- Southwestern Library Association - Executive Board Member Representative at Large, 1978-80; attended conference in San Antonio
- Special Libraries Association - Member of Library Management Division and Rio Grande Chapter
- American Library Association - Association of College and Research Libraries, Budget and Finance Committee, 1980-84; Executive Board Member at Large of Library Administration and Management Association; and LOMS Budget, Accounting and Costs Committee, 1979-81;
- Attended conferences in Chicago and New York

Deborah Eagan - Greater Albuquerque Library Association -

- Publicity Committee, Fall Program Committee
- SALALM - Attended convention in Albuquerque
- New Mexico Library Association - Attended workshop on bilingual librarianship at Las Cruces, sponsored by NMLA and Special Libraries Association

Donald Farren - Presented paper at South Central Society

- for Eighteenth Century Studies in Albuquerque
- Commentator for the Library History Seminar, "Libraries and Culture" at Austin, Texas
- Attended preconference at Association of College and Research Libraries in Boston
- Invited paper submitted to the conference on "Printing and Society in Early America" at meeting of American Antiquarian Society

Mina Jane Grothey - Attended AACR-2 Workshop in Denver

- Attended American Library Association in Chicago
- Seminars on Acquisition of Latin American Materials, (SALAM)
- Chair, Local Arrangements Committee; Ad Hoc Cooperative Cataloging Group; member, subcommittee on Cataloging and Bibliographic Technology; attended meetings in Albuquerque, New Mexico and Chicago
- Attended Rocky Mountain Council on Latin American Studies Meeting in Sante Fe, New Mexico

Mary Ellen Hanson - Member, Special Libraries Association, Rio Grande Chapter, and Registration Committee for Conference Reports Workshop

Beatrice Hight - Attended New Mexico Library Association Conference in Roswell, New Mexico; Secretary, Local History Roundtable

Nancy Carol Hutchins - Attended Special Libraries Association Conference in Washington, D.C.; member, Networking Committee of Rio Grande Chapter

- Attended Geoscience Information Society Annual Meeting, Atlanta
- New Mexico Library Association, Publications Committee

Linda Lewis - Chair, Legislation and Intellectual Freedom Committee of New Mexico Library Association; Federal Relations Coordinator; attended NMLA Conference in Roswell, New Mexico

- Attended DIALOG Update '80 Conference, San Francisco, California

Maria Teresa Marquez - Presented paper at American Library Association Conference, New York

- Attended SALALM Conference in Albuquerque, New Mexico
- Elected vice president, Greater Albuquerque Library Association
- Member, advisory board for Southwest Hispanic Research Institute

Ernestine Paniagua - Secretary, National Association of Interdisciplinary Ethnic Studies, Inc.

- Presented paper, "Minority Issues on Aging" at Southwest Society on Aging Conference, Albuquerque, New Mexico

Judy Pence - Attended American Library Association Conferences at Chicago and New York

- Attended SALALM Conference in Albuquerque, New Mexico
- Rapporteur, Local Arrangements Committee Meeting, Chicago

Nancy Pistorius - Presented paper, Management of Visual Resource Collections, A Supervisory Approach at Annual Conference of Art Libraries Society in New Orleans; program coordinator for Visual Resource SIG Conference, New Orleans

Elizabeth Ellen Robertson - Representative to Executive Board for New Mexico Library Association; Chair, Online Roundtable; Secretary/Treasurer, Native American Roundtable;

Chair, Online Bibliographic Study Committee; New Mexico
Representative, National Online Circuit; attended NMLA
Conference in Roswell, New Mexico

Stephen Rollins - Member, New Mexico Library Association;
Local Arrangements Committee, and American Library
Association

- New Mexico Liaison to Ad Hoc Copyright Subcommittee
- Chair, Job Referral Committee for Greater Albuquerque
Library Association
- Member, Southwest Library Association

Charles Seavey - Member Cartographic Users Advisory Council
for GPO

- Vice Chair, New Mexico Library Association; elected
chair of Documents Roundtable
- Member, American Library Association; co-founder of
Map and Geography Roundtable

Dorothy Trester - Attended "Conference on Aging" in Albu-
querque, New Mexico

- Member, AAUP

Zanier Lane Vivian - Program chair, American Association
for Engineering Education; elected chair, Engineering
Libraries Division; attended University of Southern
California board meeting, Los Angeles, California, and
Fall Planning Meeting at Alexandria, Virginia

- Member, Special Libraries Association, Rio Grande
Chapter; chair, Nominating Committee

- Hosted Chapter picnic and dinner for SLA President
- Member, New Mexico Library Association and Local Arrangements Committee; Chair, Exhibits Committee

Dorothy Wonsmos - Member, New Mexico Library Association and Greater Albuquerque Library Association

James Wright - Chair, Regional Chapter of Music Library Association

- Member, New Mexico Library Association; Local Arrangements Committee and Education Committee
- Delegate, State Conference on Library Materials Preservation
- Delegate, Preservation of Library Materials Regional Conference, Salt Lake City, Utah

7. Other Professional Activities

Alice Clark - Invited participant to Western States Materials Conservation Project, Santa Fe, New Mexico

Deborah Eagan - Appeared on KNME-TV "Ayer y Hoy" to promote the Anita Osuna Carr Bicultural Bilingual Collection

- Consultant to Albuquerque Public Library
- Provided Children's Program of Hispanic folksongs and demonstrated flutes and whistles from Latin America

Mina Jane Grothey - Indexing journals for Hispanic American Periodical Index

Maria Teresa Marquez - Consultant to Southwest Hispanic Research Institute

Ernestine Paniagua - Three talks at Albuquerque High School

- Judge for National History Day at UNM
- Television appearance on Black Experience

Nancy Pistorius - Consultant for Museum of New Mexico, Fine Arts Library and Russell Harris representing a local architectural firm

Elizabeth Ellen Robertson - Consultant, Los Lunas Hospital and Training School for grant proposal

Stephen Rollins - Presentation on Kurzweil Reader to a local Lyons Club

Charles Seavey - Talk "Exploration and Mapping of the Yellowstone National Park" at Special Libraries Association Geography and Map Division Annual Meeting, Washington, D.C.

Dorothy Wonsmos - Sang in ecumenical concert involving Lutheran, Episcopal and Catholic Churches

- Sang in Lutheran choir - J.S. Bach's "Ein Feste Burg"

James Wright - Taught Music 373, Folksongs of North America, Spring, 1980

- Lecture, Mexican American History Institute, North Texas State University, Denton, Texas
- Master of Ceremonies, Ceremony for naming of the John Donald Robb Archive of Southwestern Music

8. Non-teaching University Service

Alice Clark - Chair, Basic Skills Committee

- Consultant and Report on Library Service at Eastern Valencia County Satellite Center, Belen, New Mexico
- Chair, Program for Library's participation in "Media Day"

Sandra Coleman - Faculty Senate

- Long Range Planning Committee

Donald Farren - Library Faculty Council

- Local Arrangements Committee for meeting of South Central Society for Eighteenth Century Studies
- Local Arrangements Committee for SALAM Conference

Mina Jane Grothey - Library Exhibits, Library Travel Committee and Library Faculty Council

- Search Committee for Assistant Documents Librarian
- Subcommittee, Latin American Institute Programs
- Subcommittee, Latin American Institute Library

Mary Ellen Hanson - Admissions and Registration Subcommittee on Falsification of University Records; Learning Materials Library Laboratory Committee; Search Committee for Assistant Dean for Collection Development; Physical Sciences Reference Librarian

- Chair, Ad Hoc Sabbatical Review Committee

Beatrice Hight - Faculty Senate; Undergraduate Academic Affairs Committee

- President's Ad Hoc Committee for Student Standards and Grievance Procedures

Nancy Carol Hutchins - Office of School Relations Recruitment Calling Campaign

James Jacobs - Library Exhibits Committee

- Search Committee for catalog librarian

- Maria Teresa Marquez - Program Committee for International
 Toastmistress Club, Tierra de el Sol
- Ernestine Paniagua - Chair, Exhibits Committee
- School Relations Faculty Outreach Program
 - College Fair and Senior Day
- Nancy Pistorius - Research and Publications Committee
- John Donald Robb Archive Committee and Media Day
 Committee
- Elizabeth Ellen Robertson - Minority Concerns Committee
- Library Faculty Council
 - Library Professional Enrichment Committee
- Stephen Rollins - Library Faculty Council
- Acquisitions Librarian Search Committee
 - Intern Search Committee
- Charles Seavey - Search Committee for Physical Sciences
 Librarian
- Library Exhibits Committee
- Dorothy Trester - Curricula Committee
- Provost's Committee on Gerontology Development
 - Steering Subcommittee and Planning Subcommittee
- Zanier Vivian - Member of five faculty committees
- UNM Undergraduate Academic Affairs Committee
 - Office of School Relations Visiting High School Students Program
 - Library Promotion Committee

James Wright - Member of Faculty Senate and Senate Executive
Committee

- Chair, Student Affairs and Extracurricular Affairs
Committee

9. Public Service

Judith Bernstein - Bnai Brith - Vice President

- Secretary of Albuquerque Cactus and Succulent Society

Alice Clark - Consulting for Gilbert Rivera, Highlands University,
on setting up a tutoring center

Deborah Eagan - Church choir

Mina Jane Grothey - Channel choir at First Methodist Church
and choir librarian

Mary Ellen Hanson - Board of Directors and Voter editor of
League of Women Voters

Ernestine Paniagua - Senior Coalition Lobby Committee for
the state

- New Mexico Health Association Low Income Minorities
Aging Committee

Dorothy Trester - Active in Albuquerque Press Club programs
and Unitarian church groups

Zanier Lane Vivian - Host for AFS students from Ireland and
Yugoslavia

- Albuquerque Arts Council

- Albuquerque Guild for the Santa Fe Opera

- Immanuel Presbyterian Church Mariners

Dorothy Wonsmos - St. Paul's Lutheran Church Senior Choir

The Annual Report of the Collection Development Division
of the General Library
July 1, 1980-June 30, 1981
Connie Capers Thorson, Acting Assistant Dean

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I. General Departmental Information

A. Significant achievements during the year

The Collection Development Division had only a sporadically successful year during 1980/81. The relatively new organizational structure continued to prove itself an intelligent method of conducting the work of the division. Although there were some problems, these were not the result of the organizational structure per se, but, rather, they were a result of having another full year without a permanent assistant dean. It continues to be the opinion of the acting assistant dean and the majority of the selectors that having the selection assignments spread through the library faculty is the best way to serve the needs of the entire university community. The liaison function of the selectors, especially those who have served the same departments for several years now, is working very well, and the teaching faculty seem quite satisfied.

One significant achievement of the year was the completion of the reconciliation project for current serial titles. In addition to this, the first-phase of the CSO reconciliation--the sending out of forms to the selectors--was completed. Many of the titles have been transferred to Serials from Acquisitions, and many others have been cancelled or have been found to be complete. These reconciliation projects, while time consuming, are very important to the management of the serials and the monographic series collections.

The project has allowed the selectors to have a better grasp of what is available in the Library in their areas of interest and what should be considered for addition at a later date.

Another significant achievement of Collection Development during the 1980/81 academic year was the compilation of a rather extensive fiscal report that was presented to the Senate Library Committee, the Council of Deans, and the Provost's Council. This packet contained statistical reports on the expenditure of money for the 1979/80 fiscal year, broken down by broad subject areas and by approval plan. It included a number of graphs and charts made by Dan Lester showing the relationship of the book and serial budget for UNM and many southwestern and/or ARL libraries. While the information contained in the reports was not really taken to heart by people outside the Library, it was useful to accumulate the statistics in one place and to present it in a cogent way to others. It may prove useful for the time when the report to the North Central Association has to be written.

Probably the most satisfying achievement of the entire year was the Millionth Volume Celebration. This kind of celebration, while very important for the University as a whole, is particularly significant to all those involved in collection development. It is, perhaps, the most tangible evidence of years of work by many different people and puts the General Library into a class with only a few other libraries in the United States. The celebration brought a great deal of valuable publicity to the Library, and that publicity will certainly linger in the minds of many for a few years to come.

One can hope that the achievement of this milestone for the Library will be followed by a commitment from the university administration and the state to continue striving to make the General Library one of the best research facilities in the Southwest. Only time will tell.

Another significant achievement for collection development was the completion of the Title II-C, Department of Education, grant proposal. The proposal was submitted to the program entitled Strengthening Research Library Resources. The grant money, were it to be awarded, would support acquisitions in the areas of Mexican and Latin American materials. Included in the proposal was a request for personnel to carry out the purchasing that would be made possible by the award. The exercise of writing the proposal was one that should prove invaluable, even if the proposal does not result in an award.

Another grant applied for was to the Witter Bynner Foundation of Santa Fe. This proposal was funded and will allow the English Department and the General Library to sponsor a public lecture with Professor Charles Tomlinson of Bristol University, England, as the speaker. The lecture will mark the centenary of Bynner's birth, and it will be followed by a reception at the UNM Faculty Club.

Many significant gifts were made to the General Library during the 1980/81 fiscal year. The most significant gifts were, of course, those purchased for the Library by donations from many friends and supporters of the Library on the occasion of the Millionth Volume Celebration. The major one of the four purchases made for the celebration was a first edition of Richard Hakluyt's The Principal Navigations (1598-1600). The other three purchases were all unique manuscripts: one is an account by a participant in the Texan-Santa Fe Expedition; one is a diary by a participant in the Gold Rush;

one is a sketchbook by Frank Hamilton Cushing of his visit to the Havasupai in Arizona, made while he was living on the Zuni reservation. These gifts were made possible by donations solicited by the President's Committee on the Millionth Volume which was chaired by former Provost Chester Travelstead. All four are important documents for the study of New Mexico and the Southwest, and all are important resource documents for researchers. A complete outline of gifts and donors is available in the annual report of the Acquisitions Department.

A second Quebecois grant has been applied for so that the Library can continue building the support that will be needed for the Quebec Studies program that will be available to students in 1983. This grant will work the same way as last year--the Library will be reimbursed for half of what it spends for Quebecois materials up to \$1,000.

Another significant contribution to the Library's collections, made during the year, was that of the papers of Senator Harrison Schmitt. These papers represent all aspects of his work as senator, and there was a public presentation of the gift to the Library in the Spring. The papers of other members of the New Mexico congressional delegation, both past and present, are being sought for the Library as they represent a great treasure to researchers conducting in-depth work in the politics and history of New Mexico.

The greatest problem the General Library faced during the 1980/81 fiscal year, and the one that has the greatest impact on collection development, was that of the budget. The money for buying title-by-title materials ran out in January, leaving five months during which very little was ordered. The Approval Plan money also ran

out, but the Library was able to continue buying some of those books because the University paid the invoices. The total number of titles ordered, both on approval and on title-by-title was down from the 1979/80 fiscal year by 5,916 or 21.5%. The dismal budget with which the selectors and the Assistant Dean worked will cause irreparable harm to the University of New Mexico and its programs both in the short and the long term. Only when sufficient money for the purchase of materials is available will the General Library be able to support the university's programs adequately. If current projections are correct, the baby boom of the 1940s is going to produce (in fact, has already started to produce) a similar boom in the 1980s, swelling the number of young people who will be ready for college in the early and mid-1990s. This boom, if it occurs, could well increase the size of our service community, and the General Library will be called upon to provide the materials these young people must have to support their programs of study. Without an adequate budget right now, the Library will fall farther and farther behind, making it more and more difficult for us to acquire needed current material while it is still in print. The implications of having to buy needed materials on the out-of-print market are staggering. Each year without adequate funding causes the Library to have to purchase more and more of the previous year's material with this year's money. There could conceivably come a time when we are using all our current money to buy materials published the previous year or years.

The General Library has required the services of an Acting Assistant Dean for Collection Development for several years now. The whole of 1980/81 saw an acting person in the position. While many things of an ordinary nature were accomplished, things of an

extraordinary kind were not. There was no gifts' policy written, and the approval plans went along their regular way, with no evaluation of them. The most serious problem faced, but not really begun, was the evaluation of the collection. While each selector was asked to complete a collection evaluation project, only one did. The problem that seems to loom large in this case is that of having an acting person in the position of assistant dean. It appears that only when the selectors have a permanent person to direct their work in this area will much be accomplished. It is hoped that the permanent person will have the authority to get projects accomplished.

B. Considerations for the immediate future

The subject of adequate funding for library materials remains the most pressing problem for the immediate future. The budget has to remain the highest priority because it takes funding to buy materials. When the funding for materials is adequate, then other things will have a chance to become highest priority. The Assistant Dean for Collection Development must continue to provide support and statistical information to help the Dean in his efforts to enlighten those who control the purse strings.

Another consideration for the next few years is the systematic evaluation of the collection. Rational growth will be achieved only when the evaluations of various portions of the collection are undertaken on a systematic basis. Rational expenditure can continue only when the collections are known well by the selectors.

The gifts' policy statement is still a necessity. The gifts acquired in the 1980/81 fiscal year were even greater than in the 1979/80 fiscal year, a year that saw an unprecedented growth in the

number of gifts and donors to the General Library. Many universities are now becoming quite leary of accepting all gifts without regard to their potential use by the university community. Until there is a policy for the General Library, it is almost impossible to say "no." The minimal personnel assigned to gifts work makes an intelligent policy a must.

The General Library should continue to pursue grants that will allow additional funds for the purchase of materials for the Library. Even though there is no way that all such proposals will be successful, the exercise of writing such proposals necessitates collection evaluation, and this exercise will only improve the Library's ability to provide service. Grants to support areas that are already strong and grants that will allow us to build up areas that are weak are both essential to the welfare of the Library.

It has been several years since the approval plan profiles have been evaluated. If the Library is ever successful in getting its funding up to an adequate level, the approval plans will become more and more important. It seems necessary to start planning for that contingency now as well as identifying the strengths and weaknesses of the current profiles.

Perhaps the future but immediate consideration that will have the most impact on the Library and the University is that of writing the report on Library funding that must be turned into the North Central Accreditation Association by June of 1982. The Assistant Dean for Collection Development will, of necessity, have to provide a great deal of the information for this report. The Assistant Dean for Collection Development will have to be very involved in this project, as the results of it will have direct bearing on the future of collection development at the University of New Mexico.

C. Appointments to staff

1. None
2. Selection Assignments

SELECTION COORDINATORS AND SELECTORS

Bensinger, Claire	German Literature and Language
Bernstein, Judith	Business Administration & Management
	Parish & Public Administration
Broussard, Harry	Computer Science
Davidson, Russ	Ibero-American History, Political Science,
	Sociology, Economics, Geography
Dickerman, Carolyn	Biology & Communicative Disorders
Eagan, Deborah	Elementary Education, Tireman
Farren, Donald	Special Collections, New Mexicana, Rare Books
Grothey, Minda Jane	Spanish & Portuguese Language & Literature,
	Ibero-American Philosophy
Hanson, Mary Ellen	Education & Psychology; <u>Reference Coordinator</u>
	<u>Education Coordinator</u>
Hight, Bea	Philosophy & Religious Studies
Hilditch, Bonny	Chemistry & Physics
Hutchins, Carol	Mathematics, Geology; <u>Science Coordinator</u>
Jacobs, Jim	Local & International Documents
Lewis, Linda	Women's Studies; <u>Humanities Coordinator</u>
Marquez, Teresa	State Documents
Moynahan, Sharon	Ibero-American Anthropology & Archaeology,
	Education, Psychology
Oscadal, Francis	History, Economics, Political Science, NRTOC;
	<u>Social Science Coordinator</u>
Paniagua, Ernestine	Ethnic Studies
Pence, Judy	Linguistics & Classics
Pistorius, Nancy	Art, Architecture, Photography, Latin American
	Art
Rathbun, Margo	Journalism & Speech Communications
Robertson, Ellen	Sociology & Anthropology
Rollins, Stephen	American Studies
Seavey, Charles	Geography, Maps, Government Documents
Stine, Diana	Russian Language & Literature
Thorson, Connie	English & American Literature and Language,
	Irish & Scottish Literature
Trester, Dorothy	Secondary & Special Education
Verstynen, Evelyn	French Literature & Language
Vivian, Zanier	Engineering
Weber, Benita	Library Tools & Library Science, Newspapers
Wright, James	Music, Theatre Arts

D. Separations from staff

None

E. Sponsored research or other projects

- a. Number and percent of faculty submitting proposals to outside agencies

In collection development, the staff of one submitted two proposals to agencies for a percentage of 100.

- b. Number and percent of faculty obtaining awards from outside agencies. Of the two submitted proposals, one was funded before June 30, 1981. The other has not yet been announced.

The percentage is 50%.

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced study

Thorson--none

2. Sabbaticals, Leaves of Absence, Summer Teaching Elsewhere, Travel, etc.

Thorson--none

3. New Scholastic Honors, Fellowships, etc.

Thorson--none

4. Publications

Thorson--"A Scheme for the Temporary Classification of Materials on Foreign Law." Co-Authorred with Dennis Reynolds. Library Resources and Technical Services, pp. 129-134, Spring, 1980.

5. Other Research Projects and Creative Works in Progress or Completed

Thorson--"Some Current Publications" forthcoming in May, 1981 in Restoration.

"Faculty Status for Librarians in the Rocky Mountain Region: A Review and Analysis." Co-authored with Margo C. Trumpeter and Russ Davidson. Forthcoming in College and Research Libraries in

May, 1981 issue. Supported by RAC Grant

"Gommorah on the Puerco: A Critical Study of Philip Stevenson's Proletarian Epic, The Seed." Co-authored with James L. Thorson. Forthcoming from UNM Press in High Desert Insurgence, ed. by Robert Kern.

"Smollett and Humphry Clinker: A Bibliographical Essay."

In the Norton Critical Edition of The Expedition of Humphry Clinker, ed. by James L. Thorson. Forthcoming from Norton.

"By the Cut of His Cloth: The Function of Clothing in Humphry Clinker" research in progress.

"Fielding's Narrator" research in progress

6. Activities in Learned and Professional Societies

Thorson--"Insult, Invective and the Fine Stroke: How Edinburgh Fared" Presented at the South Central Society for Eighteenth-Century Studies meeting in Albuquerque, March 6, 1980.

Chairperson, Topics in the Eighteenth Century, SCCECS meeting, Albuquerque, March 7, 1980.

Attended NMLA meeting in Roswell, New Mexico, April, 1980.

7. Other Professional Activities

Thorson--Humanities scholar for the New Mexico Humanities Council Grant to support the Book Arts--New Mexico Grant for the Friends of the UNM Libraries lecture series of that name--fall, 1980.

8. Non-teaching University Service

Thorson--Member, UNM Faculty Senate

Member, UNM Faculty Club Board

Member, Senate Graduate Committee

Member, Senate Task Force on Library Funding

Member, Library Sabbatical Review Committee

9. Public Service

Thorson--Friends of the UNM Libraries

Friends of the Bodleian Library

CONCLUSION

The record of this year's achievements is ample evidence of the concerted effort by the library's faculty and staff to bring about needed improvements in the collections and in service.

While the university administration has provided supplemental funding on an emergency basis, the basic underfunding of library support continues to be one of the glaringly unsolved problems within the university. The perennial presentations, memoranda, faculty senate resolutions, and the university administration's promises of placing this issue on a high priority basis for legislative support, all these efforts have not resulted in a realistic resolution of the problem of library underfunding. While improvements have been made, it must be realized that until this problem is addressed and resolved the library cannot reach the level of excellence evident in sister institutions in the southwest.

OFFICE OF GRADUATE STUDIES

ANNUAL REPORT

July 1, 1980 - May 31, 1981

David T. Benedetti,
Acting Dean of Graduate Studies

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The Report of the Office of Graduate Studies

July 1, 1980 - May 31, 1981

David T. Benedetti, Acting Dean of Graduate Studies

A. Overview.

Following the resignation of Bernard Spolsky as Dean of Graduate Studies on August 15, 1980, the Office of Graduate Studies operated during the year with a reduced professional staff headed by Professor David T. Benedetti as Acting Dean of Graduate Studies. He served two-thirds time in the Office of Graduate Studies while teaching one course in Psychology; an Associate Dean from the Philosophy Department served two-thirds time in the Office. Shirley Earickson continued as Assistant Dean, and Antonio Gomez served as Assistant to the Dean for minority affairs.

The office functioned well during the year in pursuit of its general objectives of enhancing on many fronts the quality of graduate education at the University, aiding in the solution of problems relating to the status and progress of graduate students, and the processing of large amounts of information pertaining to graduate student admission, advancement to candidacy, graduation, and financial aid. Given the interim character of the year, stemming from the University's decision to delay the appointment of a "permanent" Graduate Dean, emphasis was basically upon sound progress and the effective functioning of the Office.

In addition to its interim character, the year saw the gradual winding down of the process of decentralization of graduate governance at the University, partly because of the change of personnel and partly because the

process was neither well conceived nor carried out. While decentralization has perhaps had some salutary effect in stimulating faculty involvement in the context of the graduate committees of the various colleges, it has further complicated the already ambiguous role of the Graduate Dean at UNM. It is now to be hoped that with the appointment of a 'permanent' Dean of Graduate Studies there can be a re-focusing upon that position as the central voice of the University speaking directly to graduate affairs. That voice, however, will remain muted as long as the Dean position remains essentially without power or discretionary budget or responsibility in resource allocation.

The University of New Mexico should decide, in meaningful terms, what it wants in the leadership of and responsibility for its graduate education, and the best structural arrangements to achieve these objectives. For example, continuation of the present gulf between the administrative sectors of research and graduate education will insure that the voice of graduate education at this University will remain largely verbal.

Meanwhile, the Office of Graduate Studies during the past year has cooperated with college graduate committees and with the Senate Graduate Committee on many policy issues, including: approval of a dual degree program for the Master of Arts in Public Administration and Master of Arts in Latin American Studies; approval of a Public and Not-for-Profit Concentration in the MBA program; approval of a Master of Arts program in French to be offered at the French Summer School in Taos; approval of changes in requirements for the Master of Science in Nursing; approval of the offering of Sociology 326S at the Santa Fe Graduate Center in summer, 1981;

approval of the offering of EE436 at the Santa Fe Graduate Center in fall, 1981; approval of the Anderson Graduate School's proposed Post-Masters Professional Certificate Program; approval of governance statements from the College of Education, Public Administration, School of Architecture & Planning, and Medical Sciences; approval of a policy for the selection of recipients of Graduate School Scholarships, Graduate Tuition Fellowships, and the Graduate School Fellowship; approval of a policy governing course offerings at the Santa Fe Graduate Center; approval of a policy regarding the relation of the Senate Graduate Committee to College Graduate Committees, and a companion policy on conflict resolution; approval of a proposal to create Engineering Teaching Fellow appointments designed to assist the College of Engineering in recruiting first-rate, mature graduate students; approval of graduation lists and honorary degree nominees; approval or disapproval of various requests concerning individual students or courses; awarded the \$5,000 Graduate School Fellowship for 1981-82; declined to revise the special admission of international students to graduate study; discussed, without taking action, the doctoral residence requirement as it applies to the College of Engineering and the University generally; recommended A. Charlene McDermott for the position of Dean of Graduate Studies (a position she assumed on June 1, 1981).

Overall enrollment in the graduate school was up slightly from the previous year, but numbers of master's and doctoral degrees awarded declined somewhat; see Tables 1 - 8 for further statistical information.

Dean Benedetti represented the University of New Mexico at the annual meeting of the Council of Graduate Schools of the United States (Las Vegas, Nev., Dec. 3-5, 1980), the annual meeting of the Western Association of Graduate Schools (San Francisco, Cal., March 8-10, 1981), and three meetings of the Council of New Mexico Graduate Deans (Las Vegas Oct. 24, 1980, Socorro April 3, 1981, Albuquerque June 29, 1981). Dean Earickson attended the meeting of the Council of Graduate Schools (Las Vegas, Nev., Dec. 3-5, 1980).

B. Areas of Concern.

Among the many areas of concern that require further attention by the Office of Graduate Studies and others are the following, listed in random order:

Improvement of the quality of some doctoral dissertations in the College of Education.

The making of meaningful distinctions between the Ph.D. in Education and the Doctor of Education degrees, and the requirements therefor.

The approval of faculty for graduate instruction, particularly for the supervision of doctoral dissertations.

The doctoral residence policy, particularly as it applies to local technical/professional persons.

The use of graduate students to teach for graduate credit.

The whole issue of off-campus graduate instruction, including the

monitoring thereof.

The evaluation of graduate programs, with particular reference to how this is to be funded, and how it is to be related to academic planning.

The administration of the new policy on the suspension of graduate students, to serve both the interests of quality and individual fairness.

The relationship of the Dean of Graduate Studies to the Associate Provost for Research.

The chairing of the Senate Graduate Committee (faculty member or Graduate Dean).

The role of the Graduate Dean in the fiscal support of the Library.

The policy governing expenditures from the Graduate Office share of the Cost of Education Allowances received by the University.

(Note: During this year, 11 Graduate School Scholarships (\$600 each) were financed from this fund, and a total of \$12,756.40 was disbursed to a large number of graduate students from the Graduate Student Special Expense Fund, which draws from the COEA account; this latter operation was carried out with the fine cooperation of the Graduate Student Association's Research Allocation Committee, on a matching fund basis.)

The policy governing stipends for Teaching Assistants and Graduate Assistants, including the supplementation of such stipends with

non-service awards.

The automation of student records in the Graduate Office.

Increased cooperation with the Council of New Mexico Graduate Deans, particularly with respect to the development of new programs.

The improvement of minority group representation in the graduate school, not simply by offering more financial aid to existing minority graduate students, but by working with undergraduate colleges to expand the pool of minority students qualified for graduate school.

Continuation of the improvement already made in the organization and functioning of the clerical staff of the Graduate Office.

Maintenance of the graduate student counseling responsibility of the Office of Graduate Studies, an important function for Associate Deans.

C. Appointments to Staff.

Josephine Galloway, CSIV	9/8/80
Katy Ruhmkorff, Office Mgr(VII)	1/12/81
Marjorie Bigando, CSII	2/23/81
Janet Knop, Office Mgr (VII)	3/5/81
Gladys Turpin, CSIV	4/8/81
Kathy Carr, CSII	6/2/81

D. Promotion of Staff.

Eleanor Jane Brill, CSIV to Staff Asst.(VIII) 1/1/81

E. Separations from Staff.

Lilita Meirans, CSII	9/22/80
Connie Mora, CSIV	8/28/80
Mary Kohut, Office Mgr (VII)	9/5/80
Katy Ruhmkorff, Office Mgr (VII)	3/6/81
Marjorie Bigando, CSII	5/13/81
Josephine Galloway, CSIV	3/30/81

For further information regarding the operation of the Los Alamos and Santa Fe Graduate Centers, minority affairs of the Graduate Office, and the Graduate Student Association, see appendices of this report.

In closing, and upon leaving the Graduate Office, I would like to express my deep appreciation to all the members of the Graduate Office Staff for their fine work and excellent cooperation; it has been a genuine pleasure working with them. My special thanks, in long retrospective, go to Mary Kollander, Judy Whitlow and Shirley Earickson.

The twelve years I have devoted to the Office (including three and a half various years as Acting Dean!) have been very rewarding both personally and professionally, and I look forward to further service to the University of New Mexico and its principal raison d'etre: its students.

Respectfully submitted,



David T. Benedetti
Acting Dean of Graduate Studies

OFFICE OF GRADUATE STUDIES
ANNUAL REPORT
July 1, 1980 - May 31, 1981

TABLES AND FIGURES

- Table 1 Graduate Studies Enrollment Fall Semester, 1969-70 to 1980-81
- 2 Masters Level Enrollment
 - 3 Doctoral Level Enrollment
 - 4 Master's Degrees Awarded by Unit and by Year
 - 5 Doctoral Degrees Awarded by Unit and by Year
 - 6 Enrollment and Degrees Awarded
 - 7 Graduate Assistants, Teaching Assistants and Teaching Associates 1979-81
 - 8 Research Assistants and Project Assistants, 1980-81

Table 1. Graduate Student EnrollmentFall Semester, 1969-70 to 1980-81

<u>Academic Year</u>	<u>Enrollment</u>	<u>Change from Previous Year</u>	<u>Percentage Change</u>
1969-70	2,799	+ 134	+ 5.0 %
1970-71	3,210	+ 411	-14.7 %
1971-72	2,985	- 225	- 7.0 %
1972-73	2,909	- 76	- 2.5 %
1973-74	2,951	+ 42	+ 1.4 %
1974-75	2,923	- 28	- 0.95%
1975-76	3,289	+ 366	+12.5 %
1976-77	3,405	+ 116	+ 3.5 %
1977-78	3,470	+ 65	+ 1.9 %
1978-79	3,545	+ 75	+ 2.17%
1979-80	3,563	+ 18	+ 0.5 %
1980-81	3,657	+ 94	+ 2.64%

Table 2, MASTERS LEVEL ENROLLMENT

Colleges, Schools, Division	1976-77			1977-78			1978-79			1979-80			1980-81	
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
School of Arch & Plan	94	90	24	91	82	12	84	83		88	75	13		
College of Arts and Sciences														
American Studies									1				2	7
Anthropology	69	71	9	72	71	9	61	50	5	56	52	5	51	66
Biology	75	75	20	69	66	20	61	57	14	52	50	14	52	48
Chemistry	51	45	19	44	40	15	43	41	16	49	45	16	33	33
Communicative Dis	49	46	30	47	28	26	49	39	27	41	40	27	47	53
Comparative Lit	10	11	4	7	6	--	5	8	2	2	2	2	4	3
Economics	37	33	8	27	26	11	25	29	13	34	32	13	33	35
English	48	43	18	46	42	16	49	53	15	53	42	15	46	48
Geography	13	14	3	10	12	2	13	12	3	14	12	3	14	16
Geology	55	53	6	52	53	5	62	53	7	59	57	7	58	52
History	35	28	13	38	44	14	46	41	19	49	47	19	49	42
Latin American Stu	16	15	5	7	7	4	12	8	3	8	9	3	14	13
Linguistics	6	5	2	17	14	6	12	6	0	--	--	--	11	11
Mathematics & Stat	27	24	6	24	22	7	27	30	13	38	35	13	44	41
Modern Languages (total)	47	42	20	41	40	15	37	32	11	34	29	11	36	38
French	(13)	(10)	(5)	(8)	(11)	(4)	(9)	(8)	(2)	(9)	(11)	(2)	(11)	(13)
German	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Portuguese	(1)	(1)	(0)	(1)	(0)	(0)	0	(1)	(0)	(0)	0	(0)	(0)	(0)
Spanish	(33)	(31)	(15)	(32)	(29)	(11)	(28)	(23)	(9)	(25)	(18)	(9)	(25)	(25)
Philosophy	33	32	7	26	24	2	23	21	2	22	20	2	23	24
Physics & Astron	28	27	4	25	24	6	24	24	5	30	28	5	33	30
Political Science	15	10	7	13	13	3	15	12	6	11	11	6	12	12
Psychology	43	37	8	44	35	5	42	38	13	36	36	13	35	33
Sociology	20	15	1	16	16	5	11	13	7	18	15	7	22	15
Speech Comm	34	33	16	29	35	17	40	31	13	36	21	13	31	34
College of Education														
Art Education	36	46	26	43	39	23	34	37	19	39	35	19	33	25

TABLE 2.
MASTERS LEVEL ENROLLMENT (continued)

Colleges, Schools, Division	1976-77			1977-78			1978-79			1979-80			1980-81	
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
Ed'l Administration	87	77	81	89	73	69	78	71	55	61	70	55	81	90
Ed'l Foundations	33	40	24	41	36	19	31	26	27	40	49	27	226	208
Elementary Education	263	247	284	281	242	287	252	252	285	253	222	285	37	41
Guidance & Counseling	110	104	70	111	100	66	99	97	65	104	112	65	118	130
Hlth, Phys Educ & Rec	86	100	80	107	102	68	126	108	84	106	88	84	99	98
Home Economics	--	--	--	--	--	--	14	13	11	15	24	11	20	16
Sec & Adult Tchr Ed	199	184	197	197	190	151	192	163	152	160	157	152	159	134
Special Education	183	188	153	202	185	163	169	165	173	166	185	173	180	237
College of Engineering														
Chemical Engr	11	10	4	13	16	4	18	21	6	31	34	6	36	30
Civil Engr	43	42	12	45	46	13	32	41	12	35	40	12	41	40
Computer Science	37	36	16	33	33	12	48	44	10	40	52	10	55	60
Elec & Computer Engr	96	107	40	113	93	31	87	87	28	110	123	28	127	127
Mechanical Engr	25	24	11	29	26	8	35	35	9	44	46	9	50	44
Nuclear Engr	24	22	8	23	23	4	18	24	4	5	28	4	30	26
College of Fine Arts														
Art	85	85	26	96	81	13	91	98	21	107	96	21	117	104
Music	21	27	13	28	35	10	37	34	11	42	40	11	35	37
Music Education	4	--	2	2	1	5	2	1	0	1	1	0	3	1
Theatre Arts	--	--	--	9	9	3	5	5	0	9	8	0	6	6
College of Nursing	--	--	--	--	--	--	7	5	2	23	18	2	34	33
Division of Public Administration	149	164	108	191	216	120	272	246	106	223	246	106	219	223
Medical Sciences Prog	21	22	9	30	36	13	32	37	5	30	29	5	26	29
TOTAL	2318	2279	1394	2428	2282	1282	2420	2291	1280	2379	2361	1292	2382	2393

*Anderson Graduate School of Management administers its Masters degrees; figures to be reported in AGSM annual report.

TABLE 3. DOCTORAL LEVEL ENROLLMENT

Colleges, Schools Division	1976-77			1977-78			1978-79			1979-80			1980-81	
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
College of Arts & Sciences														
American Studies	72	67	23	48	38	16	43	38	14	45	44	14	46	40
Anthropology	26	21	4	22	29	4	36	39	3	40	38	3	38	35
Biology	27	23	4	22	26	4	36	35	14	38	33	14	40	37
Chemistry	21	23	7	19	20	7	20	18	5	18	21	5	26	20
Economics	17	13	1	7	11	2	12	13	4	15	18	4	19	15
English	35	30	4	25	22	5	27	26	11	24	23	11	24	22
Geology	13	13	--	10	9	2	12	15	3	13	10	3	11	5
History	53	57	12	45	54	12	42	38	10	36	36	10	38	40
Ibero-American Stu	10	11	6	11	11	1	9	11	1	12	9	1	15	15
Mathematics & Stat	25	20	4	14	19	5	21	22	3	22	24	3	20	16
Romance Languages	53	50	15	43	36	16	43	46	11	43	41	11	39	33
Philosophy	16	16	--	13	14	1	14	15	3	17	16	3	14	17
Physics & Astronomy	25	28	3	27	21	5	27	28	6	25	24	6	26	26
Political Science	1	8	8	6	6	-	8	6	0	8	7	--	7	7
Psychology	17	15	1	12	18	13	19	20	6	20	19	6	15	18
Sociology	--	--	--	7	5	4	9	9	4	12	11	4	11	11
Anderson School of Management	--	--	--	--	--	--	5	4	0	2	3	--	4	3
College of Education														
Art Education	3	3	--	3	4	3	6	7	4	6	7	4	3	7
Ed'l Administration	52	52	14	47	62	32	40	63	35	64	68	35	34	39
Ed'l Foundations	55	46	22	52	50	22	44	40	13	41	39	13	41	36
Elementary Educ	52	49	29	48	35	23	35	46	15	47	47	15	40	39
Guidance & Couns	40	39	21	39	40	22	42	39	20	51	41	20	43	39
Hlth Phys Educ & Rec	26	31	24	44	37	27	44	37	29	42	43	29	47	49
Sec & Adult Tchr Ed	54	60	26	47	55	19	31	47	28	42	40	28	35	39
Special Education	32	36	11	33	33	24	26	43	24	40	41	24	33	37

TABLE 3.
DOCTORAL LEVEL ENROLLMENT (continued)

Colleges, Schools Division	1976-77			1977-78			1978-79			1979-80			1980-81	
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
<u>College of Engineering</u>														
Chemical Engr	4	3	--	4	3	2	5	6	1	7	8	1	8	8
Civil Engr	11	14	1	15	12	1	10	14	5	10	11	5	9	9
Elec & Computer Engr	33	32	--	29	33	4	28	25	8	24	29	7	24	25
Mechanical Engr	8	6	--	7	9	1	10	8	1	12	11	1	13	7
Nuclear Engr	12	10	4	13	14	6	13	12	3	1	12	3	12	12
<u>College of Fine Arts</u>														
Art	31	29	2	25	36	2	33	29	7	29	30	7	29	31
Music	--	--	--	--	--	--	--	--	0	--	--	--		
<u>Medical Sciences</u> Program														
	14	10	3	11	12	3	12	11	1	17	16	1	33	16
TOTAL	838	815	249	748	779	288	762	810	292	823	820	291	797	753

TABLE 4. MASTER'S DEGREES AWARDED BY UNIT AND BY YEAR

DEPARTMENTS BY COLLEGES DIV/PROGRAM	1927 thru 1957	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	
American Studies																									1	
ARCH & PLAN																6	7	13	10	23	20	21	18	19	13	16
ARTS & SCIENCES																										
Anthropology	56	2		4	2	2	1	7		2	7	9	6	14	17	9	13	13	4	8	19	14	15	9	12	
Biology	104	11	4	5	8	12	7	12	6	11	14	18	21	17	18	18	15	17	19	11	23	15	16	12	7	
Chemistry	24	1	2		1	1	2	6	1	6	3	9	2	4	1	10	9	6	7	3	4	10	7	9	11	
Comm. Dis.																	3	19	20	11	21	18	20	16	14	
Comp. Lit								1		1	1			3	1	2	2	1			2	2		1	3	
Economics	40	1	3	4	2	2		1	3	1	6	7	8	5	3	7	11	6	3	3	6	5	4	3	6	
English	137	6	7	4	6	5	6	6	17	21	23	17	23	12	20	14	19	10	10	12	4	14	7	5	3	
Geography																4	3	5	3	2	3	2	2	--	2	
Geology	54	11	7	13	11	9	6	5	4	2	6	9	8	7	5	7	8	5	11	9	6	13	12	10	14	
History	112	2	6	3	7	12	7	10	13	15	11	19	14	15	13	21	16	11	4	6	8	3	3	11	3	
Inter Amer Aff	24	1	1	2		2																		--		
Lat Amer Stu							3	3	3	1	3	4	16	7	14	9	10	8	10	8	7	9	4	6	5	
Linguistics																					1	2	2	1	5	

TABLE 4. MASTER'S DEGREES AWARDED BY UNIT AND BY YEAR (Continued)

DEPARTMENTS BY COLLEGES DIV/PROGRAM	1927 thru 1957	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
Math & Stat	44	1	2	2	6	3	4	5	8	11	3	22	13	10	17	14	19	6	3	7	7	4	7	5	7
MOD & CLASS LANGUAGES																									
Latin	2								1	2	1	5	3	9	9	4	9	3		2	4	2			0
French																								1	0
Spanish	116	5	3	6	3	4	2	5	9	12	10	16	6	15	8	12	7	7	4	6	3	1		3	2
Portuguese							2	1	3		3				3				2		1	1			0
ARTS & SCIENCES																									
Philosophy	4			2	3			1	2	3	4	4	3	7	4	5	5	2	4	3	5	11	3	2	0
Physics & Astr	33	3	8	4	12	14	13	10	6	8	10	7	12	9	11	6	9	11	2	2	3	6	6	5	6
Political Sci	59	2	2	2	3		2	4	2	2	3	3	8	5	6	5	2	3	4	1	5	6	1	4	1
Psychology	72	5	4	2	3	5	3	1	6	4	9	8	6	4	4	9	7	4	9	8	10	14	9	8	5
Sociology	20		1	1	1	1				1	3	1	1	3	2	4	4	5	4	6	1	3	2		0
Speech Comm	15	2	1	3	4	2	3	2	4	7	11	12	11	14	21	18	11	7	5	19	12	14	14	11	14
ANDERSON SCHOOL OF MANAGEMENT	11	4	4	1	3	5	4	9	9	8	28	30	20	25	29	27	28	52	52	45	47	46		91	
Industrial Admin							1	2	2		2	1	1	1				6		15	2	**		**	
COLLEGE OF EDUC																									
Art Education	43	4		4		1	1		4	4	8	3	7	8	9	18	20	23	9	14	22	19		12	8

TABLE 4. MASTER'S DEGREES AWARDED BY UNIT AND BY YEAR (Continued)

DEPARTMENTS BY COLLEGES DIV/PROGRAM	1927 thru 1957	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	
Educ'l Admin	339	16	15	20	21	21	21	23	23	28	35	36	21	16	11	21	18	9	10	18	33	19	17	24	38	
Educ'l Fdns															5	9	5	7	7	6	13	13	8	12	13	
Elementary Educ	59	5	18	12	6	9	9	9	13	21	23	33	39	56	31	60	59	76	77	87	76	87	72	81	76	
General Educ	120	1		1																						
Guidance & Couns		7	19	9	12	23	19	26	26	26	43	42	61	55	65	83	71	85	59	80	59	56	46	43	38	
HEALTH, PHYS ED & REC																										
Health Educ															2	3	2	3	7	8	7	11	5	11	9	
Physical Educ	30	6	8	6	4	8	11	10	8	12	17	18	19	12	18	12	14	13	13	8	11	22	11	17	18	
Recreation							2			4	3	2	4	4	1	5	13	8	10	6	15	11	16	10	8	
Home Economincs																							6	5	7	
Secondary Educ	85	10	8	9	6	9	3	9	7	4	13	17	27	26	20	40	48	46	38	59	32	34	63	67	59	
M. Educ Sci				14	6	8	31	24	39	30	18	20	4													
Tch Bus Subj												2	4	11	4	6	6	4	4	6	8	6				
Tch English															9	10	1	2		6	1					
Tch Home Ec												4	6	3	6	5	8	6	6		5	2				
Tch Indus Subj												4	3	5	5	5	7	7	4	7	6	4				
Tch Math												1	7	16	10	7	28	9	12		3					
Tch Science												1	7	3	7	6	1	4	5		1					
Tch Spanish				8	6	10	21	9	14	16	8	8	1	6	3	7	8	3	4		7	1				

* Commencing Fall 1978, the MA in Home Economics is awarded under the jurisdiction of the Home Economics Department.

TABLE 4. MASTER'S DEGREES AWARDED BY UNIT AND BY YEAR (Continued)

DEPARTMENTS BY COLLEGES DIV/PROGRAM	1927 thru 1957	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
Special Educ												6	16	25	39	37	33	50	56	38	61	60	67	64	64
COLLEGE OF ENGR																									
Chemical Engr				1	4		1		1	4	2		1		6	3	2	2	1		2	5	3	5	14
Engr Sci Mtls										1	1	2		2	1			3	1						
Civil Engr	23	6	5	6	7	8	7	7	11	12	12	15	13	10	15	10	6	7	13	9	12	13	15	20	14
Computer Sci																		3	3	3	4	10	8	10	10
Elec & Comp Engr	31	11	11	12	23	56	40	58	58	32	31	30	35	34	22	36	29	39	30	36	29	25	35	28	30
Mech Engr	18	7	10	11	15	27	28	23	26	5	26	15	25	18	20	19	8	3	4	9	7	8	1	18	23
Nuclear Engr						6	5	7	3	8	6	3	9	11	9	9	14	6	17	9	7	7	10	10	8
FINE ARTS																									
Art	52	9	4	4	6	5	9	7	6	6	14	13	24	15	11	15	14	18	24	20	18	29	13	31	31
Music	27			1	2	3	3	1	5	7	6	5	4	2	3	5	6	9	6	7	2	8	9	8	7
Music Educ	1	4	4	6	3	5	5	9	4	7	7	3	8	10	7	1	5		3	5		1	1	3	0
Theatre Arts																								1	2
Division of Public Adminis														13	17	36	33	30	35	32	57	65	74	81	70
Medical Science Program																			4		1	2	1	6	9
COLL. OF NURSING																								4	4
TOTAL	1755	143	157	182	196	278	282	313	347	345	434	484	527	547	568	680	682	693	665	680	724	751	634	797	697

TABLE 5. DOCTORAL DEGREES AWARDED BY UNIT AND YEAR

DEPARTMENTS BY COLLEGES DIV/PROGRAM or by name of degree	1927 thru 1957	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
ARTS & SCIENCES																									
American Studies	3	3	2		1	1			1	1	2	1	3	4	1	6	5	10	4	12	6	9	4	5	8
Anthropology	9	2		1			3					1	3	4	2	1	2	3	3	5	4	2	5	6	4
Biology	7	2	1			1	1	1	2	1	1	1	5	2	4	3	10	8	5	4	5	2	3	10	6
Chemistry	22	4	6	2	4	7	3	3	4	2	6	6	3	6	6	6	4	5	2	8	5	9	10		9
Economics															1	1	2	1	2	3	4	2	2	3	3
English	9	3	3	2	4	1	2	1	2	3	7	12	16	11	7	14	18	11	9	9	12	4	3	5	2
Geology						2	1	1	2	3	4	2	3	3	4	9	2	2	2	3	3	1		9	3
History	18				4	4	3	3	8	6	6	3	7	18	17	17	11	12	11	15	11	6	9	4	4
Iber-Amer Stu							1			1	1	2	3	3		3	5	4	1	2			2	1	0
Mathematics						1	2	2	4	1	5	6	7	10	7	9	9	5	5	5	6	6	1	3	7
Physics	6			1	2	3	2	2	4	2	4	8	2	2	5	1	6	4	7	1	3	8	3		5
Philosophy														1	1	3	1		1	2		1	1	1	0
Political Sci																	2	3	2	1	1	1		2	0
Psychology						1			1	2	5	8	12	8	6	5	13	4	7	9	7	6	6	12	

TABLE 5. DOCTORAL DEGREES AWARDED BY UNIT AND YEAR (Continued)

DEPARTMENTS BY COLLEGES DIV/PROGRAM or by name of degree	1927 thru 1957	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
Romance Lang														6	7	4	4	5	7	3	8	6		3	10
Spanish	11	2	1	1	2			1	1		3		2			4									
COLLEGE OF EDUC																									34
C & I						2	1	1	5	5	4	9	18	25	22	26	32	30	20	12	19	14		29	
Educ Admin				2	1	1			3	2	8	4	10	8	3	4	8	7	2	5	5	4	5	5	
Educ Found												2	2	4	5	6	3	9	7	7	5	8	7	7	
General Educ					3		2																		
PPS							1	2	4	5	2	4	5	14	9	22	6	17	15	8	10	5		10	
COLLEGE OF ENGR																									
Chemical Engr									1					1	1	1	1	2	1		1		1		0
Civil Engr										1		2	3	3	5	4	3	1	3	1		2	2	1	1
Elec & Comp Engr					2	4	5	4	3	10	7	10	3	5	7	7	7	6	9	3	4	1	3	3	2
Mech Engr									3	3	2	5	2	1	2	4	3	1	4	3	4	1			0
Nuclear Engr										2	1	1	1	3	4	2	1	2		2	2		6	3	1

TABLE 5. DOCTORAL DEGREES AWARDED BY UNIT AND YEAR (Continued)

DEPARTMENTS BY COLLEGES DIV/PROGRAM or by name of degree	1927 thru 1957	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
COLLEGE OF FINE ARTS																									
Art History														2			1	2	1		2			2	1
Med Sci Program													1	3	1			3	2	1	6	5	3	3	3
AND SCH OF MGMT																								1	0
TOTAL	85	16	13	9	23	28	27	21	48	48	65	84	106	146	129	163	152	166	129	122	135	104	76	122	115
MASTER OF FINE ARTS										1	2	1	2	1	4	3	2	4	6	4	4	1		2	7

Graduate
Enrollment

Masters Degrees
(--M--)
Doctoral Degrees
(--D--)

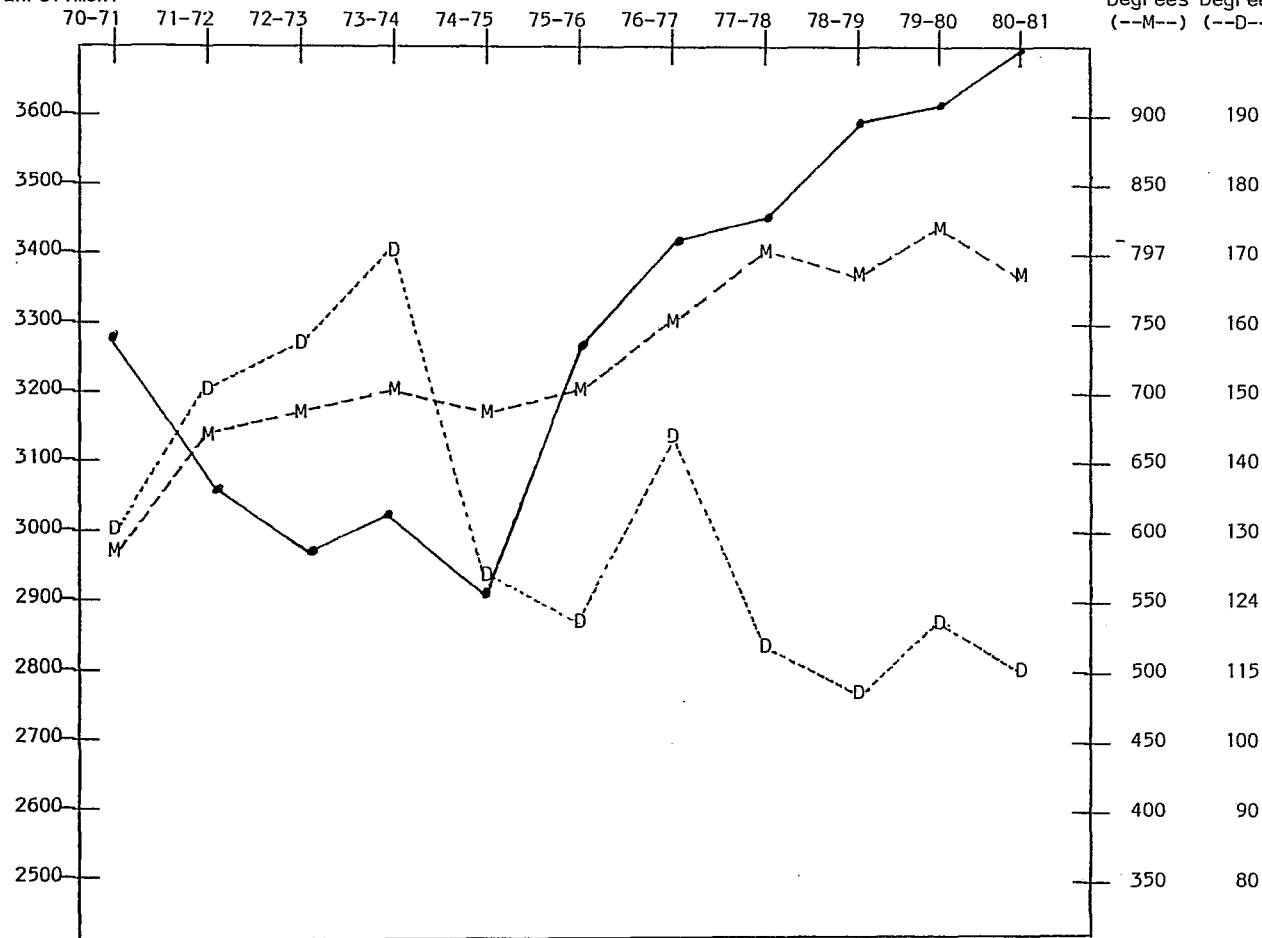


Table 6. ENROLLMENT & DEGREES AWARDED

Table 7. Graduate Assistants, Teaching Assistants
and Teaching Associates, 1979-81

Colleges, Schools, Division	Fall 1979	Spring 1980	Summer Session 1980	Fall 1980	Spring 1981
<u>School of Architecture&Planning</u>	11	11	1	1	7
<u>College of Arts & Sciences</u>					
American Studies	2	2	0	0	2
Anthropology	11	11	5	3	9
Biology	43	42	14	26	37
Chemistry	31	27	13	15	22
Communicative Disorders	3	3	1	1	2
Economics	15	14	1	9	11
Geography	3	3	0	1	4
Geology	19	20	1	11	15
History	19	20	0	12	15
Ibero-American Studies	2	2	0	0	0
English	52	44	11	41	43
Latin American Studies	0	0	0	1	0
Linguistics	1	0	8	1	1
Mathematics & Statistics	23	26	14	19	23
Modern & Classical Languages	43	38	19	33	38
Philosophy	5	6	0	5	5
Physics & Astronomy	21	19	1	13	14
Political Science	6	7	1	3	7
Psychology	18	18	1	0	15
Sociology	5	7	1	6	7
Speech Communication	5	5	4	1	6
<u>Total</u>	<u>327</u>	<u>314</u>	<u>95</u>	<u>201</u>	<u>276</u>
<u>Anderson School of Management</u>	27	24	0	10	22
<u>College of Education</u>					
Art Education	4	3	4	2	2
Educational Administration	5	5	1	4	5
Educational Foundations	8	10	4	6	7
Elementary Education	8	14	13	11	19
Guidance & Counseling	4	4	3	0	3
Health, Phys Educ & Rec	34	31	17	10	32
Home Economics	1	1	0	1	1
Secondary & Adult Teacher Educ	15	14	3	10	13
Special Education	3	4	0	1	3
<u>Total</u>	<u>82</u>	<u>86</u>	<u>45</u>	<u>45</u>	<u>85</u>

Table 7. Graduate Assistants, Teaching Assistants
and Teaching Associates, 1979-81 (continued)

<u>Colleges, Schools, Division</u>	<u>Fall 1979</u>	<u>Spring 1980</u>	<u>Summer Session 1980</u>	<u>Fall 1980</u>	<u>Spring 1981</u>
<u>College of Engineering</u>					
Chemical and Nuclear Engr	4	6	0	0	3
Civil Engineering	6	7	0	3	4
Computer Science	5	5	11	2	4
Electrical & Computer Engr	18	18	1	5	15
Mechanical Engr	6	7	0	5	7
<u>Total</u>	<u>39</u>	<u>43</u>	<u>12</u>	<u>15</u>	<u>33</u>
<u>College of Fine Arts</u>					
Art	45	44	9	1	34
Music/Music Education	11	10	0	9	10
Theatre Arts	3	2	0	2	3
<u>Total</u>	<u>59</u>	<u>56</u>	<u>9</u>	<u>12</u>	<u>47</u>
<u>Medical Sciences Program</u>					
Physiology	0	0	0	0	0
<u>College of Nursing</u>	<u>2</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>Division of Public Administration</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>
<u>Other</u>					
Afro-American Studies	1	0	0	0	1
Chicano Studies	0	1	0	0	0
English Tutorial Program	12	10	11	6	6
Undergraduate Seminar Program	0	0	0	0	1
Women Studies	2	1	0	0	1
<u>Total</u>	<u>15</u>	<u>12</u>	<u>11</u>	<u>6</u>	<u>8</u>
<u>GRAND TOTAL</u>	<u>566</u>	<u>552</u>	<u>177</u>	<u>290</u>	<u>482</u>

Table 8. Research Assistants and Project Assistants, 1980-81

Colleges, Schools, Division	Summer Session					
	1980		Fall 1980		Spring 1981	
	RA's	PA's	RA's	PA's	RA's	PA's
School of Architecture	0	0	0	0	0	0
College of Arts & Sciences						
American Studies	0	0	0	0	0	0
Anthropology	0	0	0	0	0	0
Contract Archaeology	0	0	0	0	0	0
Maxwell Museum	0	0	0	0	0	0
Biology	28	0	3	0	3	0
Chemistry	13	0	5	0	8	0
Communicative Disorders	0	0	0	0	0	0
Comparative Literature	0	0	0	0	0	0
Economics	21	0	0	0	0	0
English	0	0	0	0	0	0
Geography	0	0	0	0	0	0
Geology	10	0	19	0	19	0
Institute of Meteoritics	3	0	4	0	4	0
History	0	0	0	0	0	0
Historical Review	0	0	0	0	0	0
Ibero-American Studies	0	0	0	0	0	0
International Relations	0	0	0	0	0	0
Latin-American Studies	0	0	1	0	1	0
Linguistics	1	1	1	0	1	0
Mathematics & Statistics	1	0	2	0	2	0
Modern & Classical Languages	0	0	0	0	0	0
Philosophy	0	0	0	0	0	0
Physics & Astronomy	5	0	1	0	1	0
Political Science	0	0	0	0	0	0
Psychology	7	0	1	0	1	0
Sociology	0	0	0	0	0	0
Speech Communication	2	0	1	0	1	0
Total	91	1	38	0	41	0
College of Education						
Art Education	0	0	0	0	0	0
Educational Administration	0	0	0	0	0	0
Educational Foundation	0	0	0	0	0	0
Elementary Education	2	0	0	1	0	1
Guidance & Counseling	0	0	0	0	0	1
Health, Phy Educ & Rec	0	0	2	0	3	0
Home Economics	0	0	0	0	0	0
Secondary & Adult Teacher Ed	0	0	0	0	0	0
Special Education	0	0	0	0	1	0
Manzanita Center	0	0	0	0	0	0
Total	2	0	2	1	4	2

Table 8. Research Assistants and Project Assistants, 1980-81 (continued)

College, Schools, Division	Summer Session					
	1980		Fall 1980		Spring 1981	
	RA's	PA's	RA's	PA's	RA's	PA's
College of Engineering						
Chemical & Nuclear Engr	0	0	0	0	0	0
Civil Engineering	0	0	0	0	0	0
Computer Science	0	0	0	0	0	0
Electrical & Computer Sci	0	0	0	0	0	0
Mechanical Engineering	0	0	0	0	0	0
Bureau of Engr Research	46	5	0	0	1	0
Civil Engr. Research Facility	0	3	0	2	0	2
Total	46	8	0	2	1	2
College of Fine Arts	0	0	0	0	0	0
Medical Sciences Program						
Anatomy	0	0	0	0	0	0
Biochemistry	0	0	1	0	1	0
Medicine	0	0	0	0	0	0
Microbiology	5	0	3	0	4	0
Minority Biomedical Sci Prog	14	0	3	0	0	0
Pathology	3	0	2	0	4	0
Pharmacology	0	0	0	0	0	0
Clinical Nutrition Program	0	0	0	0	0	0
Physiology	0	0	0	0	0	0
Psychiatry	0	0	0	0	0	0
SOM Student Affairs	0	0	0	0	0	0
Total	22	0	9	0	9	0
Division of Public Administration	0	0	0	0	0	0
Other						
Albuq. Urban Observatory	0	0	0	0	1	0
Bureau of Bus & Econ Res	4	0	5	0	5	0
Research Administration	0	1	0	0	0	0
Research Fellowship	0	0	0	0	0	0
School of Law	0	0	0	0	0	0
Institute of Public Law	0	0	0	0	0	0
Testing Division	0	0	0	0	0	0
University Architect	0	0	0	0	0	0
Total	4	1	5	0	6	0
GRAND TOTAL	165	10	54	1	61	4

ANNUAL REPORT OF THE CENTER
FOR GRADUATE STUDIES AT LOS ALAMOS
July 1, 1980 - June 30, 1981
Shyam H. Gurbaxani - Resident Director

I. HIGHLIGHTS:

As mentioned in the last annual report progress was made in establishing new academic programs - though not with 100% success. Representative courses in two of the three areas mentioned in the last report were well received. These two multi-disciplinary Master's level concentrations are: (i) Materials Science/Radiation Effects and (ii) Energy Policy/Administration. The third multi-disciplinary concentration, Optoelectronics/Laser Physics is now at a point that it could be surveyed at LANL with the assistance of the Institute for Modern Optics and relevant campus academic departments and LANL programmatic staff.

During the past five years, a record number of degrees (87) were earned at the Graduate Center. Of these 34 were in 4 new disciplines (not available before at LAGC). Nurtured for four years, the Medical Science program produced its first three graduates this year. This program was specifically designed by Professor Wm. Gale (Medical School) and Shyam Gurbaxani (LAGC Director) to meet the local academic needs at Los Alamos utilizing synergetically available facilities and course offerings.

The algorithm linking the Graduate Center plans and programs to the not-to-exceed budget was developed and formalized during the past four years to more accurately forecast the Graduate Center costs (see figure II). This allowed a steady increase in the contract budget from \$166K to \$268K in four years. The cost per student credit hour still remains below that for similar (graduate) courses offered on the main campus, however.

With the establishment of the UNM undergraduate branch college at Los Alamos (offering freshman, sophomore, continuing education and vocational courses) the Graduate Center was relocated at the branch for sharing common clerical and/or administrative matters.

II. RESEARCH

The trend set three years ago to publish research conducted by the faculty, administration and students of LAGC continued. It appears that research performed jointly by UNM faculty and LANL staff will be more closely categorized as to whether it falls within graduate education or not. The purpose being to establish distinct channels of administration and control. The following research papers, etc. were accepted for publication nationally.

- (1) "Digital Enhancement and Analysis of TEM Plates", W. Sommer et al., accepted for publication in Jour. Nucl. Matter.
- (2) "On the Effectiveness of Charged Wire Structures for Reducing Electron Backscatter in System Generated EMP Simulators", Shyam H. Gurbaxani, et al., accepted for publication in IEEE. Transaction on Electromagnetic Compatability.
- (3) "An Experimental Determination of the Effect of Void Formation in Aluminum during Simultaneous 800 Mev Proton Irradiation," Walt Sommer, et al., at 110th AIME Annual Meeting in Chicago.
- (4) "The Los Alamos Graduate Center," Shyam H. Gurbaxani, N.M. Engineer, NMSPE Publication, Vol. 32, No. 2, pp. 10-11, March, 1980.

III. INSTRUCTIONAL STATISTICS

The customary figures I, II and III indicate the academic enrollments and cost figures. This year, 537 students enrolled in 50 formal and 36 individualized courses from 33 UNM and 28 adjunct faculty members. And finally,

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the following LANL employees availed themselves of the year round availability of the director in conducting research and individualized problems in the area of Electrical Engineering, Laser Physics, Computer Engineering, Numerical Techniques and Molecular Chemistry:

- (1) Ph.D. Dissertation by Robert J. Bartholomew ("Q" Division)
- (2) Ph.D. Dissertation by R. David Sachs (formerly of "MP" Division)
- (3) Master's Thesis by Stephen Hackenberry (formerly of "L" Division)
- (4) Master's Thesis by Phillip Seegar ("MP" Division)
- (5) Research and Individual Problems and Masters Comprehensive Examinations:

Carmel Spirio - ("E" Division) - M.S. Comprehensive

Elise Lee - ("Q" Division) - M.S. Comprehensive

George Krausse - ("MP" Division) - Research in Pulse Power

Ivan Iverson - ("MP" Division) - Research in Computer Techniques

Professor Gurbaxani completed five years as director and Professor McLaughlin was appointed to succeed him.

THE CENTER FOR GRADUATE STUDIES
LOS ALAMOS

Figure I - Annual Statistics

Academic (Fiscal) Year	1976 - 1977		1977 - 1978		1978 - 1979		1979 - 1980		1980 - 1981	
Semesters	Summer & Fall	Spring	Summer & Fall	Spring	Summer & Fall	Spring	Summer & Fall	Spring	Summer & Fall	Spring
Registration:										
Dissertation (Ph.D.)	5	4	5	4	4	4	4	2	4	4
Thesis	1	2	2	3	7	4	6	8	6	2
Problems (Indv. Study)	9	5	19	9	20	18	17	19	28	8
Graduate Courses	162	97	294	162	161	185	164	177	168	112
Undergraduate Courses	183	154	98	113	243	155	210	167	220	89
(Junior & Senior level)										
SEMESTER TOTALS	360	262	418	291	435	366	401	373	426	215
YEARLY TOTALS	622		709		801		774		641	
Credit Hours*	987	748	1228	842	1315	1013	1180	1087	1240	676
YEARLY TOTALS	1735		2070		2328		2267		1916	
Individuals Enrolled:	274	206	304	216	342	266	310	289	352	185
YEARLY TOTALS	480		520		608		599		537	
Cost paid UNM	80775	70447	86049	65920	103013	93143	120947	98011	123825	131451
Academic (Fiscal Year)	151222		151969		196156		218958		255276	
Cost Per Credit Hours	81.84	94.18	70.97	78.29	78.34	91.95	102.49	90.17	99.86	194.45#
Academic (Fiscal Year)	87.16		73.42		84.29		96.58		133.23#	
Number of Courses - Offered	26	20	33	23	30	28	26	34	34	26
- Given	25	19	33	21	26	26	25	30	30	20
AVERAGE COURSE ENROLLMENT**	14.3	13.2	12.5	13.1	16.0	13.1	15.0	11.5	13.5	11.0

* Credit Hour Equivalent used for registration as an auditor, Thesis or Dissertation

** These figures are for the fall and spring semesters only, and do not include registrations during the summer Session or in Dissertation, Thesis, or Problems.

Includes secretarial services, Ross Aviation travel, classroom rentals, etc. per new contract.

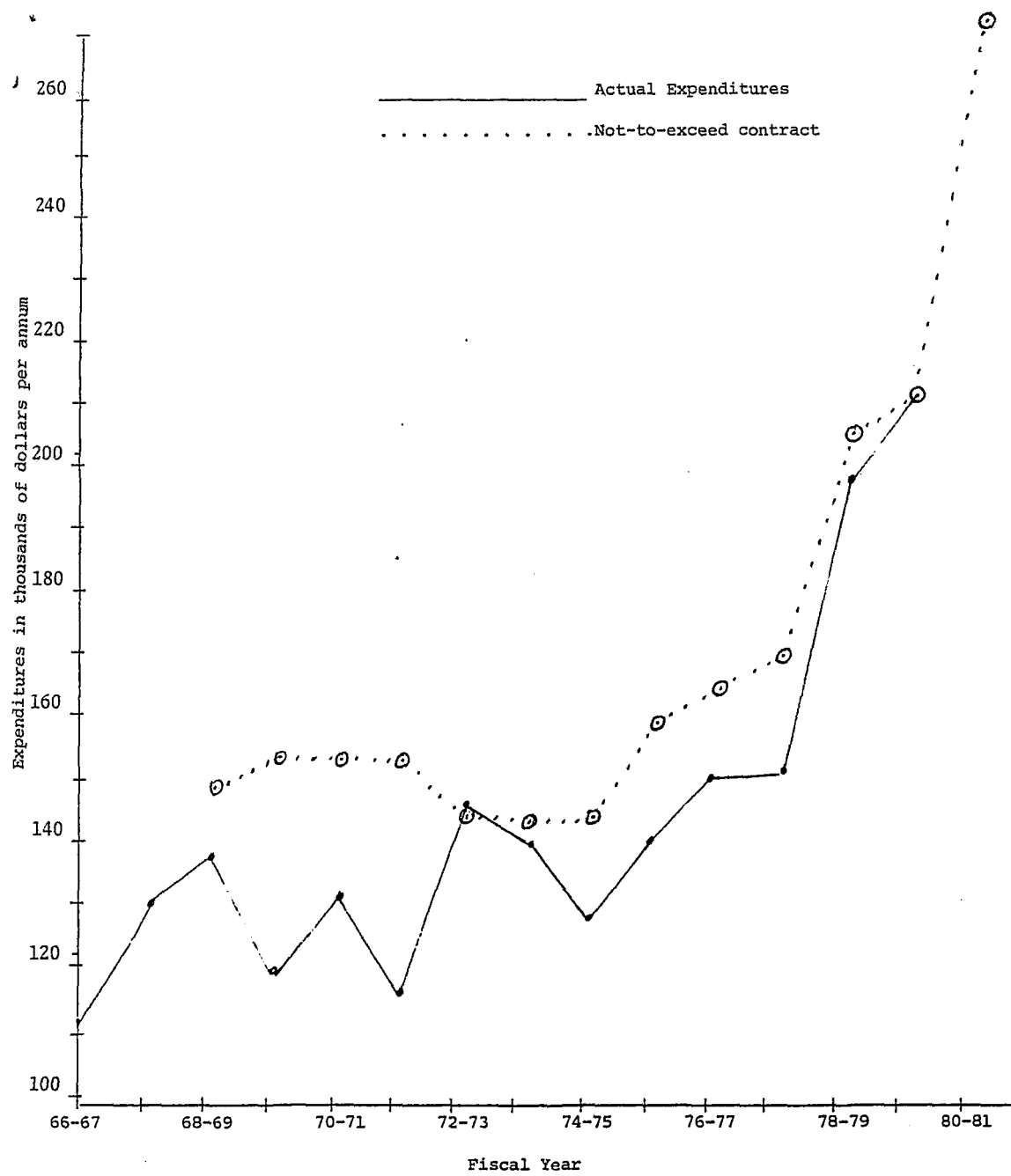


Figure II - Fiscal Profile

THE CENTER FOR GRADUATE STUDIES
LOS ALAMOS

Figure III - Degree Recipients

The numbers of University of New Mexico graduates who have taken significant course work toward their degrees in the LASL Academic Training Program are tabulated below. Most Ph.D.s participated in both the LASL's Advanced Study Program to satisfy residence requirements on campus, and in the Graduate Thesis Program to complete their Dissertation.

FIELD		1954- 1973	1974	1975	1976	1977	1978	1979	1980	1981	TOTAL
B.A.	Biology	1	-	-	-	-	-	-	-	-	1
or	Chemistry	5	-	-	-	-	-	-	-	-	5
B.S.	Engineering:										
	Computer Science	-	-	-	-	-	-	-	1	-	1
	Electrical & Computer Engr.	8	4	2	-	2	1	3	1	-	21
	Mechanical	1	-	-	-	2	4	-	1	-	8
	Math. & Statistics	9	-	-	-	1	-	1	-	-	11
	Physics	2	-	-	-	-	-	-	-	-	2
	University Studies	-	-	-	-	1	-	-	-	1	2
											(51)
MBA	Business Administration	-	-	-	-	-	-	6	10	4	20
M.A.	Chemistry	9	-	-	-	-	1	-	-	-	10
or	Engineering:										
M.S.	Chemical & Nuclear	47	-	-	-	-	2	2	-	1	52
	Computer Science	-	-	-	-	-	1	1	3	3	8
	Electrical & Computer Engr.	27	9	8	2	7	6	3	5	4	71
	Mechanical	18	-	-	-	-	-	-	1	-	19
	Engr. Sci of Materials	8	-	-	-	-	-	-	-	1	9
	Math & Statistics	6	-	-	1	-	-	-	-	-	7
	Medical Science (Physiology)	-	-	-	-	-	-	-	-	3	3
	Physics	28	2	-	-	-	-	1	-	-	31
											(230)
Ph.D.	Chemistry	18	-	-	1	-	-	-	-	-	19
	Engineering:										
	Electrical & Computer Engr.	3	-	-	-	1	-	-	-	-	4
	Mechanical	4	-	-	-	-	-	-	-	-	4
	Nuclear	4	-	-	-	-	-	-	-	-	4
	Math & Statistics	2	1	-	1	-	-	-	-	-	4
	Physics	14	-	2	-	-	-	2	-	-	18
											(53)
T O T A L S		214	16	12	5	14	15	19	22	17	334

THE UNIVERSITY OF NEW MEXICO
CENTER FOR GRADUATE STUDIES AT SANTA FE

ANNUAL REPORT

July 1, 1980 - June 30, 1981

Vera John-Steiner, Ph.D.
Director

During the academic year 1980-81 the Santa Fe Graduate Center has consolidated its programs and initiated some new programatic and service activities. Fall 1980 enrollment was low, but spring semester showed an increase due to popularity of course offerings and increased participation on the part of the students.

Center Staff

Dr. Henry Pepe, Associate Professor, was acting director for the 1979-80 academic year and for the summer session of 1980. Dr. Vera John-Steiner, Professor in the Department of Educational Foundations and Linguistics, assumed directorship in August 1980. Mrs. Anne Burrage, administrative assistant of the Center, succeeded Mrs. Marie Peterson June 1, 1980. Ms. Theresa Clarkson joined the staff at the Center as part-time secretary-receptionist in September 1980. The staff works well together in performing their duties and assuming increasing responsibilities. Mrs. Burrage has been asked by the Assistant University Accounts Director to assume responsibility of our bookkeeping in Santa Fe. Ms. Clarkson's knowledge of graphic design has enhanced the appearance of our printed schedules of course offerings at the Center. The physical appearance of the office facility has been improved and, consequently, is now being used more by students and faculty.

Administrative Procedures

The administrative procedures, established by Dr. Alan Reed, director of the Center from 1975-79, continued to work very well. Procedures for enrollment, scheduling of classroom space, UNM departmental program offerings, faculty assignments, faculty contracts, etc., are well established. In addition, a new accounting system was initiated at the Center in spring 1981. In all phases of responsibility, the main campus administration, Provost Hull and Associate Provost Sanchez, Deans Benedetti and McDermott have assisted the director and the staff in assuring a smooth transition.

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As the routine procedures are working very effectively, we are focusing attention toward becoming better known in Santa Fe and Northern New Mexico (see below) and to be more responsive to student requests for courses; e.g., when student demand for recertification courses in "reading at the secondary level" came to our attention, we were able to offer a second session on very short notice.

Enrollment

In the 1979-80 Annual Report, Dr. Pepe has mentioned, "Because of budget limitations, there will be little or no increase in course offerings during the next academic year..." This prediction proved accurate, particularly for the fall of 1980. Several steps have been taken, however, to improve enrollment. A course with very low enrollment was cancelled, which allowed us to offer a second session of a much needed course as described above. The Director has met with department chairpersons and explained to them ways in which they can assist the Center in improving enrollment figures during a period of budget restrictions. This procedure consists of offering an increased number of courses that appeal to students in various programs; e.g., Guidance and Counseling Interviewing Skills. With high enrollment in courses of this kind, it is easy for us to meet highly specialized offerings for students who are completing their degree programs. Our objective is still to have an average enrollment from 18-20 students per course (enrollment tables attached).

Program Development

Total course offerings in the 1980-81 academic year were forty-three (43) as opposed to forty-six (46) in the 1979-80 academic year. No new programs were initiated in 1980-81; however, the Senate Graduate Committee approved a policy of offering teacher recertification courses in addition to courses leading to the Master's degree. This policy allows us great flexibility in a period of

program maintenance and stabilization. A new program of courses in Elementary Education, which will emphasize mathematical education and bilingual education, is now under discussion. We have been aware for a long time that there is a great need for a full-scale Master's in Elementary Education, and we see this as an important addition to the Center's current offerings. The following are some additional comments concerning departmental offerings.

1. Public Administration. Pub. Adm. continues to be a strong department at the Graduate Center. However, there has been a decrease in enrollment in a number of courses. We have recommended that the department offer new courses, particularly in the area of public health. With the appointment of the new director, we foresee a period of program development in this area during the coming year.

2. Guidance and Counseling. The G&C department has admitted eight Santa Fe residents to their Master's program, which is now delivered in its entirety through the Santa Fe Graduate Center. These students are now entering their second year of study and a specially designed Practicum will be offered to them in the fall of 1981. As the program is very popular, we hope to initiate a new cycle of admission every two years.

3. Secondary and Adult Teacher Education. SATE is offering a number of courses in the area of reading, which lead primarily to recertification. These courses are well attended. The program in Adult Education is a rather small one. However, as there is an interest in education at the junior college level in Northern New Mexico, we see this as a program worth maintaining.

4. Special Education. Special Ed. has a strong program in learning disabilities. Enrollment has been consistent with the exception of spring 1981, when two courses were scheduled by the department for the same evening. Interest in this program is high and many local students plan to combine Special Education with the new Elementary Education Master's program, which is now under discussion.

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5. History. The History department has offered one course per semester (fall and spring). Interest in these courses has remained high as it provides an important elective for Public Administration students.

6. Educational Foundations. In addition to the department's research courses, the Director offered a Seminar in Language Acquisition in the fall, which was well attended. There will be additional course offerings from this department, including Ed. Fdn.-474, a Test and Measurement course required in the Guidance and Counseling program.

7. Educational Administration. This department has been unable to deliver two courses per semester as it has many commitments in other parts of the State. The student demand continues to be great in this area, and we would like to be able to offer more courses in the future.

8. Elementary Education. Diagnostic and Prescriptive Reading was offered in the summer and spring semesters of 1980-81. These courses have had a high enrollment as they are needed for teacher recertification. The Elementary Education Department is planning to expand its offerings at the Center, a development which we welcome.

9. Political Science. In the fall of 1980, due to low enrollment, we cancelled their course. During the spring semester 1981 the course offered by the Political Science Department had adequate enrollment. (We count on these courses as well as History and Speech Communication as important electives for students in Public Administration and College of Education.) Course enrollment has improved since 1979-80.

10. Anderson Graduate School of Management. AGSM has discontinued their program at the Graduate Center due to low enrollment.

11. Civil Engineering. No courses currently taught at the Graduate Center.

12. Sociology. This department is interested in offering more courses at the Center. A program in criminal justice is currently under discussion with the State Corrections Department and the University. If such a program were to be offered in Santa Fe, it would be with the administrative help of the Center's staff, but actual courses would be delivered at the New Mexico State Prison site.

New Programs

Programs now under consideration at the Center are:

Master's Program in Environmental Sciences: This is an important field of study for state and municipal employees throughout the state.

Master's Program in Library Sciences: It has been estimated that there are close to 700 un-licensed librarians in the State of New Mexico, and there is considerable interest among them for a program in Santa Fe

Master's Program in American Studies: Most of the programs offered at the Center are in response to highly specific professional needs of state employees and teachers in Northern New Mexico. To complement our offerings, we see the need for one program which would build on the specific cultural resources of Santa Fe and Northern New Mexico.

These projected programs will be instituted, after approval, over a five-year period.

Service Activities

The Santa Fe Graduate Center is ideally located to further develop a liason between the University and State Government; many of our students work in state government offices and furnish us with important information in this regard. We have taken one small step in bringing people together from these large institutions by organizing, with the help of the University of New Mexico Foundation, Inc., the "New Mexico 2000" conference. We wish to expand these activities in the future.

Professional Activities

Vera John-Steiner presented a paper at an international Vygotsky conference, Chicago, October 1980; she gave two lectures on bilingualism at Bank Street College of Education, New York City, October 1980; she presented papers at the University of Houston on "The Psychology of Literacy," November 1980 and at the 4th Annual Reservation-wide Conference, Tsaile, Arizona, December 1980.

During the spring semester she spoke to the Psycholinguistics Circle of Northwest University, the Psychology Departments of Rutgers University, the City College of New York, and the University of California at Berkeley. She addressed the CCCC Conference in Dallas and spoke on Language and Literacy at the University of Arizona.

She is a reviewer of grant applications to National Endowment for the Humanities, National Science Foundation, and the National Institution of Education.

Publications by Dr. John-Steiner were "Educational Implications of Genes and Gender," in Tobach & Rosoff (ds.) Genes and Gender, Vol. 3, pp. 137-144, and "Recent Trends in Bilingual Education," in J. Schwartz (ed.), Teaching the Linguistically Diverse, co-author: E. Cooper. A book now in progress, Notebooks of the Mind, is to be published by the UNM Press.


Non-teaching University Service: Senate Graduate Committee, Research Allocations Committee, Scholarship Committee of the Linguistics Society of America, and Director of the Santa Fe Graduate Center.

Recommendations for the Santa Fe Graduate Center

1. Library support for the Graduate Center programs is much needed. We have initiated a modest program of acquisition with the help of Mr. Oscadal of the Zimmerman Library. This current focus is on indexing existing Public Administration resources in the College of Santa Fe Library and in the New Mexico State Library.

2. Strengthening communication channels. During the past year, the director and staff have focused on communication with UNM faculty and the Los Alamos Directors. We also worked hard to develop better communication between main campus administration and the Santa Fe Graduate Center. In the future, we need to strengthen our relationship with people within the Santa Fe area by reactivating the Center's Advisory Committee. Additional members may be invited to sit on the committee, particularly those who have expressed interest in joint long-term planning between the state, local government, local educators, business and civic organizations, and the University of New Mexico.

Respectfully submitted,


Vera John-Steiner, Ph.D.
Director

Attachments: 3



TABLE I

Summer Session 1980
 THE UNIVERSITY OF NEW MEXICO
 CENTER FOR GRADUATE STUDIES AT SANTA FE

<u>COURSE NO.</u>	<u>COURSE TITLE</u>	<u>NO. OF REGISTRA.</u>	<u>CREDIT HOURS</u>	<u>TOTAL SCH</u>
PA-525	Public Personnel Administration	7	3	21
PA-597	Research Methodology	8	3	24
SP.COM.-449	Comm. Practices in the Professions	12	3	36
ED.FDN.-500	Research Applications to Ed.	16	3	48
SP.ED.-408	Sp. Ed. in the Regular Classroom	18	3	54
SP.ED.-504	Sp. Ed. Practicum	9	3	27
G&C-593	Principles of Mental Health--Class	33	3	99
HIST.-360	History of New Mexico	16	3	48
EL.ED.-593	Diag. and Prescriptive Reading	26	3	78
		<u>145</u>		<u>435</u>

(9 courses)

Ethnic Information

American Indian.....	1
Black.....	1
Hispanic Surname.....	44
White.....	70
Total No. of Students....	<u>116</u>

Registration Information

Returning Students.....	68
New Students.....	48
	<u>116</u>
Graduate Status.....	37
Non-Degree Status.....	79
	<u>116</u>
Male Students.....	40
Female Students.....	76
	<u>116</u>



TABLE II
FALL SEMESTER 1980

THE UNIVERSITY OF NEW MEXICO
CENTER FOR GRADUATE STUDIES AT SANTA FE

COURSE NO.	COURSE TITLE	NO. OF REGISTRA.	CREDIT HOURS	TOTAL SCH
PA-500	Issues in Contemp. Pub. Adm.	18	3	54
PA-530	Pub. Health Administration	15	3	45
PA-544	Pub. Budgeting and Fiscal Mgmt.	23	3	69
PA-551	Problems	4	(3/3/3/1)	10
PA-597	Research Methodology	8	3	24
Hist.-579	Seminar in Southwest History	13	3	39
Sp. Com-544	Seminar: Organizational Comm.	8	3	24
Ed.Fdn.-563	Seminar in Language Acquisition	12	3	36
Ed.Adm.-520	The School Principalship	20	3	60
SATE-504	The Two-Year College Curriculum	9	3	27
SATE-538	Teaching Reading in the Content Area	10	3	30
SATE-593	Topics: Reading for ESL Students	13	3	39
Sp.Ed.-508	Techniques of Parent Counseling	23	3	69
Sp.Ed.-593	Topics: Psy./Ed. of Exceptional Persons	13	3	39
G&C-415	Foundations of Counseling	23	3	69
G&C-430	Dynamics of Human Behavior	25	3	75
(16 courses)		237		711

Ethnic Information

American Indian.....	1
Black.....	3
Hispanic Surname.....	65
White.....	147
Total No. of Students...	216

Registration Information

Returning Students.....	119
New Students.....	97
	216
Graduate Status.....	86
Non-Degree Status.....	130
	216
Male Students.....	77
Female Students.....	139
	216



TABLE III
SPRING SEMESTER 1981

THE UNIVERSITY OF NEW MEXICO
 CENTER FOR GRADUATE STUDIES AT SANTA FE

<u>COURSE NO.</u>	<u>COURSE TITLE</u>	<u>NO. OF REGISTRA.</u>	<u>CREDIT HOURS</u>	<u>TOTAL SCH</u>
PA-500	Issues in Contemporary Pub.Adm.	15	3	45
PA-521	Administrative Behavior	14	3	42
PA-535	Comparative Pub. Adm.	8	3	24
PA-540	Administration of State Government	19	3	57
PA-551	Problems	2	3	6
Pol.Sci.-410	Public Policy Analysis	8	3	24
Sp.Com.-521	Seminar: Interpersonal Comm.	16	3	48
Hist.-369	American Indian History	20	3	60
Ed.Fdn.-500	Research Applications to Ed.	20	3	60
Ed.Adm.-560	Supervision of Instruction	21	3	63
G&C-517	Theories of Counseling	23	3	69
G&C-593	Topics: Multicultural Issues in Counseling	7	3	21
SATE-481	Education Across Cultures in the SW	13	3	39
SATE-593	Topics: Teaching Adult Learners	9	3	27
SATE-593	Topics: Teaching Reading through Adolescent Literature	30	3	90
El.Ed.-436	Diagnosis and Prescr. in Reading	31	3	93
Sp.Ed.-440	Nature/Needs of Learning Disabled	8	3	24
Sp.Ed.-564	Adm. and Use of Diag. Tests in Sp.Ed.	20	3	60
		284		852

(18 courses)

Ethnic Information

American Indian.....	1
Black.....	1
Hispanic Surname.....	84
White.....	168
Total No. of Students....	254

Registration Information

Returning Students.....	143
New Students.....	111
	254
Graduate Status.....	82
Non-Degree Status.....	172
	254
Male Students.....	72
Female Students.....	182
	254

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REPORT ON THE
OFFICE OF GRADUATE STUDIES
AFFIRMATIVE ACTION PROGRAM
Antonio Gomez, Asst. to the Dean
(July 1, 1980 to June 30, 1981)

Although various activities in the area of graduate affirmative action have occurred in the past decade under the auspices of the Office of Graduate Studies, including establishment of a faculty committee on minorities, (which carried out several minority activities over several years) and assignment of some responsibilities in this area to an Assistant or Associate Dean in the office, it was not until October 1978, with the acquisition of the Department of Education G*POP institutional and fellowship grants, that we were able to hire a staff person (a half-time G*POP program coordinator) with responsibility largely for recruitment, minority student counseling and advisement, etc.

The 1980-81 fiscal year began with a half-time program coordinator but as a result of a series of meetings between and among several individuals and Los Profesores (including President Davis, Provost Hull, Dean Spolsky, Richard Griego and Antonio Gomez) the President and the Provost agreed to make the position full-time effective September 1, 1980 and to change the title to Assistant to the Dean. Funds for the position were provided partially by the COEA from the G*POP grant and partially from the Graduate Office salary account.

Although we were unsuccessful in acquiring a new institutional grant to support recruitment activities in 1980-81, we were able to get an extension of the previous year's G*POP institutional grant until February 28, 1981 and a fellowship grant for 20 continuation fellowships. In addition, Dean Benedetti provided several thousand dollars for the program for the period March 1, 1981 to August 31, 1981.

G*POP

During its first three years, G*POP has provided fellowships for 24 students. In 1980-81 UNM received funds for twenty continuation fellowships but no new

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fellowships. Only four new fellowships were awarded by G*POP in the entire southwest in 1980-81. As a result of a major protest by universities in the region, including a major role by UNM, G*POP allocation guidelines were changed and geographic distribution is now a major consideration in making allocations. The following table shows the amount of funds awarded to UNM by G*POP from 1978-1981.

G*POP FUNDS AWARDED TO UNM .

1978-81

	Institutional	Fellowship Grant		
	<u>Grant</u>	<u>Stipends</u>	<u>C.O.E.A.</u>	<u>Total</u>
1978-79	\$17,000	\$39,000	\$39,000	\$95,000
1979-80	27,211	78,000	78,000	183,211
1980-81	Extension of 79-80 grant	90,000	78,000	168,000
1981-82	<u>---</u>	<u>84,375</u>	<u>73,125</u>	<u>157,500</u>
Total	44,211	291,375	268,125	603,711

Recruitment

During 1980-81, twelve UNM faculty, professional staff and the project director visited twenty-two other colleges for minority graduate student recruitment. Some schools were visited twice during the year.

In addition to contact and correspondence with several hundred students as a result of our on-site recruitment visits, the office sent letters to several thousand minority students listed by the Western Name Exchange and the Graduate Record Examination Minority Locator Service. We also corresponded with, and sent posters and other UNM materials to, approximately 1800 minority and other faculty, ethnic studies staff, placement officers, etc. at a large number of universities.

Advising and Counseling

It is estimated that about two to three hundred current and potential future students (minority and non-minority) came to the office for counseling and/or advising during 1980-81. Many of these students, particularly G*POP students were seen several times.

Admissions and Enrollment

The nature of our filing system makes it difficult to determine admission by ethnicity for a given year so perhaps it is best to report on enrollment. Enrollment of minority graduate students increased by 34 (5.1%) from 1979 to 1980: from 670 (18.4%) in 1979 to 734 (19.2%) in 1980. These figures do not include Asians. The number of Black graduate students decreased by one, from 53 in 1979 to 52 in 1980. Chicanos increased from 531 to 546 and American Indians from 86 to 107.

New Programs

During the past year a new proposal was written for G*POP fellowship and institutional grants. UNM has been awarded 9 new and 9 continuation fellowships for 1981-82. Also during the past year a new proposal for state funded fellowships for minority students has begun to take shape. The proposal calls for 108 total fellowships per year for all New Mexico universities, to be distributed on the basis of their 1980 graduate enrollment.

It is expected that a new proposal for minority retention, advising, and counseling will be developed and submitted to agencies and foundations in 1981-82.

Table 1. UNM Minority Graduate Enrollment, Fall 1980

TOTAL

Appendix A

UNDERREPRESENTED

MINORITIES

WOMEN

TOTAL

STUDENTS

GRADUATE UNITS	BLACK AMERICANS		HISPANICS		AMERICAN INDIANS		MINORITIES		WOMEN		TOTAL ENROLLED
	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	
DEPT OF ARCH & PLAN	2 (0)	2.2 (0.0)	8 (5)	8.8 (6.3)	2 (1)	2.2 (1.3)	12 (6)	13.2 (7.6)	36 (22)	39.6 (27.8)	91 (79)
PHYS & SCIENCES	10 (12)	1.2 (1.3)	118 (113)	12.5 (11.8)	18 (8)	1.9 (0.8)	146 (133)	15.4 (13.9)	401 (400)	42.3 (41.9)	947 (954)
American Studies	1 (0)	2.1 (0.0)	4 (3)	8.5 (5.9)	5 (3)	10.6 (5.9)	10 (6)	21.3 (11.8)	27 (26)	57.4 (51.0)	47 (51)
Anthropology	0 (0)	0.0 (0.0)	4 (4)	4.4 (4.4)	2 (1)	2.2 (1.1)	6 (5)	6.6 (5.6)	41 (47)	45.1 (52.2)	91 (90)
Biology	0 (0)	0.0 (0.0)	8 (7)	8.4 (8.4)	1 (0)	1.1 (0.0)	9 (7)	9.9 (8.4)	33 (27)	36.3 (32.5)	95 (83)
Chemistry	0 (0)	0.0 (0.0)	4 (4)	10.3 (6.9)	3 (1)	7.7 (1.7)	7 (5)	17.9 (8.6)	7 (18)	17.9 (31.0)	39 (58)
Communicative Dis	0 (0)	0.0 (0.0)	4 (4)	8.9 (9.8)	0 (0)	0.0 (0.0)	4 (4)	8.9 (9.8)	41 (39)	91.1 (95.1)	45 (41)
Comp Literature	0 (0)	0.0 (0.0)	1 (0)	50.0 (0.0)	0 (0)	0.0 (0.0)	1 (0)	50.0 (0.0)	1 (0)	50.0 (0.0)	2 (2)
Economics	0 (0)	0.0 (0.0)	2 (2)	4.5 (4.5)	0 (0)	0.0 (0.0)	2 (2)	4.5 (4.5)	11 (11)	25.0 (25.0)	44 (44)
English	0 (0)	0.0 (0.0)	6 (6)	9.4 (8.2)	0 (1)	0.0 (1.4)	6 (7)	9.4 (9.6)	36 (41)	56.3 (56.2)	64 (73)
Geography	0 (0)	0.0 (0.0)	1 (0)	6.7 (0.0)	0 (0)	0.0 (0.0)	1 (0)	6.7 (0.0)	6 (4)	40.0 (33.3)	15 (12)
Geology	1 (0)	1.6 (0.0)	3 (2)	4.7 (2.9)	0 (0)	0.0 (0.0)	4 (2)	4.7 (2.9)	10 (11)	15.6 (15.7)	64 (70)
History	1 (2)	1.3 (2.5)	12 (11)	15.2 (13.6)	1 (0)	1.3 (0.0)	14 (13)	17.7 (16.0)	33 (31)	41.8 (38.3)	79 (81)
Indio Amer Studies	0 (0)	0.0 (0.0)	6 (5)	54.5 (42.0)	0 (0)	0.0 (0.0)	6 (5)	54.5 (41.7)	7 (6)	58.3 (50.0)	11 (12)
Latin Amer Studies	0 (0)	0.0 (0.0)	6 (2)	42.9 (25.0)	0 (0)	0.0 (0.0)	6 (2)	42.9 (25.0)	7 (4)	50.0 (50.0)	14 (8)
Linguistics	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (00.0)	0 (1)
Math & Stat	1 (3)	1.8 (5.7)	3 (6)	5.4 (11.3)	0 (0)	0.0 (0.0)	4 (9)	7.1 (17.0)	16 (18)	28.6 (34.0)	56 (53)
Modern & Class Lang	0 (0)	0.0 (0.0)	28 (28)	37.8 (41.8)	1 (0)	1.4 (0.0)	29 (28)	39.2 (41.8)	48 (41)	64.9 (61.2)	74 (67)
Philosophy	0 (0)	0.0 (0.0)	4 (6)	12.5 (16.2)	1 (0)	3.2 (0.0)	5 (6)	15.6 (16.2)	13 (9)	40.6 (24.3)	32 (37)
Physics & Astron	2 (2)	3.9 (3.8)	2 (2)	3.9 (3.8)	1 (1)	2.0 (1.9)	5 (5)	9.8 (9.6)	8 (9)	15.7 (17.3)	51 (52)
Political Science	2 (2)	12.5 (10.5)	4 (2)	25.0 (10.5)	0 (0)	0.0 (0.0)	6 (4)	37.5 (21.1)	2 (4)	12.5 (21.1)	16 (19)
Psychology	0 (0)	0.0 (0.0)	7 (9)	13.0 (16.7)	2 (1)	3.7 (1.9)	9 (10)	16.7 (18.5)	20 (22)	37.0 (40.7)	54 (54)
Sociology	0 (0)	0.0 (0.0)	5 (7)	20.0 (28.0)	1 (0)	4.0 (0.0)	6 (7)	24.0 (28.0)	18 (19)	72.0 (76.0)	25 (25)
Spnch Comm	2 (3)	6.9 (14.3)	4 (3)	13.8 (14.3)	0 (0)	0.0 (0.0)	6 (6)	20.7 (28.6)	16 (13)	55.2 (61.9)	29 (21)
SCH OF MANAGMT	3 (0)	0.9 (0.0)	38 (28)	11.0 (7.5)	3 (3)	0.9 (0.8)	44 (31)	12.7 (8.3)	130 (136)	37.6 (36.6)	346 (372)
SCH OF EDUC	18 (22)	1.5 (1.8)	271 (272)	22.6 (22.0)	65 (63)	5.4 (5.1)	351 (357)	29.3 (28.9)	893 (871)	74.4 (70.4)	1200(1237)
Educ Education	0 (0)	0.0 (0.0)	8 (9)	25.0 (20.9)	2 (2)	6.3 (4.7)	10 (11)	31.3 (25.6)	23 (32)	71.9 (74.4)	32 (43)
Educ Admin	2 (3)	1.4 (2.6)	37 (27)	26.8 (23.3)	6 (10)	4.3 (15.5)	45 (40)	32.6 (41.4)	82 (52)	59.4 (44.8)	138 (116)
Educ Funds	1 (1)	1.3 (1.3)	11 (10)	13.8 (13.2)	3 (6)	3.8 (7.9)	15 (17)	18.8 (22.4)	60 (57)	75.0 (75.0)	80 (76)
Educ Educ	1 (4)	.4 (1.3)	76 (82)	30.3 (26.7)	38 (25)	15.1 (8.1)	115 (111)	45.8 (36.1)	227 (269)	90.4 (87.6)	251 (307)
Educ Couns	1 (0)	.6 (0.0)	39 (34)	25.0 (24.3)	6 (4)	3.8 (2.9)	46 (38)	29.5 (27.1)	113 (91)	72.4 (65.0)	156 (145)
Educ Phys Ed & Rec	5 (7)	3.7 (5.1)	17 (14)	12.5 (10.2)	2 (3)	1.5 (2.2)	24 (24)	17.6 (17.5)	79 (80)	58.1 (58.4)	136 (137)
Educ Economics	0 (0)	0.0 (0.0)	3 (4)	14.3 (25.0)	0 (0)	0.0 (0.0)	3 (4)	14.3 (25.0)	21 (16)	100.0 (100.0)	21 (16)

Table 1. UNM Minority Graduate Enrollment, Fall 1980 (Continued)

Appendix A
TOTAL
UNDERREPRESENTED
MINORITIES **

WOMEN

TOTAL
STUDEN

GRADUATE UNITS	BLACK AMERICANS		HISPANICS		AMERICAN INDIANS		TOTAL UNDERREPRESENTED MINORITIES **		WOMEN		TOTAL STUDEN
	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED
Soc & Adult Tchrr Ed	2 (3)	1.2 (1.6)	41 (44)	25.3 (23.4)	7 (5)	4.3 (2.7)	50 (52)	30.9 (27.7)	102 (119)	63.0 (63.3)	162 (188)
Business Educ.	0 (1)	0.0 (20.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (1)	0.0 (20.0)	0 (9)	0.0(100.0)	0 (5)
Industrial Educ.	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (3)
Special Education	3 (3)	1.3 (1.5)	39 (48)	17.4 (23.3)	1 (0)	0.4 (0.0)	43 (51)	19.2 (24.8)	186 (150)	83.0 (72.8)	224(206)
COLLEGE OF ENGR	5 (3)	1.7 (1.1)	23 (24)	7.8 (8.6)	2 (1)	0.7 (0.4)	32 (28)	10.8 (10.0)	45 (36)	15.2 (12.9)	296(280)
Chem/Nucl Engr	2 (1)	2.5 (1.7)	6 (6)	7.5 (10.3)	0 (0)	0.5 (0.0)	8 (7)	10.0 (12.1)	9 (6)	11.3 (10.3)	80(50)
Civil Engr	1 (1)	3.4 (3.1)	6 (7)	20.7 (21.9)	2 (1)	6.9 (3.1)	9 (9)	31.0 (28.1)	2 (2)	6.9 (6.3)	29(32)
Computer Science	0 (0)	0.0 (0.0)	4 (3)	8.7 (7.9)	0 (0)	0.0 (0.0)	4 (3)	8.7 (7.9)	21 (17)	45.7 (44.7)	46(38)
Elec & Comput Engr	2 (1)	2.0 (0.9)	8 (8)	7.9 (6.8)	0 (0)	0.0 (0.0)	10 (9)	9.0 (7.7)	9 (10)	8.9 (8.5)	101(117)
Mechanical Engr	0 (0)	0.0 (0.0)	1 (0)	2.5 (0.0)	0 (0)	0.0 (0.0)	1 (0)	2.5 (0.0)	4 (1)	10.0 (2.9)	40(35)
COLLEGE OF											
FINE ARTS	1 (3)	0.5 (1.6)	18 (13)	9.9 (7.1)	2 (1)	1.1 (0.5)	21 (17)	11.5 (9.3)	107 (96)	58.8 (52.5)	182(183)
Art	0 (1)	0.0 (0.8)	12 (8)	9.0 (6.6)	2 (1)	1.5 (0.8)	14 (10)	10.5 (8.2)	83 (75)	62.4 (61.5)	133(122)
Music/Music Educ	1 (2)	2.4 (4.8)	4 (4)	9.8 (9.5)	0 (0)	0.0 (0.0)	5 (6)	12.2 (14.3)	20 (16)	48.8 (39.1)	41(42)
Theatre Arts	0 (0)	0.0 (0.0)	2 (1)	25.0 (11.1)	0 (0)	0.0 (0.0)	2 (1)	25.0 (11.1)	4 (5)	50.0 (55.6)	8(9)
Medical Sciences	1 (1)	2.0 (2.1)	6 (4)	12.0 (8.3)	0 (0)	0.0 (0.0)	7 (5)	14.0 (10.4)	29 (27)	58.0 (56.3)	50(48)
COLLEGE OF NURSING	1 (0)	3.1 (0.0)	3 (3)	9.4 (14.3)	0 (0)	0.0 (0.0)	4 (3)	12.5 (14.3)	32 (21)	100.0(100.0)	32(21)
Division of Public											
Administration	11 (12)	5.0 (4.9)	61 (69)	28.0 (28.2)	15 (9)	6.9 (3.7)	87 (90)	39.9 (36.7)	106 (107)	48.6(43.7)	218(245)
GRAND TOTAL	52 (53)	1.4 (1.5)	546 (531)	14.9 (14.6)	107 (86)	2.9 (12.4)	704 (670)	19.2 (18.4)	1773 (1716)	48.4 (47.1)	3662(3642)

* Figures in parentheses = Fall 1979

Includes Gallup, Los Alamos, Santa Fe, and Main Campus

** Blacks, Hispanics, American Indians

*** Fall, 1980, total includes 303 non-citizens and Fall, 1979 total includes 235 non-citizens which are not counted in department and college totals.

Table 2. UNM Minority Graduate Enrollment, Fall 1979

Appendix B

GRADUATE UNITS	BLACK AMERICANS		HISPANICS		AMERICAN INDIANS		TOTAL UNDERREPRESENTED MINORITIES		WOMEN		TOTAL STUDENTS
	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED
SCH OF ARCH & PLAN	0 (2)	0.0 (2.4)	5 (5)	6.3 (6.1)	1 (0)	1.3 (0.0)	6 (7)	7.6 (8.5)	22 (20)	27.8 (24.4)	79 (82)
ARTS & SCIENCES	12 (10)	1.3 (0.9)	113 (107)	11.8 (10.9)	8 (8)	.8 (0.7)	133 (125)	13.9 (12.7)	400 (421)	41.9 (42.8)	954 (983)
American Studies	0 (1)	0.0 (2.2)	3 (4)	5.9 (8.7)	3 (2)	5.9 (4.3)	6 (7)	11.8 (15.2)	26 (19)	51.0 (41.3)	51 (46)
Anthropology	0 (0)	0.0 (0.0)	4 (3)	4.4 (3.1)	1 (0)	1.1 (0.0)	5 (3)	5.6 (3.1)	47 (54)	52.2 (55.1)	90 (98)
Biology	0 (0)	0.0 (0.0)	7 (5)	8.4 (5.2)	0 (0)	0.0 (0.0)	7 (5)	8.4 (5.2)	27 (32)	32.5 (33.0)	83 (97)
Chemistry	0 (0)	0.0 (0.0)	4 (2)	6.9 (3.6)	1 (1)	1.7 (0.2)	5 (3)	8.6 (5.4)	18 (16)	31.0 (28.6)	58 (56)
Communicative Dis	0 (0)	0.0 (0.0)	4 (5)	9.8 (13.9)	0 (0)	0.0 (0.0)	4 (5)	9.8 (13.9)	39 (35)	95.1 (97.2)	41 (36)
Comp Literature	0 (0)	0.0 (0.0)	0 (1)	0.0 (20.0)	0 (0)	0.0 (0.0)	0 (1)	0.0 (20.0)	0 (1)	0.0 (0.0)	2 (5)
Economics	0 (0)	0.0 (0.0)	2 (1)	4.5 (3.2)	0 (0)	0.0 (0.0)	2 (1)	4.5 (3.2)	11 (9)	25.0 (29.0)	44 (31)
English	0 (0)	0.0 (0.0)	6 (8)	8.2 (10.4)	1 (0)	1.4 (0.0)	7 (8)	9.6 (10.4)	41 (42)	56.2 (54.5)	73 (77)
Geography	0 (0)	0.0 (0.0)	0 (1)	0.0 (8.3)	0 (0)	0.0 (0.0)	0 (1)	0.0 (8.3)	4 (5)	33.3 (38.5)	12 (12)
Geology	0 (0)	0.0 (0.0)	2 (1)	2.9 (14.0)	0 (0)	0.0 (0.0)	2 (1)	2.9 (1.4)	11 (16)	15.7 (21.9)	70 (73)
History	2 (1)	2.5 (1.2)	11 (13)	13.6 (15.5)	0 (1)	0.0 (1.2)	13 (15)	16.0 (17.9)	31 (29)	38.3 (17.9)	81 (84)
Ibero Amer Studies	0 (0)	0.0 (0.0)	5 (2)	42.0 (25.0)	0 (0)	0.0 (0.0)	5 (2)	41.7 (25.0)	6 (4)	50.0 (50.0)	12 (8)
Latin Amer Studies	0 (0)	0.0 (0.0)	2 (2)	25.0 (20.0)	0 (0)	0.0 (0.0)	2 (2)	25.0 (20.0)	4 (6)	50.0 (60.0)	8 (10)
Linguistics	0 (0)	0.0 (0.0)	0 (6)	0.0 (40.0)	0 (0)	0.0 (0.0)	0 (6)	0.0 (40.0)	0 (10)	0.0 (66.7)	1 (15)
Main & Stat	3 (3)	5.7 (6.5)	6 (4)	11.3 (8.7)	0 (0)	0.0 (0.0)	9 (7)	17.0 (15.2)	18 (18)	34.0 (39.1)	53 (46)
Modern & Class Lang	0 (0)	0.0 (0.0)	28 (25)	41.8 (43.0)	0 (0)	0.0 (0.0)	28 (25)	41.8 (43.0)	41 (36)	61.2 (62.1)	67 (58)
Philosophy	0 (1)	0.0 (2.5)	6 (4)	16.2 (10.0)	0 (0)	0.0 (0.0)	6 (5)	16.2 (12.5)	9 (9)	24.3 (22.5)	37 (40)
Physics & Astron	2 (2)	3.8 (4.3)	2 (2)	3.8 (4.3)	1 (0)	1.9 (0.0)	5 (4)	9.6 (8.5)	9 (6)	17.3 (12.8)	52 (47)
Political Science	2 (0)	10.5 (0.0)	2 (4)	10.5 (20.0)	0 (1)	0.0 (5.0)	4 (5)	21.1 (25.0)	4 (7)	21.1 (35.0)	19 (20)
Psychology	0 (0)	0.0 (0.0)	9 (6)	16.7 (9.2)	1 (1)	1.9 (1.5)	10 (7)	18.5 (10.8)	22 (26)	40.7 (40.0)	54 (65)
Sociology	0 (0)	0.0 (0.0)	7 (5)	28.0 (25.0)	0 (1)	0.0 (5.0)	7 (6)	28.0 (30.0)	19 (14)	76.0 (70.0)	25 (20)
Speech Comm	3 (2)	14.3 (5.1)	3 (3)	14.3 (7.7)	0 (1)	0.0 (2.6)	6 (6)	28.6 (15.4)	13 (27)	61.9 (69.2)	21 (39)
SCH OF MANAGEMT	0 (1)	0.0 (0.4)	28 (16)	7.5 (5.6)	3 (3)	0.8 (1.3)	31 (20)	8.3 (7.0)	136 (90)	36.6 (31.5)	372 (286)
COLLEGE OF EDUC	22 (22)	1.8 (1.7)	272 (295)	22.0 (22.9)	63 (77)	5.1 (6.0)	357 (394)	28.9 (30.6)	871 (873)	70.4 (67.9)	1237 (1286)
Art Education	0 (0)	0.0 (0.0)	9 (5)	20.9 (12.8)	2 (2)	4.7 (5.1)	11 (7)	25.6 (17.9)	32 (29)	74.4 (74.4)	43 (39)
Ed Admin	3 (0)	2.6 (0.0)	27 (37)	23.3 (27.2)	18 (24)	15.5 (17.9)	48 (61)	41.4 (44.9)	52 (56)	44.8 (41.2)	116 (116)
Ed Found	1 (1)	1.3 (1.5)	10 (10)	13.2 (14.7)	6 (4)	7.9 (5.9)	17 (15)	22.4 (22.1)	57 (44)	75.0 (64.7)	76 (65)
Ed Inoc	4 (4)	1.3 (1.2)	82 (87)	26.7 (27.3)	25 (31)	8.1 (9.5)	111 (122)	36.1 (37.3)	269 (275)	87.6 (86.2)	307 (319)
Ed Couns	0 (0)	0.0 (0.0)	34 (35)	24.3 (28.2)	4 (5)	2.9 (3.7)	38 (40)	27.1 (32.3)	91 (81)	65.0 (65.3)	140 (134)
Phys Ed & Rec	7 (7)	5.1 (4.7)	14 (29)	10.2 (19.5)	3 (3)	2.2 (2.0)	24 (39)	17.5 (26.2)	80 (73)	58.4 (49.0)	137 (131)
Public Economics	0 (0)	0.0 (0.0)	4 (6)	25.0 (40.0)	0 (0)	0.0 (0.0)	4 (6)	25.0 (40.0)	16 (15)	100.0 (100.0)	16 (15)

Table 2. UNM Minority Graduate Enrollment, Fall 1979 (Continued)

Appendix B

GRADUATE UNITS	BLACK AMERICANS		HISPANICS		AMERICAN INDIANS		TOTAL UNDERREPRESENTED MINORITIES **		WOMEN		TOTAL STUDENT
	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED
Soc & Adult Tch'r Ed	3 (3)	1.6 (19.1)	44 (38)	23.4 (19.5)	5 (6)	2.7 (3.5)	52 (47)	27.7 (24.1)	119 (118)	63.3 (60.5)	108 (195)
Business Educ.	1 (1)	20.0 (11.1)	0 (3)	0.0 (30.0)	0 (0)	0.0 (0.0)	1 (4)	20.0 (44.4)	9 (9)	100.0 (100.0)	5 (9)
Industrial Educ.	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (50.0)	3 (2)
Special Education	3 (6)	1.5 (2.6)	48 (42)	23.3 (18.3)	0 (2)	0.0 (0.9)	51 (50)	24.8 (21.7)	150 (173)	72.8 (75.2)	206 (230)
COLLEGE OF ENGR	3 (2)	1.1 (0.8)	24 (23)	8.6 (9.1)	1 (1)	0.4 (0.4)	28 (26)	10.0 (10.3)	36 (29)	12.9 (11.5)	280 (253)
Chem/Nucl Engr	1 (0)	1.7 (0.0)	6 (5)	10.3 (11.1)	0 (0)	0.0 (0.0)	7 (5)	12.1 (11.1)	6 (2)	10.3 (4.4)	50 (45)
Civil Engr	1 (1)	3.1 (3.0)	7 (6)	21.9 (18.2)	1 (1)	3.1 (3.0)	9 (8)	28.1 (24.2)	2 (3)	6.3 (9.1)	32 (33)
Computer Science	0 (1)	0.0 (2.0)	3 (4)	7.9 (8.0)	0 (0)	0.0 (0.0)	3 (5)	7.9 (10.0)	17 (15)	44.7 (30.0)	30 (50)
Elec & Comput Engr	1 (0)	0.9 (0.0)	8 (8)	6.8 (8.2)	0 (0)	0.0 (0.0)	9 (8)	7.7 (8.2)	10 (8)	8.5 (8.2)	117 (97)
Mechanical Engr	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	1 (1)	2.9 (3.6)	35 (28)
COLLEGE OF FINE ARTS	3 (2)	1.6 (1.3)	13 (11)	7.1 (7.0)	1 (1)	0.5 (0.6)	17 (13)	9.3 (8.2)	96 (83)	52.5 (52.5)	183 (158)
Art	1 (1)	0.8 (0.9)	8 (8)	6.6 (7.0)	1 (1)	0.8 (0.9)	10 (10)	8.2 (8.6)	75 (68)	61.5 (59.1)	122 (115)
Music/Music Educ	2 (1)	4.8 (2.6)	4 (3)	9.5 (7.9)	0 (0)	0.0 (0.0)	6 (4)	14.3 (10.5)	16 (13)	38.1 (34.2)	42 (38)
Theatre Arts	0 (0)	0.0 (0.0)	1 (0)	11.1 (0.0)	0 (0)	0.0 (0.0)	1 (0)	11.1 (0.0)	5 (2)	55.6 (28.6)	9 (5)
Medical Sciences	1 (0)	2.1 (0.0)	4 (5)	8.3 (11.4)	0 (0)	0.0 (0.0)	5 (5)	10.4 (11.4)	27 (27)	56.3 (61.4)	48 (44)
COLLEGE OF NURSING	0 (0)	0.0 (0.0)	3 (1)	14.3 (16.7)	0 (0)	0.0 (0.0)	3 (1)	14.3 (16.7)	21 (6)	100.0 (100.0)	21 (6)
Division of Public Administration	12 (17)	4.9 (6.9)	69 (75)	28.2 (30.2)	9 (8)	3.7 (3.2)	90 (100)	36.7 (40.3)	107 (90)	43.7 (36.1)	245 (248)
GRAND TOTAL	53 (55)	1.5 (1.5)	531 (538)	14.6 (15.0)	86 (98)	2.4 (2.7)	670 (691)	18.4 (19.3)	1716 (1639)	47.1 (45.8)	3642 (3579)

* Figures in parentheses = Fall 1978

Includes Gallup, Los Alamos, Santa Fe, and Main Campus

** Blacks, Hispanics, American Indian

*** Fall, 1979, total includes 235 non-citizens and Fall 1978 total includes 199 non-citizens which are not counted in department and college totals.

Table 3. MASTER'S & DOCTORAL

Appendix C

DEGREES BY ETHNIC GROUP & SEX

1975-76 to 1979-80

UNM MAIN CAMPUS

<u>YEAR</u>	<u>Black</u>		<u>Hispanic</u>		<u>Indian</u>		<u>Total Underrepresented Minority</u>		<u>White</u>		<u>Total</u>	
	<u>M</u>	<u>W</u>	<u>M</u>	<u>W</u>	<u>M</u>	<u>W</u>	<u>M</u>	<u>W</u>	<u>M</u>	<u>W</u>	<u>M</u>	<u>W</u>
79-80	10	10	71	66	5	14	86	90	351	356	457	459
78-79	6	6	81	68	15	16	102	90	350	321	367	412
77-78	5	7	67	70	8	8	80	85	378	330	471	421
76-77	7	8	52	63	7	18	66	89	345	350	424	439
75-76	4	2	57	56	4	2	65	60	376	310	448	374

Table 4. UNM MINORITY GRADUATE ENROLLMENT

Appendix D

1970-1980

<u>Year</u>	<u>Black</u>	<u>Hispanic</u>	<u>Indian</u>	<u>Minority</u>	<u>Women</u>	<u>Total*</u>
1980	52	546	107	704(19.2%)	1773(48.4%)	3662
1979	53	531	86	670(18.4%)	1716(47.1%)	3642
1978	53	538	98	691(19.3%)	1639(45.8%)	3579
1977	43	484	70	597(17.2%)	1453(41.9%)	3470
1976	44	482		600(16.2%)	1632(44.0%)	3697
1975	45	384	52	481(13.9%)	1477(42.6%)	3467
1974	29	289	41	360(13.5%)		2923
1973	38	313	35	387(12.6%)		2951
1972						2909
1971						2985
1970				321(10.0%)		3210

* Includes Non-Citizens

TABLE 5

Appendix E

UNM G*POP FELLOWSHIP RECIPIENTS
BY ETHNIC BACKGROUND, SEX, AND DEPARTMENT

1978-81
(As of Sept. 1981)

	Black		Chicano		Other Hispanic		Native American		White		Total	
	M	F	M	F	M	F	M	F	M	F	M	F
Electrical & Comp. Engr.	1		1		1				4*		2	5*
Law	2	1	6	1							8	2
Mathematics/Statistics			1	2			1		3		2	5
Mechanical Engr.			1								1	0
Microbiology									2			2
Nuclear Engineering	1										1	
Physics	1						1		2*		1	3*
Psychology			1	1							1	1
TOTAL	5	1	9	5	1	0	1	1	0	11*	16	18*

*One Anglo female transferred from Physics to E.&C.E. on 8/81 and is counted twice.

UNIVERSITY OF NEW MEXICO
GRADUATE STUDENT EMPLOYEES,* SPRING, 1981

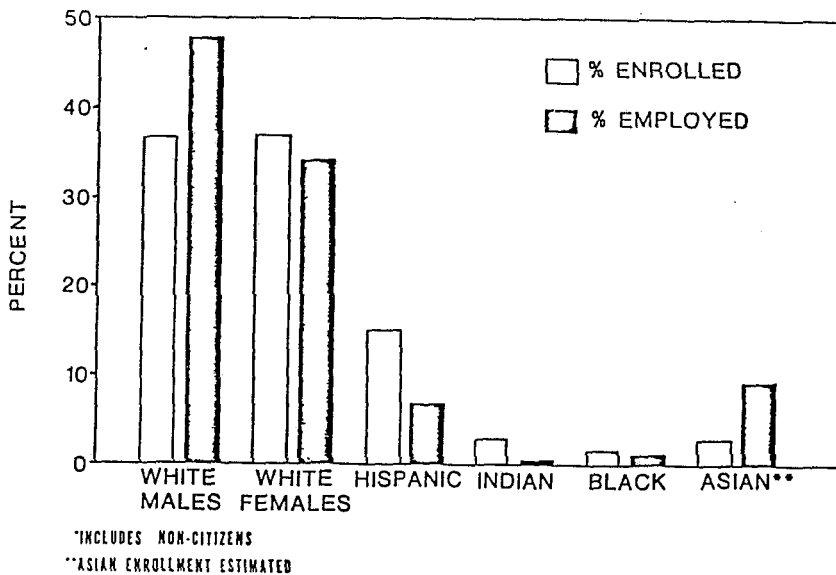
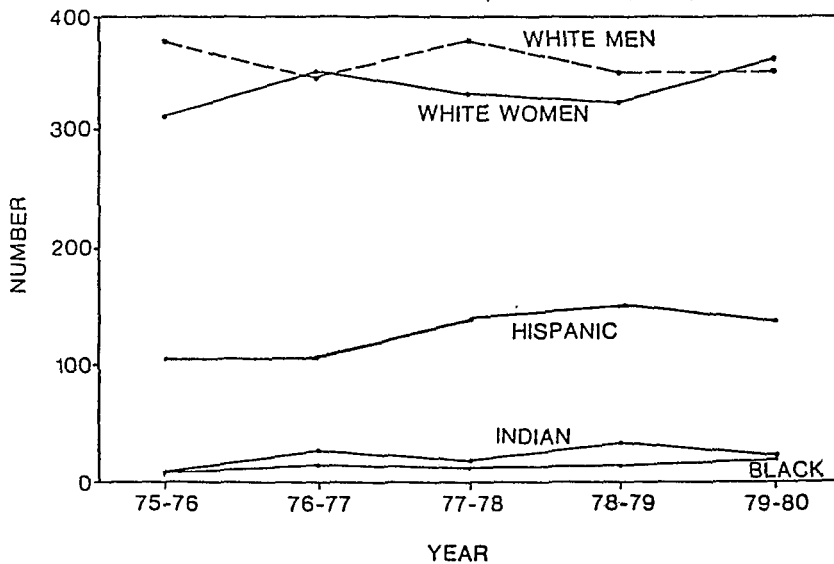
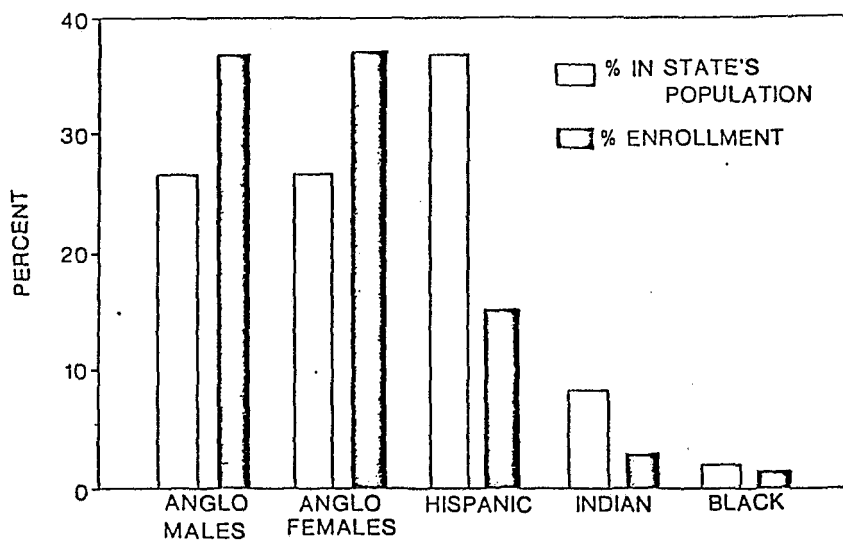


Figure 2
UNIVERSITY OF NEW MEXICO
NUMBER OF MASTERS AND DOCTORS DEGREES
BY ETHNIC GROUP AND SEX, 1975-76 to 1979-80



UNIVERSITY OF NEW MEXICO
GRADUATE ENROLLMENT,* FALL, 1980



*EXCLUDES LAW AND MEDICINE

U.S. DEPARTMENT OF EDUCATION

GRADUATE AND PROFESSIONAL OPPORTUNITIES FELLOWSHIP PROGRAM

DIRECTOR'S PERFORMANCE REPORT

INSTITUTION University of New Mexico

GRANT PERIOD 9-1-79 to 8-3

ID	NAME OF FELLOW	TENURE BEGAN	MONTHS ON TENURE	PROGRAM AREA & DEGREE	COMPLETION DATE	CONT. 1980-81		EMPLOYED		EMPLOYMENT RELATED TO TRAINING	
						Yes	No	Yes	No	Yes	No
194	Donna T. Schultz	9-1-78	12/12	Elec. Engr., MS	Graduated MS 12/80					Working at Sandia	
195	Lorraine S. Baca***	9-1-78	12/09	Mathematics, Ph.D	Graduated MS 5-80. Employed as Math Analyst at Sandia Corporation.						
196	Jean Baines	9-1-78	12/12	Law, J.D.	Graduated J.D. 5/81						
197	Edward L. Chavez	9-1-78	12/12	Law, J.D.	Graduated J.D. 5/81						
198	Patricia J. Duy	9-1-78	12/12	Elec. Engr., MS	5-82	X		X		X	
199	David A. Graham	9-1-78	12/12	Law, J.D.	Graduated J.D. 5/81						
200	Lynn Koehler	9-1-78	12/09	Elec. Engr., MS	12-81	X			X		
201	Ernest O. Pacheco	9-1-78	12/12	Law, J.D.	Graduated J.D. 12/80						
202	Diana L. Peppin	9-1-78	9	Mathematics, Ph.D	left program 5-79						
202.1	Elizla M. Roybal***	9-1-79	12	Mathematics, MS	Received M.S. 12/80 in Nuc.Engr.					Working for Ariz. Publ. Serv.	
203	Lenke E. Vietorisz	9-1-78	9	Mathematics, Ph.D	left program 5-79						
203.1	Margaret D. Jacobi	9-1-79	12	Mathematics, MS	5-82	X			X		
204	Linda L. Cole	9-1-79	12	Medical Science, Ph.D	5-82	X			X		
205	Judith M. Wallace	9-1-79	12	Medical Science, Ph.D	12-83	X			X		
206	Charles E. Davis	9-1-79	12	Electrical Engr., MS	12/81	X			X		

***These two vacated fellowships were returned to the Department of Education per conversation with Antonio Gomez, 8-20-80.

CURRENT AND FORMER UNM G*POP STUDENTS CONT.

As of July, 1981

Appendix H

U.S. DEPARTMENT OF EDUCATION

GRADUATE AND PROFESSIONAL OPPORTUNITIES FELLOWSHIP PROGRAM

DIRECTOR'S PERFORMANCE REPORT

Institution University of New MexicoGRANT PERIOD 9-1-79 to 8-1-81

FELLOW ID	NAME OF FELLOW	TENURE BEGAN	MONTHS ON TENURE	PROGRAM AREA & DEGREE	COMPLETION DATE	CONT. 1980-81		EMPLOYED		EMPLOYMENT RELATED TO TRAINING	
						Yes	No	Yes	No	Yes	No
325	Mauricio Valencia	9-1-79	12	Electrical Engr., Ph.D	Received M.S. 5/81						Working on Ph.D.
326	Walter Nails	9-1-79	12	Law, J.D.	5-82	X			X		
327	Ruben S. Cortez	9-1-79	12	Law, J.D.	5-82	X			X		
329	Arthur Pablo	9-1-79	1	Mathematics, MS	left program 10-1-79						
328.1	Joe F. Torres	1-21-80	5	Mathematics, MS	Left Program 12/80						
329	George E. Chavez	9-1-79	12	Law, J.D.	Left Program 8/81						
330	Olene M. Evenmo	9-1-79	6	Physics, MS	left program 3-31-80						
330.1	Janie K. Page	8-25-80		E. & C.E., M.S.	5-83	X			X		X
331	Kathleen L. Hood	9-1-79	12	Physics, Ph.D.	5-83	X			X		X



Graduate Student Association
of
The University of New Mexico

Annual Report to the Graduate School

1980-1981

Paul R. Kruse
GSA President 1980-1981

1980-81 was a unique and interesting year for the Graduate Student Association, a fact which was evident from the start. For the first time in the history of the organization, the president was elected as a result of a write-in campaign. This write-in campaign was the beginning of a concerted effort to contact the people on a departmental basis and to stimulate interest in GSA at an individual level. In continuation of this commitment, over the summer a short synopsis of GSA was prepared and made available at the Cashier's Office, the campus information booths and the GSA office. It gave an overview of the organization, outlined our budget and described the Word Processor Service.

The purpose of these fliers was to help people to become more familiar with GSA and what it offered, to make the organization and our efforts more visible and to generally stimulate graduate student interest and involvement in GSA. Reaching the individual graduate student to achieve these goals was the main theme of my year.

This was also attempted in a variety of other ways. All funded organizations and departments, through their representatives, officers or advisors, were extended an open invitation to have either me, the Chairperson, or a Finance Committee member speak at any meetings they might hold. This effort proved successful and the results were tangibly demonstrated in a number of ways from the increased number of applications for both the Student Research Allocations Committee (SRAC) and Special Ideas to an upswing in the demand for the Word Processor Service.

Budget

As GSA continues to grow and become more professional its procedures must become more formal and less subjective.

In view of the problems that had arisen during the formation of the budget in past years, it became obvious that drastic changes were needed. As a result of these demands, I implemented a formalized budget process and a time guideline to insure that everyone was entitled to an adequate opportunity to present their proposed budget and to have it fully evaluated.

Criteria were established for the evaluation of each budget proposal and organizations were duly informed as to the priorities that each factor would receive. In addition to being made available in our office, budget applications were sent out to all GSA chartered organizations which had in the past received funding. Reminders of when applications were due were sent and after all requests had been received, the Finance Committee reviewed them and each organization was allowed a hearing to highlight their proposal, answer committee questions, and provide any relevant information in support of their application.

The requests were then evaluated according to the aforementioned criteria and a recommendation was made on each proposal, balancing their needs against a proposed total budget based on 90% of the anticipated graduate student enrollment for 1981-82. The organizations were officially notified of the Finance Committee's recommendations and given an opportunity to formally protest our initial decision.

GSA representatives and any other interested GSA members were invited to participate in these hearings and the Finance Committee's recommendations were then re-evaluated, finalized, submitted to the general Council for their approval and then were placed on the ballot for the general election.

Student Research Allocations Committee (SRAC)

The increased demands placed on SRAC prompted me to undertake an evaluation of the structure and guidelines of it. I appointed a committee to compile and categorize different types of information on all SRAC grants. This information was then stored in a computer and used by the committee to make recommendations on 1) what clear criteria could be developed to give all departments equal access to the funds available, 2) how a more efficient evaluation of the requests could be made, 3) the possible inclusion of a Graduate School representative on the SRAC committee, thus eliminating the necessity of forwarding requests to the Graduate School for matching funds, 4) the refining of this information computer storage and retrieval system to quickly provide accurate statistical information, thus enabling us to continually monitor the effectiveness of SRAC.

Special Ideas

This year Special Ideas was given autonomy to be able to act with finality on all requests less than \$400. Special Ideas funded several projects this year including the Graduate Lecture Series, the UNM Millionth Volume Celebration and an initial grant to the GSA/Graduate School/Educational Administration Speakers Series. This series, headed by Lars Bjork, will sponsor a series of outstanding speakers who will lecture on topics and areas of interest that are particularly relevant to graduate students.

Fee Increase

This year GSA received an unprecedented number of funding proposals. This fact, coupled with increased demands on both the Student Research Allocations Committee and Special Ideas and the continuing impact of inflation on "fixed" costs, including the GSA secretary's salary and the President's stipend, telephone and other office costs, supplies and the President's and Chairperson's educational grant, indicated that drastic measures would need to be undertaken. After closely scrutinizing the budget proposals and conducting a survey of schools both in this geographic region and nationally, I decided that the best alternative would be to raise the GSA fee from its present \$11/person/semester, a figure that has remained since GSA's inception. It was decided that the fee should be raised to \$15/person/semester. This fee increase proposal included a proviso that \$2/person/semester of this raise would be returned directly to all departments to be added to the present \$1/person/semester for a total of \$3/person/semester. In the past the amount returned was insufficient for many departments to perform any significant activity. However, it is felt that this new provision would more equitably defray some of the costs that arise at this level, especially in departments with smaller numbers of graduate students.

Even though a fee increase was soundly defeated in the 1980 Election, the 1980-81 Council endorsed this new proposal and it was overwhelmingly passed in the 1981-82 general Election.

Expanded Membership

This year, for the first time since its inception, GSA was able to offer its membership and services to the students at UNM School of Medicine. This opportunity was the fruition of various talks and negotiations with the administration at the School of Medicine and in particular Assistant Dean Diane Klepper. This step was the final piece in the mosaic of GSA's campus wide representation and it now offers its services to all graduate students on both north and main campuses.

As UNM continued to expand its branches and the services that they offer to all corners of the state, so to has the GSA. In order to make UNM branch students feel as if they are more of a part of UNM and to increase the diversity of our membership, this year I undertook the preliminary steps to offer our membership to the graduate students at the Los Alamos branch of UNM.

I also contacted various people at all four year colleges in the state during my term to assess their graduate student needs and offer any suggestions that I could to precipitate the formation of some type of formal statewide organization of graduate students.

Miscellaneous

While GSA serves to represent all graduate students as a whole, we are also responsive to the individuals who make up the whole organization. GSA continued to serve as a contact point and information clearinghouse for prospective, new and old graduate students answering their questions, directing and assisting them with their needs and helping to make their lives easier.

In addition, this year UNM was fortunate to have Charles F. Hart, a graduate student in Linguistics to be selected to receive the distinction of being named to the Order of the British Empire. GSA was pleased that we could assist Mr. Hart in returning to his homeland to receive this distinction directly from the Queen of England.

This year I was honored to be selected to serve on the One Millionth Volume Selection Committee and to receive one of the commemorative volumes on behalf of the Graduate Students of UNM. More so for graduate students than anyone else, the library is the center of their universe and this fact was recognized when the Council voted unanimously to become a major donor to help defray costs of purchasing the historic celebration volumes. It also continues to lobby the New Mexico legislature for additional funding for the library.

Under the direction of Mona Montano and through her efforts, the GSA Word Processor Service continued as the only student owned and operated system in the U.S. It has expanded both its output and capabilities to absorb the effects of its growing popularity.

Since the GSA President is elected each year he or she must depend heavily upon the full-time administration and staff of the University. This year was no exception and any of my successes were because of the efforts, patience, and knowledge of many people but in particular I would like to specifically acknowledge and thank a

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few of these people for their extra measure of devotion.

1) D. Tryon (administrator/secretary par excellence of GSA) assisted me with everything and kept GSA running smoothly.

2) Dean David Benedetti of the Graduate School who because of his experience and able assistance was a pleasure to work with.

3) Incoming Dean Charlene McDermott - Through her enthusiasm and creativity injected many new dimensions and ideas into both the Graduate School and GSA.

4) Asst. Dean Shirley Earickson attended our meetings and served as contact person and conduit of information between the Graduate School and GSA.

5) Aileen Stanley - our liason with the President's office.

6) Mike Roeder (Assoc. Director of the NM Union) - The keeper of the books and manager of the funds.

ANNUAL REPORT
LATIN AMERICAN INSTITUTE
July 1, 1980 - June 20, 1981

Prepared by
Gilbert W. Merks

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THE ANNUAL REPORT
OF
THE LATIN AMERICAN INSTITUTE
July 1, 1980 - June 30, 1981
Gilbert W. Merkx, Director

1. SUMMARY

The academic year 1980-81 was one of remarkable accomplishment for the Latin American Institute. Important efforts begun in previous years came to fruition, and a number of new initiatives met with success. New physical facilities became available to the Latin American Institute (LAI), and there were significant accomplishments in course and program development. Faculty resources were considerably strengthened. Major steps were taken in important areas of scholarly activity, such as the dissemination of research through conferences, the publication of major journals, and the development of a publications program. Innovative attempts to develop outreach efforts met with considerable success. Faculty and student enthusiasm, as a result of these and other factors, continued at very high levels.

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2. STRUCTURAL CHANGES

Major organizational changes included the abolition of the Division of Inter-American Affairs (DIAA), an academic unit within the College of Arts and Sciences, the incorporation of its functions and staff personnel into the Latin American Institute (LAI). This consolidation reduced confusion and improved coordination of Latin American programs. The academic programs formerly administered by the DIAA Director are now administered by the Associate Director for Academic Programs of the LAI, who chairs a faculty committee which supervises the academic requirements of the various degrees offered.

In addition, the staffing of the new institutional structure of the LAI was resolved. The Acting Executive Director, Dr. Marshall R. Nason, declared his intent not to continue his post. The resulting search for his successor resulted in the appointment of Dr. Gilbert W. Merkx as the Executive Director effective August, 1980. Dr. Merkx is the former President of the Faculty Concilium on Latin America, the incoming Editor of the Latin American Research Review, and Associate Professor of Sociology. Other key staff personnel included Theo R. Crevenna, Associate Director for Administration, and Nelson P. Valdés, Associate Director for Academic Programs, Professor Edwin Lieuwen of the Department of History replaced Professor Merkx as President of the Faculty Concilium and Chairman of the LAI Policy Committee.

The LAI not only centralized Latin American programs administratively for the first time, but also integrated non-administrative components into the Latin American effort. UNM Latin Americanist

faculty are members of an official faculty body known as the Faculty Concilium on Latin America, with its own elected officers. Every college dean is advised on Latin American programs in his or her college by a Dean's Advisory Committee on Latin America (DAC). Students are organized in the Student Organization for Latin American Studies (SOLAS). The governing board of the LAI, known as the Policy Committee, brings together all these groups, in addition to senior administrators with responsibilities for Latin American programs, such as the Provost and the Dean of the Libraries.

Although the Policy Committee is large, due to the presence of representatives from the Faculty Concilium, SOLAS, the DACs, and senior administration, it has functioned effectively in developing and setting policy and in improving coordination. A measure of its prestige is that the committee has had to increase its size to accommodate the wishes of several high administrators who wished to be added as members. Most of the ongoing work of the Policy Committee is carried out by subcommittees, both standing and ad hoc in nature. Meetings are well attended, and minutes are distributed to all members of the Faculty Concilium. The effectiveness of this body has played a major role in maintaining administrative support for, and faculty-student involvement in, LAI activities.

3. THE NEW MEXICO CONSORTIUM ON LATIN AMERICAN STUDIES

A major goal of the National Resource Center proposal was the establishment of an effective consortium between the University of New Mexico and New Mexico State University to enhance Latin American

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studies on both campuses. The Consortium has in actual practice been remarkably effective. Meetings of the two faculties have been held on a regular basis. The Governing Board of the Consortium, (consisting of Marshall Nason, Gilbert Merckx, and Theo Crevenna from UNM and Louis Sadler, José García, and Charles Tatum from NMSU) met three times during the year. Areas of active cooperation between the two institutions included the development of joint curricular offerings (parallel courses offered simultaneously on both campuses and involving lecturers from both campuses), joint offerings of a teacher-training workshop which involved teachers from throughout the state, and joint development of TV pilot programs involving the production facilities of the two universities. Contacts between individual faculty and the two universities have become frequent, and the relationship between the two cooperating programs can only be described as rewarding, trouble-free, and greatly appreciated by both sides.

4. NEW FACILITIES

New quarters for the LAI were made available by the purchase of the former Sigma Alpha Epsilon fraternity house, which is now the Latin American Institute Building. Centrally located one block from the Administration building, the LAI Building contains more than 5000 square feet, and brings together under one roof the major components of the Latin American programs at UNM. The building includes a committee room and a conference/reading room, and can accommodate more than 50 persons for talks and colloquia. In

addition to secretarial and work areas, there are ten offices. More than twenty committees, groups, and scheduled programs use the LAI Building facilities on a regular basis. The investment of more than \$200,000 in the building not only served as a tangible affirmation of the commitment of the UNM administration to the Latin American Institute, but also adds to the efficiency, visibility, and morale of its operation.

5. COURSE AND ACADEMIC PROGRAM DEVELOPMENT

Despite the fact that the University of New Mexico is approximately half the size of some other universities which have distinguished Latin American programs, its unequalled institutional commitment to Latin America has led to an instructional program that is without parallel in the number and diversity of course offerings, the size and quality of faculty, or the quantity and range of degree programs.

Given the dissimilar patterns whereby different institutions classify course offerings as dealing with Latin America, a helpful method of evaluating the strength of the area studies curriculum is to count the number of courses devoted exclusively to Latin America in what might be termed "core" area studies courses in history, philosophy, and the social sciences (setting aside languages and literature). As evident in Table I, compiled from current catalogues, the Latin American area "core" curriculum is more developed at UNM than at any other leading institution.

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TABLE I
 "CORE" AREA STUDIES COURSES (IN HISTORY, PHILOSOPHY, AND THE SOCIAL SCIENCES) DEVOTED
 EXCLUSIVELY TO LATIN AMERICA AT SELECTED MAJOR LATIN AMERICAN STUDIES PROGRAMS*

UNIVERSITY	HISTORY	POLISCI	SOCIOLOGY	GEOGRAPHY	ANTHRO	ECONOMICS	PHILOSOPHY	TOTALS
New Mexico	25	8	9	2	11	3	3	61
Florida	15	4	6	7	12	3	0	47
Texas (Austin)	13	1	5	4	13	2	0	38
Tulane	15	5	3	0	8	1	0	32
Kansas	12	3	1	3	10	1	0	30
UCLA	13	3	1	3	7	0	0	27
New Mexico State U.	17	2	0	4	1	1	0	25
Illinois (Urbana)	8	3	1	2	10	1	0	25
Wisconsin (Madison)	9	2	2	2	7	2	0	24
Stanford University	9	6	0	0	6	1	0	22
Yale	6	3	2	0	1	1	0	13

* Table I includes both undergraduate and graduate courses devoted explicitly to the Latin American area; courses devoted only partially to Latin America (e.g., Politics of the Developing Area) are excluded. Interdisciplinary courses cross-listed in two or more departments have been counted only once. The listing excludes courses in literature and languages, art history, education, management, etc. Only courses offered at the indicated campus are included; those offered at consortium partner institution are not counted.

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The Latin American languages and literature program at UNM likewise is extraordinarily well developed, and was singled out in the last Carter Report as "strong" and "attractive." The full range of degrees up to and including the PhD is offered in both Portuguese and Spanish literature and linguistics, and Quechua is taught at the undergraduate level. The language learning facilities at UNM are among the most modern and well-equipped in the nation. The number of language and literature courses in Spanish, Portuguese and Quechua at UNM totals 123.

The number of Latin American language and area scholars employed by UNM is also believed to be unequalled by any other institution, although it was impossible to assemble current data to demonstrate this. Table II presents an analysis of this faculty by major fields. What should be noted is that the vast majority of this faculty represent fields in which the teaching of area studies as such takes place. A smaller number of faculty represent technical fields such as medicine, natural science, and engineering. Although these faculty do not instruct in area studies per se, their research, field, and teaching experiences in Latin America have led them to play an extremely active role in the development of the Latin American program, as well as in technical assistance.

The total number of Latin Americanist faculty at UNM has risen sharply over the last three years, increasing by 31 persons to reach its present total of 138. The size of these additions is particularly impressive since this period was not one of great expansion in overall faculty size at the university. The improvement can be attributed to

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administrative support, the visibility and success of the overall Latin American program, and the effective operation of the new organizational structures in place at UNM.

TABLE II

DISTRIBUTION OF UNM LATIN AMERICANIST FACULTY*
by Major Fields
1980-1981

HUMANITIES.....	34
SOCIAL SCIENCES.....	34
EDUCATION.....	12
FINE ARTS.....	12
MANAGEMENT.....	8
MEDICINE.....	7
ENGINEERING.....	7
NATURAL SCIENCES.....	4
LAW.....	4
PUBLIC ADMINISTRATION.....	3
OTHER.....	13
TOTAL.....	138

*Defined as faculty involved in teaching, research, and/or administrative activity directly related to Latin America.

The University of New Mexico presently offers 24 terminal degree or dual-degree programs or concentrations in the Latin American field at undergraduate and graduate levels. In addition to study in the

humanities, social sciences, fine arts, and multi-disciplinary area studies, degrees or dual degrees are offered combining Latin American area specialization with professional training in fields such as international management, educational administration, and public administration. During the period 1972 to 1980 UNM granted 266 master's degrees and 136 doctoral degrees in Latin American fields.

The UNM degree programs in Latin American fields are not only numerous and innovative, but maintain high standards of quality that have attracted national attention within disciplines. As mentioned, the Cartter Report found the language and literature program to be strong and attractive. The nationally-distinguished program in Spanish has been newly strengthened by the addition of a full professor, Gustavo Sainz, probably the leading novelist of Mexico's younger generation writers. The Luso-Brazilian program, with the nation's largest enrollments, was evaluated two years ago by a team of outside experts including the late distinguished Lusitanian specialist, Dr. Jorge de Sena, and found to be exemplary.

The reputation of the program in Latin American Art History, which added two new faculty in the last two years, is best summed up in the following assessment in the Research Center for the Arts Review (Vol. II, No. 3, July, 1979):

A glance indicates that graduate activity has been particularly strong in the Northeast, with the University of New Mexico the only comparable center in the Southwest... Columbia, which has been prolific in graduating scholars in the 70's, and Yale, which currently has many students in the final stages of completion, can now look to New Mexico as another center of great activity.

The new Ph.D. program in the Sociology of Latin America is the only one of its kind in the country. As part of this program, the curriculum was revised to offer a complete sequence of nine sociology courses for graduate credit dealing primarily with Latin America. At present the Latin Americanist sociology faculty includes six persons, four of whom are native Spanish speakers. Two more faculty are being added next year, one at the junior level and one in a senior level, and twelve students are currently in the Latin American Ph.D. track. Success of the program is envinced by external support of students: two have received Inter-American Foundation grants, two have been awarded Title VI fellowships, one is holding a fellowship from the Social Science Research Council.

A particularly noteworthy development in the College of Education was the inauguration in January 1980 of an MA program in Education Administration and Supervision, offered entirely in Spanish and intended to benefit school officials and ministry of education personnel from Latin American nations as well as Spanish-speaking school administrators from the United States. The program is limited to twenty-five candidates, and all positions were filled at the start of operations. Latin American nations represented among the enrollees are: Costa Rica, Paraguay, Venezuela, Honduras, Peru, Guatemala, and Bolivia.

In 1980 the UNM Faculty Senate approved the inauguration of a second dual-degree program with a professional school, based on the highly successful original joint degree program in Latin American Studies and Management, which has since been duplicated on a number of other campuses. The new dual degree program involves the MA in

Latin American Studies and the Master of Public Administration. Planning is currently underway with the School of Architecture for a similar proposal involving Latin American Studies and City Planning.

Another innovative program is the interdisciplinary Ph.D. in Ibero-American Studies. Its curriculum emphasizes rigorous training in both History and Spanish/Portuguese language and literature. During the 1979-80 academic year, the 29 graduates of this program were asked to evaluate it: responses were highly favorable. All 29 graduates have been placed in professional positions, the majority in departments of history or modern languages. Frederick Nunn of Portland State University was the first graduate from the program, in 1963.

Other academic programs which should be singled out for special mention include the program in Meso-American archeology. With faculty such as Jeremy Sabloff, Robert Santley, Linda Cordell, Peter Harrison, Lawrence Strauss, and Lewis R. Binford, it is probably without equal. The International Management program in the Anderson School of Management emphasises Latin America, and has been exceptional in quality, drawing on a strong team of eight specialists with Latin American expertise. Other programs of traditional strength in the Latin American field include History, reinforced by the addition of Professor John J. Johnson, formerly of Stanford, and Political Science, which now has six specialists working and teaching on Latin American topics. The Linguistics Department is also worthy of mention for its well-regarded program in Indian

languages of Latin America.

One of the benefits of the Consortium between UNM and NMSU has been the use of faculty from both campuses for joint curricular efforts. A first step in this direction was the introduction of a freshmen-level course, "Introduction to Latin American Studies," taught simultaneously on both campuses. Faculty from both campuses participate in the course, travelling to the sister campus to present guest lectures. Student response has been excellent. The increasing interaction between faculty of the two institutions has also led to use of guest faculty from the counterpart campus in several other courses. Plans to introduce a joint graduate seminar held simultaneously on each campus and linked by two-way television had to be postponed due to technical problems; however, new equipment is being installed and should make this possible in the near future. In general, the contacts between faculty resulting from Consortium meetings have been perceived by both groups as highly beneficial and helpful in complementing the two programs, allowing UNM to draw on NMSU strength in Central American, border, and popular culture studies, and NMSU to make use of UNM resources in Luso-Brazilian, Andean, and public policy studies. The high local visibility of this inter-institutional cooperation between two universities which in the past were traditional competitors has also been a significant positive factor.

6. EXTRA-CURRICULAR ACTIVITIES

Extra-curricular activities have been an important avenue for intellectual development. Both the LAI and the Student Organization for Latin American Studies (SOLAS) have carried out extremely busy extracurricular programs. SOLAS, for example, sponsors a brown-bag lunch every Wednesday at the LAI building, presents its own speakers and public events, and has been involved with a number of other community groups in sponsoring a wide range of activities. An idea of what has been accomplished can be demonstrated by a brief review of SOLAS activities in February, 1981, alone. SOLAS sponsored a benefit dance on behalf of a Latin American movement, a letter-writing campaign on behalf of a missing Chilean social worker, a meeting with a Career Services officer on jobs in Latin American fields, a panel for student papers at the annual meetings of the Rocky Mountain Council for Latin American Studies, and co-sponsored a benefit dinner for human rights victims in Central America. This very busy pace has been kept up throughout the year.

The Latin American Institute has been equally active in the extra-curricular field. Its Latin American Colloquium series has presented more than 50 separate speakers and panels in the last two academic years, 31 of which appeared in the current academic year.

Apart from the Colloquium series, the following special events were sponsored in whole or part by the LAI over the last year:

- 1) Annual Meetings of the Seminar on the Acquisition of Latin American Library Materials (SALAM). The Latin American

Institute participated in the planning and funding of the 25th Annual Meetings of SALALM held in Albuquerque from June 1st through 5th, 1980. The topic of the seminar was "Library Resources on Latin America: New Perspectives on the 1980s." Meetings were held at Zimmerman Library and at the Albuquerque Convention Center.

- 2) Summer Linguistics Institute. The LAI helped support the 50th Institute of the Linguistic Society of America held in conjunction with the Teachers of English as a Second Language (TESOL) meetings at UNM from June 16th through August 8, 1980. Of particular interest to Latin Americanist were the Andean workshop headed by Prof. Rodolfo Cerrón Palomino of Peru and Prof. Garland Bills of UNM, both specialist in Quechua, and the short course on Luso-Brazilian dialectology taught by Prof. Lindley Cintron of the Universidade de Lisboa, Portugal.
- 3) U.S.-Mexican Seminar on Undocumented Migration. With support from the International Communications Agency, the LAI organized in 1979-80 a major conference which was held in September, 1980, in Mexico City, on the subject of undocumented migration between the U.S. and Mexico. The sessions were held at the Centro de Estudios Económicos y Sociales del Tercer Mundo (CEESTEM), a co-host of the Seminar, and involved the participation of more than fifty Mexican and American experts. The events of the seminar were widely reported in the Mexican, American, and international press.

4) Mexican Film Festival. From April 20-23, 1981, the LAI co-sponsored with the Southwest Hispanic Research Institute a festival featuring five important Mexican films, together with lectures by three eminent Mexican scholars: Dr. Rolando Cordera, political economist, UNAM, Dr. Rosario Green, Research professor in International Relations, CEESTEM, and Mr. Carlos Monsivais, leading Mexican essayist.

5) Cuba Week. In the first week of May, 1981, LAI presented the third in its week-long series of events devoted to the history and culture of a Latin American nation, in this case, Cuba. Events include films, speakers, an exhibit of posters, musical events, and a panel of Cuban experts including Prof. William Leogrande of Washington and the head of Cuba's diplomatic mission in Washington, Ambassador Ramón Sánchez Parodi.

Special mention should also be made of the LAI's close working relationship with the Southwest Hispanic Research Institute (SHRI), a sister institute which focuses on Chicano and Southwestern research. SHRI is structurally modelled after the LAI, is housed temporarily in the LAI building, and shares several policy board personnel with the LAI. The SHRI and LAI directors both sit on each other's boards. Staffing, however, is distinct. These two institutes have conducted a variety of joint activities together, such as the Mexican Film Festival, and their cooperation and good relations have avoided the development of resentments and rivalry of the sort which occasionally

emerge between area centers and ethnic studies centers.

7. FACULTY RESOURCES

In addition to ongoing support for faculty, a key indicator of real institutional commitment to the Latin American program is the growth of language and area center faculty. During the last two years, in which the New Mexico Consortium has been a federal funded center under the Title VI Program, the growth of faculty resources at UNM has been nothing short of remarkable, exceeding all previous accomplishments. Over the past two years UNM has added 37 Latin Americanist faculty and lost 6, for a net gain of 31 faculty. A list of the new faculty added in the last two academic years, by discipline, is presented in Table III (see following page for Table III).

8. LIBRARY RESOURCES

The Latin American collection at Zimmerman Library compares favorably in size with those of other leading Latin American collections. At the close of the 1980-81 academic year, total holdings included more than 1.1 million books and serial volumes, of which the Latin American collection totaled approximately 200,000 volumes. The growth rate of the Latin American collection is about 11,000 volumes per year. These figures stand up well against those of other leading Latin American programs, as illustrated in Table IV.

UNIVERSITY OF NEW MEXICO

New Additions to Latin Americanist Faculty 1979-81

ANTHROPOLOGY	Bledsoe, Caroline	Assistant Professor
ART HISTORY	Clancy, Flora Grizzard, Mary Mathews, Zena	Lecturer Assistant Professor Visiting Asst. Professor
ECONOMICS	Andrea, Roger* Norton, Roger Salas, Javier	Assistant Professor Professor Assistant Professor
EDUCATION	Eagan, Deborah Engelbrecht, Guillermina Nihlen, Ann	Assistant Professor Associate Professor Assistant Professor
HISTORY	Bryan, Patrick* Hordes, Stanley Johnson, John J. Maciel, David	Lecturer Lecturer Professor Associate Professor
LINGUISTICS	Strauss, Steven	Assistant Professor
MANAGEMENT	Jordan, Jerry Robles, Fernando	Professor/Dean Assistant Professor
MEDICINE	Hayek, Alberto Paradelo, Jorge	Assistant Professor Assistant Professor
MODERN LANGUAGES	Carter, June González-Berry, Erlinda Planells, Antonio Saenz, Gustavo*	Assistant Professor Assistant Professor Associate Professor Professor
PHILOSOPHY	Casalis, Mattieu	Associate Professor
POLITICAL SCIENCE	Black, Jan Harris, Fred Morris, James	Associate Professor Professor Assistant Professor
SOCIOLOGY	Flores, Estevan Major, Johanna Mendelberg, Uri Tiano, Susan*	Visiting Lecturer Visiting Lecturer Visiting Asst. Professor Assistant Professor
THEATRE ARTS	Encinias, Eva Hansen, Brian Velásquez, David	Instructor Professor/Chairman Assistant Professor
OTHER	Moynahan, Sharon (Library) Weeks, Susan (Law Library) Wilson, Luther (UNM Press)	Instructor Instructor Director

* Appointment effective August, 1981

TABLE IV

LATIN AMERICAN HOLDINGS AT SELECTED MAJOR UNIVERSITIES*

<u>Institution</u>	<u>Volumes</u>
University of New Mexico	200,000
University of Florida	160,000
University of California, Los Angeles	150,000
University of Pittsburgh	140,000
Tulane University	120,000
Arizona State University	90,000

*Sources: Promotional literature of the programs listed or Title VI grant applications. Figures rounded to the nearest 10,000.

The distribution of UNM library materials at the close of the current academic year can be summarized as follows:

TABLE V

DISTRIBUTION OF UNM LIBRARY HOLDINGS

	<u>Books</u>	<u>Periodicals*</u>	<u>Newspapers</u>
English-language	22,000	120	4
Spanish-language	148,000	700	25
Portuguese-language	<u>27,000</u>	<u>100</u>	<u>5</u>
TOTALS	197,000	920	34

*Subscriptions

With specific reference to the development of the Latin American collections, the library maintains eleven blanket order plans under

which it acquires current monographic literature from Latin America and Portugal. Current materials from Spain are acquired through a special approval plan. A major accomplishment of 1980 was the redrawing of all eleven blanket order plans, following a careful analysis conducted campus-wide. English language materials germane to Latin American area research are acquired through three principal means: title-by-title ordering, coverage provided by the Library's major English-language approval plans, and standing orders for important monographic series.

Although the acquisition of Latin American materials operates, as is the case for all types of materials, within the constraints of a limited budget, the library has sought to overcome these limitations by initiating special projects and by working with and enlisting the support of a number of outside agencies--locally, regionally, and nationally. Projects which the Library has either completed in 1980 or currently has underway include:

1. Submission of a grant proposal (in June 1980) to NEH to help fund analysis and production of an annotated guide to the Library's holdings on Mexico and Mesoamerica, such guide to be distributed widely throughout the United States, Latin America, and Europe. This project, currently under review by NEH, would form a cooperative venture entered into by the UNM General Library, the UNM Press, and the University's Latin American Institute. (Approval of the proposal was received in July, 1981.)

2. Development of a Title II-C grant proposal, submitted to the U.S. Office of Education in early 1981, under which the General Library would augment its already very substantial research holdings in Mexican and Luso-Brazilian studies. Subject fields emphasized in this proposal include photography, art history, history, travel literature, and statistical source materials.

3. Development of a grant proposal, submitted to appropriate funding agencies in mid-1981, to strengthened the Library's holdings in the area of Latin American religious history and literature, with a particular emphasis on the field of liberation theology.

4. Development of a regional consortium for the acquisition of materials from the northern Mexican states, such materials to span all subject fields, including U/S.-Mexican border issues. This consortium, which will serve as a cooperative acquisition and resource-sharing program, is expected to begin functioning in mid-1981. Its initial membership will include the University of New Mexico, the University of Texas at Austin, and Arizona State University.

These four projects have been supplemented by several other noteworthy developments. The Library continued, during 1980, to demonstrate its strong commitment to Latin American area research by allocating special funds for the purchase of three valuable retrospective sets: 1) ALMANACHE DE LEMBRANCAS LUSO-BRASILERAS.

1851-1932. 88 vols. (a complete run of this rare and unusual almanac, one of the finest exemplars of nineteenth and twentieth-century Luso-Brazilian belles letters) 2) ELEMENTOS PARA A HISTORIA DO MUNICIPIO DE LISBOA. 1882-1911. 19 vols. (an indispensable work for the history of Lisbon and of Portugal.) 3) MEMORIAS DE LA ACADEMIA MEXICANA DE LA HISTORIA. A substantial backfile was purchased to complete the Library's holdings of this serial (of vital importance as a documentary source for Mexican history).

9. OUTSIDE FUNDING

An area of particular success during the 1980-81 year has been the generation of proposals for outside funding. These proposals have involved the energies of not only the LAI staff, but also of many faculty from a variety of departments. LAI Executive Director Gilbert W. Merkx and Associate Director Theo Crevenna made a number of trips to New York and Washington for the purposes of exploring funding opportunities with foundations and government agencies. The information obtained was transmitted to a number of LAI staff and faculty working groups, which drew up the various proposals submitted.

Funds from outside sources available during the 1980-81 academic year totaled more than 293,000 dollars from ten different sources. Particular attention should be called to the impact funding from the Office of International Education to support the LAI as a National Resource Center for Language and Area Studies. A successful proposal

for renewal of this grant was prepared early in 1981, and has resulted in continuation of the funding for a new two year cycle. Funding levels for 1981-82 are 100,000 for the center (split on a 2:1 basis with NMSU) and approximately 33,000 for student fellowships. Another successful proposal to the same Office of International Education resulted in a grant of \$35,000 for the first year of an innovative program to introduce an undergraduate program in "Colonialism and Its Legacy," designed to bring together specialists in all world areas.

The status of proposals for outside funding already successful, under submission, and under development, is described in the following three tables (pages 23, 24, and 25).

10. OVERSEAS ACTIVITIES

During the 1980-81 year, the overseas activities of the LAI have been expanded and somewhat changed in emphasis, particularly with respect to opportunities for study abroad. UNM had previously maintained its own center of studies overseas, the Andean Study and Research Center in Quito, Ecuador. This was in many respects a first-class but expensive operation: faculty and staff (both U.S. and Ecuadorian) were UNM employees, and courses taught were drawn from the UNM curriculum. The costs of the Andean Center in relation to the student population served were high, and the costs to students over time began to escalate as inflation caused sharp increases in air fares and Ecuadorian prices. Other state institutions made an

APPROVED GRANTS 1981-82

<u>Project Title</u>	<u>Funding Agency</u>	<u>Approved Budget</u>						<u>Comments</u>
		<u>Total Budget</u>	<u>Indirect Cost</u>	<u>Library Purchases</u>	<u>Faculty Release</u>	<u>Staff Support</u>	<u>Effective Period</u>	
Latin American National Resource Center and Fellowships	Office of Intl. Education, US Dept. of Education	109,378	4,445	5,000 *5,000	16,100	--	8-15-80 8-14-81	*Carried over from 79-80
Latin American National Resource Center and Fellowships	Office of Intl. Education, US Dept. of Education						8-15-81 8-14-82	Approved Budget level in negotiation
Mexico/US Seminar on Undocumented Migration	International Communications Agency	30,575	8,063	--	900	--	1-1-80 8-31-81	
Peace Corps Recruitment	Action/Peace Corps	8,000	1,939	--	--	4,625	9-30-80 8-31-81	Being resubmitted
TV Documentary on Undocumented Migration	New Mexico Humanities Council	52,704	--	--	--	--	3-4-79 8-31-81	
Cuba Panel	New Mexico Humanities Foundation	2,850	--	--	100	221	3-28-81 7-30-81	
Tinker/UNM Summer Research Grants	Tinker Foundation	20,000	--	--	--	--	1-1-81 9-15-81	Being resubmitted for 82 UNM contribution \$5,000
Translations for <u>HAHR AND LARR</u>	Tinker Foundation	15,000	--	--	--	--	7-1-81 6-30-84	Three year grant
Fulbright Visiting Lecturer	Council for International Educational Exchange	15,000	--	--	--	--	7-1-81 6-30-82	
Latin American Labor Bibliography	UNM Foundation	1,800	--	--	--	1,500	7-1-81 6-30-82	
Undergraduate Intl. Studies "Colonialism and Its Legacy"	Office of Intl. Education US Dept. of Education	35,000	2,593	4,000	18,500	--	7-1-81 6-30-82	
TOTALS		293,007	17,040	14,000	35,600	6,346		
17% Fringe Benefits					6,052			
					41,652			

		<u>GRANTS SUBMITTED</u>		<u>Budget Requested</u>				
<u>Project Title</u>	<u>Funding Agency</u>	<u>Total Budget</u>	<u>Indirect Costs</u>	<u>Library Purchases</u>	<u>Faculty Release</u>	<u>Staff Support</u>	<u>UNM Proposal No.</u>	<u>Comments</u>
World System Role and Political Instability	National Science Fdn.	55,744	15,350	--	22,967	5,400		Submitted 1-13-81
Technical Asst. to Biblioteca Ecuatoriana	Organization of American States	8,391	--	--	--	1,095		Submitted 1-13-81
Intl. Research and Studies	Office of Intl. Ed. US Dept. of Education	57,409	15,808	--	22,464	7,067	124-23	Submitted 4-23-81
Advanced Seminar on Population and Politics in Latin Am.	Caswell Silver	32,350	1,550	--	--	--	n/a	Informal Presentation 4-8-81
Summer Institute on Brazilian Studies	National Endowment for the Humanities	118,029	15,395	--	21,410	2,186	124-24	Submitted 6-30-81
Intl. Understanding/Teacher-Fellows	Office of Intl. Ed. US Dept. of Education	<u>69,814</u>	<u>5,171</u>	<u>--</u>	<u>--</u>	<u>4,434</u>	124-25	Submitted 7-20-81
	TOTALS	341,737	53,274	--	66,841	20,182		
					<u>11,363</u>			
	17% Fringe Benefits				78,204			

GRANTS UNDER DEVELOPMENT 1981-83

<u>Project Title</u>	<u>Funding Agency</u>	<u>Budget Estimates</u>					<u>Cooperating Unit</u>
		<u>Total Budget</u>	<u>Indirect Costs</u>	<u>Library Purchases</u>	<u>Faculty Release</u>	<u>Staff Support</u>	
Fulbright-Hayes: Group Projects Abroad	Office of Intl. Ed. US Dept. of Education	45,000	3,600	--	8,000	4,000	
Fulbright-Hayes: Foreign Curriculum Consultants	Office of Intl. Ed. US Dept. of Education	14,000	1,120	--	--	--	
Latin American/ Chicano Ctr. Directors Mtg.	Natl. Endowment for the Humanities/Ford Fnd.	40,000	6,000	--	--	2,500	LASA Hispanic Task Force/SHRI
Energy Information Transfer to Latin America	AID/Inter-American Foundation/NTIS	300,000	120,000	--	20,000	8,000	UNM's Technology Application Ctr.
Mexican Studies Consortium	Ford and Rocefeller Foundations	95,000	19,000	4,000	--	8,000	Univ. of Texas, UCLA, Univ. of Arizona NM State Univ.
Inter-American Ctr. for Indian Policy	Inter-American Fdn., Ford and Tinker Fdns.	95,000	38,000	4,000	30,000	9,000	UNM Law School, Indain Law Ctr.
Institutional Support Grant	Mellon Foundation	300,00	--	5,000	75,000	15,000	
UNM/UNAM Agreement/ Implementation Support	Ford Foundation/ Rockefeller Fdn.	90,000	18,000	--	20,000	8,000	
Women in Development	Ford Foundation	70,000	14,000	2,000	10,000	6,000	UNM's Sociology Dept.
Jews in Latin America/ A Conference	Various Jewish Groups	<u>85,000</u>	<u>34,000</u>	<u>--</u>	<u>10,000</u>	<u>15,000</u>	
	TOTALS	1,094,000	253,720	15,000	173,000	75,500	

effort to join with UNM in maintaining the Center, but were unable to provide their share of the funding.

In addition to the Andean Center, the LAI offered a number of other study abroad opportunities. Therefore, at the close of the 1979-80 academic year, the decision was reached to cease operation in Quito, place more emphasis on other study abroad opportunities, and perhaps most significantly, to use the savings from the Quito operation to fund new initiatives in Mexico.

In many respects the historic, ethnic, and cultural characteristics of New Mexico make Mexico a logical focal point for overseas activities. Extensive ties with Mexican institutions already existed, and during the 1980-81 academic year funds released from the Quito operation were utilized to develop these relationships further, as well as to expand recruitment of students for exchanges with educational institutions in other Latin American nations.

As a consequence of these efforts, together with other initiatives which have led to new sources of outside support for study and research in Latin America, the overseas activities of the UNM program have reached a more diversified, and more exciting, stage of development. The following information groups these activities according to type, for the sake of clarity.

The exchange agreement between UNM and UNAM (La Universidad Nacional Autónoma de México.) In December, 1980, the President of UNM and the Rector of UNAM signed what is probably the most far-reaching agreement ever reached between U.S. and Latin American universities.

This agreement took nearly two years to develop, and had as a foundation extensive individual contacts between faculty at the two institutions and previously signed agreements between the UNM and UNAM law schools and medical schools. The LAI was the university entity which developed the overall convenio, and is charged with implementing the agreement and carrying out the policies established by a joint commission of the two universities.

The two universities agreed to carry out a wide-ranging series of exchanges and cooperative projects, some of which are already under way. Among these are: the establishment of a "faculty-visitor" program, in which faculty from sister departments will spend at least a week at the counterpart program; the marketing and co-publication of books from the two universities presses; the exchange and broadcast of educational radio programs; the exchange of both undergraduate and graduate students; cooperative research ventures and joint colloquia; the exchange of musical and theatrical groups; the mounting of museum exhibits in each other's museum facilities; the establishment of joint research library cooperation and book exchanges, and regular semi-annual meetings of the Exchange Commission of the two universities, alternating between Albuquerque and Mexico City.

Among the activities already realized or budgeted for the current semester are: implementation meetings in both Mexico City and Albuquerque, the exchange of 12 faculty under the faculty-visitor program; visits to Mexico City by the Directors of the UNM Press, the UNM television station, and the Dean of the UNM libraries; the sending of a UNM theatrical company

and musical ensemble to Mexico City; and symposia by UNAM faculty in connection with UNM's Mexican Film Festival. UNM students already are admissible to the Escuela para Extranjeros at UNAM. Under discussion at present is the possible opening of a UNAM branch campus at UNM and the establishment of a special study program for UNM students at the ACTLAN campus of UNAM.

Exchanges between UNM and other Mexican institutions. The LAI has provided strong support for the close working relationship between UNM's Anderson School of Management and the Instituto Tecnológico de Monterrey, Mexico's leading private institution. For the past four years two Visiting Distinguished Lecturers from Monterrey have been brought to UNM for one week each to participate in International Management courses, and two UNM Faculty members have performed similar services at Monterrey. One UNM Ph.D. student in Management is teaching at Monterrey's Mexico City campus.

The LAI has also provided funding for the Binational Cooperative Agreement reached in 1980 between UNM and the Instituto Tecnológico de Chihuahua. This pact, developed by the Latin American Programs in Education, provides for 1) academic exchanges, 2) applied research, 3) cultural exchanges, 4) sports exchanges, 5) vocational-technical professor training, and 6) sharing of administrative experience. Since the signing of the agreement, UNM has sent cultural groups, faculty, and student sports teams to Chihuahua on a regular basis, and has received a constant stream of groups and visitors from Chihuahua.

UNM also has two summer studies programs, one at the Universidad

Autónoma de Guadalajara and the other at various locations in Spain, both with courses taught in English and Spanish by UNM professors. These typically provide foreign language and area experience for thirty to forty students. The Modern Language Department also sends a group of approximately 20 Spanish-Language students to Mexico every summer.

Other active relationships and agreements exist with the Universidad San Nicolás de Hidalgo in Michoacán, and with the Universidad de Chiapas at Tuxtla Gutiérrez. Close working relationships without formal agreements exist with the Centro de Estudios Económicos y Sociales del Tercer Mundo in Mexico City, which co-sponsored the U.S.-Mexico Seminar on Undocumented Migration with UNM last September, and with faculty and administrators at the Colegio de México and the Colegio de Michoacán.

Exchanges and agreements with other Latin American institutions.

UNM maintains active relationships with institutions in a number of other Latin American countries. Six students are currently enrolled at the University of Costa Rica through the University of Kansas study abroad program there, one is in Manaus, Brazil, and several are doing field work in Latin America in affiliation with other institutions. The following list summarizes the arrangements with other Latin American institutions:

In Argentina: An agreement with the Universidad John F.

Kennedy in Buenos Aires for student and faculty exchanges.

In Brazil: An agreement with the Universidade de São Paulo

for the exchange of faculty in Geology, Management, and Economics.

In Costa Rica: Participation in the University of Kansas-Universidad de Costa Rica study abroad program.

In Uruguay: An agreement with the Instituto Interamericano del Niño of the Organization of American States, for faculty and technical exchanges.

Overseas field research support. UNM has traditionally provided some support to its faculty and graduate students for research abroad through the faculty and student Research Allocations Committees. During the last two years such support has been greatly expanded by a grant to the LAI from the Tinker Foundation for Summer Field Research in Latin America by junior faculty and graduate students. The Tinker grant, of \$15,000 per year renewable for a three-year period overall, was matched by a \$5,000 grant from UNM, which has permitted the LAI to offer \$20,000 each of the last two years for student and faculty research in Latin America. Students and junior faculty are selected in a campus-wide competition by an LAI faculty committee. During the summer of 1980 six junior faculty and twelve graduate students were in Latin America on these grants; during the summer of 1981 six junior faculty and sixteen graduate will be in the field overseas. Countries in which research has taken place include Bolivia, Colombia, Brazil, Peru, Ecuador, Cuba, Barbados, Mexico, Costa Rica, Panama, Honduras, and Nicaragua.

UNM faculty and graduate students have also benefitted from other outside support for overseas activities. Granting agencies which have funded research in Latin America by UNM faculty and students during

the last two years include the Social Science Research Council, the Fulbright-Hays program, the New York Zoological Society, the National Geographic Society, the Inter-American Foundation, the National Science Foundation, National Endowment for the Humanities, the Gulbenkian Foundation, the Smithsonian Institution, and the International Communications Agency.

11. OUTREACH ACTIVITIES

Outreach activities of the LAI developed rapidly over the last two years, reinforced in large part due to sharing of contacts and resources with the consortium partner, NMSU. New ventures in museum support, use of radio and TV, conferences on research topics, teacher training, and curriculum workshops were undertaken with considerable success. Outreach activities can be summarized as follows:

Museums and Exhibitions. The LAI has supported efforts relating to Latin America undertaken by the Maxwell Museum of Anthropology and the University Art Museum. For example, the LAI provided substantial support to the Maxwell Museum for research trips necessary to the development of a major exhibit on the cremonial folk art of Michoacán, Mexico. This exhibit will reproduce inside the Maxwell Museum the interior of a church built by villagers who fled the lava of the volcano "Paracutín." Villagers from Michoacán will celebrate the cremonial cycle in this setting, and will share their rituals with Indians and Hispanic villagers from New Mexico who celebrate the same festivals. Traveling components from the exhibit will tour New Mexico, again with LAI support.

The LAI also provided travel assistance for the Casas Grande pottery exhibit featuring the work of Juan Quezada and other villagers from Chihuahua. Visits between the Casas Grande potters and local Indian potters were also a feature of this exhibit. The opening ceremony alone was attended by more than 400 persons. Similarly, the LAI has supported the Latin American activities of the University Art Museum, which included an exhibit of photographs by the Cuzco photographer Martín Chambi, an exhibition entitled "Spanish Colonial Paintings," and the development of a project for a traveling exhibition of "santos metálicos."

Poetry-readings. The Modern Language faculty of the LAI offered a highly successful series of Spanish poetry readings in villages and towns throughout the state. These were well attended and frequently emotion-laden events. The readings have now been recorded on a 12" LP disc, the proceeds of which go to a scholarship fund for Spanish-language students.

Mass Media. The LAI undertook an effort in the mass media, because of the large publics reached. Arrangements were made with television facilities at UNM and NMSU to tape two pilot TV programs on Latin America (called "Latin American Issues") using a McNeil-Lehrer format in order to draw on faculty and community resources of both programs. Technical transmission difficulties marred the first pilot, on U.S.-Mexican undocumented migration, but the second program, on the El Salvador situation, was successfully produced and is being edited for broadcast on Channel 22 in Las Cruces and other

educational stations in New Mexico. Funding from private and other sources is being actively sought to make possible a regular current-events series using the same format.

Under funding by the New Mexico Humanities Council, the Latin American Institute and the Center for Latin American Studies of the University of Arizona completed in 1981 the production of major documentary series for public television on the Problem of the Undocumented Worker. Participants included specialists from the Colegio de México and Mexican government agencies, as well as U.S. faculty from a variety of institutions. The series has been edited and will be ready for national distribution in the near future.

Summer Course for Teachers on "The Teaching of Latin American Studies." Twelve primary and secondary school teachers from Albuquerque and Santa Fe participated in a graduate course on the teaching of Latin American studies, with funding provided by the LAI from its Title VI monies. The course was coordinated by Dr. Guillermina Engelbrecht of the Department of Elementary Education at UNM and involved extensive use of Latin Americanist faculty to bring different disciplinary perspectives to bear on the subject matter. Course evaluations and comments from the teachers who took the course were highly enthusiastic. The course is to be repeated in the Summer of 1981.

Symposium/Workshop on the Teaching of Latin American Studies. This two-day symposium/workshop was held in Albuquerque on August 4 and 5, 1980, and was co-sponsored by the LAI and CLAS, using Title

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VI funds. Faculty from UNM, NMSU, and the University of Texas made presentations. The symposium/workshop was attended by thirty-three public school teachers from throughout the state of New Mexico, whose written evaluations were again extraordinarily enthusiastic. At the request of the teachers involved and public school officials, a second symposium/workshop has been scheduled for August, 1981, following the conclusion of the second offering of the course mentioned above on "The Teaching of Latin American Studies."

Institutional cooperation. As an outgrowth of the above activities, the LAI has developed close working ties with the Cross-Cultural Center of the Albuquerque Public Schools (the APS enroll about one-third of the students in the state). The Cross-Cultural Center and the LAI have together organized a program in which UNM faculty visit the public schools distributing "cultural awareness kits of materials on Latin America. In addition, the Cross-Cultural Center and the LAI have developed a major funding proposal for a "Teacher-Fellow Program", to permit the in-service training of regional public school teachers in Latin American studies at the University of New Mexico.

Prepared August 3, 1981.

2-287

The Report of the Women Studies Program
July 1, 1980 - June 30, 1981
Ann S. Nihlen, Coordinator

This year can be characterized by a solidification of past gains and direction. Last year we established course numbers for Women Studies; this year we worked on curriculum and syllabi to guarantee a strong academic base for the Program which would aid students in whatever field they chose within the University. In addition, we increased enrollments, embarked on a specially funded project and attended and/or worked on five different conferences statewide, regionally and nationally.

This year's class brochures listed a total of 18 courses funded by the Program. In addition, we had 14 courses which we cross-listed with traditional departments. For each of the Program's classes we developed a more standardized method of evaluation which also followed the new University method of student evaluation. The I.C.E.S. form allows for individuation of questions so that the faculty, as well as the Program, has ample opportunity to ask the kinds of questions which will most benefit the improvement of instructor and course. In addition, we established an instructor seminar for all faculty in the Program. Meeting about 3-4 times a semester it allowed for an exchange of ideas, development of a coherent and diversified Women Studies curriculum and acted as a forum for new ideas and discussion of teaching pedagogy. Lastly, it helped the newer instructors learn from the more experienced instructors in a lively exchange of issues and classroom management techniques. We plan to continue these seminars next year.

Two major projects were undertaken and completed this year. The first was a privately funded project on rape. The money was given to us by an anonymous doner to do research into the extremely high rape rate statistics in Santa Fe, New Mexico. The research was undertaken by one of our graduate students who did interviews, worked with the Rape Center in Santa Fe as well as Albuquerque and eventually put much of the data on computer. Though inconclusive in terms of why, she discovered that the statistics were problematical in the way they were developed; therefore leading most persons to misinterpret the results. The rape rate in Santa Fe is higher than most cities of its size and location; however, the rate is also much higher in Albuquerque than in comparable cities of its size. We hope to work with the Rape Crisis Centers in the future to develop better methods of gathering and analyzing statistics as well as the development of measures of prevention for women.

Our other major project was beginning an analysis of how to get a minor in Women Studies into the University. In various meetings with the Provost's office we were able to convince them that we must maintain our interdisciplinary nature through affiliation with their office rather than affiliation with one of the established Colleges such as Fine Arts or Arts and Sciences. The problem then becomes one of how to institute such a minor with a university-wide perspective.

The following eight points will guide our future work toward this important and strongly student-mandated goal: 1) we will receive no new money for the minor, 2) we will receive no new faculty, 3) we need to develop an historical account of our enrollments over the last ten years, 4) we must determine a clearer standard of prerequisites for our upper division courses, 5) we must document the employment possibilities for students who minor in Women Studies, 6) we must establish a position of Academic Advisor for the Program in order to effectively serve our students, 7) we must assure traditional Departments we will not take their enrollments, will not threaten their FTE's, and will merely enhance a student's career at UNM, not detract from other units. In line with this argument is the fact that Women Studies brings students to the University by our presence, an important fact as enrollments stay steady or begin to decrease within the greater university, and 8) we need to solicit information from the student on what they want a minor to include.

Next year we will begin the process of assembling the documentation we will need to present to the University committees which will evaluate our petition for a minor. Very important in this process will be a student questionnaire administered not only in Women Studies classes but also in various undergraduate and lower division classes throughout the University. Our faculty on the Women Studies Committee and on the Advisory Board will be most helpful in distributing the questionnaires in their departments.

This year was marked by a number conferences whose focus was to discuss Women Studies within the context of the University and within the greater community. We hosted, in November, the first state-wide New Mexico Women Studies Conference. The ideas for such a conference had been discussed by many of us throughout the state for years, and, with the help of the New Mexico Commission on the Status of Women, we were finally able to bring all of us together onto our campus. It was a wonderful day, full of meeting with old as well as new friends, and full of an exchange of ideas and strategies for increasing our courses on all the campuses in the state. Next year it will be held in Las Cruces, then in Las Vegas at Highlands, and then in Portales. It was a very exciting conference and we saw demonstrated the tremendous feeling of the widespread appeal of Women Studies, both from within the universities and colleges as well as from high school teachers, many of whom attended the event.

In the Spring members of the Program attended two important regional conferences. The first was the Fifth Annual Women's Studies Conference sponsored by the University of Northern Colorado Women's Studies Program in Greeley, Colorado. Called "Inequality: Confronting the Crises" it focused its attention on the relationship between white and minority feminists. Our participants were sponsored by Women Studies, Afro-American Studies, Chicano Studies and Native American Studies Programs and included Gloria de Tevis, Lotus Yee Fong, Loyola Gauna and Rita Gonzalez.

A month later several members of the Program went to Denver,

Colorado for a conference entitled "Adelante Mujer Hispana" sponsored by a wide coalition of women's groups in the Denver area. From both conferences came resource lists, bibliographies and content areas for our courses. The participants felt they had learned a great deal about our region and how we can all work together.

The National Women Studies Association, of which we are members, held its third annual conference in Connecticut. The conference theme was "Women Respond to Racism", and we were represented by several papers from New Mexicans. In addition, two members of the Program serve on the governing body of the Association, and we were involved for days in working out next year's conference in California as well as working out the myriad issues that are inherent in such an organization. It is productive work for us because we learn a great deal about the national scene and the issues and problems facing Programs. Additionally, it serves as a forum for us to talk about our Program and to continue our outstanding national reputation of service and academic rigor based in a regional perspective.

We were honored to work with a guest Professor in the Spring semester, Dr. Carol Smith-Rosenberg who was a visiting faculty in American Studies. She offered a short course of two weeks entitled "Sex and Symbols", which many of our students participated in. In addition, she gave a guest lecture for the University as a whole and a special presentation for Women Studies and our special friends. It was exciting to have such a distinguished scholar visit the campus, her ideas and enthusiasm excited our students as well as faculty

and proved what an impetus such an experience can be for all concerned.

This year we continued the very successful series of Brown Bag lunches we established last year. Held one day out of the week at noon and lasting only an hour we averaged 25-30 people for each lecture. The presentations included speakers who were faculty on campus, graduate students and community workers. They covered topics such as aging, oral histories, music, media, Native American women, rape, and issues around the nursing profession. We are enclosing copies of the brochures in the appendix.

In conclusion, we have had a busy year where we have gathered new ideas from a variety of sources through the conferences and our visiting faculty as well as locally. We hope to use all this energy and information to strengthen our courses and we move toward a minor in Women Studies. Our support from the University faculty is strong, our relationship with the central Administration is solid. We end the year with excellent staff committed to a viable Program.

WOMEN STUDIES PROGRAM
ADVISORY BOARD

Jane Abrams
Associate Professor
Art
New Art Building 140
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Anthropology 152
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X-2637

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Health, P.E. & Recreation
Johnson Gym B16d
X-2318

Lebra Rosenthal
Assistant Professor
Political Science
~~Humanities Building~~ Ortega Hall
X-5466

contents:

SEPT. 30

"FREDA KAHLO" SLIDE SHOW - KYLE FIORE

OCT. 14

"LA CHICANA" FILM - BEVERLY SANCHEZ - PADILLA

OCT. 28

RACISM IN THE WOMEN'S MOVEMENT - MARY ADAMS TRUJILLO

NOV. 11

CONTEMPORARY WOMEN POETS - ESSENTIAL RESOURCES

NOV. 25

WOMEN AND ATHLETICS - KAY MORGAN

"BROWN BAG" by Women's Center & Women Studies

TIME: NOON - 1:00 AT: UNM WOMEN'S CENTER
1824 LAS LOMAS N.E.

Women's Center Women Studies

present

Brown Bag Lunches

bring your lunch coffee & tea provided

discussion
follows short
presentation

at the
Women's Center
1824 Las Lunas n.e.

12:00-1:00

Thursday

1980

Sept 18

Dr. Anita Alvarez, Anthropologist
"Racism and Sexism in a Woman's
Profession?" or just "benign neglect?"
Considerations from "Nursing"

Oct. 2

Lynn Rosner
Director, Rape Crisis Center
"Rape Awareness Week"

Oct. 16

Dr. Ann Nihlen
Coordinator, Women Studies
"N.M. State Conference on Women Studies"

Nov. 6

Red Graves
Conference Facilitator
"Women and Aging"

Nov. 20

"Women's Trade Center"

60-69

Law and Public Policy

Women and the Law-private sphere (Pol. Sci. 300) WS 360
 Women and the Law-public sphere (Pol. Sci. 300) WS 361
 The Legality of Class-Based Discrimination: History
 of the 14th Amendment (now course to be WS 460)
 To be developed: a business and public management course

70-79

Topics

200
 300
 400

80-89

Education

Woman and Self-Education (Ed Fdns 384) WS can cross-list
 Sexism in Education (Ed Fdns 493) WS can cross list
 Women and Sports (Gen. St. 399) to be changed to WS 386

90-99

Fundamentals

*Intro to Women Studies WS 200
 Practicum (new course to be WS 390)
 Senior Seminar (new course to be WS 392)
 Independent Study (new course to be 3)

The Report of The
DIVISION OF CONTINUING EDUCATION
AND
COMMUNITY SERVICES

July 1, 1980 - June 30, 1981

Dr. Rupert A. Trujillo, Dean

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DIVISION STAFF

Division personnel as of July 1, 1980, consists of the following individuals:

Rupert A. Trujillo	Dean
Patricia A. Hauser	Assistant Dean
Nathaniel Archuleta	Director, CDA/HSST
Julia Baca	Clerical Specialist IV
Robert Barela	Program Specialist I
Mary Bullock	Registrar
Victoria Burke	Clerical Specialist IV
Christina Calcutt	Clerical Specialist V
Rosemary Chavez	Clerical Specialist V
Yvonne Chavez	Clerical Specialist II
Betty Cruz	Clerical Specialist V
Cheryl Delbeck	Clerical Specialist IV
Terry Double	Program Specialist II
Mary Evilsizer	Staff Assistant/Marketing
Susan Farber	Program Specialist I
Emily Gomez	Clerical Specialist II
Rena Griego	Staff Assistant
Laurie Kastelic	Clerical Specialist V
Carmen Maestas	Clerical Specialist V
Reyes Mazon	Program Specialist

Tony Oliver	Director of Credit Programs
Patricia Probst	Clerical Specialist IV
Joyce Robbins	Clerical Specialist
Mary Sanchez	Clerical Specialist IV
Ron Shibata	Director--Business Office/ Operations
Paul Suozzi	Special Projects Coordinator
Debbie Suttie	Clerical Specialist IV
Roland Tovar	Program Manager--Conferences and Institutes
Cynthia Turowsky	Clerical Specialist IV
Sandra Valdez	Administrative Secretary
Eva Valenzuela	Clerical Specialist IV
Joel White	Director of Community College

Terminations--Transfers--Resignations

Sandra Martinez, Administrative Secretary, August 1, 1980
 Audrey Esquibel, Clerical Specialist III, August 13, 1980
 Marijo Fink, Director of Operations, October 1, 1980
 Ann Nelson, Director of Summer Programs, October 1, 1980
 Billie Jean Mesa, Clerical Specialist IV, October 3, 1980
 Deborah Kane, Program Specialist II, October 10, 1980
 Paul Hermanson, Clerical Specialist V, November 30, 1980
 Mary McNatt, Clerical Specialist IV, November 30, 1980
 Lorraine Gutierrez, Clerical Specialist V, February 6, 1981

- Megan Lienau, Clerical Specialist IV, February 19, 1981
- *Daniel Atencio, CDA Specialist, May 15, 1981
- *Joann Baca, CDA Specialist, May 15, 1981
- *Elida Garcia, CDA Specialist, May 15, 1981

Promotions--Changes

- Rena Griego promoted from Clerical Specialist IV to Staff Assistant
- Mary Evilsizer promoted from Clerical Specialist III to Staff Assistant/Marketing
- Carmen Maestas promoted from Clerical Specialist IV to Clerical Specialist V
- Christina Calcutt promoted from Clerical Specialist IV to Clerical Specialist V
- Rosemary Chavez promoted from Clerical Specialist IV to Clerical Specialist V

* HSST/CDA Specialists are on a 9 month contract

UNIVERSITY STANDING COMMITTEE

Continuing Education University Standing Committee membership comes from various academic departments. The functions and duties of the committee, which are found in the Faculty Handbook, are as follows:

The Community Education Committee has responsibility for formulating and maintaining the general policies regarding branch campuses and undergraduate resident centers, and Continuing Education programs throughout the state, the Non-degree program, the Independent Study program, and the Community College. The Committee is specifically charged with the study of proper objectives of junior college level academic programs which are or may in the future be conducted by the University of New Mexico, and the kinds of academic curricula needed to achieve these objectives. The Committee shall also be concerned with the policy and scope of the Community Education/service programs of the University, as well as the operational policies of the University properties associated with the Continuing Education and Community Education's services programs, and other matters worthy of attention. The Committee evaluates budgetary policy and operation of the Division of Continuing Education and Community Services and advises the Associate Provost for Community Education on these matters. It is also a function of the Committee to advise the Associate Provost for Community Education in regard to any new appointment of a Dean of the Division of Continuing Education and Community Services.

Nine faculty members, including chairperson, nominated by the Faculty Senate; also one student member; also four community representatives recommended by the Associate Provost for Community Education and approved by the Faculty Senate; also the Associate Provost for Community Education, the Dean and Assistant Dean of the Division of Continuing Education and Community Services, the Dean of Library Services, the Dean of Admissions and Records, ex officio.

Standing Committee membership for the 1980-81 fiscal year consisted of the following:

CHAIRPERSON

Pat Duphorne, Nursing

FACULTY REPRESENTATIVES

John Aase, Pediatrics

Martin Bradshaw, Electrical Engineering

Greg Bowes, SATE

Myron Fink, Law Library

Mary Margaret Smith, Home Economics

Roland Watkins, Pharmacy

Rod Wagoner, College of Education

Joe Zavakil, English

STUDENT REPRESENTATIVES

Paul Kruse, Graduate Students

Cliff Nomberg, Undergraduate Students

COMMUNITY REPRESENTATIVES

Peter Chestnut, Chamber of Commerce

Leo Maes, Department of Human Services

Abel McBride, Albuquerque Public Schools

Ron Montoya, Office of Senior Affairs

Gene Romo, Department of Human Services

EX-OFFICIO REPRESENTATIVES

Alex Sanchez, Associate Provost for Continuing
Education

Paul Vassallo, Dean, Library Services

Robert Weaver, Dean, Admissions and Records

Rupert Trujillo, Dean, Division of Continuing
Education and Community Services

Pat Hauser, Assistant Dean, Division of
Continuing Education and Community Services

ACTIVITIES

BUREAU OF CONFERENCES, INSTITUTES, & SHORT COURSES (BC&I)

	1st. HALF	2nd HALF	TOTAL	GROWTH**	REVENUE INCR.<DECR>	TOTAL PARTICIPANTS
FY 76-77	23	24	47	23%	<14.6%>	2750
FY 77-78	18	12	30	<36%>	43%	2522
FY 78-79	8	26	34	13%	<37.7%>	1605
FY 70-80	27	42	69	103%	44.5%	2527
FY 80-81	51	92	143	107%		5801

**OVER PREVIOUS YEAR.

NOTE: Bordered areas designate period of planned restructuring of BC&I.

CONFERENCES, INSTITUTES AND SHORT COURSES

DATE	TITLE	PARTICIPANTS
	Health Implications of Radiation ³	
July 10-11	Grantsmanship and Proposal Writing--1.3 CEU's	58
July 13-19	Business Week	196
July 18-20	Media Access Ctr. Video ⁴	
July 28-29	Regional Cluster Training Center Short Course ⁴	
August 4-8	NM Vocational Education Association ³	
August 7-8	5th Annual In Situ--1.5 CEU's	98
August 7-9	Mormon Youth Conference	360
August 8-10	Video Workshop/Porta Pak and Editing ⁴	
August 14	Alternative Careers for Teachers--.8 CEU's	28
August 15	Alternative Careers for Nurses--.8 CEU's	58
August 16	Colorado School of Mines Conference	60
August 21-22	Executive Secretarial Seminar and Workshop--1.6 CEU's	30
August 28-29	Word Processing Seminars ³	
September 5-6	Effective Supervision Through Trans. Analysis--1.5 CEU's	17
September 11	Persuasive Personal Communications	19
September 12	Journalism Workshop - "Handling Foreign News"	18
September 12	Motivational Theories and Practices	11
September 15-17	Mine Inspectors Workshop	7
September 26-28	Video Workshop/Porta Pak and Editing	12

DATE	TITLE	PARTICIPANTS
September 26-30	Professional Illustration Techniques	14
September 27	Stressfree	23
September 27-28	The Commercial Artist: Design, Layout, Pasteup	11
September 27-28	Working, Living, and Playing With Kids--1.5 CEU's	9
October 1-3	Psychological Aspects and Uses of Writing--1.6 CEU's ¹	
October 3	Management Workshop - Time Management--.7 CEU's	24
October 3	Covering the Science Research Story	23
October 6-8	Multi-Media - Storyboarding and Script ¹	
October 10-12	Multi-Media - Photography A ¹	
October 16-17	Budgeting & Financial Management for Managers & Admin. ⁴	
October 23-24	Executive Secretarial--1.6 CEU's ⁴	
October 29-30	Color Consciousness ²	
November 1	The Artist Goes To Market	7
November 3-5	Advanced Illustration Techniques	10
November 7	Productivity Improve. Cost Contain. & Reduc. of Oper. Expen.--.7 CEU's	17
November 8-9	Rational Behavior Therapy--1.6 CEU's ¹	
November 13-14	Writing Workshop for Professionals -- 1.6 CEU's ¹	
November 15	Dealing Effectively With Stress--.7 CEU's	56
November 17-21	IRS Practitioners, Institute--2.4 CEU's	101
November 18	The Use of Spontaneous Art As a Means of Prevention	42

DATE	TITLE	PARTICIPANTS
November 19-21	Multi-Image Photography ⁴	
November 20-21	Executive Secretarial--1.6 CEU's	31
November 20-22	NSF Chattanooga Short Course	27
November 21	Values Clarification for Managers & Supervisors--.7 CEU's	9
November 22	Girl Scouts of America Exec. Mtg. ²	
November 22-23	Multi-Media Photography ⁴	
November 29-30	Commercial Art II	6
December 1-3	Quick Sketch Techniques	8
December 5-6	Guidance and Personnel	14
January 11-14	American Astronomical Society	523
January 19 - March 30	Directions for the Decade	35
January 30	Job Analysis Equitable Wages & Fringe Benefits--.8 CEU's	12
January 31	Financial and Tax Planning for Physicians and Dentists	49
January 31	Effectiveness Training for Admin. and Teachers--1 CEU	12
	Multi-Image - Animation Techniques ¹	
February 3-6	Basic Employment Development--2.8 CEU's	12
February 9-10	Continuing Professional Education	10
February 9-May 10	Certificate in Multi-Media Photography	
February 11-14	CDP Workshop ¹	
February 13-15	Exploring, Seeing and Drawing for Parents and Children	12
February 13-15	Getting Into Commercials ¹	

DATE	TITLE	PARTICIPANT
February 14	Skills For Single Living--0.8 CEU's	11
February 20	Cost Contain. Through Use of Staff Analysis and By Increas. ³ Productivity--.7 CEU's	
February 20-22	Astrology-Inner Vision: The Language of Harmonics	77
February 20-22	Video Workshop: Porta Pak--2.2 CEU's	5
February 21 and 28	Program Evaluation	10
February 25	Business Writing Skills for Managers & Supervisors--0.7 CEU's	12
February 26-27	Non-Traditional Adult Learning	15
February 27	Personnel Management--.8 CEU's	21
February 27-28	Advertising Skills-Starting Your Own Comm. Art Business ¹	
February 28	Transactional Analysis For The Single Person--0.7 CEU's	19
March 4	The Newsroom Getting Into TV/Radio News ¹	
March 6	Dealing Effectively With Stress---.7 CEU's	10
	TV Commercial Production ¹	
March 7	Skills For Emotional Expression--0.8 CEU's	18
March 9-10	Adult Education in Business and Industry	20
March 12-22	Flute Master Class	233
March 13-15	Record Album Cover Design Illustration ¹	
March 13	Skills For Self-Control of Habits---0.8	5
March 14	Co-op Conference, National Consumers Co-op	67
March 14-15	An Introduction To Painting In 3 Media	14

DATE	TITLE	PARTICIPANT
March 16-17	Technical Typing ¹	
March 16-19	Color Photography	8
March 18-19	Technical Typing ¹	
March 20	Alternative Careers For Nurses--0.8 CEU's	29
March 21	Alternative Careers for Teachers--0.8 CEU's	60
March 25-27	Grantmanship and Proposal Writing--2.0 CEU's	16
March 26-27	Executive Secretarial ⁴	
March 27	Effective Management as a Labor Relations Tool--.8 CEU's	12
March 27-29	Video Workshop-Porta Pak	3
March 28	Skills for Relationship Enrichment--0.8 CEU's	6
March 30	Directions For The Decade: Future Adult/Con't Ed.	35
April 1-3	National Coalition For Campus Child Care	53
April 3	Effectiveness & Assertiveness for Women Managers--.7 CEU's	16
April 3-5	Advertising Skills - The Magazine Artist	10
April 4	Skills for Stress Management In Families--0.8 CEU's ¹	
April 4	Latest Advances In Natal Astrology ³	
April 11-12	Introduction to Data Processing for Non-Data Personnel--1.2 CEU's	14
April 18	Skills for Self-Hypnosis and Creative Use of Writing--0.8 CEU's	15
April 18-19	Advanced Product Photography ¹	
April 19	Western Regional Honors Council ⁴	

DATE	TITLE	PARTICIPANT
April 20	Art of Negotiating--0.7 CEU's	25
April 20-22	Photo Journalism ¹	
April 23	"Burn-Out": Overcoming Exe. Mid-Life Career Crisis--1.5 CEU's	10
April 23-24	Executive Secretarial ⁴	
April 24-26	Video Workshop: Porta Pak ¹	
April 25-26	An Introduction To Painting In 3 Media	5
May 1	Time Management - On and Off the Job--0.7 CEU's ¹	
May 1-3	Multi-Image "Showtime" - The Recording Session ¹	
May 1-3	The Ad. Agency-Getting Into the Business ¹	
May 2-3	Chart Synestry ³	
May 2-3	Business Data Processing Systems Analysis & Mgmt Concepts-1.2 CEU's	8
May 7	Telephone Effectiveness--0.7 CEU's ¹	
May 8	Telephone Sales Seminar--0.7 CEU's ¹	
May 13	Learning & Teaching Techniques--0.7 CEU's ¹	
May 14	Personal Motivation and Achievement--0.7 CEU's ¹	
May 16	The Samurai Sword	19
May 24-28	Earthen Bldgs. In Seismic Areas	94
May 27-28	Executive Secretarial	21
May 30 - June 6	1st Annual Gerontology Institute--2.0 CEU's	47
May 31 - June 2	Miss Tennessee America	100
June 8 - 9	Guitar Building Workshop ¹	

DATE	TITLE	PARTICIPANT
June	Cactus & Succulent Society of America	550
June 8-12	RN State Board Review Session	42
June 11-13	Women In Business--2.0 CEU's	14
June 14-26	Real Estate Appraisal ⁴	
June	RCTC - Training ⁴	
June 24-26	New Mexico Quilters Association Merchants Mall/Exhibit	*450 1,140
June 27	Southwest Quilters Association	25
June 29-30	24th Midwest Symposium on Circuits and Systems	*208
June 30	Real Estate-Loan Resource	160

*Estimate - final figures not in yet

¹ Insufficient Enrollment

² Cancelled by UNM Bureau

³ Cancelled by Co-sponsor, and UNM Bureau

⁴ Postponed

The Report of The Community College
(Non-credit Course Program)
July 1, 1980 - June 30, 1981
Joel A. White, Director

Fiscal year 1981 has been a year of growth and adjustment for The Community College.

For the first time, prevailing economic conditions in the community significantly affected the planned growth of the program during Fall semester; yielding a marked increase in the cancellation rate. However, through last minute adjustments and program changes, a net 1.2% increase in enrollment over the previous semester was realized.

Spring semester programming concentrated on increasing off-campus offerings and additional sections of popular courses, without increasing the total number of classes offered. These programmatic changes coupled with an easing of the economic constraints in the community yielded a net 5% increase in total enrollment over the Fall semester. The cancellation rate also returned to the normal level of 16%.

Enrollment Statistics, FY'75 - FY'81

<u>FISCAL YEAR</u>	<u>TOTAL REGISTRATION</u>	<u>SEMESTERS</u>	<u>AVG. NUMBER OF STUDENTS PER CLASS</u>
'75	5046	Fall-2522 Spring-2524	24 22
'76	6541	Fall-3071 Spring-3470	23 24
'77	6675	Fall-3341 Spring-3334	24 24
'78	7697	Fall-3800 Spring-3897	25 27
'79	7897	Fall-3846 Spring-4051	24 22
'80	8803	Fall-4353 Spring-4450	23 22
'81	9222	Fall-4502 Spring-4720	21 21

Class Statistics, FY'75-FY'81

<u>FISCAL YEAR</u>	<u># CLASSES OFFERED</u>	<u># CLASSES CANCELLED</u>	<u># CLASSES ACTUAL</u>	<u># CLASSES CLOSED</u>	<u>AVG. TUITION FEE</u>
'75	Fall-117 Spring-143	6 20	103 115	N/A ---	N/A ---
'76	Fall-145 Spring-158	10 16	135 142	N/A ---	N/A ---
'77	Fall-148 Spring-151	12 15	136 136	N/A ---	N/A ---
'78	Fall-170 Spring-172	20 30	150 142	49 49	\$36. \$36.
'79	Fall-208 Spring-218	46 32	162 186	46 38	\$30. \$36.
'80	Fall-212 Spring-230	23 25	189 205	47 49	\$35. \$35.
'81	Fall-282 Spring-273	65 46	217 227	43 40	\$37. \$37.

Organizationally, clerical support was increased with the addition of a Program Assistant and a Clerical Aide (OCETA) to The Community College. Structural and procedural changes were implemented which created additional programming time devoted to location of facilities and program development.

As a result of these changes, seven new facility locations were arranged, (which will be programmed for during Fall 1981), the Real Estate Certificate and Spanish Language Program curriculum were reviewed, a Languages for Children Program offering French, Spanish and German was initiated and programming was increased in the Rio Rancho/Corrales areas.

Programs which promote family participation; these specifically designed for families - Cooking Together, Sign Language, and those classes which allow children to attend free or at a reduced fee - Astronomy, Patchwork & Quilting, Sewing, Orienteering, Magic, Personal Defense, to name a few; have established a large following among program participants. We are currently reviewing all course offerings to determine which classes can be adapted to a family oriented activity beginning in the following year.

Increasing programming for senior adults has resulted in a corresponding increase in participation by those persons

over 60 years old. Discounts to senior adults have also been standardized at the rate of \$15. per class offering, contributing to this increase.

Although programming for senior adults is not always cost-effective, the resultant community service impact more than accounts for the absence of any sizeable financial profit.

Cooperative programming between The Community College and University departments is currently being expanded to include BCMH/MRC, College of Engineering, Women's Studies, Medical Center Library, Physics and Astronomy, Cancer Center and Home Economics among others.

In addition to University departments, the downtown YWCA, APS, American Red Cross and several private entities are currently, or soon will be, working with The Community College in an effort to more efficiently deliver educational services, while at the same time increasing community accessibility to program offerings.

The policy changes concerning cancellation of classes, which were instituted during the preceding year, have had a lasting effect upon the registration process.

All classes have a minimum enrollment necessary, which is primarily determined by financial factors. By approaching the cancellation question from the standpoints of

1) Are there enough registrants to hold a viable class,
2) Are enough tuition revenues received for the class
to cover the basic costs, or can the basic costs be ad-
justed and 3) How many people will be affected by the
cancellation; the results yield less dissatisfied par-
ticipants, less administrative costs in processing refunds
and more people served; all without endangering the pro-
gram financially since the number of classes affected
is small.

The only negative result has been a slight drop in the
average number of students per class, which should stabil-
ize as the program increases. Consequential to the
growth of off-campus programming, cooperative offerings
and organizational changes mentioned, The Community Col-
lege will be offering, during the Fall 1981 semester,
over 30% more activities at a record number of off-
campus locations.

Through increased marketing, catalog distribution and
constant streamlining of the registration process, The
Community College hopes to attract increased community
participation from all segments of the Albuquerque
Metropolitan area.

CONTINUING EDUCATION (CEU) PROGRAM

The University of New Mexico Continuing Education Unit (CEU) Program is administered by the Dean of Continuing Education through the Bureau of Conferences, Institutes, and Short Courses.

CEU's give recognition on a national basis to individuals who seek to continue their educations or update their chosen fields and individual skills through participation in UNM sponsored non-credit programs.

One CEU is defined as ten (10) contact hours in an organized continuing education experience that has been approved by the UNM CEU Committee prior to the scheduled activity: ten contact hours result in 1.0 C.E. Units. The U.S. Office of Education's HEGIS course numbering system is used for the purpose of national CEU transferring.

The Registrar of Continuing Education maintains records of CE Units earned and furnishes to a participant, or his designee, an initial copy and subsequent copies upon request of an official transcript of units earned through UNM.

The following represents numbers of individuals who were awarded C.E. Units through the Division:

DIVISION C.E. UNITS AWARDEDPARTICIPANTS

	79-80	80-81
Bureau of Conf. & Inst.	838	930
Community College	546	192
Summer Programs	16	-0-
Other UNM Approved Activities	224	241
Total Partic. Issued C.E. Units	1624	1363

Child Development Associate/
Head Start Supplementary Training Project
Annual Report Program Year 1980-1981

Project Staff: Nathaniel Archuleta, Project Director
Christina Calcutt, Project Secretary
Daniel Atencio, Field Trainer
JoAnn Baca, Field Trainer
Elida Garcia, Field Trainer

The Child Development Associate (CDA)/Head Start Supplementary (HSST) project at the University of New Mexico was funded by the Administration of Children, Youth, & Families, Region VI in Dallas, Texas. The program was funded through a contract for one year to provide CDA training to Head Start programs in New Mexico. The scope of work for this contract specifies that through the CDA program, the University of New Mexico will provide CDA training to fourteen (14) Head Start grantees throughout the state. A total of one hundred and fifteen (115) Head Start employees will be provided training each regular semester in New Mexico. The HSST/CDA program was funded for \$110,490. to provide these services to Head Start programs throughout the state. This is an increase of \$47,517. from the previous year in funding and an increase of 57 Head Start employees eligible to participate in CDA training. During Fall 1980 a total of 106 students were registered for 6 semester hours of credit while working towards their

Child Development Associate credential. The course work was through the Department of Elementary Education with both resident and extension courses being offered. An average of 5 semester credit hours was completed by each CDA trainee with a total of 569 semester credit hours earned by CDA students.

Spring 1981 enrollment was 105 students in CDA training with each student registering for 6 hours of credit. A total of 579 semester credit hours was earned by all students during this semester. An average of 5 semester hours was completed by all students.

Training for Child Development Associate candidates was provided on-site as well as on-campus. All training was designed to compliment courses and requirements through the Department of Elementary Education and to count towards either an A.A. or a B.A. degree. This competency based training strived to individualize the training process for each student utilizing strengths and working on weaknesses. The basic areas covered in the training process were to:

1. Set up and maintain a healthy learning environment;
2. Build positive self-concepts and individual strengths in children;
3. Advance children's intellectual and physical competence;

4. Organize and sustain the positive functioning of children and adults in a group learning environment;
5. Bring about optimal coordination of home and center childrearing expectations and practices;
6. Carry out supplementary responsibilities related to the children's program (e.g. planning with other staff and attending to management functions);

(additional competencies required for staff working with bilingual/multi-cultural children)

7. Comprehend and communicate with children and adults in both English and the participants primary language.
8. Support the child's ethnic identity and self-concept by making cultural experiences as integral part of the daily program and supplemental activities.

These areas were part of the course work seminars, and on-site training provided during Fall and Spring semesters. The following courses were provided to meet the content areas and to afford CDA students the opportunity to earn college credit: Elementary Education 128, 192, 200, 292, 293, and 291.

Other students registered for credit, either with UNM or other New Mexico Universities, consisted of 15 students each semester. These students are in a category considered "protected students" which provides them the opportunity to continue their sought degree through Head Start Supplementary training. This year one of these students completed all requirements towards

her degree and graduated with a B.A. degree.

Assessment of CDA candidates was resumed in February of this year after Bankstreet College of New York was granted the contract to conduct CDA assessments nationally. There were no CDA assessments conducted in Fall of 1980 but during the Spring semester 1981 sixteen (16) Child Development Associate trainees through the program at UNM were assessed and found competent. These students received a CDA credential and now meet the Head Start Draft Regulation for working with Head Start children.

Presently in New Mexico there are fourteen (14) grantees that are served by the CDA training program at the University of New Mexico. Statewide there are 163 teachers and 167 teacher aides that need Child Development Associate training and eventually receiving a CDA credential. To date, because of the CDA program, the Division of Continuing Education and the Department of Elementary Education, 60 or 36.8% of all Head Start teachers have gone through CDA training and have received their CDA credential. This percentage is very significant since the national average is only 14% and the regional average is only 24%. A total of 15 teacher aides or 8.9% of all teacher aides in New Mexico, have

received their CDA credential and in most cases they have been promoted to teacher positions. Twenty-two point seven percent (22.7%) of all Head Start teachers and teacher aides in the state of New Mexico, within these 14 grantees, have received their CDA credential thereby comply under the new Draft Head Start Regulations. According to the new Draft Regulations, it is expected that by 1984 all teachers in charge of a Head Start classroom will have a CDA credential or be in CDA training.

Because of the scope of the Child Development Associate program there was continuous communication and cooperation with many local, state, regional and national organizations. Of significance is the fact that during this program year the CDA staff provided needed assistance to the New Mexico Staff, Parents and Directors associations. This enabled the Parents and Staff associations to continue to grow becoming needed advocates of Head Start parents and their children.

It is expected that the program will be refunded for FY 1981-82 and continue to provide CDA training opportunities to Head Start employees throughout the state of New Mexico.

CREDIT CLASSES

Any course listed in the University of New Mexico Bulletin, catalog issue, may, subject to appropriate approval, be offered for credit through the Division. The Division obtains approval from departmental chairpersons for all courses to be offered for credit. Approval of teaching faculty is obtained by the Division from the departmental chairperson, and if necessary, from the Dean. However, obtaining approval from the Graduate School for a person to teach at the graduate level is a departmental responsibility.

The need for a credit course may be identified in several ways: an employer may desire to have employees take a certain course; an instructor may wish to teach a certain course off campus; or Division personnel may identify a need. Course requests may be directed to the appropriate academic department, the appropriate college, or to the Division of Continuing Education and Community Services. Regardless of the initial contact, the Division is notified of the request and all coordination is accomplished by the Division.

Starting with the Summer Session of 1977, an effort was made to have credit courses offered through the Division in Bernalillo County considered resident credit.

Division personnel coordinate registration for Resident Extension/Extension classes. Registration may occur on site or through the Division office and in some cases through normal registration channels. Registration forms and admissions applications are sent to the UNM Registrar and fees are sent to the UNM cashier. The students are then treated as regularly enrolled students with grades reported in the normal manner. The Division has encountered some problems in adapting to the rigid requirements of the total system, however, many of the problems have been minimized by close cooperation with other campus offices. Substantial progress has been made in refining this mechanism.

Those credit courses offered outside of Bernalillo County are still considered to be extension credit and all registration, fee collections, and grade reporting are accomplished by the Division.

The general policy this Division has followed is that credit courses will be established anywhere that sufficient demand warrants. The figures listed in Table I indicate; number of classes, each term, number of students in classes offered each term, and number of student credit hours produced each term during the Summer Session of 1980 through the Spring Term of 1981.

Enrollments are broken into resident and extension categories. As compared to the previous years enrollments are markedly up in the resident category which reflects a major effort by the Division to make this the major credit priority. This increase was accomplished through a concentrated effort even though due to staffing a steady state enrollment in the program was predicted for the year. Through resident credit classes at the Division 3037 students were enrolled during this reporting period. This is an increase of 21.4% in student credit hours over the previous year.

1974-75 was the first year for which FTE statistics were reported. (Table II) FTE by semester is calculated by dividing the total student credit hour production by fifteen (15).

This past year a total of 287 classes were offered to 4487 individuals.

However, to get a true picture of the total number of individuals served in credit courses by the Division and off-campus, one must take into account all activities of others who offer courses off-campus. Prior to the establishment of the branch colleges, all credit work performed off-campus was by extension. All lower division work in the branch area is now performed by the

branches with upper division work by extension. Several years ago, 1974-75, Teacher Education Centers were established at various locations for upper division (and lower division, in some cases) resident credit work off-campus. Many of the students who are enrolled in Teacher Education Centers were, in the past, enrolled as extension students. Also, in 1975-76, Graduate Resident Centers were established in Santa Fe and Los Alamos. Many of the students enrolled in the Graduate Resident Centers were previously extension class students.

Therefore, when all aspects of the Division's activities of others in credit activities is considered, it is readily apparent that the service to the off-campus community has increased tremendously.

TABLE I

	<u>Number of Classes</u>	<u>Number Students</u>	<u>Student Credit Hours</u>
Summer 1980			
Extension Courses	20	222	501
*Resident Courses	57	770	1746
Fall 1980			
Extension Courses	43	603	1460
*Resident Courses	59	997	2115
Spring 1981			
Extension Courses	56	847	2217
*Resident Courses	74	1330	2801
1980-81 Extension (Subtotal)	99	1450	3677
1980-81 Resident (Subtotal)	188	3037	6662
1980-81 Total	287	4487	10339
1979-80 Extension (Subtotal)	126	1543	3071
1979-80 Resident (Subtotal)	159	2626	5486
1979-80 Total	285	4169	8557

* Eastern Valencia County Resident Center not included.

TABLE II
FTE STATISTICS

Year	Summer	Semester I	Semester II	Total
1974-75	85.1	167.4	201.9	227.2
1975-76	120.9	138.3	183.0	221.1
1976-77 X	130.4	112.1	149.1	195.8
1976-77 R	43.8	88.9	82.0	107.4
1976-66 T	174.2	201.0	231.1	303.2
1977-78	213.47	145.2	241.3	300.0
1978-79	170.4	120.4	216.4	227.37
1979-80	159.7	176.4	234.4	285.3
1980-81	148.4	235.8	295.8	344.6

EASTERN VALENCIA COUNTY RESIDENT CENTER

During the 1978 Spring Semester, Central Administration asked the Division to prepare a plan of action which would respond to Valencia County residents' request for delivery of educational activities in that county. Accordingly a plan to provide students with a college transfer program equivalent to the first two years of a four-year program was presented and accepted.

The plan called for development in three phases. Phase I was concerned with need assessment of post-secondary educational needs in the Eastern Valencia County area. Phase II was described as implementation of year one and Phase III would be second year of operation.

During March of 1978, a series of meetings were conducted to give shape and form to the plan. A planning phase budget of some twenty-two thousand dollars was provided by Horizon Communities Improvement Association (\$13,000) and the University of New Mexico (\$8,663). The planning went into full swing with a needs assessment; planning a fund drive for year I; identifying a facility; identifying potential instructors; locating and moving furniture, equipment and so on.

All this resulted in a facility of 10,000 square

feet, nearly rent free for one year provided by Horizon Incorporated, moving of furniture, a fund drive which netted some eighty thousand dollars raised by local effort. A large, representative advisory board was named. From the onset, the Belen Chamber of Commerce provided extensive support.

Fall of 1978 found UNM, UNM Division of Continuing Education and many individuals from Eastern Valencia County tired, but elated as the educational center took its first breath. Here, alive was an almost impossible dream come true.

During the fall semester, a total of 22 courses primarily from Arts and Sciences were offered to some 160 students for a total of 807 SCH.

Spring of 1979 enrolled approximately 185 students in 34 courses (again, mostly from Arts and Sciences) for a total of 946 SCH.

The summer session of 1979 experienced a significant drop in enrollments. This was not necessarily unexpected since approximately 87% of the students attending were adults. Adults carry a number of responsibilities other than being students. A massive public relations effort was mounted during the 1979 summer in hopes of increasing enrollments for year two. A major impact is the fact that UNM and NMSU entered into a joint agreement whereby

students from Eastern Valencia County will be able to enroll in specific NMSU courses. UNM will carry these courses on UNM official transcripts.

The status of the center was changed in Summer of 1979 to resident center status so that students would acquire resident credit. The 1979-80 operation of the center showed a steady state enrollment as shown in Table I. Under resident center status the center received minimal state support and there was no mechanisms to obtain on going local financial support. During the year every effort was made to minimize administrative overhead for the center by handling most functions from the Division. Past enrollment for the center appears below:

Eastern Valencia County Resident Center

	Courses Offered	Student Credit Hours
Fall 1978	22	807
Spring 1979	34	946
Fall 1979	30	816
Spring 1980	32	829
Fall 1980	25	680
Spring 1981	29	1042

In May 1980 the Eastern Valencia County High Education Steering Committee working with the Los Lunas and

Belen School Boards formally began action to transition the center to a Branch Community College. In July of 1980 UNM was formally selected as the Parent Institution. A Branch College Proposal was developed in the Associate Provost's Office in July-August of 1980. Both local school districts passed the local mill levy in September of 1980. Likewise the BEF gave approval of the Branch College in the Fall of 1980. Funding was provided in the Legislative Session of 1981.

During the academic year 1980-1981 the center faced very tight financial limits. Administrative services were provided by the Division. Every effort was made to minimize the costs associated with the center while maintaining a visible posture in the community. As part of an effort to gear up for Branch status, arrangements were made to offer five academic courses at the Central New Mexico Correctional facility. It is anticipated this effort will expand under the Branch College. In the Spring of 1981 the community working with the Associate Provost's office undertook a search for a Director. This was successfully completed in late May. June saw the transition to Branch College take shape.

THE REPORT OF THE HARWOOD FOUNDATION
OF THE UNIVERSITY OF NEW MEXICO, TAOS, N.M.

July 1, 1980 to June 30, 1981

James Levy, Director

THE HARWOOD ADVISORY BOARD

Arthur Adair (Vice-Pres.)
Vivian Barnes
Gabriel Chavez
Van Dorn Hooker
Michael Knight
Sue McCleery
Robert Ray
John Roush
Meg Salman (Pres)
Rupert Trujillo
Peppy Woodard

THE HARWOOD LIBRARY COMMITTEE

Wallace Bacon
Shirley Bogs
Bonifacio Fernandez
Carolyn Hensley (Chair)
Eleanor Huff (Treas.)
Brenda Judges
Betty Martinez
Paty Navarrete (Vice-Chair)
William Parr
Meg Salman
Jack Schacht
Jeri Vargas (Secretary)

HARWOOD PERSONNEL

Victoria Duran
John Flexner
Donna Lanoff
Jim Levy
Catherine Logue
Gilbert Lujan
Tracy McCallum
Carmen Medina
Victoria Plata
Carlos Rendon
Wayne Rice
David Witt
Betsy Wolf

librarian
head librarian
children's librarian
director
bookkeeper
custodian
librarian
librarian
outreach worker
maintenance
caretaker
curator
secretary

Dixie Gillette resigned 12/4/80
Victoria Durn hired 12/19/80
Sally Blair resigned 5/18/81
Donna Lanoff hired 5/18/81

The Harwood Foundation is an integral part of the cultural and educational life of the Taos community. It offers the full services of a public library and a public museum.

MUSEUM

The permanent collections of Taos art, Patrocinio Barela sculptures, Rio Grande tinware, and colonial retablos were on display throughout the year. In addition, a collection of indian and Hispanic rugs, pottery and baskets from the Maxwell Museum were on display in the library.

Major exhibits in the main gallery

Taos Art Festival Retrospective	Oct. 1-18
La Cofradia Textiles of northern NM	Dec. 1-21
American Quilts	April 1-25

Small Gallery Exhibits

Lib White Retrospective	June 16 - July 12
Kenneth Adams Graphics	Oct. 1-18
Juegos y Jugetes	Dec. 1-21
Photos of Aliah Sage	Feb. 27 - April 10
Highlands Taos Center art students	May 9-28
Mixed Bag: Felt works	June 7-27
Books of John Brandt	March 12-26

Imhof Room one-person exhibits

David Pratt	Margaret Nes
Wayne Rice	Noel Hudson-Reidy
Claire Hays	Alyce Frank
Joyce Boston	Alice Webb
David Stewart	Oliver Ortiz
Shirley Heidenreich	Margret Henn

Regina Cooke
Rich Romancito

Cynthia Corley
Mary Drabiak

Acquisitions

(Woman in bonnet) drawing	Walter Ufer
Portrait of Patrocínio Barela (drawing)	Ted Egri
tapestry	Rachel Brown
10 bronze busts of Taos Society of Artists	Juan Dell
Indian on Galloping Horse (lithograph)	Fritz Scholder
Taos Mountain (oil)	Hyde Solomon
Sketch for Neil's Italian Hat drawing	Bill Bomar
colcha	Susan Mooney
straw overlay cross	Susan Mooney
Plain of Smokes (serigraph, set of 20)	Ken Price

Conservation

On an NEA conservation planning grant, Claire Munzenrider surveyed the retablos, wood sculptures and oil paintings and Pam Randolph surveyed the works on paper and the Persian miniatures.

AUDITORIUM

The main gallery and small gallery were available for cultural and educational purposes except during major exhibits.

	<u>1979-80</u>	<u>1980-81</u>
films	13	12
slide shows	6	9
theater	3	0
dance	0	1
lectures	8	6
readings	8	6
concerts	7	18
classes	8	12
workshops	10	8
meetings	31.	29

	<u>1979-80</u>	<u>1980-81</u>
memorial services	1	0
Total number of times these spaces were used	146	166

LIBRARY

The library staff took a complete inventory in September, and a bookcount in October. The count revealed that there are 14,027 adult non-fiction, 4,485 fiction and 1,362 special collections, total 19,874 titles. In the children's library there are 2,063 non-fiction, 3,711 fiction, total 5,744 children's titles. Total titles: 25,648.

	1978-79	1979-80	1980-81
Registered borrowers	5,754	5,780	6,969
New cards issued	1,798	1,697	1,630
circulation: Adult	28,814	34,373	38,222
Juvenile	<u>12,439</u>	<u>16,685</u>	<u>17,163</u>
Total	41,253	51,058	55,385
Interlibrary loans requested from other libraries	311	461	205 (received)

The children's library offered 19 creative programs (art, music, film, etc.), 6 Reading is Fundamental book giveaways and 7 art exhibits by children. 81 classes and organizations visited the children's library.

The oral history program taped 19 Taos citizens on

"The Coming of Electricity to Taos," Two radio programs (one in English, one in Spanish) and a 30-minute slide show were produced using excerpts from the tapes and photographs of the participants.

PHYSICAL PLANT

The Alcalde building was renovated under an Economic Development Administration grant and will be available for classes and meetings in September 1981.

The Harwood assumed the management of the Degen house and two studios in February and the maintenance staff extensively repaired and finished the interior in preparation for renting the property.

INDEPENDENT STUDY COURSES

Independent Study course enrollment for 1980-81 remained at approximately the same level as those of the past year. The fact that fewer courses could be revised this past year probably accounts for this steady state. It is anticipated that many major revisions can be accomplished in the Fall of 1981. Listed below are the 1980-81 course revisions.

INDEPENDENT STUDY COURSES
REVISED DURING 1980-81

English 294C: Survey of Earlier English	03 Cr Hrs
English 295C: Survey of Later English Literature	03 Cr Hrs
Elem Educ 441C: Children's Literature	03 Cr Hrs
History 162C: History of the US Since 1865	03 Cr Hrs
Math 150C: Algebra and Trigonometry	04 Cr Hrs
Philosophy 256C: Introduction to Logic	03 Cr Hrs
Spanish 201C: Intermediate Spanish	03 Cr Hrs
Spanish 202C: Intermediate Spansih	03 Cr Hrs

The number of students actually enrolled in courses during 1980-1981 including new enrollments, carry-overs, withdrawals and completions was 1,240. Six hundred seventy-three (673) students were enrolled in all courses during 1980-81 as compared to 673 in 1979-1980. The enrollment by month is depicted in the following chart.

ENROLLMENTS DURING JULY 1980 - JUNE 1981

July	44
August	67
September	63
October	49
November	36
December	37
January	85
February	54
March	66
April	36
May	81
June	<u>55</u>
Total	673

COMPARISON OF INDEPENDENT STUDY STATISTICS FOR LAST EIGHT YEARS

<u>Year</u>	<u># of Courses Offered</u>	<u>Enrollments</u>		<u>Total</u>	<u>% of In- crease or Decrease</u>	<u>States</u>	<u>New Mexico Counties</u>	<u>Counties</u>
72-73	86	310	264	574	D-3.	38	22	6
73-74	84	235	221	456	D-20.	32	26	6
74-75	85	164	192	356	D-21.9	32	26	6
75-76	87	178	222	400	I-12.	27	24	5
76-77	94	251	393	644	I-63.	30	27	7
77-78	91	278	471	749	I-16.3	32	26	3
78-79	89	137	259	396	D-40	24	27	2
79-80	91	230	443	673	I-58	27	26	11
80-81	69	270	403	673	0	36	23	9

NON-DEGREE STATUS

All students classified in Non-Degree status are under the jurisdiction of the Dean of the Division of Continuing Education and Community Services. Students who make application to attend The University of New Mexico just prior to the beginning of the semester and who have missed the deadline to enroll in regular status are accommodated by enrolling in Non-Degree status. The following page enrollment figures are reported for the past seven years.

The Division prepares and maintains personal folders for all students in Non-Degree status. Through these folders up-to-date academic records on approximately 8,500 students enrolled in Non-Degree status were kept during the past academic year. (This figure includes students enrolled for the Summer Session of 1980.)

Furthermore, the Division has responsibility for the probation and suspension of Non-Degree students who fail to maintain the University's academic standards of a two-point average. During the 1980-1981 year, 108 Non-Degree students were suspended; 1,178 students were placed on probation; and 351 students were continued on probation.

COMPARISON OF STUDENTS REGISTERED IN
NON-DEGREE STATUS FOR THE PAST SEVEN YEARS
(Regular Semester Only)

Year	Semester	Students	% of Increase or Decrease over Corresponding Periods	Total for Year
1974-75	1st	3114	9.19% Increase	6125
	2nd	3011	19.39% Increase	
1975-76	1st	3548	13.94% Increase	7165
	2nd	3617	20.13% Increase	
1976-77	1st	3950	11.33% Increase	7667
	2nd	3717	2.76% Increase	
1977-78	1st	4538	14.89% Increase	7645
	2nd	3107	19.63% Decrease	
1978-79	1st	3049	32.81% Decrease	6212
	2nd	3163	1.83% Increase	
1979-80	1st	3441	11.4% Increase	7283
	2nd	3842	21.1% Increase	
1980-81	1st	3876	11.2% Increase	7797
	2nd	3921	2.0% Increase	

NON-DEGREE PROBATION AND SUSPENSION FIGURES

	Placed on Probation	Continued on Probation	Suspended
1975-76	681	240	16
1976-77	895	246	82
1977-78	963	316	72
1978-79	1001	287	67
1979-80	1055	314	67
1980-81	1178	351	108

Many of the students in Non-Degree status are in great need of advice and counseling. Since the Division receives no support for this activity, the Division merely serves as a holding house for these students.

During the academic year 1980-1981 a work group of the Admissions and Registration Committee reviewed the various categories of students in Non-Degree and the types of problems they encountered. As outlined below, a number of academic and student service concerns were identified. Several recommendations of this group are also listed. In the Fall semester 1981 a University College advisor will be available to Non-Degree students at the registration center during the month of August between 2:00 PM and 6:00 PM. This experiment will be monitored to further define the need for services of Non-Degree students. Additionally, college advisement centers continue to provide advisement to Non-Degree students.

NON-DEGREE REGULATIONS SUBCOMMITTEE

Non-Degree Academic and Student Service Concerns:

1. Better communications with non-degree students must be developed.
 - Special non-degree admissions counselors.
 - Direct advertising towards months of June-July and November-December.

- Revise publications that non-degree students normally obtain.
- Expand the College Advisement Center's role in academic advisement for non-degree students.
- 2. Transfer evening admissions and cashier services to Scholes Hall.
- 3. Expand special evening Admission/Cashier/Registration services to all hours of operation.
- 4. Expand Admission and Registration services to off-campus locations -- as hardware becomes available.
 - Resident/Extension
 - KAFB
 - Other special locations
- 5. Provide an orientation presentation for the Registration Center
 - Self-contained, slide and sound format
 - Continuous showing from 4:00 to 6:00PM

Recommendations:

1. The Office of Admissions and Records should take steps to identify the various classifications within non-degree status.
 - a. Students with a baccalaureate level degree.
 - b. Exchange students/transient students.
 - c. Students in programs without formal degrees.
 - d. Students who wish to experiment or take courses

only for their own personal enjoyment (part-time status).

- e. Students whose academic credentials are not available prior to the start of the semester and are using non-degree status as a means of getting an early start on their program of studies. (Late beginning freshman and transfer students.)
2. The University must establish procedures to communicate with non-degree students early each semester concerning the advantages and disadvantages of non-degree status.
3. The University should remove the overload approval (8-20 hrs) for non-degree students.
4. Non-Degree students should be limited to one semester in full-time status. (Students in the above classifications or a,b, and c would be excluded from this limitation.)
5. Students in classifications other than a, b, and c will continue to be limited to 30 semester hours while in non-degree status.

PLANS FOR THE FUTURE

During the Fall semester, many students are placed in non-degree because they lack a particular credential, i.e., transcripts, ACT, etc. Many of these students are degree seeking and may need academic advisement. In an effort to address that need and given that the subcommittee recommendations cannot be implemented, a stop gap effort will begin in the Fall of 1981. University College has agreed to place an advisor in the registration center from 2:00PM - 6:00PM for a month. This person will be able to give basic information and advisement. She will refer to the appropriate advisement center those students who need an indepth interview. Additionally, she will give over-load approvals for students requesting an over-load on a non-degree overload approval form. These forms will then be forwarded to our office for review. The staff of Non-Degree and University College will meet to evaluate the effort after late registration ends.

OPERATIONS/BUSINESS OFFICE
July 1, 1980 - June 30, 1981

Ronald Shibata, Director/Business Manager

At the beginning of the reporting period, the Operations Section of the Division was responsible for registration for the Community College, College Prep, Extension, Resident Extension, Independent Study Programs, and the Bureau of Conferences & Institutes. Other functions of the Operations Section are the maintenance of files for the programs noted above, as well as those pertaining to Non-Degree students, the rental of UNM Facilities and the rental of cabins at the D.H. Lawrence Ranch.

The Business Office of the Division is responsible for accounting for all revenues and expenses for the Division as well as approving all expenditures of Division funds for accounting accuracy, budget sufficiency, and compliance with UNM policy and state law.

CHANGES

In October of 1980, the Business Office was placed under operations; both functions under the administrative responsibility of the Director of Operations/Business Manager. As of December 1980, the registration function for the Bureau of Conferences and Institutes (BC&I) was assigned to the program function for BC&I.

During the month of May, the Operations staff studied their work area and after rearranging said area, made several recommendations to both improve the appearance of this very public office as well as streamline the work flow. All suggestions were adopted,

With the conclusion of the Spring 1981 Community College registration, the practice of holding a de-briefing session with all employees involved was begun. Suggestions for the improvement of the registration process were brought forth as well as suggestions for changes in policy. Several of the suggestions have since been implemented. The session proved very worthwhile and will become a standard practice after each registration.

Over the past year, one of the projects undertaken by Operations has been to obtain up-to-date procedures manual for the various clerical positions. As of the reporting date, manuals have been received for most of the positions. This project will be completed during the next fiscal semester.

STAFFING

The staff of the Operations section are divided into three (3) categories. They are the permanent staff, student help and the occasional staff.

Permanent staff--Fiscal year 1981 was marked by significant turnover after several years of relatively stable staffing.

Student help--The student help for the Operations area consist of students participating in the Federal Work Study Program. These individuals assist the permanent staff as needed in completing their tasks. Every effort is made to see that each permanent staff member who needs the help is covered by a workstudy position. As to the management of student help, a change was made in that the permanent staff now have direct supervisory authority over their workstudy help.

Temporary help--The Operations section relies on temporary help to assist during the heavy registration periods.

Fiscal year 1981 marked the first year whereby Operations, with very few exceptions has begun utilizing the temporary pool established by UMM Personnel Department to provide temporary help. This new approach has proven to be very positive. Two (2) of the people referred out of the temporary pool have since become permanent employees of the Division.

For the next fiscal year, the Operations/Business Office section will continue to re-examine its procedures

and work methods with the ultimate goal of streamlining its work processes and better serving the clientele of the Division.

Report of the University of New Mexico-Gallup Campus
July 1, 1980 - June 30, 1981
Donald A. Gatzke, Ph.D., Campus Director

ANNUAL REPORT

On June 18, 1979, Calvin O. Hall, founding Director of the University of New Mexico-Gallup Campus, died after an extended illness. For the next four months, Mr. Glen Gabehart was Acting Director. After an extensive search, Dr. Donald A. Gatzke was hired as Director, effective November 1, 1979.

The enrollment for the Fall Semester was 365 FTE. During the next twenty months the College experienced major organizational, curricular, and physical changes. The send-off for this came in December of 1979 when Sandi Gilley, English/Speech Teacher, orchestrated the First Annual Holiday Magic. This event introduced the community to the College as never before. Of special interest was the opening of the new Career Education Building, first to be used in January, 1980.

During the spring of 1980 the new administrative structure was initiated. Previously all employees answered directly to the Director, but with this change, the College was divided into divisions and only those heads answered to the Director. The divisions were Career Education, General Studies, Community Education, Student Services, and the Business Office. The "Deans" of each of these divisions, and the "Business Manager" each are responsible for the personnel and activities of their area. In turn, the divisions are divided into departments with department heads and supervisors.

As a result of the reorganization of the accounting and budgeting system, each department has its own budget. A zero level budgeting procedure is used which involves every employee of the institution.

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It was important to increase the enrollment of all programs since the College was going on formula funding in 1980. To help increase enrollment, the College instituted an aggressive public relations/publicity campaign. It started by increasing the single 14" ad in the local newspaper to a six page supplement mailed to every user of utilities in the City of Gallup. Faculty and staff were interviewed on the radio, helped write news stories about their programs, spoke to community groups, and generally took an active role in promoting the College. The first fruits of this were reflected in an increase of 27% in the Fall semester of 1980.

Because of formula funding, the budget increased accordingly. Several positions that became vacant were not filled, or were filled with part-time employees. This allowed for further reorganization and redistribution of funds. During the Spring of 1980 the faculty and administration worked to put together a salary schedule and various guidelines to help reduce conflict in areas of contention.

The College went from having the lowest level of educated faculty/professional staff of any community college in New Mexico in 1979 to the highest level of educational faculty/professional staff in 1980. This is evident in that 1979 saw the College with two doctoral trained individuals, whereas by the fall of 1981 the College has 12 doctoral trained individuals.

The Summer of 1980 saw two major events in the physical aspect of the College. On June 5, 1980 ground was broken for the start of a new Physical Education Complex, and in July, the new Calvin O. Hall College Center was dedicated.

The Summer of 1980 also saw the largest enrollment in the College's history. In the Fall of 1980 the Navajo HPER Program was transferred to the Albuquerque Campus, but the start of new Welding, Automotive and Office Occupations Programs were enough to keep the enrollment going in an upward direction.

During the summer of 1980 part of Gurley Hall was remodeled to make six new faculty offices. Also a new telephone system was added so that in the Fall of 1980 all full-time faculty had private offices and private telephones.

A complete bookstore was also initiated which the College saw come to "full-bloom" during the Summer of 1981.

Prior to the reorganization, Student Services consisted of financial aids and registration and records. The staff were "on-the-job" trained and had not received any formal student services education. Today all of the professional staff in Student Services either have or are obtaining formal education in Student Services. There also exists a full range of services to students, ranging from academic and personal counseling, student activities, new student orientation, and transfer assistance.

In 1979 the Business Office consisted of a full-time Accounts Manager, a secretary, and a half-time bookstore clerk/accounts clerk. Today there is a Business Manager, Accounting Technician and a Secretary. Also there is a full-time Bookstore Manager/Purchasing Agent and Cashier. All student, faculty and college materials are available and/or ordered in the Bookstore.

A Community Education "Dean" was appointed in January, 1980. With this new appointment the non-credit offerings and community workshops increased from 20 to over 220.

In the instructional area there are two "Deans", one for Career Education and one for General Studies. The course offerings in both areas have increased and have been articulated with degree programs in career and academic areas.

A College Learning Center opened in August 1980, providing individualized instruction and tutorial assistance for all students and serves as the umbrella for Adult Basic Education which is currently funded through State Adult Education. Vocational Education grants for disadvantaged students in the amount of approximately \$97,000.00 have been awarded to the College Learning Center for instructional purposes. Proposals for use of these funds include plans for videotaped modules which will give vocational students individualized, self-paced instruction in an environment where supportive teachers and paraprofessionals add tutorial help when necessary.

The budget has increased over fifty percent partly due to formula funding which is based on increased enrollment. However, vocational educational grants and other grants and contracts have added over a half million dollars to the budget. Included in this is a three-year National Science Foundation grant in the amount of \$196,000.00, awarded for September 1, 1981.

On August 14, 1981, Dr. Donald A. Gatzke, Director/Campus President resigned his position to accept the Presidency at Flathead Valley Community College in Kalispell, Montana. Dr. John Phillips, Dean of Career Education was appointed Acting Director/Campus President until Dr. Gatzke's successor could be found. With favorable community, university and state response to the Long Range

Study recommendation for an eleven million dollar expansion, the future growth of the University of New Mexico-Gallup Campus seems assured.

The reorganization and rapid expansion have necessarily wrought numerous related changes, as well as activities which are in process. More women and minorities serve in dean-level positions, programs are spreading to the entire service region, publications such as catalog and handbooks are at the printers, advisory groups are utilized, and the campus has opened to the community. A new Director will face the challenge of administering a dynamic, rapidly-growing institution.

The Report of the Los Alamos Branch College

July 1, 1980 - June 30, 1981

Herbert C. Lyon, Director

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I. History of the Los Alamos Branch.

The University of New Mexico began its presence in Los Alamos in 1956, with the establishment of the UNM-Los Alamos Center for Graduate Studies. The Graduate Center has been in continuous operation since that time, and it has a distinguished history of offering graduate degrees in scientific, engineering, management, and health-related fields. The first significant UNM undergraduate offerings in Los Alamos began with the establishment of the University of New Mexico Residence Center in Los Alamos in the fall of 1970. In 1973, the University of New Mexico Northern Branch College came into existence with Los Alamos as one of its campuses. In 1977, as a result of Legislative action, the UNM Northern Branch College was absorbed into Northern New Mexico Community College (NNMCC). In 1980, after a local referendum and BEF and Legislative approval, the Los Alamos Branch Campus of the University of New Mexico was founded. It commenced operations on July 1, 1980 in the Little Valley School on Orange Street. The new Director assumed his duties at that time, and several key NNMCC employees were transferred to the UNM-Los Alamos Branch College, which subsequently assumed the informal title of UNM-Los Alamos, abbreviated UNM-LA. In October, 1980, the Branch campus moved from the Little Valley School to its present site, and it currently occupies the

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east wing of the former Mesa Elementary School, centrally located in Los Alamos across Diamond Drive from the Los Alamos High School. In January, 1981, the staff of UNM-LA assumed, under a contractual arrangement, the daily operations of the UNM-Los Alamos Center for Graduate Studies from the Training Office of the Los Alamos National Laboratory, and the Director of the Graduate Center moved his office to UNM-LA.

II. Mission Statement.

The University of New Mexico-Los Alamos adopted the following Mission Statement:

The University of New Mexico-Los Alamos Branch is committed to providing the highest quality education for its students. Drawing upon its greatest asset, the human and physical resources of Los Alamos, its programs shall be threefold:

1. Two-year academic transfer programs;
2. A wide-ranging program of community education responsive to the needs of the region;
3. Associate degree programs with emphasis on those technical areas that have a nationally demonstrated demand and that use the distinctive Los Alamos expertise.

The University of New Mexico-Los Alamos Branch is committed to providing these programs to all students of the region, and it pledges itself to provide the services, including developmental, necessary to help these students achieve their goals.

Furthermore, the University of New Mexico-Los Alamos Branch will seek active cooperation with all neighboring educational programs and institutions, confident that such cooperation is in the best interest of the student and region.

This Mission Statement was drafted and revised several times by the faculty, staff, and the Faculty Steering Committee of UNM-LA. It was then approved by the Advisory Board, by the Community Education Committee of the UNM Faculty Senate, and by the UNM Faculty Senate itself. These actions took place during the 1980-81 academic year.

III. Educational Programs.

The University of New Mexico-Los Alamos has three types of educational programs: 1) academic transfer programs for credit; 2) technical programs for credit; and 3) noncredit continuing education and community service programs. The educational programs of UNM-LA, like those of any community college, constitute the heart of the institution. UNM-LA is committed strongly to the broadest possible involvement by Los Alamos and regional citizens in determining the post-secondary educational needs of the community. Consequently, several Task Forces worked diligently throughout the 1980-81 academic year to help determine the major curricular thrusts at UNM-LA. These include the Community Needs, Computer Science, Technical Programs, Business Administration/Management, and Hazardous Materials Handling Task Forces. A key component in the work of each of these groups was a thorough needs analysis.

The academic transfer program is designed to provide the citizens of Los Alamos with the first two years of high quality university education at low cost. UNM-LA is authorized to offer any lower division course which appears in the UNM catalog and for which an appropriate instructor and facilities can be obtained. In addition, UNM-LA may design courses that respond to

the distinctive needs of Los Alamos, either independently or in cooperation with an appropriate main campus department. These courses all carry full UNM residence credit. They also generate the majority of UNM-LA credit production. Students enrolled in academic transfer courses can complete most, and in many cases all, of the first two years of their UNM courses while remaining in Los Alamos. The two Associate Degrees offered in this transfer category, Pre-engineering and Computing, are popular.

UNM-LA offers an Associate Degree program in Electronics Technology, with a Laser Option. The entire electronics curriculum was revised by the Technical Programs Task Force, and it is anticipated that additional options, most likely in the areas of microprocessors and pulse power, may be developed in the near future. As a result of the passage of House Bill 10 (the Fettinger Bill) by the 1981 Legislature, UNM-Los Alamos obtained \$263,000.00 to be spent on instructional equipment and library supplies. The major expenditure from these funds involves the computer, a Digital Equipment Corporation (DEC) VAX 11/750 with a printer and 16 terminals initially, expandable to 48 terminals. This \$190,000 configuration will be shared by the Graduate Center and the Branch campus, and it will enable UNM-LA to better meet the needs and demands of its students.

IV. Enrollment Data.

During the fall semester of the 1980-81 school year, UNM-LA enrolled 414 credit students and produced 1993 credits for 132.86 FTE students. During the spring there were 481 students, 2331 credits, and 155.4 FTE. The total FTE for the year was 144.1. This does not include the 1980 Summer Session, which was

operated in Los Alamos by Northern New Mexico Community College. Analysis of fall enrollment data indicated that the average age of a credit student was 32 and that 65% of UNM-LA credit students were female. During the fall, 91% of the enrollment came from Los Alamos County, 4% from Santa Fe County, and 3% from Rio Arriba County. Minority students represented 19% of the student body, with 16% Spanish-American. There were 3 American Indians, 2 Blacks, and 6 Orientals. (Los Alamos County is 11.5% Spanish-American and 0.6% American Indian.) These approximate proportions held during the Spring semester, except that the number of American Indians rose to 9, and the proportion of students from Santa Fe County rose to nearly 7%. The above enrollment data included 29 concurrently enrolled high school students for the Fall and 30 for the Spring. The 1981 summer session at UNM-LA enrolled nearly 220 students for approximately 24 FTE.

During 1980-81, 82% of UNM-LA credit course offerings were in the transfer area, with 18% in the technical programs. However, because of the smaller enrollments in technical courses, only 10% of credit hour production was in technical programs. Evening classes (after 4:00 p.m.) constituted 72% of the total. Across all credit programs, the student/faculty ratio was 15.3, while it was 8.44 in the technical programs and 16.82 in the transfer programs.

The Continuing Education and Community Service Program served 650 students during the Fall and 1300 during the Spring, with additional classes offered in the summer to 300 students. Despite the program discontinuity and loss of equipment occasioned by the transfer from NNMCC to UNM, this program was

nearly self-supporting in 1980-81.

V. Facilities.

During 1980-81, a broadly based Facilities Task Force studied the facilities needs of UNM-LA and devised strategies for meeting these needs. After examining virtually all possible sites in the county, the Task Force concluded unanimously that the present location, with its proximity to the High School and its centrality, is the best possible site for the continued development of the UNM-LA campus. Next, the Task Force worked with the University Architect's Office to prepare a programming document. This document projects the facilities growth of UNM-LA in three phases, and it details the first. This phase consists of constructing a technical module and a service module and remodeling the present facility. The technical module will contain 7050 NASF, or 9910 gross square feet. It will house a computer room and a terminal room, an electronics laboratory, a sophisticated technical programs laboratory, and a general science laboratory suitable for courses in chemistry, biology, physics and geology. The service module, of 2800 NASF or 3940 gross square feet, will include a multipurpose classroom for continuing education, a student study area, a vending machine area, and office facilities for the Continuing Education and Community Service program. The east wing presently in use will be remodeled to provide office and storage space, a conference room, a small library, and two medium-sized classrooms. This area will include about 5800 NASF, or 8200 gross square feet. All facilities will be available to the community to the greatest extent possible, and an outdoor amphitheater will

likely be included in the final landscape design.

This entire first phase will cost approximately \$2,000,000, and the Los Alamos School Board has called a general obligation bond election for October 27, 1981 for \$1,100,000. These funds will supplement and trigger a state appropriation of \$900,000 that was provided by the 1980 New Mexico Legislature. An Architect will be identified in August 1981, and conceptual drawings are expected by September 15. Design work will begin when funds are available. It is anticipated that occupancy of the new facilities will occur before fall 1983. UNM-LA and the Los Alamos Schools have concluded an agreement whereby UNM-LA will have exclusive use of approximately 2.314 acres of land at the Mesa School site for as long as the University of New Mexico operates a branch campus in Los Alamos. All proceeds of the bond issue are to be taken in the name of the School Board and should UNM ever cease to operate a branch campus in Los Alamos, all improvements would revert to the School Board.

The second phase involves the construction of a combination Library/Learning Center. UNM-LA will likely request funds for this facility from the 1983 Legislature. If such a request is successful, the building could be occupied sometime during 1984-85. Initial conversations have indicated the possibility of constructing an expanded facility and sharing it with Mesa Public Library, presently located approximately one mile from the campus. Such discussions will be pursued if they appear promising.

The third phase of this building program will involve the

expansion of the technical programs facilities, and it is possible to request funds for this purpose from the 1984 or 1985 Legislatures. The UNM-LA administration will attempt to secure private funding for at least a portion of such facility. It is the philosophy of UNM-LA to put as much of its resources as possible into program and people, not into buildings. The building plans above will definitely provide adequate facilities for UNM-LA for the next five years, and probably for at least the next decade.

VI. Staff.

The UNM-LA faculty is 100% part-time, and consists of generally extremely well-qualified individuals from the region. In fact, many of them enjoy international reputations in their fields. Quality of teaching is monitored through classroom visits by administrators and use of the UNM computerized student evaluation system, and successful teaching is a definite prerequisite for continued employment at UNM-LA. During 1980-81, 68 faculty members taught 282 credit hours, for an average of 4.15 each. The Faculty Steering Committee, an elected group which works diligently with the administration in formulating and implementing academic policy, wrote a UNM-LA Faculty Hiring Policy and Grievance Procedure. This Steering Committee also assumed responsibility for writing and editing the irregular newsletter, "UNM-LA Today", and it planned two faculty workshops during 1980-81.

Administrative and Support Staff employed as of June 30, 1981 included Dr. Herbert C. Lyon, Director, UNM-LA Branch; Dr. Angela Coop, Assistant Director for Instruction (3/4 time);

Sylvia Ortiz de Montez, Acting Assistant Director for Student Services; Dr. John Seeger, Coordinator of Technical Programs; Deborah Clark, Coordinator of Continuing Education; Betty Myers, Administrative Coordinator; Rita Critchfield, Administrative Assistant; Victoria Christofferson, Financial Assistant; Sue Pauli, Word Processing Secretary; Beto Carlson, Technical Programs Secretary (3/4 time); and J.J. Bustamonte, Custodian (1/2 time). In addition, William Johnstone served most of the year in the capacity of Assistant Director for Student Services.

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THE REPORT OF THE COLLEGE OF ARTS AND SCIENCES

July 1, 1980 - June 30, 1981

F. Chris Garcia, Dean

COLLEGE OF ARTS AND SCIENCES

Annual Report, July 1, 1980 - June 30, 1981

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I. ADMINISTRATION

Following the retirement of Dean Nathaniel Wollman, Associate Dean F. Chris Garcia was appointed acting dean beginning July 1, 1980. After serving in that capacity for four months, he was named dean beginning November 1, 1980. Associate Dean Julian E. White took Dean Garcia's position as associate dean for student academic affairs. Associate Professor Richard Metzler was named as associate dean primarily in charge of graduate affairs, travel, summer session and other budgetary matters. Late in the academic year, Professor Elinore Barrett of the Department of Geography was named as the third associate dean. Her duties were primarily related to basic skills, evening programs, relations with external institutions and general long-range planning.

Sam B. Girgus completed his three-year term as chairman of the American Studies Department and was selected for another three-year term. Dr. Guido H. Daub completed his term of office as chair of the Department of Chemistry. Dr. Riley Schaeffer was appointed as his successor. Dr. Lloyd E. Lamb was appointed to another term as chair of the Department of Communicative Disorders. Dr. George Peters served as acting chair of the Department of Modern and Classical Languages while Dr. Sabine Ulibarri was on sabbatical the fall semester. Dr. Henry C. Ellis was appointed to another term as chairman of the Department of Psychology.

Table 1 lists the chairpersons and program directors in the College of Arts and Sciences for 1980-81.

The Arts and Sciences Graduate Committee continued to develop the organization and responsibilities of the graduate program of the college. The annual report of the A&S Graduate Committee is appended below.

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The following A&S committees functioned during the academic year (Table 2): Tenure Committee, Promotion Committees--Humanities, Natural Sciences and Mathematics, and Social Sciences; Human Subjects, Academic Policy and Curriculum Committee, Computer Use Committee, Student Advisory Committee, Graduate Committee, Latin American Studies Advisory Committee, American Studies Committee, Comparative Literature Committee, and the Sabbatical Review Committee. The Committee on Computer Allocation and Use was established in order to present recommendations to the dean on the allocation of computer use monies to the departments and on appropriate uses of the computer by college faculty members. This was in keeping with the newly established system of allocation of budgeted funds to each college and department, as well as in response to some problems resulting from new hardware and software systems at the computer center. The Sabbatical Review Committee, a subcommittee of the Graduate Committee, carefully screened applications for sabbaticals and made recommendations to the dean for their dispositions.

II. ACADEMIC STANDARDS AND PROGRAMS

A&S Faculty Action During the Year 1980-81

The Arts and Sciences faculty took the following actions: (1) added college residency requirements to the list of graduate requirements, that is, (a) subsequent to admission to the College of Arts and Sciences, a minimum of one complete semester; and (b) a minimum of six semester hours of courses taught by Arts and Sciences' departments while enrolled in the College of Arts and Sciences; (2) approved a proposal by the Math Department to change its major requirements; (3) approved a proposal by the Department of Physics and Astronomy to revise its major and minor programs in astrophysics. Six credit hours were added to the major and nine hours to the minor.

The college continued to develop its program in cooperative education in conjunction with the efforts by Mr. Lonnie Theye, Director of Campus Programs in Cooperative Education.

A proposal by Professor Phyllis Wilcox of the Department of Communicative Disorders was submitted requesting the establishment of a two-year degree program in sign language and nonverbal communication. The proposal was examined by the Committee on Academic Policy and Curriculum, which recommended against the establishment of a two-year program. It supported the idea in principle. The program was submitted for further study throughout the school year in conjunction with the office of the associate provost.

The comparative literature program was placed organizationally in the Department of English.

The Institute of Modern Optics and Laser Physics began its first year of operation as part of the Department of Physics and Astronomy.

A renewed concern for quality instruction was included in the priorities of the college. A memorandum on the subject of our instructional mission (copy attached) was sent to all departments and evoked considerable debate on the place of teaching in our college.

The matter of academic standards has been dealt with at length in previous annual reports. There is no evidence that academic standards have changed during the past year. A comparison of grade distributions by departments for the 1980-81 fall and spring semesters revealed little or no change from the previous year. Reports from faculty members indicated that our university skills program seemed to be having a beneficial effect in that the levels at which introductory courses could be taught this year were slightly higher than in the past. Yet, there

continued to be some scattered opposition to our participation in the university skills program.

III. RESEARCH AND SCHOLARLY ACTIVITY

The faculty of the College of Arts and Sciences continued their high level programs of research and scholarly investigations. A significant increase in the amount of sponsored research was noted. The research and publication record of the faculty for 1980-81 is given in detail in departmental reports. New research and training grants for 1980-81 plus funded renewals numbered a total of 162 grants (Table 14); 81 faculty members were designated as principal investigators of these grants. The grants totaled slightly over \$4.5 million and brought in almost \$1 million in overhead. The leading departments in descending order of amounts are:

<u>Department</u>	<u>X \$1,000</u>
Physics & Astronomy	\$1,036
Biology	946
Geology	643
Mathematics & Statistics	343
Office of Contract Archeology	336

One of the most important benefits of outside funding is the support given to graduate students plus the acquisition of research equipment and supplies. Table 15 shows the distribution of GAs and TAs among departments as well as graduate trainees, research assistants and project assistants supported by outside funds.

The university lost the journal, Environmental Ethics, the joint venture with the John Muir Institute, which was edited by Eugene Hargrove, Adjunct Assistant Professor of Philosophy. The list of continuing or new A&S related periodicals includes the Journal of Anthropological Research, Harry Basehart, Editor; New Mexico Historical Review, Richard Etulain, Editor; The Blake Newsletter, Morris Eaves, Editor; Shakespeare Newsletter,

Barry Gaines, Editor; American Antiquity, Jeremy Sabloff, Editor; The Historian, A Journal of History, Gerald Nash, Editor; Western Journal of Speech Communication, Lawrence Rosenfeld, Editor; Latin American Research Review, Gil Merkx, Editor; Hispanic American Research Review, John Johnson, Editor; Southwestern Review of Management and Economics, Roger Norton, Co-editor.

In addition, college faculty were closely involved with the operations of two research institutes under the direction of the office of the provost. The newly reorganized Latin American Institute involved a great many Arts and Sciences' faculty. Appointed acting director of the institute of LAI for a two-year period was Associate Professor Gilbert Merkx of the Department of Sociology. The associate director and academic coordinator was Nelson Valdes of the Sociology Department. The academic coordinator was assisted by an A&S Dean's Advisory Committee on Latin American Studies. This committee was headed by Professor Ted Sturm of the Department of Philosophy. The academic coordinator and associate director of LAI also function as chair of ICLAS, the Interdisciplinary Committee on Latin American Studies. A proposal was tendered at the end of the year to combine both ICLAS and the Dean's Advisory Committee into one body.

The other research institute with which Arts and Sciences was closely connected was the Southwest Hispanic Research Institute (SHRI). In its first year of operation it was headed by David Maciel of the Department of History who served as acting director.

IV. HIGHLIGHTS FROM STATISTICAL TABLES

Table 5 shows that after four years of declining enrollment, the 1980-81 year exhibited a 6.6% increase in the number of students enrolled as Arts and Sciences majors. The number of student credit hours (Table 6) continued to increase for the fourth straight year, a one per cent increase over the previous year. Table 7 demonstrates that the overall growth in student enrollment has occurred very differentially among our departments. Those departments losing enrollment over the past few years include Anthropology, History and Psychology. The biggest gains over the past three years have been registered by the Departments of Economics, English, Mathematics and Physics and Astronomy. Unfortunately, because of the inflexibility of educational staffing patterns and lack of adequate state funding, we are not able readily to adjust the number of faculty to the changes in student enrollment. Departments experiencing rapid growth in the past few years are severely understaffed with little hope for immediate assistance.

V. CONTINUING PROBLEMS AND PROSPECTS

There are several problem areas that tend to detract from the performance of our mission.

- (1) One is staff shortages. The college continues to be extremely short of faculty and staff based on evidence provided by the departments. Requests were submitted for an additional 17.5 faculty FTEs, 8.5 nonfaculty, staff positions and 37 graduate assistantships. The shortage of faculty in rapidly growing departments has already been discussed. Many of our departments also continue to be very short of secretarial-clerical

assistance, which imposes serious difficulties on the production and management of teaching and research materials. Many more graduate research and teaching assistantships are needed to support our instructional mission. No additional TAs have been allocated to Arts and Sciences for over a decade, yet student enrollment has grown substantially over this period.

- (2) Maintenance funds continue to be practically nonexistent.

Several expensive and useful pieces of instructional and research equipment have been secured over the past few years, yet no money has been available for the maintenance of this equipment. Because of the natural deterioration of equipment, some of it either has been rendered useless due to lack of maintenance or, wherever possible, faculty have been taken away from their instructional and research duties to function as maintenance service personnel.

- (3) Travel monies are embarrassingly inadequate. Faculty members are expected to be aware of new developments in their profession and present their latest research findings to their colleagues, yet travel support to professional conferences is minimal. (See report on travel.)

- (4) Resources available for purchasing supplies and equipment are also inadequate. Departments typically run out of money for office supplies and equipment before the school year is over.

- (5) Salaries. We are beginning to lose our competitive position on salaries. Beginning salaries remain competitive, but the gap between the salaries we can offer faculty and those available from outside institutions is becoming critically large.

The salary problem is particularly acute with our senior professors, especially in the sciences. The "market compression" of salaries is also reaching the point of being intolerable as several senior faculty find their salaries exceeded by offers to new faculty members. Graduate assistant stipends are also below par causing considerable difficulty in attracting the best graduate students. The salaries of our nonfaculty staff are also generally below the level for comparable work off campus. A special problem is the lack of administrative pay for chairs who need to perform administrative duties during the summer. Most other institutions, including our sister institutions in state, pay administrative stipends of an additional 1/9 annual salary to chairpersons who are administering their departments during the summer. A substantial amount of work, especially in large departments, must necessarily be carried out by chairs at the end of the regular academic year as well as prior to the new academic year. Prior to 1981, most chairs were not paid at all for the administrative activities performed during the summer. This past year, a start was made towards remedying this inequity, with chairs being paid a very small amount, ranging from 1.4% to 7% for their summer administrative duties.

- (6) Affirmative Action. The college continues to be committed to the principles of affirmative action, although in general we remain considerably below our goals in hiring women and ethnic minority faculty. Efforts were made throughout the year to increase the awareness of affirmative action obligations. A few ethnic minority or women faculty members were hired. Continued

efforts in this direction will be made.

- (7) Sabbaticals. The college has taken a strong position that sabbaticals are essential for its development of research productivity and the instructional skills of the faculty. Every effort is made at the departmental and college levels to insure that only productive faculty with well thought-out and significant proposals for sabbatical leaves are recommended for them. The accomplishments of faculty who have taken sabbatical leaves over the past few years demonstrate the importance of preserving and protecting this important component of academic development.
- (8) We continue to be short of office space for our instructional staff as well as laboratory/clinical space and facilities.

VI. DEPARTMENTAL REPORTS

The 20 departmental reports deal with matters of curriculum review and change, space problems, scholarly activities of members of the faculty, service in professional societies, scholarly meetings held or to be held at UNM, special teaching programs, special research activities, visiting scholars and lecturers, activities designed for the general public and the successes and frustrations uppermost in departmental consciousness. These reports are an integral part of the A&S annual report but are not reproduced because of their bulk. Interested readers are invited to borrow a copy of any departmental report from the A&S office, the secretary of the university, or the department itself.

ANNUAL REPORT OF THE A&S GRADUATE COMMITTEE
Richard C. Metzler

According to the statement of Policies and Procedures of the Arts and Sciences Graduate Committee, the A&SGC is required to "present an annual report to the A&S faculty summarizing actions taken within the area of its authority." This report follows. Faculty desiring more detailed information are invited to consult the minutes of the A&SGC which are transmitted to the department chairs and to the departmental representatives on the A&SGC. Additionally, a file of minutes is maintained in the office of Associate Dean R.C. Metzler, A&SGC chairman.

The A&SGC met five times during the 1980-81 academic year and some of the standing subcommittees met during the year. The A&SGC elects two representatives to the Senate Graduate Committee each year. In the fall semester our representatives were Sam Girgus from American Studies and J.D. Finley III from Physics. Professor Finley was elected chairman of the Senate Graduate Committee for 1980-81. When Professor Girgus went on leave in January he was replaced by Larry Gorbet from Anthropology. Professors Gorbet and Finley were elected as 1981-82 representatives to the Senate Graduate Committee by mail ballot this May.

Following are summarized minutes of the A&SGC meetings for 1980-81.

September 3, 1980. "Acting Associate Dean Dick Metzler was elected chairman of the committee for 1980-81. The committee agreed unanimously that the revision of the residence requirements passed by the committee last year should not go to the A&S faculty, but should go to the Senate Graduate Committee as A&S policy and as a recommendation for University policy.

It was agreed that further discussion of the entire policy on

residence requirements would be useful."

October 22, 1980. "The committee discussed its authority relative to the Senate Graduate Committee in light of the Senate Committee's rejection of the change in residence requirements passed by the A&S committee. Some members felt that the position of the Senate Graduate Committee was not consistent with the decentralization of the authority over graduate studies that had led to the creation of the college graduate committees.

The chairman was selected to represent the A&S graduate committee on the search committee for the graduate dean. It was agreed that the subcommittee on standards should meet to discuss the disposition of reports on graduate admissions received from A&S departments."

November 12, 1980. "The committee heard the report of the Subcommittee on Standards concerning department reports on graduate admissions. The subcommittee recommended that certain information on graduate students be requested from the departments. The full committee decided that only part of this information should be requested and that it should be incorporated in the annual reports of the departments. (Note: Subsequently it was found that this information is already available through the Office of Graduate Studies so no formal request was made to the departments.)

On the issue of the authority of the committee, Dean Benedetti reported that the Senate Graduate Committee plans to ask the Senate to ratify the SGC's position that individual colleges do not have the authority to decrease University requirements. The sense of the committee was that this was not an unreasonable position and, in any case, it was not worthwhile to contest it."

February 24, 1981. "The committee first considered a request for CR/NC grading in Biology 405. Allen/Frandsen moved to approve the request and the motion passed unanimously.

The next item on the agenda was the proposed M.A. program in French to be offered at the Taos summer school. Professors Kramer and Senninger were present to speak in favor of the proposal. They pointed out that certain courses required for the M.A. in French were now available to the Taos students; this made it possible to offer the M.A. program almost entirely at Taos with very little main-campus attendance required. Rhodes/Schueler moved to approve the M.A. program in French at Taos and the motion passed unanimously.

The next request was that the Taos French program be authorized to offer seven hours of graduate credit. Dean Benedetti pointed out that it was University policy to offer no more than one hour of graduate credit per week of instruction; since the Taos program lasts only six weeks, this limit would be exceeded if seven credits were offered.

In response to questions, Professors Kramer and Senninger pointed out that the number of classroom 'contact hours' were sufficient for seven credits. They felt that the academic standards were unquestionably as high as those on the main campus. Also, being able to offer seven credit hours meant that it was possible for a student to earn an M.A. in four Taos summers plus a small amount of main campus work; this would make the program much more attractive to high school French teachers.

It was pointed out that allowing seven credits would have the positive educational effect of encouraging the student to finish the degree work expeditiously; a four-year program is preferable to one stretching out over five to seven years.

Professor Kramer pointed out that the Taos program possessed three unique features: first, the 'total immersion' aspect since French is spoken at all times; second, a strong interdisciplinary approach; and third, an emphasis on French culture in areas outside of France itself. The Quebec government has recently recognized the Taos program as the equivalent of the Middlebury program.

Professor Rhodes moved that the A&S Graduate Committee authorize the Taos French program to offer no more than seven graduate credits per summer session with the understanding that the committee does not oppose the 'one hour per week' policy; this exception is due to the very special nature of this intensive, round-the-clock language experience. Professor Tomlins seconded and the motion passed unanimously.

The two Taos proposals will be forwarded to the Senate Graduate Committee for their consideration." (They were subsequently approved by the Senate Graduate Committee.)

April 9, 1981. "The Committee first considered the request for approval to offer Sociology 326 in Santa Fe. Nelson Valdes, of the Sociology Department and the Latin American Institute, wrote to the committee explaining that the course would be offered under the auspices of the Santa Fe Graduate Center and would be taught on the grounds of the Santa Fe Preparatory School. This course would be part of the Summer Spanish American Institute at the Preparatory School. This Institute would begin this year by offering Sociology 326 plus another course for high school credit.

After some discussion Gorbet/Schueler moved that Sociology 326, to be taught by Nelson Valdes at the Santa Fe Preparatory School as part of the 1981 offerings of the Santa Fe Graduate Center, be approved, with the

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proviso that this course will be distinct from the high school course; i.e. they will not be taught simultaneously by a single instructor and high school students will not be mixed with graduate students in Sociology 326. The motion passed unanimously.

The next item was discussion of policies in awarding of graduate fellowships. Schueler/Tomlins moved that the committee recommend that fellowships be awarded on a university-wide basis and not allocated by college. The motion passed by a vote of eight for, one against and one abstention. Gorbet/Schueler then moved that the committee consider in the fall what the goals and procedures of the scholarship program should be. In particular, should the scholarships be awarded to the best students regardless of any other support these students may have? Or, should the purpose be to 'share the wealth' by giving scholarships to the best of the nonsupported students?"

Subcommittee Activities

The Subcommittee on Students selected nominees from Arts and Sciences for graduate fellowships at the request of the Dean of the College of Arts and Sciences and the Subcommittee on Faculty served as an advisory committee on sabbatical leave requests.

ANNUAL REPORT ON SUMMER SESSION
Richard C. Metzler

Planning started for the 1981 summer session in October of 1980. The A&S departments submitted their budget requests in terms of 1980 financing and these came to a total of \$481,912 which represented an increase of 16% over the 1979 budget (excluding the special allocation for the 1979 Linguistics Institute). A reduction to \$445,239 was achieved by eliminating courses in English, Biology, Physics, History, Math and Linguistics. At the end of 1980 a total amount of \$501 was available for contingency. All of this was computed in terms of 1980 salaries. When the summer budget was received from the provost in April 1981, an 8% increase was allotted to account for salary increases from 1980 to 1981. However the maximum salary and the salary for teaching assistants was increased by only 5%. In several departments this meant that the increase for the department was closer to 5% than 8% and the difference went to the contingency. This increase in the contingency fund allowed us to restore several courses which had been cut in October. To sum up, a preliminary budget of \$440,200 with a contingency of \$501 became the present budget (August 3, 1981) of \$485,830 with a contingency of \$5,478 (see Table 16).

A beginning was made on a policy of compensation for administrative service by department chairs during the summer. We are considerably behind neighboring schools in this matter, and the need for such a policy had been mentioned by Associate Dean Norman in past reports. We instituted a policy whereby chairs of large departments (7% or more of total A&S enrollment) received 7% of their salary for the summer. Chairs of medium size departments (3%-6% of A&S enrollment) received 3.5% of their

salary for the summer while chairs of small departments received 1.4% of their salary. We hope to improve this somewhat for next summer. Our long-range goal is in the 20% or 2/9 range. Unfortunately, if each chair were compensated at 2/9, the total outlay would be \$156,943 which represents 32% of the present summer budget.

The German and French summer language programs in Taos were in their second year of direct A&S financing this summer. Enrollments were 58 in the German school and 31 in the French school. The International Programs in Mexico and Spain enrolled 22 and 23 students respectively. Some thought is being given to establishment of a more permanent base in Spain.

ANNUAL REPORT ON TRAVEL
Richard C. Metzler

In view of this University's geographical isolation our travel budget is pitifully inadequate. The increase for 1980-81 was 7% while air fares had increased 50%. Faced with this shortfall we decided to maintain the first trip fraction of support at 60% while eliminating support of any more than one trip. In spite of this restriction our travel budget of \$39,500 was completely committed by October 9, 1980. We started a waiting list of faculty members needing assistance with travel expenses at this time. Due to cancellations we were able to accommodate every first-trip request on the waiting list. Our funds remained totally committed until the end of the fiscal year when three faculty members, who had confirmed for a second time their intention to travel, failed to take their scheduled trips. The result was a surplus of \$1,793.91 in the travel budget.

Formerly, the A&S policy was that a traveler was reimbursed for 60% of coach fare or for his or her actual expense, whichever was smaller. As this gave no incentive for the faculty member to obtain "super-saver" discounts under 60% of coach fare, the policy was revised as follows: Half of any savings resulting from a "super-saver" fare under 60% of coach fare would go to the traveler to help defray other travel expenses. The detailed breakdown of 1980-81 travel disbursements is given in Table 17.

Our travel support for 1981-82 will be up 5% to \$41,475. Since air fares have increased at least 15% this means that we will probably have a waiting list again this year and will almost certainly have to turn down some first-trip requests. Every year inflation increases the

burden on faculty members who try to maintain professional lines of communication. Every year Arts and Sciences helps a little less. It appears that much stronger efforts must be made to convince everyone from legislators on down that personal contacts between scholars are essential for the intellectual growth of our faculty.

ANNUAL REPORT OF THE A&S ADVISEMENT CENTER
Julian E. White, Jr.

The most salient features of the past year in the Arts and Sciences Advise ment Center have been: (1) changes of personnel, (2) increase in numbers of students advised, (3) expansion of student services.

A year ago the Arts and Sciences Advise ment Center staff consisted of Tom Venardos, director (.50 FTE), Kelli Livermore, Janet Franham, Terrie Moore, and Susan Lynch (.50 FTE). Only Susan Lynch (BA, Spanish; MA, Spanish; Ph.D., Romance Languages; .50 FTE in the Advise ment Center and .50 FTE in the Office of the Associate Provost for Community Educa- tion) remains on board. We have been exceedingly fortunate, however, in the calibre and professionalism of our replacement personnel, experienc- ing no difficulties of transition and managing to handle a 64% increase in the number of students advised during the year while simultaneously expanding services, especially in testing capability and at Kirtland Air Force Base. Sharon Donahue (BA, English; graduate study, English and philosophy) was hired to replace Kelli Livermore. In addition to normal advise ment, which is our most important though least glamorous and visible mission, Sharon has expanded the UNM services at KAFB in both depth and breadth. She is our specialist in the advise ment of military personnel and dependents. Mary "Polly" Park (BA, English, Sociology, Psychology; MA, Guidance and Counseling) came to the Center in October as replacement for Janet Franham. At this time we were interested in adding to the Center some testing capability to aid undecided students in determining their interests, abilities and aptitudes. With her background Polly was the ideal person to assume the responsibility as our testing specialist. Diane Rawls (BA, French; MA, French, ABD, Romance Languages) was hired

to replace Terrie Moore, but Diane is not a newcomer, having previously worked for the College of Arts and Sciences, both in the office and in the Advisement Center, from August 1978 until March 1980. With minimal updating on new requirements and regulations, Diane has fitted smoothly into her position, specializing in study skills and intra-office training.

During the period of this report the Advisement Center personnel saw a total of 9,997 students compared with 6,090 (figures revised and corrected) during the comparable period from July 1, 1979 through June 30, 1980. This total represents an increase of over 64%. In view of the fact that university enrollment remained in a nearly static state, it is evident that many more students are seeking advisement than previously.

In addition to KAFB and testing already mentioned, our expansion of student services has also been in the direction of pre-health sciences advisement, departmental liaison, development of additional informational handouts, academic "clusters" information, student services listing, closer cooperation with Career Services and Arts and Sciences departments in acquiring and promulgating vocational information, and personnel training.

Kirtland Air Force Base

One of the most time-consuming of the Advisement Center's operations is maintaining the UNM KAFB "presence." This satellite to the Center requires from 8 to 32 man hours weekly on the base, depending on the time of year, and the demands there are rapidly increasing. Several additional man hours are required on campus to process the Kirtland work. At Kirtland we not only provide advisement but are able to initiate and complete the entire registration process so that a student for whom it is impossible or very inconvenient need not come to the UNM campus except to attend his

classes. We also consider the KAFB service to be most productive to the university as a whole. Statistics are not available for the entire year but for Semester II and the 1981 Summer Session, we saw about 500 persons, registered 150 students for 400 courses, and processed 30 drop/add/withdrawal transactions.

Our military adviser also administers on base the Math Placement Test, referring students with appropriately high scores to Laura Cameron of the Department of Mathematics and Statistics for placement.

In order to improve and enhance her capability as our military adviser, Sharon just completed a two-week, two credit-hour course, Guidance and Counseling 492, through Continuing Education, "Counseling for Careers in the Military/Educational and Career Opportunities in the Military."

Pre-Professional Advisement

With the close cooperation of the UNM Pre-Medical Professions Club, Career Services, and the consultation and aid of the UNM School of Medicine, the Advisement Center undertook a reorganization of pre-health sciences advisement. The first step was the appointment of Susan Lynch, who completed the doctorate in December, as specialist in pre-professional advisement, with a mandate to concentrate her efforts on the health sciences, especially medical school admissions advisement, since other areas of pre-professional advisement seemed to be operating smoothly.

After consultation with medical college admissions personnel, both here and elsewhere, meetings with the Pre-Medical Professions Club, consultations with Career Services, examination of records of the former Health Sciences Advisory Committee, interviews with students both accepted and rejected by medical colleges, and study of data obtained through

the Association of American Medical Colleges Information Service and the National Association of Advisors in the Health Professions and its western regional group, we have a reorganized and revitalized Health Sciences Advisory Committee with a revision of procedures and change of emphasis which we hope will better serve applicants for schools of medicine.

Throughout the year Susan has maintained contact and cooperation with the UNM School of Medicine and the Pre-Medical Professions Club. She also has taken the initiative to meet with representatives of the state Department of Health and Human Services. Members of the Advisement Center staff also met with the representatives of Lasher and Associates, consultants for the Department of Education, during their visit to UNM on the subject of minority retention, and Susan served as coordinator/facilitator for their consultations with medical school personnel and the directors of the various minority student services. She represented the Advisement Center at Pre-Med Day on Saturday, April 25, attended appropriate meetings of the Pre-Medical Professions Club, and obtained from the School of Medicine and the School of Law information to update our pre-professional handouts. The director of the Advisement Center is a member of the National Association of Advisors in the Health Professions, the Western AAHP, and subscribes to the Association of American Medical Colleges Information Service and American Association of Dental Schools Application Service.

One area of concern in all pre-professional advisement continues to be the lack of career alternative planning, especially by pre-medical students. Many of these students have long had the ambition to become a physician and this goal-oriented attitude, together with the very restricted and focused course planning they perceive to be necessary for medical

school admission, has led them to concentrate so narrowly on this aim that many have never considered anything except medicine nor have they investigated any other possibility in the event that they are among the 65% who are not accepted into a school of medicine. The advisers have always, of course, urged students in the strongest possible terms to think of possible career alternatives but all too many refuse even to consider such an eventuality. We are planning to have some specific career/major alternatives to suggest, whereby the student may be better prepared. We are currently researching this problem but data is scarce and information is vague. So far our efforts have been concentrated on interviewing medical school administrators and faculty in the sciences. We have acquired some useful information by this process. Our efforts will continue in this area and we hope eventually to prepare a handout for advisees which will offer programs for career and major alternatives consonant with the requirements for medical school admission. Such alternatives might be in Arts and Sciences, in another college, or a combination. E.g., we have one pre-medical student who has worked out an excellent alternative in biomedical engineering. This is the sort of planning which we wish to encourage.

Testing

Due to increasing numbers of students who are undecided on interests, abilities, majors and minors, and career possibilities, it was decided during the past year to explore the possibilities of either administering tests in situ or referring to the Testing Center undecided students who might desire and benefit from some of the various tests available for this purpose. Polly Park, who has an MA in Guidance and Counseling, was the logical person to research this area and aid in the

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establishment and development of this expansion of service to students. In consultation with and with the cooperation of the Testing Center, we initially selected four tests which we believed had potential for helping undecided students and which, used with the interests portion of the ACT, might aid in advisement: (1) the Educational Interest Inventory; (2) the Self-Directed Search; (3) the Major-Minor Finder; (4) the Strong-Campbell Interest Inventory. Some of these could be administered and interpreted at the Advisement Center and others were to be authorized and interpreted by us but administered by the Testing Center. During the spring semester Polly completed Guidance 515, Using Tests in Counseling, which provided much available information and enabled her to compare the various tests--the purposes for which they were designed and how well those purposes are realized, according to the literature in the field. Accordingly, we were able to determine that, because of inherent strengths and weaknesses of certain tests and because of duplication and overlap, we would be able to accomplish our mission of advising undecided students by the utilization of two tests--the Major-Minor Finder and the Strong-Campbell Interest Inventory. A concomitant result of the course is that Polly is now certified as being qualified to interpret the results of the Strong-Campbell Interest Inventory. We plan to have another adviser take Guidance 515 and become certified as an interpreter.

Tests are offered free of charge. The Major-Minor Finder may be taken and interpreted at the center in a one and one-half hour advisement session. Contrary to our standard "open door" policy, we obviously must require students to make an appointment for this test. The test is specifically designed to help students decide what courses to take, their major and minor, and general career fields for which they may be most

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suites. The Strong-Campbell Interest Inventory is a more comprehensive test than the Major-Minor Finder, directed toward occupational type, interests (and aversions) in basic interest areas, degree of similarity to the characteristic interests of persons in a wide range of occupations. Advisers at the center may authorize and interpret the text; Polly, only can interpret it--all may authorize it; the Testing Center must administer it. Forty-five minutes is required for taking the test; it must be sent away for scoring, which takes about two weeks; approximately an hour with the adviser is needed for interpretation. A short, mimeographed information sheet on these two tests has been made available in our "tract rack," and students have already begun to show interest and sign up to take one or both tests. We anticipate a considerable increase of students utilizing these tests to help them out of their indecision and are pleased to be able to expand our service in this way.

Service to Other UNM Organizations

Advisers are often asked to assist in various projects, committees, workshops, etc. Some of these benefit our operation directly, some indirectly, some possibly not at all; however all provide services, primarily informational, to students and since our primary mission and goal is service to the students, we consider all such projects as within our purview and welcome the opportunity to participate and contribute.

Orientations and Transfer Day

During the period covered by this report, we have experienced three freshman/transfer orientation periods for the academic year 1981-82, May 25-26, June 9-10, June 17-18. According to Paul Woods, the Arts and Sciences Advisement Center sees the majority of students who participate in new student orientation. Advisement sessions here differ little from

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our usual new-student advisement. Orientation days this year have seemed to move more smoothly and efficiently. Though we see many students, they are adequately spaced to avoid pile-ups, and students are better informed, know what they need, and know the right questions to ask.

On Transfer Day, March 27, advisers held sessions with new transfer students for all practical aspects of the registration process: evaluation of transcripts, advisement on A&S group requirements and major/minor requirements, departmental referrals where appropriate, assistance in making out schedules so students could register the same day, etc.

Department Liaison

Results of a major project of departmental liaison, begun and completed during Semester I, have been especially valuable and we plan to do an annual consultation and update with all Arts and Sciences departments. One of the first major projects of the new Director of the Advisement Center was to inform the Arts and Sciences departments of the operation of the center, its capabilities and limitations, to establish person-to-person liaison so as to have a definite faculty adviser, at least one per department, to whom advisees might be referred, and to obtain from departments the latest information on their requirements for majors/minors, career-potential information, and any other pertinent data. To effect this exchange, the twenty Arts and Sciences departments were divided equally among our advisers for facilitations of consultation, and information obtained by each was shared by all. We now have a list, available to all advisers and faculty advisers, of the faculty advisers/contacts for each department, often including detailed breakdowns for specialists in subfields within departments; e.g. by languages for Modern and Classical Languages and by specialties for Geography. These

lists also include such items as telephone numbers, office addresses, course changes since the latest catalogue, restrictions, career advising information, suggested courses for freshmen and sophomores contemplating majors in a department, faculty changes, courses meeting group requirements, new programs, etc., though of course not all of these for every department. In addition to the obvious liaison and information flow envisioned for this project, there have been at least two corollary benefits: (1) an increase in the quantity and quality of information on career possibilities furnished to the center by the departments, and (2) an increase in course description booklets made available by departments. The departmental liaison project has proved invaluable in establishing contact and maintaining liaison with the departments and in obtaining information which may not yet appear in the catalogue (especially with biennial publication) or other publications. We intend to do this annually to keep our information current and, as a matter of fact the process for 1981-82 has already begun.

Student Services Information

Another project completed last year is the development of an Update on Student Services. This compilation contains information on twenty different offices, organizations, services, centers, and programs which provide services to students, and serves as the basis for our referral system for students who need services, other than advisement, which we may not be equipped or qualified to give them. Contained in this update are data on the directors, telephone numbers, addresses, and a summary of the services available. The Update on Student Services is available to all Arts and Sciences

advisers, department offices, and faculty advisers. The Update is made current annually.

Informational Handouts

A continuous activity of the Advisement Center is the development and updating of the various mimeographed information guides we maintain for students. These are available from the advisers as well as in our "tract rack" in the foyer. We currently publish about fifteen of these handouts, and periodically revise them to reflect recent changes, such as our revision this year of the pre-medicine handout, and we also develop new ones to furnish information on new programs or existing programs in which students are evidencing increased interest. The majority of our handouts are one or two pages, giving concise information which may serve as a guide and basis for advisement sessions; most are for pre-professional advisement. In an effort to keep abreast of increased student career consciousness, we have developed during the past year two special general handouts: (1) Employment Ideas/Possibilities for Liberal Arts Students and, (2) Course Offerings Which Help to Fulfill Both Arts and Sciences Group Requirements and Aid in Future Job Skills. Sometimes handouts are furnished to us, especially for minors outside the College of Arts and Sciences; e.g. Computing and Information Science and the Anderson School of Management. We are currently preparing a pamphlet on Study Skills through the efforts of Diane Rawls who has taught study skills classes and workshops at the UNM Belen facility and at Northern New Mexico Community College.

Career Fair

The fifth annual Career Fair was held on March 25 in the South and Central portions of the SUB ballroom. This activity, traditionally a

cooperative effort between the Arts and Sciences Advisement Center and Career Services, was this year expanded to include the participation and cooperation of University College. Twenty-three potential employers were represented by one or more recruiters, with information available running the gamut from simple brochures to elaborate color-photograph pamphlets and booklets to audio-visual presentations of slides, film-strips, video-tapes, etc. Though no tally was kept of student participation, we estimate about 200 student visitors; 60 students responded to the student questionnaire. All the Advisement Center staff helped with the fair by manning the entrance booth, handing out information, surveys, questionnaires, etc., and answering questions of both students and employer representatives. Additionally, the Arts and Sciences office helped with typing, mailing and other clerical work and its share of expenses for lunches, etc. At least from the viewpoint of student and employer participation, the Career Fair may be considered a success. Responses to questionnaires and surveys were generally favorable and suggestions for improvement were received and will be implemented where practicable. Kelli Livermore of Career Services and formerly of the Arts and Sciences Advisement Center staff was the coordinator of the Career Fair and deserves commendation for her energy and efforts.

Miscellaneous Items

For more effective contact and increased availability during peak registration periods, the center now remains open during the lunch hour at these times.

Under the direction and coordination of Sharon Donahue, we plan in the fall to attempt a "mass" orientation for potential Arts and Sciences students to advise them in those areas which seem to be the most complex,

time-consuming, but absolutely necessary for students, e.g. A&S group requirements, the Communications Skills Test, graduation requirements, specific programs available, student services, etc. It is hoped that this dissemination of information generally will result in fewer students needing individual advisement in these areas and thereby release additional time for advisers to spend with students who have more complicated problems of advisement and planning.

COPY

THE UNIVERSITY OF NEW MEXICO

COPY

DATE: April 20, 1981

TO: Faculty, College of Arts and Sciences

FROM: F. Chris Garcia

SUBJECT: Teaching and Other Criteria for Salary Allocation

We have, as faculty members, two major responsibilities at the University of New Mexico: (1) the discovery and accumulation of knowledge and (2) the transmission and dissemination of that knowledge. These major objectives are divided into the major categories of research and teaching and, to a lesser extent, service. Since these are the prime responsibilities of every faculty member, it is only logical that the relative performance on those duties ought to be taken into consideration when decisions are made with regard to faculty promotion, tenure, salaries, and other forms of professional advancement. These are codified in our faculty handbook on pages B-21 and B-22 in its discussion of the appointment and promotion policies of the faculty. Carried throughout this statement of faculty policy are the criteria of (1) teaching, (2) scholarship, research or other creative work, (3) service, and (4) personal characteristics.

I. TEACHING

It is not by accident that teaching is given a primary position in this discussion of the bases for professional advancement at the University of New Mexico. Even if some of us may wish it to be otherwise, the taxpayers of the State of New Mexico are paying us primarily to educate the citizens of this state. The Regents, as the representatives of the people of New Mexico and the governing board of this institution, are first and foremost concerned with our classroom activities. Our primary obligation to those who support us is to offer the finest instruction we can. Since we are "paid to teach," I am astonished to learn that some of our faculty members oppose the evaluation of teaching as part of their annual job performance assessment and that others accede to this responsibility but do not believe that evaluations ought to affect their salaries. Those faculty members who refuse to have a major component of their professional responsibilities evaluated must accept the results of their irresponsibility when resources are allocated. Any faculty member contending that he/she ought not to be evaluated on the basis of teaching performance or asserting that evaluation of teaching is not legitimately included in the criteria for professional advancement including salary allocation will find an unsympathetic audience in this office.

Some faculty members object to the evaluation of teaching or the inclusion of teaching evaluation as a criterion for salary allocation for various reasons. It has been contended that, because not all faculty members turn in teacher evaluations, comparisons are impossible due to the lack of data. The solution of this problem seems obvious. It also

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has been asserted that there is a considerable range from one class to another in the percentage of students who fill out forms. This might be significant, in which case those figures ought to be taken into consideration when evaluating teaching. The attrition in enrollment from the first day of class to the day on which evaluations are held is a significant indication in and of itself of the teaching performance of the faculty member. Some hold that the range of responses on student evaluations is not wide enough to allow for meaningful distinctions in pay decisions. I would hope that we would not hire or retain anyone whose student evaluations would be far below the average for the department; however, I remain unconvinced that there is not the same kind of variation in our teaching performances as there are in the performance of our other duties. Although it is true that most of our evaluations will be close to the norm, there should still be enough variation that, over a period of time, meaningful distinctions could be made between superior, better than average, and below average teaching performances. I consider the assumption that teaching performance is of unvarying quality across all of our faculty members unwarranted and lacking proof. If our measures of teaching performance do not indicate significant teaching variation, I would suggest the evaluation instrument itself ought to be scrutinized and that instruments ought to be devised which would detect the variation which is most likely there.

Some faculty have stated that there is a widespread disagreement as to what it is that student evaluations of teaching really measure. I agree that there are some debates over the matter. Be that as it may, since students are our prime clientele, they must somehow have an input into any evaluation of teaching. Even though students will sometimes confuse theatrical performance and entertainment with the effective facilitating of learning, over the years we have developed several very good instruments for student evaluation of teaching which minimize this feature. These instruments have been tested at several universities with tens of thousands of students and have been subject to intensive research into their reliability and validity. We should resist drawn-out, fruitless debates over which particular instrument is best and proceed with choosing and employing one that has been extensively researched, has a proven level of reliability and validity, and is flexible enough to cover our diverse needs in this college. As in the past, I again recommend the ICES evaluation system to you (particularly to departments which either do not have measuring instruments or whose current instruments are somewhat inadequate). This system allows for the great variation in subject matter which we find in our college, for differences in the size of our classes, and for different teaching methods, that is, seminar, lab, lecture, discussion, etc.

Departments are urged to do in-house research on the use and results of student teaching evaluations. Using our own research skills applied to the data gathered in our classes, we can determine the effect of such variables as the size of class, whether the class is mandatory or elective, the effect of student grade expectations or grade point averages, and other such factors. This then can lead to a more discriminating application of the ratings by students to faculty performance. I also urge you to consult the small, but growing, field of published research data on student evaluation of teaching. This material will help us to more

completely comprehend the results of student evaluations and will give us a better understanding of the limitations and applicability of these measures.

There are other less direct means by which students evaluate teaching. We should look closely at enrollments in our courses. Faculty members who continually fail to attract students to their classes may have a problem with their teaching. I am aware that subject matter and the reputation of difficulty of a class can affect student enrollment, but these factors can be taken into account and should not be used as excuses to cover up bad teaching. Apparently there is something to the notion of students "voting with their feet." This college cannot afford to have faculty members whose lack of teaching effectiveness drives off students. Similarly, faculty who regularly have complaints filed against them by students most likely have problems in their teaching. All of these indicators should be taken into consideration when evaluating the teaching effectiveness of our faculty and when making salary allocations. The chairpersons of our departments should always take informal and formal student evaluations into consideration, enter them into the record of each professor, and maintain a well-documented file on the teaching effectiveness of each of our faculty members.

I do not believe that student evaluation should be the only measure of our teaching performance. Other methods, such as peer or administrative evaluations, can also be employed. Peer evaluation is particularly important and appropriate. Many of us already have formed opinions about the teaching ability of most of our colleagues. We base this rather subjectively on our discussions with other colleagues and students. These procedures need to be regularized and systematized. Some of our departments use classroom visitations by senior faculty members, or salary committees, or the chairpersons. Others evaluate teaching by the examination of the teaching materials used by their colleagues. Some gauge this by the concern or interest that their colleagues show in discussions about pedagogy. Regardless of the methods employed, I would expect that peer evaluations would play an integral part in the evaluation of teaching performance and that student evaluations would be a major, but not a sole, element in these evaluations.

II. RESEARCH

It may be true that teaching is more difficult to evaluate objectively than is research productivity, yet the objective measurement of the latter is also problematic. We often make questionable assumptions when doing so, and we have tended to ignore many difficulties in the assessment of research. Oftentimes we ignore the tough questions regarding the quality or the worth of research and simply fall back on the poor surrogate of quantity, counting pages or the number of articles. Often we accept the questionable assumption that because an article appears in a particular journal, because a funding agency provides support for a project, or because a "prestige" publisher accepts a manuscript for publication, the research is of high quality. These assumptions may or may not be well taken. The point is that we seldom examine these assumptions. Yet we are quick to reject the evaluation of teaching simply because there are

some unanswered questions about the appropriateness of some methods of teacher evaluation. We should not, at this time at this institution, be debating whether or not evaluation of our teaching ought to take place nor whether it should be used in salary allocations; we should be discussing how this may be best done.

Research is and always will be one of our primary responsibilities at this institution, and nothing in this memo should be construed as a disparagement or devaluation of our research efforts. I will do everything I can to support and encourage quality research in all our departments. It is obvious that all departments must include research productivity as part of the salary allocation decision-making process. It is not extensively discussed here simply because there is little or no disagreement over this point. However, we must consider that in many ways, research productivity is rewarded outside salary allocations. Good research brings prestige, status, and monetary rewards to its producer. Funding agencies provide goodly sums of money for equipment, graduate students, and other forms of support to those who gain a reputation through their research activities. National or international renown accrues to those persons who through their published works make a name for themselves in the area of chosen research activity. Lucrative consultancies may come to the faculty member who establishes his/her research capabilities through academic research activities. It could therefore be argued that good research is its own reward and brings many benefits, including monetary ones, and therefore ought to be given secondary considerations in the allocation of salary monies. Teaching, on the other hand, is not a lucrative activity. The rewards are primarily symbolic and psychological. Almost the only monetary rewards that can accrue for good teaching performance are those provided to us by the people of this state explicitly for the purpose of instructing our students.

III. SERVICE

If it is not yet evident, let me state that I feel strongly that an ideal determination of salary allocations should include both teaching and research at relatively equal weights. Outside community service is also an important duty for public employees. Internal services to the university, college, and department are crucial to an institution with a tradition of faculty governance. We must all do our share of administrative duties--attending meetings, committee assignments, etc. Service activities in our professional organizations is also commendable. These service activities should also be included in salary decisions but to a lesser extent than teaching and research.

IV. BALANCE

In meetings of the council of chairs, we have discussed a tripartite weighting scheme whereby teaching, research, and service were allocated weights of 45-45-10 per cent or 40-40-20 per cent, respectively. Either of these or other variations are perfectly reasonable as long as all three components are included. I could be convinced that in some departments a slight preference be given to the research function; in others perhaps teaching should be considered more important. Individuals have

varying talents and a different balance may be struck for each. Nevertheless, the complete exclusion of one or the other will not be supported by this office. Decisions made by any of our chairs or by faculty departmental salary committees which, in my judgment, have attempted to equitably distribute salaries based on the primary criteria of teaching, research, and service will be supported. Individuals appealing the salary decisions of their chairs must present a well-documented case demonstrating that they were treated unfairly in the assessment on these criteria in order to have any credibility.

I am somewhat embarrassed that this kind of policy statement is necessary, but I am also convinced that it is needed, not for a majority of our departments or a majority of our faculty, but for those few departments and faculty who still resist the idea that our instructional responsibilities are of prime importance. The Regents' position and the faculty's policy as expressed in the faculty handbook should be evidence enough to support this position. We owe both our profession and those who pay our salaries our best efforts; all faculty in the College of Arts and Sciences should set, by example, the highest standards of both instruction and research.

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TABLE 1

CHAIRPERSONS AND PROGRAM DIRECTORS, 1980-81

Departments

AMERICAN STUDIES	JOURNALISM
Sam B. Girgus	Robert H. Lawrence
Charles D. Biebel, Acting Sem. II	LINGUISTICS
ANTHROPOLOGY	Garland D. Bills
Jeremy A. Sabloff	MATHEMATICS AND STATISTICS
BIOLOGY	W. Tom Kyner
James S. Findley	MODERN AND CLASSICAL LANGUAGES
CHEMISTRY	Sabine R. Ulibarri
Guido H. Daub	PHILOSOPHY
COMMUNICATIVE DISORDERS	Howard J. Tuttle
Lloyd E. Lamb	PHYSICS AND ASTRONOMY
ECONOMICS	R. Marcus Price
Alfred L. Parker	POLITICAL SCIENCE
ENGLISH	Robert J. Sickels
Hamlin Hill	PSYCHOLOGY
GEOGRAPHY	Henry C. Ellis
Richard E. Murphy	SOCIOLOGY
GEOLOGY	Pedro R. David
Rodney C. Ewing	SPEECH COMMUNICATION
HISTORY	Kenneth D. Frandsen
Janet Roebuck	

Programs

ASIAN STUDIES	LATIN AMERICAN STUDIES
Fred G. Sturm	Nelson P. Valdes
COMPARATIVE LITERATURE	MAXWELL MUSEUM
Peter K. Pabisch	Mari Lyn Salvador, Acting
FRESHMAN ENGLISH	OFFICE OF CONTRACT ARCHAEOLOGY
Michael J. Hogan	Joseph Winter
IBERO-AMERICAN STUDIES	PALEOECOLOGY
Marshall R. Nason	Roger Y. Anderson
INSTITUTE OF METEORITICS	RUSSIAN STUDIES
Klaus Keil	Richard G. Robbins
INSTITUTE OF MODERN OPTICS	SOUTHWEST HISPANIC RESEARCH
Marlan O. Scully	INSTITUTE
	David R. Maciel

TABLE 2

STANDING AND SPECIAL COMMITTEES,
COLLEGE OF ARTS AND SCIENCES, 1980-81

A&S Tenure Committee

Tamara Holzapfel, Modern and Classical Languages, Chairperson
Rodman E. Snead, Geography
Paul L. Hain, Political Science
Wolfgang Elston, Geology
Elinore M. Barrett, Geography
Roger Anderson, Geology
William M. Dabney, History

A&S Promotion Committees

Humanities:

William M. Dabney, History, Chairman
Ernest W. Baughman, English
Raymond R. MacCurdy, Modern & Classical Languages
Stuart Novins, Journalism
Fred G. Sturm, Philosophy

Natural Sciences and Mathematics:

Roger Anderson, Geology, Chairman
Colston Chandler, Physics
Donald W. Duszynski, Biology
Douglas P. Ferraro, Psychology
Fritz S. Allen, Chemistry
Richard B. Hood, Communicative Disorders
Art Steger, Mathematics and Statistics

Social Sciences:

Elinore M. Barrett, Geography, Chairperson
Patricia Draper, Anthropology
Richard F. Tomasson, Sociology
Sanford Cohen, Economics
Martin Needler, Political Science

A&S Human Subjects Committee

Henry C. Harpending, Anthropology, Chairman
Jay B. Sorenson, Political Science
Harold D. Delaney, Psychology
Paul D. Steele, Sociology
Allen Lichtenstein, Speech Communication
Priscilla Thompson

TABLE 2 (contd.)

A&S Academic Policy and Curriculum Committee

Lambert H. Koopmans, Mathematics and Statistics, Chairman
 Mary Bess Whidden, English
 Peter A. Lupsha, Political Science
 William F. Coleman, Chemistry
 Clifford S. Crawford, Biology
 Ferenc M. Szasz, History

A&S Computer Use Committee

Robert Tapscott, Chemistry, Chairman
 Ronald M. Schrader, Mathematics and Statistics
 Peder J. Johnson, Psychology
 James L. Ray, Political Science
 Bradley T. Cullen, Geography

A&S Student Advisory Committee

Tom Logan, Anthropology
 Greg Sivinski, Political Science
 Phoebe Latimer, Economics
 Joseph P. Rippin, English
 Lisa Davidson, Speech Communication
 Clifford Nomberg, Psychology
 Patricia Spann, Philosophy (deceased)
 Louise Baca, Psychology
 Julie Altwies, Sociology
 John Appel, Geology
 James H. Hinton, Economics
 Bill Shy, History
 Melinda Bray, Communicative Disorders
 John Hilverding, History
 Michael I. Toubbeh, Chemistry

A&S Graduate Committee

Richard C. Metzler, Chairman (Associate Dean, Arts and Sciences)
 Sam Girgus, American Studies
 Larry Gorbet, Anthropology
 John Wiens, Biology
 Cary Morrow, Chemistry
 Linda Riensche, Communicative Disorders
 Sanford Cohen, Economics
 James Barbour, English
 Jerry Williams, Geography
 Barry Kues, Geology
 Jake Spidle, History
 Alan Hudson-Edwards, Linguistics
 Richard Allen, Mathematics and Statistics

TABLE 2 (contd.)

A&S Graduate Committee (contd.)

Jack Tomlins, Modern and Classical Languages
 Fred Schueler, Philosophy
 James D. Finley, III, Physics and Astronomy
 James L. Ray, Political Science
 John Rhodes, Psychology
 Arthur St. George, Sociology
 Kenneth Frandsen, Speech Communication
 David T. Benedetti, Associate Dean, Graduate Studies
 Dennis Heineman (Student), Biology
 Emmelienne Schreiner (Student), Educational Foundations
 Gary Dodson (Student), Biology

A&S Latin American Studies Advisory Committee

Fred G. Sturm, Philosophy, Chairman
 Elinore M. Barrett, Geography
 Peter Gregory, Economics
 Tamara Holzapfel, Modern and Classical Languages
 Michael Conniff, History
 Gilbert Merckx, Sociology
 Martin Needler, Political Science
 Karl Schwerin, Anthropology

A&S American Studies Committee

Sam B. Girgus, American Studies, Chairman
 Ernest Baughman, English
 George Arms (Emeritus), English
 Sanford Cohen, Economics
 Robert Fleming, English
 Douglas George, Art
 Hamlin Hill, English
 Ira S. Jaffe, Theatre Arts
 Peter Lupsha, Political Science
 Vera Norwood, Provost's Office
 Howard Rabinowitz, History
 Harold Rhodes, Political Science
 Daniel Slate, Anderson School of Management
 M. Jane Slaughter, History
 Anne Taylor, Art Education
 M. Martha Weigle, Anthropology and English
 Peter L. White, English
 Charles Biebel, American Studies
 Helen Bannan, American Studies

TABLE 2 (contd.)

A&S Comparative Literature Committee

Peter K. Pabisch, Modern and Classical Languages, Chairman
June C.D. Carter, Modern and Classical Languages
Patrick J. Gallagher, English
Dick C. Gerdes, Modern and Classical Languages
Bruno Hannemann, Modern and Classical Languages
Natasha Kolchevska, Modern and Classical Languages
Byron T. Lindsey, Modern and Classical Languages
Antonio Marquez, English
David C. McPherson, English
Patricia Murphy, Modern and Classical Languages
George F. Peters, Modern and Classical Languages
Alfred Rodriguez, Modern and Classical Languages
Warren S. Smith, Jr., Modern and Classical Languages
Ronald Swigger, English
Jon M. Tolman, Modern and Classical Languages
Jack E. Tomlins, Modern and Classical Languages
Joseph B. Zavadil, English
Robert O. Evans, Director, General Honors

TABLE 3

FACULTY PROMOTIONS, RETIREMENTS, SEPARATIONS, AND APPOINTMENTS,
TENURE AND THIRD-YEAR TERM DECISIONS, 1980-81

Promotions

To Full Professor:

Richard C. Allen	Mathematics and Statistics
Albert M. Church	Economics
Charles E. McClelland	History

To Associate Professor:

Oswald C. Baca	Biology
Charles D. Biebel	American Studies
Michael Conniff	History
Harold D. Delaney	Psychology
William C. Dowling	English
Michael R. Fischer	English
Jeffery W. Froehlich	Anthropology
Dick C. Gerdes	Modern and Classical Languages
Larry P. Gorbet	Anthropology
Richard M. Grassl	Mathematics and Statistics
Steven Kramer	History
Robert H. Lawrence	Journalism
Richard J. Jensen	Speech Communication
Su-Moon Park	Chemistry
Ronald M. Schrader	Mathematics and Statistics
Patricia Smith	English
Lawrence G. Straus	Anthropology
Randy Thornhill	Biology
John L. Trujillo	Biology
Carla Wofsy	Mathematics and Statistics

Separations

Jose Agustin-Ramirez	Modern and Classical Languages
Helen M. Bannan	American Studies
Arthur L. Basham	Philosophy
Charles F. Campana	Chemistry
James F. Crow	Journalism
Dinko Cvitanovic	Modern and Classical Languages
Melvin L. DeFleur	Sociology
Peter Eggenberger	Philosophy
Frieda Gehlen	Sociology
Therese Goetz	Psychology
Eugene C. Hargrove	Philosophy
Margaret W. Hyman	Journalism
Ronald N. Johnson	Economics

TABLE 3 (contd.)

Separations (contd.)

Thomas E. Jones	Chemistry
Edmund P. Kaminski	Speech Communication
Jane L.B. Kopp	English
Catherine A. Macken	Mathematics and Statistics
Paul Morgan	Geology
Timothy G. Plax	Speech Communication
Ivory T. Robinson	Political Science
Javier Salas	Economics
Alastair Shedden	Geography
Leslie M. Silko	English
Zane Taichert	English
Marcia Tillotson	English
Frank E. Wozniak	History

Retirements

Ernest W. Baughman	English
John R. Green	Physics and Astronomy
Milton Kahn	Chemistry
Raymond R. MacCurdy	Modern and Classical Languages

New AppointmentsAnthropology:

Susan Kent	Visiting Assistant Professor
James Wessman	Visiting Assistant Professor

Chemistry:

Riley Schaeffer	Professor, Chairman
James D. Satterlee	Assistant Professor

Economics:

Roger B. Andrea	Assistant Professor
Patricia Oslund	Assistant Professor

English:

Lee Anthony Bartlett	Assistant Professor
Lynn Diane Beene	Assistant Professor
Helen Damico	Assistant Professor
David K. Dunaway	Assistant Professor
Rick A. Eden	Assistant Professor

TABLE 3 (contd.)

New Appointments (contd.)Geography:

Dennis Fitzsimmons	Assistant Professor
Morris L. Uebelacker	Visiting Assistant Professor
Stuart H. White	Visiting Assistant Professor

Geology:

F. Donald Bloss	Caswell Silver Distinguished Professor
Kenneth D. Mahrer	Assistant Professor
Leslie D. McFadden	Assistant Professor

Journalism:

Herbert I. Innerst	Visiting Assistant Professor
Burton A. Wittrup	Assistant Professor

Linguistics:

Steven L. Strauss	Assistant Professor
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Mathematics and Statistics:

Homer F. Walker	Visiting Professor
Edward J. Bedrick	Assistant Professor
Frank J. Kelly	Lecturer II
Glenn L. Pfiefer	Lecturer II
Michael Pilant	Visiting Assistant Professor

Modern and Classical Languages:

Gustavo Sainz	Professor
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Philosophy:

Donald R. Riggs	Visiting Assistant Professor
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Political Science:

Debra Rosenthal	Assistant Professor
Richard Fralin	Assistant Professor
Jeanne L. Wilson	Visiting Instructor
Joel E. Brooks	Visiting Assistant Professor
Martin Sanchez-Jankowski	Assistant Professor

TABLE 3 (contd.)

New Appointments (contd.)Sociology:

Susan Tiano

Assistant Professor

Speech Communication:

Thomas D. Daniels

Assistant Professor

Third Year Term DecisionsAnthropology:

Mari Lyn Salvador

Robert S. Santley

Mathematics and Statistics:

Catherine A. Macken

Biology:

Terry L. Yates

Political Science:

Martha Good

Philip G. Roeder

Communicative Disorders:

Linda Riensche

Psychology:

Mark A. Brecht

Geography:

Alastair Shedden

Sociology:

Richard M. Coughlin

Philip A. May

History:

Frank E. Wozniak

Tenure Decision Dates, June 30, 1981American Studies:

Helen M. Bannan

Chemistry:

Su-Moon Park

Anthropology:

Lawrence G. Straus

English:

William C. Dowling

Robert O. Evans

Michael R. Fischer

Biology:

Rex G. Cates

Douglas E. Caldwell

Manuel C. Molles, Jr.

Randy Thornhill

John L. Trujillo

History:

Michael L. Conniff

Steven P. Kramer

TABLE 3 (contd.)

Tenure Decision Dates, June 30, 1981 (contd.)Modern and Classical Languages:

Dick C. Gerdes

Philosophy:

Andrew J. Burgess

Political Science:

James L. Ray

Psychology:

Harold D. Delaney

William C. Gordon

Sociology:

Nelson P. Valdes

TABLE 4
FTE BUDGETED FACULTY, 1980-81

<u>Department</u>	<u>Returning Faculty</u>	<u>New Faculty</u>	<u>Part-Time Instruction</u>	<u>GA's/TAs</u>
American Studies	3.71	--	--	.50
Anthropology	19.53	2.00	1.50	3.50
Biology	29.67	--	--	20.27
Chemistry	17.40	4.00	--	14.50
Communicative Disorders	7.41	--	.39	1.00
Economics	16.97	2.00	.42	3.00
English	34.37	5.00	5.85	23.00
Geography	5.87	2.00	.23	1.50
Geology	14.00	2.00	.36	6.50
History	26.50	--	--	8.00
Journalism	5.13	2.00	.49	--
Linguistics	2.17	1.00	--	.50
Mathematics & Statistics	35.34	3.25	1.53	11.00
Modern & Classical Languages	31.82	2.00	1.00	16.50
Philosophy	10.00	1.00	--	2.50
Physics	18.44	1.00	1.08	9.50
Political Science	12.02	4.00	--	2.00
Psychology	22.10	1.00	--	6.50
Sociology	13.70	3.00	--	2.00
Speech Communication	8.00	2.00	--	2.00
A&S Contingency	--	--	8.50	1.00
TOTAL	334.15	37.25	21.35	135.27

TABLE 5

NUMBER OF STUDENTS ENROLLED
COLLEGE OF ARTS AND SCIENCES

<u>Year</u>	<u>Sem. I</u>	<u>% Inc. Over Prev. Year</u>	<u>Sem. II</u>	<u>% Inc. Over Prev. Year</u>
1970-71	2,541	3.5	2,518	4.4
1971-72	2,563	0.9	2,490	- 1.1
1972-73	2,644	3.2	2,837	13.9
1973-74	2,857	8.0	2,797	- 1.4
1974-75	2,724	-4.7	2,746	- 1.8
1975-76	2,684	-1.5	2,756	0.4
1976-77	2,663	-0.8	2,737	- 0.7
1977-78	2,582	-3.0	2,602	- 4.9
1978-79	2,397	-7.2	2,322	-10.8
1979-80	2,267	-5.4	2,205	- 5.0
1980-81	2,099	-7.4	2,350	6.6

TABLE 6

STUDENT CREDIT HOURS TAUGHT, UNM AND A&S

<u>Year</u>	<u>Student Credit Hours</u>		<u>A&S Percent of Total</u>
	<u>UNM</u>	<u>A&S</u>	
1970-71	425,189	267,234	62.9
1971-72	444,361	279,705	62.8
1972-73	425,302	278,577	65.5
1973-74	420,311	256,979	61.1
1974-75	517,455	300,821	58.0
1975-76	461,641	285,551	61.9
1976-77	487,208	279,810	57.4
1977-78	476,229	267,786	56.2
1978-79	473,266	272,829	57.6
1979-80	495,039	279,666	56.5
1980-81	508,267	282,239	55.5
Change 1980-81			
Over	13,228	2,573	
1979-80	2.7%	0.9%	
Increase 1980-81			
Over	83,078	15,005	
1970-71	19.5%	5.6%	

TABLE 7

STUDENT CREDIT HOURS BY DEPARTMENT

Department	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	% Dif- ference 1980-81
American Studies	5,455	5,970	3,002	3,158	2,302	2,077	1,923	2,063	7.28
Anthropology	15,983	17,156	15,489	12,225	10,861	9,758	9,611	8,674	- 9.75
Biology	22,449	25,872	24,565	23,278	21,863	20,458	20,690	20,783	.45
Chemistry	16,338	19,810	18,249	19,397	18,143	18,203	18,414	17,988	- 2.31
Comm. Disorders	2,243	2,531	2,758	2,928	2,601	3,096	2,949	2,876	- 2.48
Economics	10,483	12,908	13,045	12,168	13,899	15,369	17,346	18,136	4.55
English	28,392	32,564	30,478	31,370	29,128	30,109	32,813	33,117	.95
Geography	4,960	5,838	6,008	5,545	5,410	6,001	6,296	5,664	- 10.04
Geology	9,332	10,028	8,728	8,797	8,154	9,023	10,211	10,212	.01
History	19,636	22,676	21,740	19,745	19,960	21,192	19,598	17,924	- 8.54
Journalism	3,109	3,603	3,584	3,425	3,016	3,045	2,846	2,840	- .21
Linguistics	1,460	1,921	1,986	1,615	1,304	1,319	1,042	3,176	204.80*
Math & Statistics	25,620	32,154	32,043	35,167	35,346	38,414	43,405	46,252	6.56
Mod. & Clas. Lang.	17,257	22,917	23,985	21,491	19,648	19,178	18,901	19,063	.86
Philosophy	9,287	11,020	9,631	7,926	5,922	4,825	5,933	5,648	- 4.80
Physics & Astr.	11,446	13,334	12,847	11,842	11,731	12,278	12,998	14,009	7.78
Political Science	10,506	11,659	10,876	10,391	10,621	9,675	9,606	9,450	- 1.62
Psychology	25,038	26,804	24,832	24,422	24,273	25,358	22,080	20,607	- 6.67
Sociology	10,055	12,170	11,182	13,778	15,155	14,327	14,483	15,052	3.93
Speech Comm.	7,929	9,886	10,523	11,142	8,328	9,124	8,521	8,705	2.16
TOTAL	256,979	300,821	285,531	279,810	267,665	272,829	279,666	282,239	.92

*Unusual figure due to 1980 Linguistics Institute.

TABLE 8

DEGREES AWARDED
COLLEGE OF ARTS AND SCIENCES

Year	Bachelor's Degrees		Advanced Degrees					
	No. of Degrees	% Inc. Over Previous Yr.	Master's (a)		Doctor's		Total	
			No.	% Inc.	No.	% Inc.	No.	% Inc.
1971	592	- 1.5	171	2.4	73	1.4	244	2.1
1972	435	-26.5	130	-24.0	47	-35.6	177	-27.5
1973	622	43.0	189	45.4	84	80.9	273	54.8
1974	734	18.0	154	-18.5	88	4.7	242	-11.3
1975	816	10.0	128	-16.8	64	-27.2	192	-20.6
1976	707	-13.3	128	0.0	74	15.6	202	4.2
1977	611	-13.6	159	24.2	69	- 6.8	228	12.9
1978	662	8.3	167	5.0	68	- 1.4	235	3.1
1979	577	-12.8	143	-14.4	55	-19.1	198	-15.7
1980	627	8.7	123	-14.0	58	5.5	181	- 8.6
1981	500	-20.3	121	- 1.6	73	25.9	194	- 7.1
10-Year Change	92	-15.5	50	-29.2	0	0.0	50	-20.5

(a) These figures do not include Master of Arts in Teaching and Master of Education in Science degrees.

TABLE 9

DEGREES AWARDED, A&S AND UNM, 1971 AND 1981

College	Bachelor's Degrees			Advanced Degrees		
	1971	1981	% Inc.	1971	1981	% Inc.
Arts and Sciences	592	459*	-22.5	244	194	-20.5
B.U.S.	268	325	21.3	--	--	--
Other Colleges**	884	1,069	20.9	424	709	67.2
UNM TOTAL	1,744	1,853	6.3	668	822	23.0

*This figure does not agree with the A&S total in Table 10 because degrees granted with double majors are counted only once here.

**Excludes Law and Medicine.

TABLE 10
DEGREES AWARDED, BY DEPARTMENT¹

Department	Bachelor's				Master's				Doctoral			
	1978	1979	1980	1981	1978	1979	1980	1981	1978	1979	1980	1981
American St.	--	1	0	0	--	--	--	1	9	4	5	8
Anthropology	47	36	33	27	15	16	9	12	4	4	6	4
Art ²	7	5	8	6	--	--	--	--	--	--	--	--
Biology	89	109	74	77	15	15	12	7	4	4	10	6
Chemistry	26	18	19	11	10	6	9	11	9	10	--	9
Comm. Disorders	16	12	12	13	17	20	16	14	--	--	--	--
Comp. Lit.	--	1	1	1	2	2	0	3	--	--	--	--
Economics	50	32	40	45	5	4	3	6	2	2	3	3
Econ.-Phil.	0	0	0	0	--	--	--	--	--	--	--	--
English	50	46	44	28	12	7	5	3	4	3	5	2
English-Phil.	3	3	4	2	--	--	--	--	--	--	--	--
Geography	12	3	6	6	2	2	0	2	--	--	--	--
Geology	15	21	23	17	13	12	10	14	1	0	9	3
History	46	44	51	31	3	5	11	3	6	9	4	4
Home Economics ²	1	4	4	0	--	--	--	--	--	--	--	--
Ibero-Amer. St. ³	--	--	--	--	--	--	--	--	0	2	1	0
Journalism	30	23	30	22	--	--	--	--	--	--	--	--
Linguistics	0	1	0	1	0	2	1	5	--	--	--	--
Lat. Amer. St.	2	5	9	6	9	3	6	5	--	--	--	--
Math & Stat.	20	15	20	14	7	4	5	7	6	1	3	7
M&CL	35	19	33	30	5	10	4	2	6	6	3	10
Philosophy	3	3	3	5	11	3	2	0	1	1	1	0
Physics & Astr.	10	7	9	7	6	6	5	6	8	3	0	5
Pol. Science	58	56	65	34	6	1	4	1	1	0	2	0
Psychology	82	75	91	72	14	10	8	5	7	6	6	12
Religious St.	--	0	0	1	--	--	--	--	--	--	--	--
Russian St.	1	0	1	1	--	--	--	--	--	--	--	--
Sociology	15	22	21	21	3	2	0	0	0	0	0	0
Speech Comm.	20	16	24	22	13	13	11	14	--	--	--	--
TOTAL	639	577	627 ⁴	500 ⁴	169	147	123	121	68	55	58	73

¹Includes summer, fall and spring graduates.

²Not departments of the College of Arts and Sciences, but major or minor is allowed.

³Interdisciplinary program at the doctoral level.

⁴Degrees granted with double majors are counted once in each major department, so this total will not agree with Table 9.

TABLE 11

ACADEMIC PROBATIONS, SUSPENSIONS, AND RELEASES
COLLEGE OF ARTS AND SCIENCES

	<u>1976-1977</u>		<u>1977-1978</u>		<u>1978-1979</u>		<u>1979-1980</u>		<u>1980-1981</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Semester I:										
On Probation	81	3.0	262	10.1	258	10.8	216	9.5	186	8.9
Suspended	38	1.4	59	2.3	46	1.9	106	4.7	77	3.7
Released	74	2.8	52	2.0	48	2.0	40	1.8	30	1.4
Semester II:										
On Probation	78	2.9	209	8.0	207	8.9	335	15.9	191	8.1
Suspended	46	1.7	64	2.5	51	2.2	107	4.9	112	4.8
Released	71	2.6	58	2.2	57	2.5	61	2.6	64	2.7

Number of Students Enrolled in Arts and Sciences:

Semester I, 1980-81	2,099
Semester II, 1980-81	2,350

TABLE 12

DEAN'S LIST, COLLEGE OF ARTS AND SCIENCES
NUMBER OF STUDENTS WITH GPA OF 3.00 AND ABOVE
FOR WORK OF 15 HOURS OR MORE TAKEN IN THE SEMESTER WITH GRADE

Grade Point Average	<u>1977-1978</u>				<u>1978-1979</u>			
	<u>Sem. I</u>		<u>Sem. II</u>		<u>Sem. I</u>		<u>Sem. II</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
4.00	41	1.6	38	1.5	47	2.0	41	1.8
3.50-3.99	131	5.1	129	5.0	118	4.9	131	5.6
3.00-3.49	189	7.3	204	7.8	160	6.7	194	8.4
TOTAL	361	14.0	371	14.3	325	13.6	366	15.8
	<u>1979-1980</u>				<u>1980-1981</u>			
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
4.00	43	1.9	38	1.7	48	2.3	44	1.9
3.50-3.99	109	4.8	118	5.4	103	4.9	130	5.5
3.00-3.49	172	7.6	147	6.7	152	7.2	192	8.2
TOTAL	324	14.3	303	13.7	303	14.4	366	15.6

NOTE: % represents the percentage of the total Arts and Sciences enrollment for the semester indicated.

TABLE 13
DEGREES GRANTED WITH HONORS*

Honors in General Studies

Summa Cum Laude	1
Magna Cum Laude	8
Cum Laude	16

Departmental Honors

Biology	1
Chemistry	2
English	1
Economics	1
Modern and Classical Languages	1
Physics and Astronomy	1
Political Science	3
Psychology	7

Initiated into Phi Beta Kappa 19

Initiated to Phi Kappa Phi 11

*Requirements completed Semester II, 1979-80; Summer 1980; Semester I, 1980-81.

TABLE 14

NEW RESEARCH AND TRAINING GRANTS, 1980-81

<u>Department</u>	<u>Dollars</u>	<u>Number of Faculty</u>	<u>Number of Grants</u>
Anthropology	181,281	9	15
Biology	946,078	15	35
Chemistry	239,704	5	6
Communicative Disorders	88,763	2	3
Economics	83,501	3	4
English	16,540	2	4
Geography	37,048	1	1
Geology	643,507	11	26
History	129,915	6	6
Linguistics	26,600	1	2
Mathematics and Statistics	342,685	8	10
Physics and Astronomy	1,035,653	11	13
Psychology	315,625	5	5
Sociology	78,031	1	1
Speech Communication	20,000	1	1
Contract Archaeology	336,370		30
TOTAL	4,521,301	81	162

TABLE 15

BUDGETED GAS/TAs, RESEARCH AND
PROJECT ASSISTANTS AND TRAINING GRANTEES

<u>Department</u>	<u>GAS & TAs</u>	<u>RAs, PAs, & Trainees</u>
American Studies	0.50	--
Anthropology	3.50	0.50
Biology	20.27	6.00
Chemistry	14.50	6.50
Communicative Disorders	1.00	--
Economics	3.00	3.50
English	23.00	--
Geography	1.50	--
Geology	6.00	6.00
History	8.00	--
Journalism	--	--
Linguistics	0.50	--
Mathematics & Statistics	11.00	1.00
Modern & Classical Languages	16.50	--
Philosophy	2.50	--
Physics & Astronomy	9.50	3.00
Political Science	2.00	--
Psychology	6.50	3.00
Sociology	2.00	--
Speech Communication	1.50	0.50
Latin American Institute	1.00	--
Meteoritics	0.50	1.50
TOTAL	134.77	31.50

TABLE 16
SUMMER SESSION DATA, 1980 AND 1981

<u>Department</u>	<u>Final 1980 Figures</u>		<u>Final 1981 Figures</u>	
	<u>Allocation</u>	<u>%</u>	<u>Allocation</u>	<u>%</u>
American Studies	\$ 6,033	1.40	\$ 5,636	1.16
Anthropology	16,131	3.73	21,690	4.46
Biology	32,989	7.63	33,746	6.95
Chemistry	25,496	5.90	26,657	5.49
Communicative Disorders	3,659	0.85	4,390	0.90
Economics	18,983	4.39	21,178	4.36
English	52,453	12.13	64,565	13.29
Geography	9,243	2.14	11,166	2.30
Geology	9,826	2.27	8,311	1.71
History	24,930	5.77	27,855	5.73
Journalism	6,738	1.56	7,611	1.57
Linguistics	15,522*	3.59	10,356	2.13
Mathematics & Statistics	47,690	11.03	60,216	12.39
Modern & Classical Languages	71,957	16.65	75,315	15.50
Philosophy	5,791	1.34	5,823	1.20
Physics & Astronomy	13,409	3.10	14,257	2.93
Political Science	13,202	3.05	13,724	2.82
Psychology	16,396	3.79	17,901	3.68
Sociology	14,258	3.30	17,117	3.52
Speech Communication	12,654	2.93	14,008	2.88
IAA (ICLAS)	150	0.03	--	--
Foreign Programs	7,200	1.67	14,900	3.07
Research Stipends	7,000	1.62	4,200	0.86
Contingency	589	0.14	5,478	1.07
TOTAL	\$432,299	100.00	\$485,830	100.00

*Unusual figure due to 1980 Linguistics Institute.

TABLE 17

A&S TRAVEL DISBURSEMENTS

Department	Paper Presentation		Officer Participation		Miscellaneous Attendance	
	No. of	Amount	No. of	Amount	No. of	Amount
	Trips		Trips		Trips	
American St.	2	\$ 572.25	--	\$ --	--	\$ --
Anthropology	6	1,550.04	1	164.40	1	232.52
Biology	15	3,227.57	--	--	2	477.63
Chemistry	6	1,651.90	--	--	1	111.60
Comm. Disorders	3	900.25	--	--	--	--
Economics	4	1,007.95	1	74.40	--	--
English	6	1,437.96	2	509.25	1	290.30
Geography	2	484.70	--	--	1	256.80
Geology	4	1,183.20	--	--	--	--
History	9	2,062.83	--	--	5	1,257.10
Journalism	--	--	--	--	2	161.42
Linguistics	2	168.14	--	--	1	111.00
Math & Stat.	7	1,772.00	--	--	5	1,486.35
M&CL	8	1,368.48	3	594.60	4	584.20
Philosophy	4	1,482.06	--	--	1	210.00
Physics & Astr.	6	1,641.40	--	--	3	474.60
Pol. Science	4	1,050.90	--	--	4	1,093.96
Psychology	11	2,726.08	2	490.20	1	331.99
Sociology	4	1,084.30	--	--	2	757.50
Speech Comm.	9	2,664.26	--	--	--	--
TOTAL	112	\$28,036.27	9	\$1,832.85	34	\$7,836.97

The Report of the Department of American Studies
July 1, 1980 - June 30, 1981
Sam B. Girgus, Chair

This year a series of innovative, new courses designed to enhance the American Studies program were taught by leading scholars with funds made available through Chair, Sam Girgus', Rockefeller Humanities Fellowship.

Dr. Frederick Turner, 81-82 Guggenheim Fellow and author of Remembering Song, a new book about jazz, and Beyond Geography: The Western Spirit Against the Wilderness, taught the "Folk Roots of Jazz," an upper level course Spring 81. Mini-seminars were given by Gerald Graff, English Department Chair at Northwestern and author of Literature Against Itself on "Literature and Culture," and Dr. Carroll Smith-Rosenberg, Professor of History and Psychiatry at the University of Pennsylvania, on "Sex and Symbol in Victorian America." Both seminars were offered in the Spring. Dr. Graff's course was for graduate students and Dr. Smith-Rosenberg taught graduate and undergraduate students. Judith Chazin-Bennahum formerly of the Metropolitan Opera Ballet and one of the original Joffre Ballet Dancers taught "Dance in America," a concentrated month long course involving both workshop and traditional classroom techniques illustrating the evolution of modern dance and ballet in 20th century America.

These offerings in the performing arts, literature and history were initiated to give students the opportunity to get a broader picture of American culture and to acquire new and interesting insights into the modern American experience.

Lillian Schlissel, Director of the American Studies Program

at Brooklyn College, CUNY and author of Women's Diaries of the Westward Journey, arrived in June to teach a graduate/under-graduate course entitled "Pioneer Women."

During the Spring, the American Studies Department hosted an informal discussion with well-known writer and Catch-22 author, Joseph Heller. The department also co-sponsored with the Sociology Department a talk by Peter Marin on "The Gentrification of Literature."

In April 1981, American Studies hosted a visit of the European Regional Group in American Studies, a State Department sponsored group of 7 scholars from Austria, Belgium, Czechoslovakia, Hungary, Sweden and West Germany.

In addition to teaching duties, the core faculty of American Studies continue their production of publication and activities in the following pages.

Assistant Professor Helen M. Bannan continues to be active in Regional and Women Studies as well as publication, teaching and service,

She did research at the National Anthropological Archives at the Smithsonian in Washington, D.C., The American Philosophical Society in Philadelphia, Pa., and Vassar College in Poughkeepsie, N.Y. on a College of Arts & Sciences grant for an article on women anthropologists in the Southwest.

Her published manuscript, co-edited with Suzann M. Owing, Southwest Images and Trends: Factors in Community Development included essays by several American Studies faculty, graduates and graduate students: Charles Biebel, William Baurecht,

Nancy Greenman, Rina Swentzell, Kyle Fiore, Nancy Theriot, Ed Mahoney, John Rothfork, Peter Hartley, and Harriet Bloom-Wilson.

Helen also had five entries in American Women Writers from Colonial Times to the Present: A Critical Reference Guide co-edited by Lina Maniero and Langdon Faust and published by the Frederick Ungar Company.

In addition, Helen attended the National Collegiate Honors Council in Forth Worth, Texas in October and in March spoke on a keynote panel on regionalism at the Joint Convention of the American Popular Culture Association and American Culture Association in Cincinnati, Ohio. She is still president of the Rocky Mountain American Studies Association.

"The Indian in American Popular Culture" which Helen developed for the Fall 1980 semester featured six films made possible by a grant she received from the Greater UNM Fund. Helen was recognized as an outstanding teacher for her Fall 81 courses "American Life and Thought," and "Classics of Feminism" when she was included on the ICES list based on student course evaluations. She was among the top 10% rated "excellent."

Professor Bannan recently resigned her American Studies position in order to accept reassignment to a staff position as advisor and teacher in Honors and Women's Studies.

Charles D. Biebel was promoted to Associate Professor and served as American Studies Acting Chair during the Spring and Summer semesters.

His paper "Erziehungs und Kulturpolitik Gegen Ende Der Besatzung, James B. Conant in Deutschland, 1953-1957," will appear in Bildungspolitik der vier Besatzungsmachte in Deutschland now in press and edited by Wilhelm Roessler and Manfred Heineman.

In October of 1980, Professor Biebel presented a paper "American Educational Policy in Occupied Germany, 1949-1955" to the American History of Education Society which took place in Portland, Oregon.

In the Spring, Charles completed two research papers "Suburban Growth of Albuquerque New Mexico 1900-1940" and "Depressions and Dollars: The Impact of the Federal Government on Albuquerque New Mexico 1930-1940" for the five volume History of Albuquerque Research Series sponsored by the Museum of Albuquerque.

He was the exhibit consultant for the Museum of Albuquerque's "From Generation to Generation: Folkculture in Albuquerque," in February 1981 and served as editorial consultant for Early Albuquerque: A Photographic History 1870-1918, a joint publication of the Albuquerque Journal and the Museum of Albuquerque. Charles also served as the New Mexico Coordinator for the American Studies Association sponsored Project for American Studies in the Secondary Schools, Fall 1980.

Professor Sam B. Girgus continues to chair the department of American Studies and serve as graduate advisor. He was on leave for the Spring and Summer semesters in order to pursue work on his book The New Covenant: The Jews and the Myth of America through the award of an 80-81 Rockefeller Foundation Humanities Fellowship.

The American Self: Myth, Ideology and Popular Culture edited by Professor Girgus was published by the UNM Press in January. The American Self is a collection of essays that demonstrate the development of both American culture and the academic endeavor known as American Studies. The contributors include distinguished older scholars as well as young professors and students whose interests reflect the interests of the 1960's and 1970's. The collection shows the growth of American Studies into a diversity of approaches, methodologies and concerns, but it also reveals that myth and ideology, as well as popular culture, are still the favorite approaches to understanding American culture and character.

In the fourth year of his joint appointment in American Studies and English, Professor Hamlin Hill continues to give doctoral students in this department valuable assistance. Professor Hill also chairs the department of English. Summer 81, Professor Hill was the director, NEH Summer

Seminar for College Teachers; he received an appointment to the editorial board, Bulletin of the RMMLA as well as a nomination to the editorial board of American Literature 82-85.

Joel M. Jones continues his interest and service to American Studies as well as attending to his considerable administrative responsibilities as Associate Provost for Academic Affairs. Joel also received promotion to full professor this year. His essay entitled "American Studies: The Myth of Methodology" was published in The American Self: Myth, Ideology and Popular Culture, Sam B. Girgus, ed. Joel also serves as Executive Coordinator for the United Way.

Vera Norwood, Assistant to the Provost, teaches one course per semester for the department of American Studies. Vera took time out during the Spring 81 session to work on important new curriculum development of lower level American Studies introductory courses 185 "American Life and Thought I," and 186 "American Life and Thought II."

Departmental decisions were given assistance by the American Studies Faculty Committee. Members are: George Arms (Emeritus), Ernest Baughman, Sanford Cohen, Robert Fleming, Douglas George, Hamlin Hill, Ira Jaffe, Joel Jones, Howard Rabinowitz, Harold Rhodes, M. Jane Slaughter, Anne Taylor, M. Marta Weigle, Peter White and Peter Lupsha.

Nine graduate students completed work in the 1980-81 year. The students, their dissertation topics, and dissertation directors are listed below:

Lawrence J. Burke	MODERN RELIGIOUS SECULARITY AND THE MEANING OF AMERICA Sam B. Girgus
A. Maurice Chamberlin	THE CHRISTIAN CLERGYMAN IN 20TH CENTURY AMERICAN NOVELS Hamlin Hill
Donald C. Cole	AN ETHNOHISTORY OF THE CHIRICAHUA APACHE INDIAN RESERVATION 1872-1876 Richard Ellis
Darwin Marable	SURREALISM AND AMERICAN PHOTOGRAPHY Thomas Barrow
Edward Nash	NEW FACES OF ISLETA CATHOLICS Patrick McNamara
Alan H. Pope	THE LOGIC OF PETRUS RAMUS IN THE WRITINGS OF MICHAEL WIGGLESWORTH Peter White
Sheila Schreiber	ART & LIFE: THE NOVELS OF BLACK WOMEN Robert Fleming
Joseph E. Weiss	SUNBELT MIGRATION AND ITS EFFECT UPON GROWTH AND DEVELOPMENT OF A SOUTHWESTERN COMMUNITY -- RIO RANCHO Patrick McNamara

Patricia Jane Hammons became American Studies' first graduate from the Master's program.

From the many applicants who completed the requirements for application and entrance, five were admitted to the

doctoral program and three to the masters program. The department's low resources for financial assistance continue to make it difficult to attract some of the well qualified students who express interest in our programs. Teaching assistantships in the English Department remain the major source of assistance. Many of our students, however, have been successful in finding other sources of aid.

Geary Hobson, newly re-admitted to finish his dissertation, recently received a \$20,000 Rockefeller Fellowship to complete work on a manuscript dealing with the cultural history of the five civilized tribes. Shelley S. Armitage received the UNM Graduate Fellowship for the academic year 1980-81 and Alice D. Kisch received a UNM graduate fellowship award for the 1981-82 academic year. Both Kyle McKenzie Fiore and Henrietta Whiteman received Danforth Fellowships.

American Studies graduate students continue their activities in publication. Kyle McKenzie Fiore co-authored Las Mujeres: Conversations from a Hispanic Community with Nan Elsasser and Yvonne Tixier y Vigil. Las Mujeres is an oral history of four generations of New Mexican Hispanic women and is published by The Feminist Press/McGraw-Hill.

Due any day is Jeanne Whitehouse Peterson's While the Moon Shines Bright: A Bedtime Chant from Harper and Row Publishers. Donald C. Cole, a Spring 81

Ph.D. graduate, received the Townsend Whelan Award of \$500 from Digest Books, Inc. for his paper "Firearms in Apache Tribal Use." Nancy Theriot's "A Review of Linda K. Kerber, Women of the Republic: Intellect and Ideology in Revolutionary America (Chapel Hill: University of North Carolina Press, 1980]" was accepted for publication in The Social Science Journal 81-82, and "A Review of Linda K. Kerber, Women of the Republic" will be published in Feminist Review in 1981. Agnesa Lufkin's article "Cleofas Jaramillo and her Queen Anne House," was published in Empire magazine and another article, "A Feudal Domain on the Cimarron: Maxwell's Mansion," was published in Rincones magazine. Carleen Lazell had two articles, "Union County Courthouses (1894-1908)-(1910-Present)" and "The Buffalo Drive of '55" appearing in Union County and Its People for the Union County Historical Society, Clayton, New Mexico.

Also active in conferences, American Studies graduate students presented papers. In October 80, Jeanne Whitehouse spoke at the Southwestern division of the National Council of Teachers of English, Las Vegas, Nevada on "Tragic Moments in Books for Children." She spoke on "The child in the Writers and the Writer in the Child" in November 1980 at the Tulsa, Oklahoma Reading Association general meeting.

Agnesa Lufkin presented her paper "Late Nineteenth Century Houses of Raton" at the March 1981 meeting of the New Mexico Historical Society which took place in El Paso, Texas. Also at the annual meeting of the Historical Society of New Mexico and the Texas State Historical Association, Carleen Lazzell read her commentaries on The Land and People of the Sacramento Mountains Through the Ages by T. Carl H. Wuershing, and A Revisionist Look at Mescalero Agents 1870-1878 by Hana Samek. Carleen also presented a paper "Bernalillo County Courthouse" at the Museum of Albuquerque's Centennial Symposium and spoke at the Association for Preservation Technology in January 1980 on "The Court-houses of New Mexico." David Kammer gave his paper entitled "Sport and Culture through Architectural Criticism" at the North American Society for Sport History Annual Conference in Banff, Canada. A summary appears in NASSH Proceedings, 1980, pp 38-39. Nancy Theriot's paper "A Theoretical View of Motherhood: Lessons from the Past, Visions for the Future" was delivered at the annual meeting of the Colorado Women's Studies Association in Denver, 1981. Kyle Fiore has been invited to speak at the Annual Conference of the Instituto Estudios Cubanos held at Columbia University, New York, in September of 1981. Ms. Fiore will talk on Chicanos in the Southwest.

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In addition to working on his dissertation, William Tydeman served as Acting Director of Special Collections at the Zimmerman Library and is currently Acting Dean, Technical Services, Zimmerman Library, UNM.

Assisted by Professor Charles D. Biebel, New America: A Review, the publication of the American Studies Department, published two new issues, Cuentos Chicanos, editors Rudolfo Anaya and Antonio Marquez, and the "Energy Issue" of New America, Vol. 4, No. 2. Except for finishing touches, work has been completed on the upcoming New America: Women Artists and Writers of the Southwest; and the latest project, New America: The Child in Contemporary America, is underway.

New America received grants from the National Endowment for the Arts, the Coordinating Council of Literary Magazines, and the Graduate Student Association totalling \$7,030.

The New America: Energy Issue received 5 reviews and Cuentos Chicanos received seven reviews this year. Additionally, three stories from Cuentos Chicanos were reprinted in Revista Rio Bravo, Winter Issue 1981.

The Report of the Department of Anthropology

July 1, 1980 - June 30, 1981

Jeremy A. Sabloff, Chairman

I. General Departmental Information

A. Significant Achievements During the Academic Year, 1980-81

The academic year 1980-81 was a productive time for the Department of Anthropology. Dr. Lawrence Straus, a very promising scholar, received tenure and was promoted to Associate Professor, while two other deserving members of the Department, Dr. Larry Gorbet and Dr. Jeffrey Froehlich also were promoted to Associate Professor. In addition, Dr. Mari Lyn Salvador and Dr. Robert Santley had their contracts renewed for another three years. In all five of these cases, the Department acted with complete unanimity.

Another important development for the Department was the long-awaited authorization of the renovation of the Anthropology Annex. With the much appreciated support of Mr. John Perovich, funds for the renovation were authorized and an architect has been selected. Work on the renovation, which will provide solely needed office and laboratory space for the Office of Contract Archaeology, laboratory and storage space for the summer field school, and laboratory, teaching, and office space for archaeology graduate students and faculty, will hopefully begin by the end of August and will be completed next year.

The 1980 summer field school in archaeology, directed by Dr.

Linda Cordell, had a very successful season at Rowe Ruin near Pecos, New Mexico. The field school continues to be an excellent training experience for undergraduate and graduate students alike.

1980-81 also was a successful year for the Department in obtaining outside grants. I believe that the Department needs to do more in this regard, as my predecessor Dr. Bock has previously pointed out, and I was pleased that the number of proposals made increased during the past year and that our success rate was relatively high with granting agencies such as NSF, NEH, and Ford-Rockefeller. Moreover, both Dr. Jerry Brody and Dr. Linda Cordell received prestigious Weatherhead Fellowships from the School of American Research (Brody for 1980-81, Cordell for 1981-82) as did one of our graduate students, Peter Whitely (for 1981-82) (also see Section E). It should also be noted that the NSF grants which were received by Drs. Peter Harrison and Lawrence Straus are providing important field work opportunities for our graduate students in Belize and France, respectively.

Our graduate program as a whole continued to function well (see Table 1, for particulars). It is now the largest program in the College of Arts and Sciences according to recent statistics. An important segment of the Department's teaching energies are devoted to this program although it doesn't produce large credit hour figures as big enrollment lower-division courses do. In recent years, both the M.A. and Ph.D. programs have been revised and rules clarified to the benefit of both students and faculty. A major problem which remains is the lack of adequate funds for attracting the best students to our program here at UNM. Although we get very good applications (particularly in archaeology), some of the best

students go elsewhere because we are unable to fund them here.

On another front, 1980-81 was a highly productive one in terms of the number of important books, articles, and lectures given by the faculty' (see Part II). We also were fortunate to have a number of stimulating lectures and colloquia given by our own students and faculty as well as a series of visitors (see Table 2).

Finally, our visiting professor line, to which the Provost and Dean have foresightedly remained committed, enabled the Department to avail itself of the talents of several of our adjunct faculty, as well as several senior graduate students, for teaching purposes. Hopefully, we will be able to use this line in a similar manner in coming years.

GRADUATE PROGRAM INFORMATION
1980-81

Registration Data

	<u>Registration</u>	<u>Female</u>	<u>Male</u>
Fall 1980	90	40	50
Spring 1981	101	52	49

Degrees Awarded

	<u>Ethnology</u>	<u>Archaeology</u>	<u>Linguistics</u>	<u>Biological</u>
Fall 1980	2 MA	1 MA 1 PhD		
Spring 1981	2 MA 2 PhD	3 MA 1 PhD		

Graduate Students in each Sub-Discipline

<u>Ethnology</u>	<u>Archaeology</u>	<u>Linguistics</u>	<u>Biological</u>
34	54	2	11

Applicants

	<u>Applicants</u>	<u>Accepted by Us</u>	<u>Enrolled</u>
Fall 1980	112	56	20
Spring 1981	18	10	10

Financial Aid:

Graduate Assistantships: 3 Full, 8 Half
 Work Study: 6
 NSF Fellowship: 1
 Ford Foundation: 1
 OCA or Chaco: 8 Full, 1 Half
 HEW Grant: 1
 Bryon Harvey Fellowship: 1
 Freida Butler Fellowship: 1
 Steven Hamann Fellowship: 1

Table 2

Anthropology, Colloquia, Guest Lectures, and Harvey Lectures
1980-81

Colloquia

Dr. Robert Santley	Teotihuacan and Economic Imperialism
Dr. Mari Lyn Salvador	Reciprocity, Aesthetics, and Ritual in the Azores
Dr. Lawrence G. Straus	The Late Pleistocene Prehistory of Southwest Europe: A Personal Perspective
Ms. Lynn Hathaway (Phillips)	The Contribution of Constitutional Variables to a Child's Experiences of Socialization and Learning Pressures
Dr. Jeffery Froehlich	The Demographic Structure of Howling Monkeys: Implications for Evolutionary Socio-Ecology
Ms. Patricia Gilman	Changing Architecture Forms in the Prehistoric Southwest
Mr. Peter Whitely	Cultural Change and Development at Bacavi, A Hopi Village in Northeastern Arizona
Mr. Robert Hard	Tarahumara Ethnoarchaeology
Dr. Curtiss Brennan	Origins of Urbanism and the State on the Peruvian North Coast
Dr. Kirk Endicott & Dr. Karen L. Endicott	Batek Negritos: Hunter-Gatherers and Their Economy
Mr. Peter Whitely	Proposal to Research Cultural Change at Bacavi, A Hopi Village in Northeastern Arizona
Dr. Carol Sullivan	Case Study of Perceptions of Radiation Dangers in a Mining Town
Mr. Steve Leckson	Architecture in Archaeology: A Case Study From Chaco Canyon
Professor Juan Vicente Palerm	Peasant Development and Seasonal Migration - Theoretical Components
Dr. Joan Koss	The Therapist-Spiritualist Training Program in Puerto Rico
Dr. Richard Clemmer	Bands or Families? A Re-examination of Julian Steward's 'Family Level' of Sociocultural Integration

- | | |
|-----------------------|---|
| Dr. William P. Murphy | Acts of Implication: The Logic of Implied
Meaning in Kpelle Proverb Metaphors of Deception |
| Ms. Beth O'Leary | Salmon and Storage: A Look at an 'Abundant'
Resource |
| Dr. Birute Galdikas | Orangutan Social Organization and Ecology |

Special Harvey Lectures

- | | |
|----------------------|---|
| Dr. Cyrus H. Gordon | Archaeological Discoveries at Ebla |
| Dr. Laurence D. Loeb | Reconsidering Arid Zone Nomadic Alternatives:
The Unusual Case of the Habbani Jews of South
Yemen |
| Dr. Michael Pitts | Recoding Stonehenge |

Harvey Lecturers

- | | |
|--|--|
| Dr. Nicholas G. Blurton Jones
(Fall 1980) | Child Development and Anthropology: Different
Approaches to the Same Question? |
| Dr. Robert C. Dunnell
(Spring 1981) | Science, Social Science and Common Sense: The
Agonizing Dilemma of Modern Archaeology |

Report of The Office of Contract Archeology

July 1, 1980 - June 30, 1981

Joseph C. Winter, Director

I. Introduction

The Office of Contract Archeology has nearly completed a major period of transition in terms of staff, goals, methods, and facilities. This transition, which began in 1979 when both a new Director and a new building were added, should end during the coming 1981/1982 year, when a new Assistant Director is added and the current office building is renovated. Changes which have occurred in the past year include the hiring of a new secretary, the resignation of the Assistant Director, the purchasing of a vehicle, and major changes in emphasis on research and methods. These are discussed in the following sections.

II. Review of Activities

During the past year the O.C.A. completed 30 projects and is currently involved in 11. Major completed projects include the UII Mitigation Project publication, the Las Cruces Bureau of Land Management Overview, the Sevilleta Excavation Report, the Salt River Project Overview and 10% survey of 22,000 acres, and the Carbon Coal, Continental Oil, FAA, and Kerr McGee surveys of 2240, 2040, 1700, and 1400 acres, respectively. Major ongoing projects include the Baca Geothermal Mitigation Project Report, which is at the printers, the Pittsburg-Midway Mitigation Project Report, of which the final report is being prepared, the Bernalillo Excavation Report, which is being prepared, the Chevron Test Excavation Project Report, which is

being prepared, the final report of the MAPCO survey, which is being prepared, and the Carbon Coal Test Excavation Project, which is in the laboratory. The one major future mitigation project which appears imminent is the excavation of 142 sites on the UII lease. Unfortunately, the Public Service Company has postponed indefinitely the Seboyeta Mesa Mitigation Program, which involves the excavation of some 200 sites. The attached list describes all projects.

III. New Directions

A number of new directions were implemented in the past year, and several more are planned:

1. New Mexico Wide and Out-of-State Projects - The O.C.A. completed one small survey in Colorado, and the field work on a 5700 acre survey in Colorado has been completed. We are now on the mailing list of prospective bidders for research in Colorado, and as explained below we will be submitting a grant proposal in the fall for research at Hovenweep, in Colorado. We have also expanded our research in New Mexico, with the FAA survey near Las Cruces and the Truth or Consequences Overview. Finally, the MAPCO survey covered parts of Texas, New Mexico and Colorado.
2. Albuquerque Area Archeology - A number of surveys and one excavation took place over the past year in the Isleta-Albuquerque-Bernalillo area. Also, the Director's classes deal with local research (see below).
3. Class Work and Graduate Committees - The Director taught an upper division class on local historic preservation in the spring of 1981. Thirteen anthropology, history, regional planning, architecture and other graduate/undergraduate students were enrolled. The State Historic

Preservation Office and the U. S. Department of Interior's Heritage, Conservation and Recreation Service were involved as well in the class through a Memorandum of Agreement. The resulting manuscript, which analyzed local Pueblo/Spanish relations and sites, will be edited over the summer. The Albuquerque Museum, among others, has shown an interest in the possible publication of the volume.

The Director is planning to teach a local field technique class next spring, and the new Assistant Director hopes to teach one course a year as well. The Director is now serving on three anthropology and one regional planning graduate student committees.

4. Research Grants - The Sevilleta Shelter Excavation Report was funded by a small privately funded research grant. Preliminary negotiations are now underway to continue this research. Also, the Director is planning to develop a research proposal this fall to continue his NSF-funded research at Hovenweep National Monument in Colorado

5. Outside Professional Activities - Over the past year the Director served as chairman of a School of American Research Advanced Seminar, and as Southwestern editor of the new Contract Abstracts journal. He is also editing the SAR manuscript for publication, and is editing a special volume of Contract Abstracts which will deal with Four Corners Archeology. He published one paper in a book this past year, and presented papers at two professional meetings. The former Assistant Director presented a paper at one professional meeting, and served as Vice President of the statewide professional organization.

IV. Appointments and Separations

Maria Valerio resigned as the O.C.A. secretary on 9/1/80, while Beverly Satterfield was hired as our secretary on 8/4/80. Dr. Mark Harlan resigned as Assistant Director on 5/19/81. He will be replaced by Dr. Ben Nelson on 7/1/81.

Summary of O.C.A. Activities7/1/80-6/30/81

<u>Project</u>	<u>Sponsor</u>	<u>Brief Description</u>	<u>Status</u>
185-61b	Amiran Co.	Survey of 160 acres	Completed
185-59d	Minopco	Survey of 2/16 sect.	Completed
185-59c	NM Engineering Research Institute	Survey of .5 acres	Completed
185-59b	City of Bernalillo	Survey of 1 mile	Completed
185-80	Carbon Coal	Survey of 2240 acres	Completed
185-61e	Pathfinder	Survey of 1000' road	Completed
185-74	FAA	Survey of 1700 acre airport	Completed
185-78	Geothermal Services	Survey of 1 drill pad	Completed
185-33j	PNM	Survey of Baca Transmission Line	Completed
185-64c	ESCA TECH	Survey of 640 acres	Completed
185-67a	Salt River Project	10% Survey/overview of 22,000 acres	Completed
185-63	Pathfinder Mines.	Survey of 2240 acres	Completed
185-62	Continental Phone	Survey of ½ mile phone line	Completed
185-53	Pathfinder Mines	Survey of 640 acres	Completed
185-38c	Cotter Corp.	Survey of 1 drill pad	Completed
185-58	Timberman Co.	Monitoring of 1 site	Completed
185-33i	PNM	Survey of 33 acres	Completed
185-14a	Bureau of Land Management	Cultural Resource Inventory, Las Cruces District	Completed
185-57a	Campbell Family Foundation	Excavation of 1 site	Completed
185-56	Continental Oil	Survey of 2040 acres	Completed
185-21a	Utah International, Inc.	Archeological/Ethnographic Mitigation Program near Farmington	Completed
185-52a	Kerr McGee Nuclear Corp.	Survey of 1400 acres	Completed
185-59e	Pittsburgh-Midway	Survey of 800 acres	Completed
185-83	CCIC	Survey of 150 acres	Completed
185-85	Quivira Center	Survey of 8 drill pads	Completed
185-86	Salt River Project	Survey of 48 drill pads	Completed

<u>Project</u>	<u>Sponsor</u>	<u>Brief Description</u>	<u>Status</u>
185-59f	Kerr McGee	Survey of 9312' line	Completed
185-96	Chevron	Survey of 691' pipeline	Completed
185-33j	PNM	Survey of 180 acres	Completed
185-33k	PNM	Survey of 400 acres	Completed
185-100	Pathfinder	Survey of 2 drill pads	Completed
185-79	Sverdrup Co.	Overview/Survey of Crown Point Sewer System	Final Report in Preparation
185-88	Chevron	Text Excavation of 6 sites	Final Report in Preparation
185-91	Carbon Coal	Test Excavation of 2 sites	Draft Report in Preparation
185-93	Army Corps of Engineers	Overview near Truth or Consequences	Final Report in Preparation
185-44	Union Oil Geothermal	Archeological/Ethnographic Mitigation Project in Baca #1	Final Report in press.
185-28a	Pittsburgh and Midway Co.	Archeological/Ethnographic Mitigation Program near Gallup	Final Report in Preparation
185-58a	Timberman Corp.	Excavation of 1 site	Final Report in Preparation
185-71	Woodward-Clyde	Monitoring of MAPCO Pipeline	Final Report in Preparation
185-49b	PNM	Archeological Mitigation Program for 200 sites on Seboyeta Mesa	Contract signed, field work to begin in '82 *
185-94	UII	Mitigation Program for 142 sites	Proposal under consideration
185-98	Chevron	Survey of 9.8 mile pipeline	Survey in Progress

NOTES:

- * - 185-14a - Original contract completed; UNM Press considering publishing the overview
- * - 185-49b - Postponed indefinitely.

The Report of the Division of Cultural Research

July 1, 1980 - June 30, 1981

W. James Judge, Chief

The Chaco Center, a National Park Service supported research facility working in cooperation with the University of New Mexico, began the year with five permanent employees and ten temporary employees who continued laboratory analyses and syntheses of material obtained during previous years' excavations.

Research conducted by the Division of Cultural Research (Chaco Center), in conjunction with investigations by other scholars, has expanded considerably our knowledge of the size and complexity of the Chacoan culture. Discovery of over 100 km of prehistoric roadways linking some 70 outlying Chacoan sites dispersed throughout the San Juan Basin indicated that some form of long-term preservation of the sites was imperative if a more complete understanding of the culture was to be achieved. This was particularly true in light of the current development of many energy-rich deposits of coal, gas, oil and uranium in the Basin. In order to preserve a representative sample of the Chaco culture and to further the understanding of its complexity, Public Law 96-550 was enacted on December 19, 1980. Among things relevant to Division activities, this law provides for the continuation of research and data-gathering activities on the Chaco culture by the Division, and the continued development and refinement of a computerized cultural resource data base in the San Juan Basin. One staff member has already been assigned to assist in carrying out the Task Directive designed to implement this legislation.

The Division continued to move toward the completion of the Chaco Project. While two brief field studies directed toward an understanding of prehistoric use surfaces and water control features were undertaken in cooperation with soils experts from the U.S.G.S. and private hydrologists, emphasis was on the analysis of materials collected during prior fieldwork. Detailed analyses of ceramics, lithics, ground stone, ornaments, floral and faunal remains, and environmental and architectural data were continued, and are now in various stages of completion. An additional volume in the "Reports of the Chaco Center" series was published, and two volumes in the NPS Archaeological Series are in press. Five additional articles have been published in professional journals, and several preliminary reports have been added to the Division Library. Two symposia covering numerous aspects of these studies were presented at the Annual Meeting of the Society for American Archaeology.

In conjunction with the San Juan Basin computerized data base (SJBRUS), a separate cultural resource data base management system is being developed for the Chaco area. Computerized archaeological site data, based on the SJBRUS files, are now available for Chaco Canyon. During the past year, environmental data (soils and vegetation) were digitized for use on the computer. Additional cultural and environmental data are now being collected and digitized. Graphic display and textual reports are either now available or are being developed for the system.

The Center continues to cooperate with the teaching and research programs of various faculty, staff, and students. Cooperative programs

with the University of New Mexico Departments of Anthropology, Biology, Education, Geology, Photo Services, Office of Contract Archaeology and Technical Applications Center continued. A cooperative education program graduate student was employed. Dr. Judge and the staff offered both formal and informal training in Southwest archaeology to University students on various aspects of Chacoan and Chaco-related research. Furthermore, Dr. Judge continues to serve as Chairman or member of several M. A. and Ph.D. graduate committees.

Joint programs were also conducted with other National Park Service Divisions, the Interagency Archaeological Committee, the Bureau of Land Management, the Bureau of Indian Affairs, the New Mexico Archaeological Society, and several private research foundations.

The Report of the Maxwell Museum of
Anthropology

July 1, 1980 - June 30, 1981

Mari Lyn Salvador, Acting Director

A. Significant achievements during the academic year 1980-81.

In 1980-81 the museum staff further refined procedures developed over the past three years and took significant steps towards the realization of our goals and objectives as delineated in the Museum Charter. We continued to strengthen our relationship with the Anthropology Dept. and to serve as a resource for teaching and research. "Tijeras Canyon: Analyses of the Past" is a collaborative effort between Dr. Cordell, Dept. of Anthropology, and the museum staff to produce an extremely successful exhibition. It serves as a teaching resource for the University faculty and provides the context for active public programs that bring the results of scholarly research to the general public as well as the university community. The exhibition has been used by University classes and was an important component of the docent guided tour program for the Albuquerque Public Schools.

"Two Gray Hills and Ganado Weaving: 1900 to the Present", an excellent exhibition of Navajo textiles was installed in the public space in May. The exhibition, curated by Marian Rodee, uses textiles from our collection and is based on her research and recent publication, Old Navajo Rugs, Their Development from 1900-1940. A public lecture given by Mrs. Rodee in conjunction with the exhibition opening and the preview of her publication was enthusiastically received by an audience that far exceeded the available space. In a somewhat unique but very productive arrangement, the Maxwell Museum collaborated with the Oakland Museum, Oakland, Calif., to produce an exhibition

on contemporary and historic photographs documenting Portuguese culture in the Azores and in California. The exhibition, funded by a \$76,000 grant from NEH, opened at the Oakland Museum in April, 1981, and then will begin an extensive tour which will include Maxwell Museum in the summer of 1982. The exhibition is based on research and photography directed by Mari Lyn Salvador. The project represents an extraordinary effort on the part of the staff that was beyond their normal duties. Exhibitions of this sort provide an excellent opportunity to fulfill our obligations to the University and to build our reputation, as well as that of the University of New Mexico, as a dynamic teaching facility.

We further refined the installation procedures this year, and the exhibition department completely renovated their preparation space. Formative and summative evaluations done for the Tijeras exhibition provide excellent information that will be integrated into future exhibit planning.

In an effort to further strengthen the relationship with the Dept. of Anthropology the Museum, in conjunction with the department and the Maxwell Museum Assoc., established the Ruth E. Kennedy Memorial Series to honor one outstanding doctoral candidate in anthropology each year. The first lecture was given in April, 1981, by Jill D. Sweet. Mr. Kennedy, the husband of the late Ruth E. Kennedy and an important patron of the museum, attended the inaugural lecture and was entertained by the staff and the Maxwell Museum Assoc. Board of Directors at a dinner given in his honor and held in the museum galleries.

Because of the enthusiastic response to developing programs we have renovated the interior gallery space to include an area for public programs and increased these programs to one per month. These have included lectures by UNM faculty and scholars, demonstrations and musical performances. These

have been an unqualified success with the possible exception that we have only enough room to seat approximately half of the people who appear for the programs. The Maxwell Museum Assoc. lecture series was moved from the auditorium of the Presbyterian Hospital to the public space in the museum thereby bringing an additional audience on to the University campus. The Education Division introduced an archaeology workshop for high school students. The intent was to bring adolescents into the museum and to provide a learning experience beyond the classroom. The program, which supports the APS anthropology curriculum, included floral and faunal analysis, lithic production, ceramic analysis, dendrochronology and excavation. The workshop was facilitated by Anthropology graduate students. Further, the Museum recognized International Museum Day by holding an open house for the general public. Suitcase exhibits were on display, tours of the Tijeras exhibit were available and the public was invited to participate in pottery making and corn grinding. Carding, spinning and weaving were demonstrated, artifact identification was offered and there was a physical anthropology display. The use of our services by APS has increased in the past year. A full capacity group of docents were trained and through their volunteer efforts the museum provided educational services to 14,861 students in the 1980-81 school year compared to 9,475 in the previous year. This year an archaeological suitcase was developed to accompany the Tijeras exhibition.

With a grant from the National Science Foundation, Sophie Collaros was hired as a conservator to repair damaged pottery in the collection in a systematic way. The pottery room was reorganized and the shelves were lined with microfoam padding. Seven volunteers, including 2 students, were trained in pottery conservation and worked throughout the year. As part of the project, Bettina Raphael, an ethnographic conservator, gave a seminar at the museum on conservation for our staff as well as the staff of other

local museums. Miss Raphael also gave a public lecture on the care of Southwestern materials. Both programs were extremely successful.

During the summer of 1980 we trained two Pueblo interns from the All-Indian Pueblo Council to work on cataloging and pottery restoration. Photographing of our collection, an enormous project that was begun over three years ago, was completed this year. We plan to continue photographing new accessions. The conversion of the computer files from a private library to the Computer Center discs and a change in the disc size is well underway.

Research.

Marian Rodee began research with Navajo weavers in preparation for an exhibition in 1984. Mari Lyn Salvador continued research on Portuguese-American culture in California. Paul Minnis worked as a research curator with a grant from NSF. Martin Murphy, anthropology professor from West Chester State T.C., spent several weeks here last summer. Ann Richard worked on Pottery Mound kiva murals for her Master's thesis. Beth Wooley and Arlene Conckle worked on catalog projects. Researchers in the collections totaled 167 (including multiple visits); visitors in the collections, 78.

The most disruptive event of the year for the entire museum was the theft of a beaded Plains Indian vest and a Zuni concho belt from the collections area. The pieces have not been recovered, but an extensive investigation is being carried out by the Campus Police. The theft further reinforces the very urgent need for a secretary who would be responsible for collections area security and helping the collections staff.

The Osteology Lab continued its growth and development. There has been a continuous flow of new material and increased work with the Medical Investigator and general increasing student utilization. The collection continues to grow, particularly that of contemporary human skeletons. Our association with the Office of the Medical Investigator has continued to provide

unparalleled opportunities for sharpening analytical skills and for teaching students the procedures of forensic anthropology. This fiscal year a total of 44 cases were handled. Nine exhibit cases were installed in the Medical School Library. One of these, discerning sex from bones, has become the basis for an exhibit in the hallway of the Anthropology building. Major problem for the osteology lab is inadequacy of the space provided. Space needs will be discussed in the planning section.

In response to requests over the past several years by the Tribal Council of Cochiti Pueblo and with the cooperation of the USAF three monumental stone figures were returned to their original site on the Jim Young Ranch.

A travelling exhibition of Kuna textiles produced by the Maxwell Museum opened in September at the Frederick S. Wight Art Gallery, UCLA, and in June, 1981, at the Museum of Man in San Diego. Planning on the Chaco Canyon exhibition for November, 1982, continued throughout the year. Although Dr. J. J. Brody was on sabbatical leave, he continued on this project and, with the help of Linda Bahm, Asst. Director, wrote an application for implementation funds from the National Endowment for the Humanities.

B. Plans and recommendations for the near future.

We intend to continue to refine our working procedures and work towards the goals and objectives. Our relationship with the University community will be further reinforced. For example, we look forward to working with the Latin-American Institute on programming for the next exhibition, "Fiestas of San Juan." Installation of course-related exhibitions will continue, as will the development of extensive public programming.

The activities of the museum are being greatly hampered by inadequate space. The situation at the osteology lab is desperate. There is simply not

enough space to store the collection. There is neither temperature nor humidity control and the electrical system presents a severe fire hazard. Adequate space, approximately 3,075 sq. feet, is most urgently requested. The need for a new warehouse is critical. We no longer have space for the storage of additional archaeological materials being excavated by the Office of Contract Archaeology and the UNM Field School. The public programs are drawing increasingly larger audiences and the current space is inadequate. An appropriate auditorium and classroom space to accommodate approximately 150 people is needed. There is a clear need for additional exhibition and collections space. Approximately 4500 sq. feet is needed for this area. A proposal to request to raise funds for this area is being prepared for Vice-President Johnson and will contain a full discussion of this project.

C. Outside professional activities.

The staff has actively participate in a variety of professional meetings, seminars and training sessions. This year Dr. Stanley Rhine was program chairman for the anthropology section of the American Academy of Forensic Sciences annual meeting in Los Angeles and contributed the following papers: "The Case of the Missing Bullet...", "The 1980 New Mexico State Penitentiary Riot: Forensic Anthropology Considerations." He also participated in the annual "Medicolegal Investigation of Death" seminar in August and was in charge of the advanced program. Linda Bahm, the Asst. Director of the museum, attended a museum management seminar sponsored by Museums Collaborative and Columbia University Business School and presented a paper analyzing the museum's exhibition problems. Marilyn London and Lea Benshoff attended a training session given by Dr. Michael Charney, Colorado State University, thereby enabling the osteology lab to begin a casting program. Jack Carter, Director

of the Frederick S. Wight Art Gallery, UCLA, and exhibit designer gave a two-day seminar on exhibition design for the museum staff. Marian Rodee chaired a session at the second annual Native American Art Symposium, Tempe, and gave a paper entitled "Development of Navajo Weaving from 1895-1940". Krizstina Kosse attended the annual meeting at the New Mexico Assoc. of Museums in Silver City and participated in a panel discussion on computerization. Ann Skye attended the Alliance of Southwestern Educators meeting in Denver and was elected to the planning committee for the upcoming meeting. Margaret Jumonville attended a seminar at Las Palomas, Taos, on museum education and continues her participation in the Albuquerque docents program.

D. Publications.

Dr. Stanley Rhine, "Thickness of Facial Tissues in American Blacks", Stanley Rhine and Homer R. Campbell, Jr., Journal of Forensic Sciences, V. 25, No. 4, Oct., 1980, pp. 847-858.

Mari Lyn Salvador Festas Acoreanas: Religious Ritual in the Azores in California. Oakland Museum, Oakland.

Marian Rodee, Old Navajo Rugs, Their Development from 1900-1940. UNM Press.

"Spider Woman's Children, New America. Forthcoming.

E. Grants.

J. J. Brody - NSF, Pottery Conservation Special Program - \$24,244.

Ulrick Bay Foundation - \$1,000 - staff travel.

Mari Lyn Salvador - NEH, The Fiestas of San Juan Nuevo - \$90,580.

Marian Rodee - Faculty Research Allocation Committee - Cochineal vs. Aniline Dye Testing - \$1,193.

- National Museum Act - Navajo dye Testing - \$5,000.

Incoming

Donna Klinhenn	2/13/81
Ann Skye	12/1/80
Vince Yannie	4/16/81
Dave Ryan	6/8/81
Krisztina Kosse	11/3/80
Ida Marcotte	6/30/81

Outgoing

Nancy Hockstad	3/22/80
Kathleen Lord	1/23/81
Molly Madden	10/29/80
Peter Wells	12/18/80
Caren Walt	10/29/80
Louise Stiver	10/ 3/80
Natalie Pattison	9/23/80

B. Significant Plans and Recommendations for the Future

1. The space needs of the Department of Anthropology, particularly those of the Maxwell Museum and the Osteology collection, remain pressing. These needs are stressed in the recent "Space Needs for 1981-86" memo prepared for the Dean of the College of Arts and Sciences and are not repeated here. It is to be hoped that some positive actions can be taken in alleviating these important needs.

2. With the recent opening of the Department's Physical Anthropology laboratory and the planned opening of its archaeology laboratories next year, it is recommended that the Department be allowed to share in the science bond money for outfitting the laboratories or that the Department be allocated sufficient educational equipment funds so that needed equipment can be purchased.

3. Among the most significant needs of the Department are the addition of one or more endowed chairs. An initial presentation was made to President Davis this past year, and it is hoped that fundraising for endowed chairs in anthropology will become a major priority of the University's fundraising efforts. It certainly will be one of my top priorities. It is believed that such endowed chairs have the potential to turn an excellent department into a great one.

C. Appointments to Staff

Office Staff:

Carolyn Wackerbarth, Staff Secretary, effective September 15, 1980

(promoted to Clerical Specialist V, effective June 17, 1981)

Emma Mickel, promoted to Office Manager, effective June 8, 1981

D. Separations from Staff

Office Staff:

Alana Drew, Graduate Secretary, effective September 12, 1980

Freddie Heitman, Office Manager, effective June 26, 1981

E. Sponsored Research or Other Projects

<u>Name</u>	<u>Title</u>	<u>Agency</u>	<u>Accepted</u>
Caroline Bledsoe (2 grants)	The Relationship of Fosterage to Child Mortality, Fertility, and Modernization in Sierra Leone	NSF & Ford- Rockefeller	Yes
Philip Bock	Application--fellow at Humanities Center	NEH	No
Jerry Brody	Weatherhead Fellowship, 1980-81	School of Am. Research	Yes
Linda Cordell	Teypama Pueblo Project Weatherhead Fellowship, 1981-82	BLM School of Am. Research	Yes Yes
John Fritz	Vijayanagara: The Urban Plan	National Geo- graphic Society	Pending
Jeffery Froehlich	Mammal, Floral and Cul- tural Survey of Rio Platano Biosphere Reserve in Honduras	New York Zoo- logical Society	Yes
Peter Harrison	The Pulltrouser Swamp Project, Northern Belize: Human Exploitation of a Natural Depression in Prehispanic Maya Lowlands	NSF	Yes
Louise Lamphere	Women's Work and Family Strategies in the Context of "Sunbelt" Industrialization	NSF	Yes
Lawrence Straus	Abri Dufaure: Terminal Pleistocene Hunter- Gatherer Adaptations in Pyrenean France	NSF	Yes
Marta Weigle	Governmental Support for the Arts in New Mexico, 1933-1943	NEH	Yes
Mari Lyn Salvador	Please see the Maxwell Museum portion of the Annual Report for grant proposals submitted by Dr. Salvador and members of her staff		

II. COMPOSITE OF INFORMATION REQUESTED ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

1. Advanced Study

Bock, Philip K. Acting classes, Studio B, Albuquerque, N.M.; visiting scholar, LSA Institute; audited seminar in Shakespeare history plays; studying Italian language.

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc., during the period

Alvarado, Anita L.	Seminar on Chicano Life Cycle. One week as part of Southwest Anthropological Institute, Colorado College, Colorado Springs, CO.
Binford, Lewis R.	On sabbatical Fall, 1980.
Bledsoe, Caroline H.	1978-80 academic year: leave without pay: working for USAID.
Brody, J. J.	Sabbatical from 1 July 1980. Travel: Boston, June: AAM meeting/NY, Chicago: Chaco Ex. Travel: N. Y. in Feb. to consult with American Mus. of Nat. Hist. with regard to Chaco Exhibit, with AFA re. Membres pottery exhibit.
Campbell, John Martin	Field work in Colfax County, New Mexico.
Froehlich, Jeffery W.	Sabbatical during spring term, 1980 -- re-searching and writing several technical papers, and collecting data at natural history museums in Washington, New York, and Cambridge, Massachusetts.
Harpending, Henry	MARC program: summer.
Rhine, J. Stanley	To Laramie, Wyo. (Univ. of Wyo) to confer with forensic colleague.
Salvador, Mari Lyn	Travel - California 2 weeks to work with staff at Oakland Museum of Portuguese exhibition. Mexico, Michoacan, to do field research and documentary photography for exhibition of ceremonial art. Los Angeles for opening of Kuna exhibition at UCLA and lecture on Kuna women's art.
Straus, Lawrence Guy	Research travel in France and Spain, summer 1980.
Weigle, Mary Martha	Sabbatical - spring semester 1980. Travel to Washington, D.C. for research: April-May, July 1980.

3. New scholastic honors, fellowships, etc.

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| Binford, Lewis R. | Hazlett Fellow of the University of Cambridge, Cambridge, England. |
| Bledsoe, Caroline H. | Awarded summer support to attend the 1979 Institute of African Art, Museum of African Art, Washington, D.C. |
| Brody, J. J. | Resident Scholar, School of American Research July 1980 - June 1981, (INEH Fellow). |
| Ortiz, Alfonso | Listing in Who's Who in the World, fifth edition; had been listed in Who's Who in American since 1973; also selected for listing in the Director of Distinguished Americans, 1981 edition. |
| Spuhler, James Norman | Fellow (N), Explorers Club, New York, 1980 - . |
| Weigle, Mary Martha | Application made to NEH for \$15,000 additional and one year's extension on grant noted below (#5) -- informally notified that it has gone through, but only informally. |

4. Publications

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| Alvarado, Anita L. | "The Status of Hispanic Women in Nursing" in M. Melville, ed. <u>Twice A Minority: Mexican American Women</u> . The C. V. Mosby Company, St. Louis, pp. 208-216. |
| Barrett, Richard A. | Review: Belmonte Thomas, <u>The Broken Fountain, in Sociology: Reviews of New Books</u> , Vol. 7, No. 2, Jan/Feb 1980. Review: Blackburn, R. M. and Michael Mann, <u>The Working Class in the Labor Market</u> , in <u>Sociology: Reviews of New Books</u> , Vol. 7, No. 4, May/June 1980. |
| Binford, Lewis R. | "Willow Smoke and Dogs' Tails: Hunter-gatherer Settlement Systems and Archaeological Site Formation." <u>American Antiquity</u> , Vol. 45, No. 1, pp. 4-20. "Review of Reindeer and Caribou Hunters by A. Spiess." <u>American Anthropologist</u> Vol. 82, No. 3, pp. 628-631. "Review of Living Archaeology by R. Gould." <u>American Scientist</u> Vol. 68, No. 6, pp. 704-705. "Le role de l'ethnoarcheologie dans la recherche archeologique." <u>Nouvelles de L'Archeologie</u> , Paris, Vol. 3, No. 4, pp. 31-33. |

Publications (continued)

- Bledsoe, Caroline H. The manipulation of Kpelle social fatherhood. Ethnology 19:29-45. 1980 The Kpelle negotiation of marriage and matrilineal ties (with W. Murphy). (IN) The Versatility of Kinship, Cordell and Beckerman, eds. San Francisco: Academic Press 1980. Women and Marriage in Kpelle Society. Stanford Press 1980. Impact of Liberian rural roads. USAID Project Impact Evaluation Report #6. Washington, D.C. (with R. Cobb et al.)
- Bock, Philip K. Continuities in Psychological Anthropology (W. H. Freeman, 1980, 288 pp). "Tepoztlan Reconsidered," Journal of Latin American Lore (UCLA), Summer issue, 1980 (appx. 20 pp., photos; still in press).
- Brody, J. J. "Mimbres Painted Pottery," New Mexico Craft Vol. 3, No. 2, 1980, Santa Fe, pp. 14-16. "Pueblo Fine Arts," Handbook of No. Amer. Indians, Vol. 9, Smithsonian Inst. 1979:603-8. "Hopi Easel Painting," Kachina - Spirit of the Hopi, Cal. Acad. of Sci., 1980. "Museum Collections Management," ms. for Curator, submitted, accepted. "Turley's Mill, LA 8146," Collected Papers, Arch. Soc. of N.M., #5, 1980: 221-34.
- Campbell, John Martin With Howard C. Higgins, The York Canyon Archaeological Project: 1979, 149 pp. The Kaiser Steel Corporation, Raton, New Mexico (55 copies).
- Chisholm, James S. Development and Adaptation in Infancy, New Directions for Child Development, 8, 1980. Review of T. C. Wiegell's Biopolitics: The Search for a More Human Political Science, Human Ethology Newsletter #29, 1980. (in press) Residence Patterns and the Environment of Mother-Infant Interaction Among the Navajo, in T. Field (ed.) Culture and Early Interactions, Lawrence Erlbaum Assoc.
- Cordell, Linda S. (Editor) Tijeras Canyon: Analyses of the Past, University of New Mexico Press, 200 pp. (With Stephen Beckerman as co-editor), The Versatility of Kinship, Academic Press, NY & London, 390 pp. Prehistory: Eastern Anasazi, pp. 131-151, in The Southwest, Vol. 13, Handbook of North American Indians, Smithsonian Institution, Washington, D.C. Review of Ancient Native Americans, edited by Jesse D. Jennings, American Antiquity 45(1):207-209.

Publications (continued)

- Froehlich, Jeffery W. First occurrence of Homogalax . . . San Juan Basin, New Mexico. J. W. Froehlich and P. K. Reser, 1981, In Advances in San Juan Basin Paleontology, N. M. Press, in press. Fingerprints as phylogenetic markers in the Solomon Islands, J. W. and P. H. Froehlich. In Biomedical Survey of the Solomon Islands, Cambridge Univ. Press, in press (1981?).
- Harpending, Henry Perspectives on the Theory of Social Evolution, in J. Mielke and M. Crawford (eds.) Current Developments in Anthropological Genetics, I, Pelnum. Book reviews.
- Judge, James W. "Minimal Impact Archeology: A Plea for a Formalized Ethic." American Society for Conservation Archeology, Proceedings 1979.
- Ortiz, Alfonso Editor, Volume 9, The Southwest (including prehistory, general history, the Pueblos), Handbook of North American Indians. Washington, Government Printing Office, 1980. Introduction, Vol. 9, HNAI, pp. 1-4, 1980. San Juan Pueblo, Vol. 9, HNAI, pp. 278-295. Tesuque Pueblo (with Sandra Edelman), Vol. 9, HNAI, pp. 310-335. Baca Ranch Geothermal Demonstration Program: A Background Study of Pueblo Indian Religious Freedom, McLean, Virginia: The MITRE Corp., Appendix A, pps. 1-15; Appendix B, pps. 1-4 (1979, but not issued until early 1980). "Conference Overview and Summation," Indian Sovereignty, Proceedings of the Second Annual Conference on Problems and Issues Concerning American Indians Today, in The Newberry Library, Occasional Papers Series, No. 2, pps. 135-60. Chicago: The Newberry Library (1980 issue of 1979 conference). "Kachina," in World Book Encyclopedia, Vol. II, P. 172, 1980. "Pueblo Indians," in World Book Encyclopedia, Vol. 15 pps. 768-69, 1980. "The Pueblo Restoration of 1680," in The Indian Forerunner, September 1979, pp. 2-3; reprinted in Americans Before Columbus, monthly publication of the National Indian Youth Council, Vol. 8, No. 2, p. 4, February 1980; also reprinted in Indian Affairs, Newsletter of the Association on American Indian Affairs, Inc., New York, No. 101, pp. 4-5, Spring/Summer 1980. "America's Obligation to its Indigeneous Cultures" (with Steven Unger) The New York Times, November 5, 1980 (Editorial Page, A-30). Review of Indian Life: Transforming an American Myth, by William W. Savage. In American Indian Culture and Research Journal, Vol. 3, No. 4, pp. 110-112. In Press:

Publications (continued)

- Ortiz (continued) "The Pueblo Revolt of 1680: In Commemoration" in Ceremony of Brotherhood, eds, Rudolfo Anaya and Simon Ortiz, Academia Press, Albuquerque. "A Pueblo Perspective on the Pueblo Revolt" in El Palacio, Winter, 1980-81. "Some Native American Profiles of Courage, and the Challenges Raised by their Example" in American Indian Culture and Research Journal.
- Rhine, J. Stanley (with H. R. Campbell, Jr.) "Thickness of Facial Tissues in American Blacks" Journal Forensic Science, Vol. 25, No. 4, October 1980, pp. 847-858.
- Rushforth, Scott In Press: "How to speak to 'relatives-through-marriage: Aspects of communication among the Bear Lake Athapaskans" JAR. "Bear Lake Athapaskan verb stems: The 'controlled' - 'uncontrolled' distinction". Proceedings of the Athapaskan Symposium listed below. Published one book review in Language in Society one in JAR.
- Sabloff, Jeremy A. Author: A History of American Archaeology, 2nd edition (co-author G. R. Willey), W. H. Freeman. Editor: American Antiquity (quarterly journal of the Society for American Archaeology). Editor: Scientific American Readings in Pre-Columbian Archaeology (co-editor G. R. Willey), W. H. Freeman.
- Salvador, Mari Lyn Catalog for Portuguese exhibition - Festas Acoreanas - Portuguese religious celebrations in the Azores and in California - in press, Oakland Museum.
- Santley, Robert S. Papers presented: 1980a, Aztec Cannibalism: fact or fiction, paper presented at the 2nd Semiannual Conference of the New Mexico Consortium for Latin American Studies, Albuquerque, New Mexico; 1980b, Obsidian Trade and Teotihuacan Influence in Mesoamerica, paper presented at the Dumbarton Oaks Symposium on Interdisciplinary Approaches to the Study of Highland-Lowland Interaction, Washington, D.C.; 1980c, Teotihuacan Influence and Economic Imperialism in Mesoamerica, paper presented at the Symposium on Obsidian in Mesoamerica, Pachuca, Hidalgo, Mexico. Articles, comments and reviews: 1980a Disembedded Capitals Reconsidered, American Antiquity 45(1):132-145; 1980b, Teotihuacan,

Publications (continued)

Santley (continued)

In The Encyclopedia of Ancient Civilizations, edited by Arthur Cotterell, pp. 325-332, Mayflower Books, London; 1980c, Comments on "Symbiosis, Instability, and the Origins and Spread of Agriculture: A new model," Current Anthropology 21(6):767-768; n.d.a., Specialized Production and Exchange within a Late Formative Community in the Basin of Mexico: Implications for the study of exchange systems in prehistory, In Models of Production and Exchange in Mesoamerica, edited by Thomas H. Charlton, (in preparation); n.d.b., Obsidian Trade and Teotihuacan Influence in Mesoamerica, in Interdisciplinary Approaches to the Study of Highland-Lowland Interaction, edited by Arthur Miller, Dumbarton Oaks Research Library and Collection and Trustees for Harvard University, Washington, D.C., (in press); n.d.c., review of Ceramic Sequence in Colima: Capacha, an early phase, to be published in the Journal of Anthropological Research; n.d. (with William T. Sanders), A Tale of Three Cities: energetics and urbanization in prehispanic Central Mexico, in Prehistoric Settlement Pattern Studies: retrospect and prospect, edited by Evon Vogt, (in preparation).

Schwerin, Karl H.

Adaptive Strategies in Karinya Subsistence, Venezuelan Llanos, Antropologica 50:3-91 (with William M. Donovan); Incest and Kinship Structure, pp. 45-62 in The Versatility of Kinship, edited by Linda S. Cordell and Stephen Beckerman, New York: Academic Press; A Further Attempt to Clarify the Status of Mammillaria Wilcoxii, Journal of the Mammillaria Society.

Spuhler, James Norman

Genes, molecules, organisms, and behavior, keynote address, J. R. Royce and L. P. Mos, eds., Theoretical advances in behavior genetics, pp. 9-40, NATO Advanced Study Institute, Baniff, Canada, 29 September - 8 October 1978, Alphen aan den Rijn, The Netherlands: Sijthoff and Noordhoff, 1979; Review: Hopi Bibliography: Comprehensive and Annotated, by W. David Laird, Journal of Anthropological Research 35:384-385, 1979. Review: Anyang, by Li Chi, Journal of Anthropological Research 35:385-386. The Hopi-Tewa system of mating on First Mesa, Arizona: Some biological, linguistic, and cultural aspects, in L. Cordell and S. Beckerman, eds., The Versatility of Kinship, pp. 63-104, New York: Academic Press, 1980.

Publications (continued)

Straus, Lawrence G.

CA* Comment on M. Ohel, "The Clactonian: An independent complex or an integral part of the Acheulean?", Current Anthropology 21:375-6.

Ice Age subsistence in northern Spain, Scientific American 242(6):142-152 (with G. Clark, J. Altuna and J. Ortea).

Late Pleistocene/early Holocene man-land relationships in northern Spain, AMQUA Abstracts, Sixth Biennial Meeting, Orono, Maine, pp. 183-4.

Recent developments in Old World Archaeology, American Antiquity 45:759-786 (with E. Sterud and K. Abramovitz).

Preliminary Archaeological Survey in Les Landes and Pyrenees-Atlantiques (SW France), Old World Archaeology Newsletter 4(3):6-8.

The role of raw materials in lithic assemblage variability, Lithic Technology 9.

CA* Comment on M. Conkey, "The identification of prehistoric hunter-gatherer aggregation sites: the case of Altamira," Current Anthropology 21:624-625.

Observations on Upper Paleolithic art: Old problems and new directions, Zephyrus 31.

Paleolithic research in SW France: A preliminary survey, National Geographic Society Research Reports.

On the habitat and diet of Cervus elephus, Munibe.

Excavaciones en la Cueva de la Riera (1976-79): Un estudio inicial, Trabajos de Prehistoria 38 (with La Riera Project members).

Late Pleistocene/Early Holocene Adaptations in Cantabrian Spain, In Hunter-Gatherer Economies in Late Pleistocene Europe, G. N. Bailey, ed., Cambridge University Press, Cambridge (with G. Clark).

La collection Magnant: un témoin de la préhistoire charentaise, Bulletin de la Société archéologique et historique de la Charente.

Research into Stone Age man-land relationships in northern Spain, Newsletter of the New Hampshire Archaeological Society, pp. 5-8.

Early excavations in the Cave of El Rascano (a chapter in the Rascano site report edited by J. Gonzalez Echegaray).

Weigle, Mary Martha

Afterword to reprint ed. of Raymond Otis, LITTLE VALLEY (UNM Press, 1980), pp. 274-83.

SPIDERS & SPINSTERS: WOMEN AND/IN MYTHOLOGY (English Dept, UNM, 1980). (With David Johnson)

LIGHTNING & LABYRINTH: AN INTRODUCTION TO MYTHOLOGY (English Dept, 1979). (With David Johnson)

AT THE BEGINNING: AMERICAN CREATION MYTHS (English Dept, UNM, 1980).

5. Other research projects or creative work in progress or completed during period

- Alvarado, Anita L. Continued research in statuses of ethnic minorities & women in the health professions.
- Barrett, Richard A. Manuscript of book in preparation that will serve as a broad introduction to cultural anthropology. It is under contract with Benjamin/Cummings publishing company. Review for Urban Anthropology of Ira Lapidus (ed.) Middle Eastern Cities.
- Binford, Lewis R. Revisions of book, Bones: Ancient Man and Modern Myths, initially completed in 1979 have been done, and the book is due to appear in April, 1981.
- Bledsoe, Caroline H. Evaluation of USAID-sponsored rural roads in Liberia; awarded Ford-Rockefeller population grant for research on child fosterage in Sierra Leone; was interviewed for a USAID film on Sahelian women and development.
- Bock, Philip K. Writing book reviews for Ethnohistory (1) and Amer. Anthropologist (3). Continuing research on "Elizabethan ethnosemantics" and comparisons of peasant communities.
- Brody, J. J. Completed: (With Dr. Cordell and museum staff) Tijeras Pueblo exhibit at Maxwell; (with Dr. Lister) exhibition outline, program and grant application Chaco Canyon; (\$9,9?? grant from NEH, exp. 2/80); essay: Beatlen Yazz for School of American Research monograph, 20 pp. (ms.); research/ms. development of book for SAR: Pueblo Painting.
- Campbell, John Martin Review of Cunner's Paradise by E. Jane Townsend, Museums at Stonybrook, NY for MUST (Museum Store Association Newsletter) Doylestown, Penn (in press). York Canyon Archaeological Project, Kaiser Steel Corporation.
- Chisholm, James S. (in prep) Social and Economic Change Among the Navajo: Neolocal Residence and the Pickup; (in prep) Prenatal Influences on Aboriginal and White Australian Differences in Neonatal Behavior; (in prep) (with K. Fiore) a biography of an Anglo woman Navajo Reservation Trading Post operator.

Other research projects or creative work in progress or completed during period (continued)

- Cordell, Linda S. Guest Curator - Tijeras Canyon exhibit, Maxwell Museum, UNM; Field Research at Rowe Pueblo, Rowe, NM. Attended and gave paper at the School of American Research Advanced Seminar on Adaptations to High Elevations in the Southwest. Discussant on the symposium on Computerized Data Banks, Society for American Archaeology, annual meeting, Philadelphia. Elected to the Executive Committee, Society for American Archaeology.
- Froehlich, Jeffery W. The demographic structure of howler monkeys on Barro Colorado Island, Froehlich et al., submitted to Int. J. of Primatology. Grant from New York Zoological Society for \$11,000 for survey of the Rio Platano Biosphere Reserve in Honduras.
- Gorbet, Larry P. Continuing research on pragmatics, syntax, and morphology of conjunction (with C. Woodall). Subgrammatical semantic and pragmatic variation in English. Continuing work on Bearlake relative clauses (with S. Rushforth). Applications of small computers to linguistic field research. Pronoun cliticization in English.
- Harpending, Henry Population Structure of Mobile and Sedentary Bushmen: L. Wandsnider, H. Harpending, in press in Current Developments in Anthropological Genetics II, Plenum. Chemical Systematics of Human Populations, H. Harpending, R. Ward, prepared for 1981 Field Museum Spring Systematics Symposium. To be published by U. Chicago Press.
- Judge, W. James "PaleoIndian-Basketmaker: Overview and Research Problems," in F. Plog, ed., San Juan Basin Seminar Papers, School of American Research (in press). "Tenth Century Developments in Chaco Canyon," in A. Schroeder, ed., papers in Honor of Erik Reed, Archeological Society of New Mexico (in press). Continuing project: Computerized Data Base Management for Cultural Resources.
- Ortiz, Alfonso Organizer and Chairman, SAR Advanced Seminar on the Tewa, to be held February, 1981. Co-editor (with Ray DeMallie) of a volume on North American Indian studies in honor of Fred Eggan (authors invited October-November, 1980). Editor, Vol. 10 (non-Pueblo SW) Handbook of NA Indians; next one to be published. Co-Editor (with Margaret D. Ortiz) of a volume on NA Indian mythology; in progress.

Other research projects or creative work in progress or completed during period (continued)

- Rhine, J. Stanley Continuing research into facial reproduction, skeletal morphological variability, human paleopathology, identification and analysis of burned remains, etc.
- Rushforth, Scott Began work on Mescalero Apache Ethnographic Dictionary. Work done for the Mescalero Tribe and to be completed spring, 1981. Completed and submitted for publication two papers: "A structural semantic analysis of Bear Lake Athapaskan kinship classification" and "Some directive speech acts in Bear Lake Athapaskan".
- Sabloff, Jeremy A. Edited three books and monographs which will appear in 1981: Simulations in Archaeology, University of New Mexico Press; Supplement to the Handbook of Middle American Indians: Vol. 1, University of Texas Press; Analyses of Fine Paste Ceramics, Peabody Museum Memoirs. I also have four articles which should be published in 1981 or soon thereafter. Finally, I worked on Archaeological Investigations on the Island of Cozumel, Mexico: Decadent Period Settlement Patterns (co-author D. A. Freidel) which will go to press in several months.
- Salvador, Mari Lyn Field work - research on historic photographs - begin oral history project. Field work - Michoacan Mexico. NEH grant \$75,000 Ceremonial Art in a Mexican Community - for cooperative project with the Oakland Museum.
- Santley, Robert S. Archaeological research on the South Gulf Coast of Veracruz, Mexico.
- Schwerin, Karl H. The Kin-Affine System in South America.
- Sebring, James M. Tea and Antipathy: A Study of Hierarchy and Homology in a Caste System of North India (unpublished monograph); Standing on One's Own Shoulders: An Earlier Interpretation Recanted (ms. of a paper); Teaching: extensive preparation of new material for two courses: 330, "Principles of Cultural Anthropology" and 435, "Comparative Value Systems."
- Spuhler, James Norman Continued work on monograph on historical biology of North American Indians.

Other research projects or creative work in progress or completed ...
during period (continued)

Straus, Lawrence G.

Archaeological survey for Paleolithic sites in SW France (Les Landes & Pyrenees-Atlantiques) with test excavation of Abri Dufauré (a Magdalenian site) sponsored by grants from the National Geographic Society and UNM Research Allocations Committee; documentation of cave art in La Meaza (Santander, Spain); analysis of artifacts from our 1976-79 excavations in La Riera Cave (Asturias, Spain), with preparation of several chapters of the up-coming monograph.

Weigle, Mary Martha

(with Kyle Fiore) "Literary New Mexico - Between the Wars" (book ms. in press, UNM Press); (with Mary Powell) "From Alice Corbin's 'Lines Mumbled in Sleep' to 'Eufemia's Sopapillas': Women and the Federal Writers' Project in New Mexico" - 65 pp ms. for spring 1981 Women Writers and Artists of the Southwest issue of NEW AMERICA. (With Thomas R. Lyons) "Brothers and Neighbors: The Celebration of Community in Penitente Villages" for a volume edited by Victor Turner, CELEBRATION: A WORLD OF ART AND RITUAL, to be published by the Smithsonian Institution to accompany an 18-month exhibition of that title at the Renwick Gallery. "Because the Magic Dreaming" - a novel, which has been revised, finished and is being typed for submission. (With David Johnson) "Mythology of the Americas: An Interdisciplinary Approach to Cultural Identity" \$22,000 from Exxon Education Foundation. Work was completed (the three books mentioned in #4 above plus a final report of more than 100 pp) during an extension period through April 1, 1980. (With William H. Wroth, Taylor Museum, Colorado Springs Fine Arts Center) "Governmental Support of the Arts in New Mexico, 1933-1943," \$32,400 from the National Endowment for the Humanities (No. RS-00056-79-589) to have been completed by December 31, 1980, but an extension has been requested and informally granted. Considerable research completed for my part on the verbal arts (music, theater, writing, folklore, etc.) Various articles already noted are still in press: Los Hermanos Penitentes-Brothers of Our Father Jesus, for an anthology, The Folklore of American Ethnic Groups: Collections and Critiques, ed., Ronald J. Ambrosetti for Alfred Publishing, Los Angeles; The Southwest: A Regional Case Study, for the Handbook of American Folklore, ed., Richard M. Dorson for McGraw-Hill;

Other research projects or creative work in progress or completed during period (continued)

The Penitentes, for the Dictionary of Mexican American History, ed., Matt Meier and Feliciano Rivers for Greenwood Press, Westport, Connecticut; The Penitente Brotherhood in Southwestern Fiction: Notes on Folklife and Literature for the American Self, ed., Sam Girgus, expected soon from UNM Press.

6. Activities in learned and professional societies

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| Alvarado, Anita L. | Keynote address - "Crosscultural Perspectives on Aging," Quality of Life Seminar, N. M. Medical Assn. & Presbyterian Hospital Quality of Life Seminar. Attended: meetings, Art History in the Southwest. Lecture: "Racism in a Woman's Profession? Considerations from Nursing," UNM Women's Studies. Meeting: Round Table of Native American Studies Directors. |
| Binford, Lewis R. | Lectures given, United States: April, 1980, invited address to the Society for American Archaeology. Lectures given, England: November 12, lecture, Aspects of Antiquity Series, Southampton, Topic: Living Archaeology Among the Australian Aborigines. November 25, lecture, British Prehistoric Society, Society for Antiquaries, London, Topic: Site structure and the archaeological record. December 14, Keynote Address, Theoretical Archaeology Conference, University of Southampton (Dec. 13-16). Topic: Objectivity, explanation and the state of archaeology 1980. |
| Bledsoe, Caroline H. | Attended 1979 Amer. Anthro. Assn. meetings, Los Angeles; attended 1979 African Studies Assn. meetings, Los Angeles; attended USAID conference on rural roads policy, Washington, D.C. (1980). |
| Bock, Philip K. | Western Soc Sci Assn Meeting, Albuq, Spring 1980: Moderated panel and presented paper, "Musical Events in Tepoztlan"; American Anthro Assn. Annual Meeting, Washington: paper on "Color Terms in Shakespeare." (12/80) |
| Brody, J. J. | Attended meetings of Am. Assoc. of Museums & Int. Com. on Museums, Boston, June 1980. |
| Chisholm, James S. | Conference on Social Development in Infancy, SSRC and W. T. Grant Foundations sponsored meeting in NYC, Oct. 1980 ("Natural Selection for Developmental Plasticity"). |

Activities in learned and professional societies (continued)

- Draper, Patricia a) Organized symposium for the 2nd International Congress on Hunter Gatherers, Quebec, Canada, October 19-24, 1980. Symposium title: "Politics and Ideology: Male/Female Roles." b) Invited participant to meeting held by Social Science Research Council on "Gender and Society" June 11-13, 1980. Meeting held at offices of Social Science Research Council, New York City.
- Froehlich, Jeffery W. Paper on howler monkey demography read at Annual Meeting of American Society of Mammalogists in Rhode Island, June 1980.
- Gorbet, Larry P. Member, Linguistic Society of America Committee on Linguistic Institutes and Fellowships; Session chair, Western Social Science Assoc. Annual Meeting, Albuquerque, April 1980; Visiting scholar, Linguistic Society of America Linguistic Institute, Albuquerque; Invited discussant for paper at Symposium on Uto-Historical Linguistics, Albuquerque, July 1980 (papers and discussions to be published 1981); Session chair, Linguistics Society of America Summer Meeting, Albuquerque, July 1980; paper presented, Linguistics Society for America Annual Meeting, San Antonio, Texas, December 1980.
- Harpending, Henry Associate Editor, American Journal of Physical Anthropology (through 1980 volume); Talk on Social Evolution -- Biomathematics Symposium, U of Alberta, April 1980.
- Judge, W. James Treasurer, Society for American Archaeology. Chairman, Distinguished Service Award Committee, Society for American Archaeology. Meetings attended: SAA, AAA, Pecos Conference. Paper presented "Chaco Regional System" (Pecos Conf.).
- Ortiz, Alfonso Chairman (continuing since 1978), National Advisory Council, Newberry Library's Center for the History of the American Indian (NLCHAI); Chairman and summarizer, 1980 NLCHAI conference on urban indians; attended meetings of American Anthro. Assn.
- Rhine, J. Stanley Paper: "The Body in the Plain Brown Wrapper" (W/H R. Campbell, Jr.) Amer Acad Forensic Sci, New Orleans, February. Paper: "Differential Diagnosis in Paleopathology: The Collapsed Vertebra" (W L Minear & --) Southwest Anthropological Assn., San Diego, Apr 12, 1980. Informal (unscheduled) presented on New Mexico Prison Riot at AAFS meetings in New Orleans.

Activities in learned and professional societies (continued)

- Rushforth, Scott Attended symposium on Athapaskan Comparative Linguistics and Language Planning. Read paper entitled "Bear Lake Athapaskan verb stems: The 'controlled' - 'uncontrolled' distinction."
- Sabloff, Jeremy A. Officer of the Society for American Archaeology; elected to the Nominations Committee, Section H, American Association for the Advancement of Science; attended the annual meetings of the Society for American Archaeology (Philadelphia) and the American Anthropological Association (Washington D.C.).
- Salvador, Mari Lyn Paper given at the Southwest Social Science meetings - on comparative aesthetics - Kuna. Chair, Partners for the Americas - cultural and museum activities. Funding panel member, New Mexico Art Council.
- Santley, Robert S. Referee for American Antiquity, Current Anthropology, American Anthropologist and Journal of Anthropological Research. Papers presented: 1980a, Aztec Cannibalism: fact or fiction, presented at the 2nd Semiannual conference of the New Mexico Consortium for Latin American Studies, Albuquerque, New Mexico; 1980b, Obsidian Trade and Teotihuacan Influence in Mesoamerica, presented at the Dumbarton Oaks Symposium on Interdisciplinary Approaches to the Study of Highland-Lowland Interaction, Washington, D.C.; 1980c, Teotihuacan Influence and Economic Imperialism in Mesoamerica, presented at the Symposium on Obsidian in Mesoamerica, Pachuca, Hidalgo, Mexico.
- Schwerin, Karl H. Organized and co-chaired a symposium "Food Energy in Tropical Ecosystems" at the annual meeting of the American Anthropological Assn. 3-7 Dec 1980, Washington, D.C.
- Spuhler, James Norman Member at Large, Assembly of Behavioral Sciences, National Research Council.
- Straus, Lawrence G. Paper presented at the Biennial Meeting of the American Quaternary Assn. (Orono, Maine, Aug. 1980). Title: Late Pleistocene/Early Holocene man-land relationships in northern Spain.
- Weigle, Mary Martha Editor, publications of the American Folklore Society, new series (2 vols. printed to date); Panelist, publishing folklore, Annual Meeting of the American Folklore Society, Pittsburgh, Oct.

7. Other professional activities

- Alvarado, Anita L. Lecture: "Concerns of Hispanics," National EEO meeting, U. S. Dept. of Agriculture; Fulbright Selection Committee member, meeting in Chicago, Dec 1980.
- Barrett, Richard A. Speaker for College Enrichment Program, UNM, Summer 1980.
- Binford, Lewis R. Lectures given, United States: March 1980, University of Arizona, Tucson; February 1980, University of California, Los Angeles. Lectures and other professional activities, England: November 10, lecture, London School of Economics, London, topic: Modelling the origins of agriculture. Nov. 13, lecture, Cambridge University, Cambridge, topic: Symbols past and present. Nov. 14, Discussion group, Cambridge students, topic: Current trends in archaeological research. Nov. 18, recordings, three program tapes recorded for British Broadcasting Corp. Nov. 22, lecture, University of London, London, topic: Ethnoarchaeology among the Nunamit Eskimo. Nov. 28, lecture, University of Sheffield, Sheffield, topic: Ethnoarchaeology and methodological research. Nov. 29, lecture, University of Sheffield, Sheffield, topic: Settlement systems and inter-site variability. Dec. 2, lecture, University of Sheffield, Sheffield, topic: Testing models of the origins of agriculture. Dec. 5, lecture, University of Southampton, Math and Computer Depts., Evolutionary models for the development of number skills. Dec. 8, lecture, University of Reading, Reading, topic: Assemblage variability in fauna and modelling prehistoric logistics.
- Bledsoe, Caroline H. 1980 - consultant for Futures for Children (private Voluntary organization seeking funding for development work in Indian communities. I wrote a proposal for them.) 1980 - consultant for LASL (I am assisting on an interview project for forecasting in magnetic fusion energy.)
- Bock, Philip K. Performed role of Mr. Velasco in Barefoot in the Park, Vortex Theatre, January 1980; performed role of "George" in Who's Afraid of Virginia Woolf, Aug.-Sept. 1980. Presentation on History of Psych Anth, Psychiatry Grand Rounds, UNM Med School.

- Brody, J. J. Review of grant applications for: National Endowment for the Humanities, National Science Foundation, National Endowment for the Arts. Taught Elderhostel class, June 1980; consulted for Am. Fed. of Arts (Mimbres pottery exhibition), Ellis Museum, Ghost Ranch; Glenbow Museum, Calgary; Scho. of Am. Res. 10 off-campus talks, appointed member of Advisory Board, N. M. Nat. Hist. Mus.
- Campbell, John Martin Lecture on the Arctic, Eldorado High, Albuquerque; Lecture on the Arctic, Maxwell Museum Assoc.
- Chisholm, James S. Editorial Consultant, Handbook for Cross-Cultural Research in Infancy (C. Super and R. A. Levine, eds.). "Prenatal Influences on Navajo-Anglo Neonatal Behavioral Differences," talk to Pediatric Residents, Dept of Pediatrics, UNM Hospital, Sept.
- Cordell, Linda S. Gallery Talk on Tijeras Canyon, Maxwell Museum, UNM, Nov 1980. Talk on Archaeologists as Curators, to the Albuquerque Archaeological Society, Oct. 1980. Talk on prehistoric Southwest, El Dorado High School, January 1980.
- Draper, Patricia Nov. 7, 1980, I was the invited lecturer for the Grand Rounds Departmental Conference Series, UNM Med School Dept of Psychiatry, Lecture title: "Effects of Setting on Behavior: Anthropological Research." March 11, 1980, I was the invited lecturer at the Quarterly lecture Series at Sandia Vista Psychiatric Hospital, Albuquerque, NM. Lecture title: "Father Absence: Evolutionary Implications for Human Family Organization." Associate Editor to Journal of Anthropological.
- Froehlich, Jeffery W. Paper reviewed for Biotropics.
- Judge, W. James Participant, "The Chaco Legacy," Odyssey TV Series; testified, Senate Energy and Natural Resources Committee, Washington, re Chaco legislation; Chairman, San Juan Basin Inter-agency Archeological Committee; Gave approx. 20 off-campus talks, plus seminar to Arch. Society of New Mexico.

Other professional activities (continued)

- Ortiz, Alfonso National Nominator, John and Catherine MacArthur Fellowship Program; Member, Selection Panel, Mino Shaughnessy Fellowship Program, Fund for the Improvement of Postsecondary Education; Member, Renewable Energy Assessment Panel, Oak Ridge National Laboratory; Panelist, Office of Special Projects, National Endowment for the Humanities; Member, Selection Committee, NLCHEI Fellowships Program, Newberry Library; Chief Editorial Advisor for 8 volumes on the New World of the 60-volume Classics in Western Spirituality. The Paulist Press, New York; Member (continuing) of editorial boards of five journals. Lectures: University of Wisconsin-Madison (March); Haskell Indian Junior College, Kansas (April); Eastern New Mexico University (February); San Gabriel Historical Society of Northern N. M. (August); El Castillo Retirement Community, Santa Fe (September); Indian Pueblo Cultural Center Docents Program (October); New York University Graduate Program in Performance Studies (October).
- Rhine, J. Stanley Series of exhibits on osteology in UNM Med School Library; Lecture on forensic anthropology to Soc/Anthro Dept, UTEP, Es Paso, Oct 23, 1980; public lecture (& coverage w/ interviews on 3 TV stations) on role of anthropology in New Mexico Prison analysis; consultations by law enforcement authorities in Colorado, Nevada & Pennsylvania for facial reproductions; participant & arranger of advanced session of "Medico-legal Investigation of Death," UNM Med School, Aug 3-8, 1980.
- Rushforth, Scott Consulted with the Mescalero Tribe on the dictionary project for their language.
- Sabloff, Jeremy A. Presented a paper at the Wenner-Gren conference on settlement pattern analysis at Burg Wartenstein, Austria; gave a lecture at the Hansen Planetarium, Salt Lake City, Utah and served as a consultant for their show: "Skywatchers of Ancient Mexico."
- Salvador, Mari Lynn Review grant applications for NSF and NEH.
- Santley, Robert S. "History of the Archaeology of Ancient Teotihuacan," talk presented at the Latin American Institute, UNM.
- Schwerin, Karl H. Lectured to NW Optimist Club, 23 Oct., on Pre-Columbian contacts between Africa & S. America.

Other professional activities (continued)

- Sebring, James M. Editorial review reading of manuscripts of Journal of Anthropological Research.
- Spuhler, James Norman Editorial Board, American Naturalist.
- Straus, Lawrence G. Presented report on 1980 survey to French Government to meet permit requirements. Presented public lectures to two Civitan groups, the Albuquerque Academy (Spanish & Anthro classes), the Asbury Senior Citizen Day-Care Center, UNM Anthro course on Islam (Moorish Spain), other UNM Anthro professors' classes, etc. Testified to NM Senate Education Committee.
- Weigle, Mary Martha Consultant: (a) Holt, Rinehart & Winston, Southwest Heritage Reader, Spring 1980, (b) National Geographic Magazine, book entitled "Great Southwest", (c) "Film Documentation and Analysis of the Penitente Brotherhood", NEH sponsored project co-directed by Thomas R. Lyons & Charles Kolander, UNM (1980 ongoing) I am written into three grants as a consultant at present, though nothing will be known until next year: National Endowment of the Arts: Public Media program - grant for a film on New Mexico santeros from Patricia Ferrero, San Francisco State University; National Endowment for the Humanities: Youthgrants - grant for slide and audio work on "Hispanic Storytellers of Northern New Mexico" from Judy L. Goldberg and Juan P. Lopez, both of Self Reliance Foundation, Las Trampas, New Mexico; National Endowment for the Humanities: Program Development/Special Projects - grant for "The New Deal and Folk Culture" from John C. Camp and Charles L. Perdue and Nancy Martin-Perdue (the former from Maryland State Arts Council, the latter from the University of Virginia), a grant sponsored by the National Council for the Traditional Arts.

8. Non-teaching University service

- Alvarado, Anita L. Dean's Selection Committee, College of Arts & Sciences; Monitoring of trends in minority faculty status for Minority Concerns Committee; Professional Advisory Committee, the New Mexico Children's Psychiatric Center Steering Committee; Provost's Committee on Gerontology Development.

Non-teaching University service (continued)

Barrett, Richard A.	Coordinator of the Harvey Lectureship program for the Dept of Anthropology, Fall 1980.
Binford, Lewis R.	Chairman, Social Science Promotion Committee, through Spring 1980; Member, Arts & Sciences Tenure Committee, through Spring 1980.
Bledsoe, Caroline H.	Chairman, Ethnology Committee.
Bock, Philip K.	Dept. Chairman through June 1980; chaired promotion committee for Prof. Gorbet.
Brody, J. J.	Director, Maxwell Museum; Board member, Maxwell Museum Assoc; member Advisory Committee, Fine Arts Museum UNM.
Cordell, Linda S.	Chairman, Board of Archaeologists, Dept. of Anthropology; Member of the University Committee on Admissions & Records, also subcommittee on grade change petitions. Completed term on Faculty Senate - May 1980.
Draper, Patricia	Chair, dissertation committee for Elizabeth Cashdan, Ph.D. degree conferred, December 1980; Chair, committee on contract renewal for Mari Lyn Salvador, asst prof, Dept of Anthro, UNM; Committee member of Arts and Sciences Promotion Committee, Promotion Committee for the Social Sciences, Eleanor Barrett, Professor, Dept of Geology, Chair; Committee member, Undergraduate Committee, Dept. of Anthro.
Froehlich, Jeffery W.	Chairman, Recruitment Committee, Spring 1980; Undergraduate Committee Chairman, Fall 1980.
Gorbet, Larry P.	Chair, Anthropology Graduate Committee; Linguistics Summer Institute Planning Committee (through June 1980); Linguistics M.A. Examination Committee (chair, 1980-81); College of Arts & Sciences Graduate Committee; Faculty and Staff Welfare and Benefits Committee (chair, 1980); Faculty Senate.
Harpending, Henry	Chair, A & S Human Subjects Committee; MARC Program, University Curriculum Committee, Dept. Computing Coordinator.
Judge, W. James	None (minor committee work on request, e.g., promotion and tenure committee, Board of Archaeologists, etc.).

Non-teaching University service (continued)

Ortiz, Alfonso	Chairman, Faculty Advisory Council, Native American Studies Program; Member, Graduate Dean Search Committee; Chairman of dissertation committee and member on three others and member of 8 other graduate committees in 5 departments.
Rhine, J. Stanley	Continued as Assoc. Curator of Physical Anthropology, Maxwell Museum; Continued as Anthropology Consultant to the Office of the Medical Investigator, State of New Mexico; Member of Anthro Dept Graduate Committee; Chairman of Promotion Committee for Dr. Froehlich.
Rushforth, Scott	Member, Undergraduate Committee, Dept of Anthro.
Sabloff, Jeremy A.	Member: Maxwell Museum Assoc. Board of Directors, Member: University Library Committee; Member: two committees at the Latin American Institute; Chaired a symposium for the LAI.
Salvador, Mari Lyn	UNM Press Committee, Latin American Council, Latin Am. Prog. Planning, Ethnology sub-committee, Anthropology Film Committee, New Mexico Arts Commission Crafts Panel and NEH review panel.
Santley, Robert S.	Member, Graduate Studies Committee, Dept of Anthro, UNM; Archaeology Advisor, Dept of Anthro, UNM.
Schwerin, Karl H.	Member: Academic Freedom & Tenure Committee, Research Policy Committee, Interdisciplinary Committee on Latin American Studies.
Sebring, James M.	Membership on Ph.D. dissertation committee in American Studies; I was a member of the undergraduate Academic Affairs Committee and was listed as being so until 1982. For reasons unknown to me I was removed (?) from the committee. I did not resign.
Spuhler, James Norman	Chairman, University Press Committee; Chairman, Asian Studies Committee. Member, Library Committee (2nd semester, 1980). Editor, Journal of Anthropological Research.
Straus, Lawrence G.	Member, Faculty Senate, Research Policy Comm. (& its subcommittees on Research Lectureship, Sabbatical Pay Policy & Research Administration), Anthro. Dept. Library Liaison; Board of Archaeology

Non-teaching University service (continued)

Straus (continued) gists; Anthro. French & Spanish Examiner; member of several M.A. and Ph.D. committees; member of Fulbright-Hayes Fellowship Screening Committee.

Weigle, Mary Martha Consulting editor, NEW AMERICA - special issue on Women Writers and Artists of SW.

9. Public service

Alvarado, Anita L. Vice President, Basset Hound Club of Greater Albuquerque.

Bock, Philip K. Board of Directors, Exper. in Jewish Learning (Lecture Series); Vice Pres., Board of Directors, Vortex Theatre (starting Dec. 1980).

Brody, J. J. N. M. Cactus and Succulent Society.

Froehlich, Jeffery W. Co-chairperson for Audubon Wildlife Film Committee.

Harpending, Henry Talks to local public schools, etc.

Judge, W. James Member, Board of Trustees, Archaeological Society of New Mexico; Board of Directors, San Juan County Museum Association.

Ortiz, Alfonso President (continuing since 1973), Assoc. on American Indian Affairs, Inc., New York; Member, National Commission on the Higher Education of Minorities, the Ford Foundation (1979-81; terminates June 30, 1981); Member, Secretary of the Interior's Panel to advise the federal government on its role in American Indian art and culture (1979-80); Chief Historian, Tricentennial Revolution Commission, All-Indian Pueblo Council, 1979-80.

Salvador, Mari Lyn Research person, Manzano Day School.

Sebring, James M. Judge, social-behavioral science division, Regional Science Fair.

Straus, Lawrence G. Lectures to community groups (see Item 7)

Weigle, Mary Martha Board of Directors, Santa Fe Historical Society.

10. Personal information

Santley, Robert S.

Divorced, April 1980.

The Report of the Department of Biology

January 1, 1980 - December 31, 1981

James R. Gosz, Acting Chairman

I. General Departmental Information

This past year has again been one of activity, enthusiasm, and productivity on the part of the faculty, students and staff. Research programs have grown and the national and international reputations of our faculty are increasing. Biology department faculty and students were again teaching and performing research in many areas of the world in addition to New Mexico.

This report will concentrate on the individual achievements of Biology department faculty because of the absence of Chairman Findley (on sabbatical) who normally describes the department achievements, programs and changes.

II. Composite of information requested on individual biographical supplements.

Summary

Research Grants. During FY 1980-81 the Biology faculty acquired 32 research grants from outside sources. The actual value, or money brought in

during the year totaled over \$1,000,000 (see table 1).

Publication. During the period covered by the Biographical Supplement, the Biology faculty published 43 papers totaling 363 pages in referred journals and books. In addition, Dr. Martin's book ("Flora of New Mexico") was published in two volumes totaling 2591 pp.

Invited Papers and Seminars. Twenty one of our faculty presented a total of 71 papers and seminars during the period of the Biographical Supplement.

Detailed Information

1. Advanced Study

None

2. Sabbaticals and Leaves

Barton, Larry L. August 16-20, 1980: An invited attendee at the 3rd International Symposium on Microbial Growth at the University of Warwick, England.

Caldwell, Douglas E. Lecturer in the National Aeronautics and Space Administration (NASA) summer course in planetary biology and microbial ecology. Ames Research Center and Santa Clara University, California.

Crawford, Clifford S. February 24-July 6, 1980: as a Lady Davis Fellow (Visiting Professor), Technion - Israel Institute of Technology, Haifa. Guided four graduate students in "special problems" course. Collaborated on research with Professor M. R. Warburg.

Duszynski, Donald W. March 12-21, 1980: Took Biol. 496/596 Class to Discovery Bay Marine Lab, Jamaica, West Indies (11 UNM students plus 5 students and 1 faculty member from Southern Methodist University, Dallas, TX).

March 21-29, 1980: Flew to Belize, Central America to evaluate field sites (supervised by International Zoological Expeditions) as potential sites for future Biology Department field classes.

October 20-25, 1980: Took Biol. 370 Class to Puerto Penasco, Mexico (41 students and faculty).

Kidd, David E. Visiting Scholar 1980-1981, Science Education Center, University of Texas - Austin.

Taylor Fritz. October 1980. Conference on Variation in Life Histories: Genetics and Evolutionary Processes, University of Iowa.

Trujillo, John L. Site visitor for National Institutes of Health.

University of California - Santa Cruz: Peer Review Scientist.

Yates, Terry L. Taught summer field course in Mexico.

3. New scholastic honors, fellowships, etc.

Cates, Rex G. Member of National Science Foundation Ecology and Ecosystem Studies Grant Proposal Review Panels: Meet 3 times per year (Jan., April, and Oct.).

Riedesel, Marvin L. 1980. Southeastern Center for Electrical Engineering Education, Fellow.

UNM Presidential Recognition Award

UNM Chapter of Sigma Xi, Certificate of Recognition and President Elect

Trujillo, John L. Awarded National Institutes of Health Department of Research Resources - Computer PROPHET SYSTEM for UNM Scientists (Hardware and Software), housed in Rm 102 Biology.

Yates, Terry L. Elected an outstanding young man of America by international JC's.

4. Publications

Altenbach, J. Scott, K.N. Geluso, and D.E. Wilson. 1980. Population size of Tadarida brasiliensis at Carlsbad Caverns in 1973, pp 341-348, in Biol. Investigations in the Guadalupe Mtn. Natl. Park, Texas (H.H. Genoways and J.K. James, ed). Natl. Park Service Proc. and Trans. Series No. 4.

Hermanson, J., and J.S. Altenbach. The role of the three primary downstroke muscles in the flight of Antrozons pallidus. Accepted as feature article in J. Mammalogy December 1980.

Hoyt, R., and J.S. Altenbach. Maintenance of Diphylla ecaudata under laboratory conditions and observations on their feeding behavior. Accepted as general note in J. Mammalogy 1980.

Baca, Oswald G, I.L. Martinez, A.S. Aragon, and D. Klassen. 1980. Isolation and partial characterization of a lipopolysaccharide from phase II Coxiella burnetii. Canadian J. Microbiology 26:819-826.

Myers, W.F., O.G. Baca, and C.L. Wisseman, Jr. 1980. Genome size of the rickettsia Coxiella burnetii. J. Bacteriology 144:460-461.

Barton, Larry L. Specificity of the Interaction between phenylmethane dyes and bacteria. Microbios letters 11; 111-116, 1980 (with S. Green and V. Longmire).

Viability changes in human neutrophils and monocytes following exposure to toxin extracted from Aphanizomenon flos-Aquae. Canadian J. of Microbio 26; 272-274, 1980 (with E.W. Foster and G.V. Johnson).

Barton, Larry L. (continued) Type 1 Pneumococcal Cell Wall-Induced Granulocytopenia. Clinical Research 28; 44, 1980 (with S.E. Goldblum, W.P. Reed, and D.L. Palmer).

Significance of chemolithotrophy and carbon dioxide fixation in the sulphate-reducing bacteria In 34th International Symposium on microbial growth on C-1 compounds. (H. Dalton, ed.) Heyden and Son Limited, London, in press.

Dissimilatory reduction of elemental sulphur by Desulfovibrio. In Biology of Sulphur; Ciba Foundation Symposium 72, London (J.R. Postgate ed.) in press.

Clustering of phenotypic variables and construction of an identification scheme for human isolates of haemophilus. The Journal of Infection. in press (with L. Johnson and E. Rypka).

Caldwell, Douglas E. Brannan, D.K. and D.E. Caldwell, 1980. Thermothrix thiopara: growth and metabolism of a newly isolated thermophile capable of oxidizing sulfur and sulfur compounds. Appl. Environ. Microbiol. 40:211-216.

Cates, Rex G. Feeding patterns of monophagous, oligophagous, and polyphagous insect herbivores: The effect of resource abundance and plant chemistry. Oecologia 46:22-31.

The effect of levels of recreational activity on the water quality of wildland streams. pp 1-29. Final Report. (and T. McMurray)

The identification of dissolved organic chemicals released in wildland streams due to disturbance. 6 pp. (and Tim McMurray)

A determination of the resistance-susceptibility characteristics of Douglas-fir to the western spruce budworm. 2 pp.

Crawford, Clifford S. "Desert millipedes: a rationale for their distribution." In: Camatini, M. (ed.). Myriapod Biology. Academic Press: London, pp. 171-181 (1979).

"Onset of evening chorus in Tibicen marginalis (Homoptera: Cicadidae)." Environ. Entomol. 8: 1157-1160 (1979) (with M. M. Dadone).

"Integumental ultrastructure of the desert millipede, Orthoporus ornatus (Girard) (Diplopoda: Spirostreptidae). Int. J. Insect Morphol. and Embryol. 9: 231-249 (1980) (with L. J. Walker).

Duszynski, Donald W. Ultrastructure of Sarcocystis sporocysts from passerine birds and opossums: Comments on classification of the genus Isospora. Journal of Parasitology 66: 68-74 (with E.D. Box, A.A. Marchiondo, C.P. Davis).

Isospora californica (Protozoa: Eimeriidae) in Peromyscus maniculatus (Cricetidae) from White Sands National Monument, New Mexico. Southwestern Naturalist 25: 125-126 (with L.F. Mayberry, J.R. Bristol).

Eimeria macrotis sp. n. from Vulpes macrotis neomexicanus Merriam, 1902. Zeitschrift für Parasitenkunde 61: 197-200 (with L.R. Mayberry, J.R. Bristol, W.H. Reid).

Ewing, Evelyn P. Genetic Variation in a Heterogenous Environment VIII Temporal and Spatial Heterogeneity in Haploid Populations. 1980 American Naturalist, December issue.

Mutation-Selection Balance and the Maintenance of Detrimental Gametes I. Simple Epistasis: the Appearance of Monogenicity in Multi-Locus Systems. Genetics 1981 (in press).

Findley, James S. Foods eaten by some bats from Costa Rica and Panama. Journ. Mamm., 61:540-544. August 1980 (with J. Whitaker).

Gosz, James R. Nutrient budget studies for Forests...in New Mexico, Ecology 61:515-521, 1980.

Biomass distribution...for a nonaggrading forest, Ecology 61:507-514, 1980.

Nutrient and heavy metal transport in sediment in the SW, Water Res. Bull., 16:927-933, 1980.

Nitrogen Cycling in coniferous ecosystems, In: Nitrogen Cycling in Ecosystems, Ecol. Bull. (Stockholm) 1980.

Nitrogen cycling and loss following forest perturbation. In: Barrett, G.W. and R. Rosenberg (eds.). Stress effects on natural ecosystems. John Wiley & Sons, New York (in press).

Effects of a ski area development on the water quality and invertebrates of a mountain stream. Water, Air, and Soil Poll. (in press) (with Molles).

Forest recreational use, water and aquatic life: an assessment of research results for land-use managers in the southern Rockies and high plains. Eisenhower Consortium Bulletin (in press) (with Potter, Carlson).

Organic N interference with automated ammonium analyses (sub. to Can. J. For. Res.) (with White).

Influence of vegetation and geology on the nutrient and heavy metal transport capabilities of sediment (sub. to Water Resources Res.) (with White, Ffolliott).

A comparative analysis of nitrification and nitrate mobility in forest ecosystems (sub. to Ecological Monogr.) (with Vitousek, Reiners, Grier, Melillo).

Johnson, Gordon V. Barton, L.L. E.W. Foster, and G.V. Johnson. 1980. Viability changes in human neutrophils and monocytes following exposure to toxin extracted from Aphanizomenon flos-aquae. Can. Journal Microbiol. 26:272-274.

Johnson, G.V. and C.C. Gage. 1980. Soil and plant relations studies, pp. 3.1-In: A report of biological investigations at the Los Medanos Waste

isolation pilot plant (WIPP) area of New Mexico during FY1979, Sandia Laboratories Report. Chapter submitted, volume in preparation.

Kidd, David E. Rail, C.D., D.E. Kidd and W. Hadley. 1980. Determination of Selenium in Tissues, Serum and Blood of Wild Rodents by Graphite Furnace Atomic Absorption Spectrophotometry. International Journal Environmental Analytical Chemistry, 8 (2): 79-87.

Gloss, S.P., L.M. Mayer, and D.E. Kidd. 1980. Advective control of nutrient dynamics in the epilimnion of a large reservoir. Limnology and Oceanography, 25(2): 219-228.

Book review: Kidd, D.E. 1980. Textbook of Limnology by Gerald A. Cole. The American Biology Teacher, 42(3): 187.

Kogoma, Tokio. Isolation and Characterization of a Conditional-lethal Sdr Mutant of Escherichia coli. J. of Supramolecular Structure, Supplement 4, 388 (abstract).

Ligon, J. David. Another interpretation of communal breeding in green woodhoopoes--Ligon and Ligon Reply. Nature 280: 174, 1979. (with S.H. Ligon) Not previously reported.

Densities and Species Composition of the Avifauna of the Los Medanos WIPP Site, Southeastern New Mexico. pp. 359-392 in Best, T.L., and Neuhauser, S., Eds. 1980. A Report of Biological Investigations at the Los Medanos Waste Isolation Pilot Plant (WIPP) Area of New Mexico During FY 1978. Sandia National Laboratories, Albuquerque, NE, Sandia Publ. No. SAND 79-0368. 524 pp. (with D.C. Cole).

Ligon, Sandra H. Another interpretation of communal breeding in green woodhoopoes--Ligon and Ligon Reply. Nature 280:174, 1979. (with J.D. Ligon) Not Previously reported.

Martin, William C. W.C. Martin and C.R. Hutchins. 1980. A flora of New Mexico. Cramer Verlag, Braunschweig, West Germany. 2591 pp.

Molles, Manuel C. Molles, M.C., Jr., and J.R. Gosz. In Press. Effects of a ski area development on the water quality and invertebrates of a mountain stream. Water, Air, and Soil Poll. 1980.

Completed construction of a simulated mountain stream for use in laboratory research on stream invertebrates and fishes.

Potter, Loren D. 1980. The ecology of Colorado River reservoir shorelines. pp. 236-272 In Vol. II Spofford, Parker, and Kneese, eds. 1980, The Impact of Energy Development in the Southwest, Problems of Water, Fish, and Wildlife in the Upper Colorado River Basin. Resources for the Future, Wash. D.C. 2 vols. 523 and 541 p.

Potter, Loren D. and N.E. Kelley, 1980. Aerial photo-interpretation of vegetation of Chaco Canyon National Monument, pp. 87-104 In Lyons and Mathien, 1980. Cultural Resources, Remote Sensing. National Park Service, Cultural Resources Management Div., Wash., D.C.

Riedesel, Marvin L. Protein metabolism and urea recycling in rodent hibernators, Federation Proceedings 39:2959-2963. October, 1980. M.L. Riedesel and J.M. Steffen, invited paper for Protein and Fat Metabolism during Mammalian Hypophagia and Hibernation Symposium, The American Physiological Society.

Steffen, J.M., G.L. Rigler, A.K. Moore and M.L. Riedesel. 1980. Urea recycling in active golden-mantled ground squirrels (Spermophilus ralis) Am. J. Physiol. 239 (Regulatory Integrative Comparative Physiology 8): R168-R173.

Taylor, Fritz. Timing in the life histories of insects. Theor. Population Biology. 18:112-124. 1980.

Optimal switching to diapause in relation to the onset of winter. Theor. Population Biology. 18: 125-133. 1980.

Ecology and evolution of physiological time in insects. Amer. Naturalist. in press.

Thornhill, Randy. 1980. Competition and co-existence in Panorpa scorpionflies (Mecoptera: Panorpidae). Ecological Monographs 50:179-197.

1980. Rape in Panorpa scorpionflies and a general rape hypothesis. Animal Behaviour 28:52-59.

1980. Sexual selection within mating swarms of the lovebug, Plecia nearctica (Diptera: Bibionidae). Animal Behavior 28:405-412.

1980. Mate choice in Hylobittacus apicalis (Insecta: Mecoptera) and its relation to some models of female choice. Evolution 34:519-538.

1980. Competitive, charming males and choosy females: was Darwin correct? Florida Entomologist 63:5-30.

1980. Sexual selection in the black-tipped hanging-fly, Scientific American 242:162-172.

Toolson, Eric. 1980. Thermodynamic and kinetic aspects of water flux through the arthropod cuticle. J. Therm. Biol. 5:1-6.

Toolson, E.C., Altenbach, J.S., Hastings, J., Berger, L.R., and Ligon, S. 1980. Principles of Biology. Hunter Publishing Company, Winston-Salem, North Carolina. 79 pp.

Trujillo, John L. Quaternary Structure of Pig Liver Phosphofructokinase by Lawrence G. Foe and John L. Trujillo. J. of Biological Chemistry 255, 10537-10541 (1980).

Vogel, Kathryn G. and Vaughan F. Kendall, 1980, "Cell-Surface Glycosaminoglycans: Turnover in Cultured Human Embryo Fibroblasts (IMR-90)" J. Cell. Physiol., 103:475-487.

Wiens, John A. and J.T. Rotenberry. Patterns of morphology and ecology in grassland and shrub-steppe bird populations. Ecol. Monogr. 50: 287-308.

Rotenberry, J.T., and J.A. Wiens. Temporal variation in habitat structure and shrubsteppe bird dynamics. Oecologia (Berl.) 47:1-9.

Wiens, John A. (continued) Rotenberry, J.T., and J.A. Wiens. Habitat structure, patchiness, and avian communities in North American steppe vegetation: a multivariate analysis. Ecology 61: 1228-1250.

Book Reviews:

Review of "Birds of Pacific Rim National Park" (D.F. Hatler, R.W. Campbell, and A. Dorst). Auk 97: 210.

Review of "A bibliography of British Columbia ornithology, Vol. 1" (R.W. Campbell, H.R. Carter, C.D. Shepard, and C.J. Guignet). Auk 97: 210.

Review of "The dynamics of arthropod predator-prey systems" (M.P. Hassell). Auk 97: 430-431.

Review of "Museum studies and wildlife management. Selected papers (R.C. Banks, Ed.). Auk 97: 431-432.

Review of "The birdhouse book. Building houses, feeders, and baths" (D. McNeil). Auk 97: 650.

Yates, Terry L. Johnson, M.L. and T.L. Yates. 1980. A new Townsend's mole (Insectivora: Talpidae) from the state of Washington. Occ. Papers Mus. Texas Tech Univ., 63: 1-6.

Petersen, K.E. and T.L. Yates. 1980. Condylura cristata. Mammalian Species, 129: 1-4.

Yates, T.L. and R.J. Pedersen. 1980. Moles of the family Talpidae. In Game Mammals and Pests North of Mexico. John Hopkins In press.

Dolan, P.G. and T.L. Yates. 1980. Interspecific variation in Apodemus from the northern Adriatic islands of Yugoslavia. Zeitschrift Fur Säugetierkunde, In press.

Hafner, D.J., K.E. Petersen, and T.L. Yates. 1980. Evolutionary relationships of jumping mice (Genus Zapus) of the southwestern United States. Jour. Mamm., In press.

5. Creative work and research in progress

Altenbach, J. Scott. Ongoing bat functional morphology research - research on the locomotion modes of the bat, Diphylla ecaudata.

Baca, Oswald G. National Science Foundation Grant (PCM8010633); \$149,434 (+ 11,000 UNM matching); "Interaction of intracellular parasites with macrophage-like tumor cell lines"; Sept. 1980 to February 1984.

Public Health Service, National Institutes of Health, MBS Grant; \$47,744; "Intracellular Parasitism and the Cell Cycle"; Sept. 1980 to August 1983.

Barton, Larry L. Completed the Effect of soluble humic complexes on sulfate uptake in Asperigillus niger. submitted to Soil Biology and Biochemistry.

Type 1 Pneumococcal cell wall--induced reduction of circulating granulocytes in New Zealand White Rabbits. submitted to Infection and Immunity.

Microbial activity associated with pollen and seeds in archaeological investigations. (Research supported by National Park Service. \$916.00 Duration June 1-July 15, 1980.)

ONGOING PROJECTS:

Kinetics of sulfate transport in microorganisms. Project supported by NIH: Biomedical Sciences. Advancement Program Duration 10-80 to 10-83, \$58,000.

Energetics of nitrite respiration in bacteria. Research completed at the writing stage.

Characteristics of lactate metabolism in Desulforibrio. Research completed at the writing stage.

Physiology of Mycorrhizal Fungi. on going research--currently not funded.

Currently writing laboratory manual for physiology of bacteria course.

Caldwell, Douglas E. Sandia National Laboratories. \$60,000. Microbial Biogeochemistry of WIPP Wastes. (Sandia Contract #13-9772) November 1, 1979-September 30, 1981.

Cates Rex G. NSF. \$50,000. Plant community structure, plant chemical defenses, and insect population dynamics. 1st year of 3 year grant. Funded.

Forest Service: \$26,800. A determination of the resistance-susceptibility characteristics of Douglas-fir to the western spruce budworm. 1 year. Funded.

Eisenhower Consortium: \$18,200. The identification of dissolved organic chemicals released in wildland streams due to disturbance. 1 year. Funded.

Eisenhower Consortium: \$54,376. Effect of trampling on the forest floor and associated streams of aspen and conifer forests.

Water Resources Institute: \$75,232. The effect of various levels of man induced disturbance on the water quality of forest streams.

NSF: \$34,835. Nitrogen cycle interactions with chemolithotrophic and heterotrophic processes in Mt. St. Helens impacted lakes and hot water seeps. (with J. Baross et al)

NSF: \$88,068. The natural product chemistry of juniper-woodrat interactions. (with T. Vaughan, and C. Slobodchikoff).

\$28,640. A determination of the effects of nitrogen and terpenes on western spruce budworm dynamics. Forest Service. 1 year. Pending.

Crawford, Clifford S. Desert millipede research: gut ultrastructure-microbial association, reproductive effort.

Reviewing manuscript for journals.

Reviewing grant proposals.

Crawford, Clifford S. (continued) Reviewing resumes of Israeli academics being considered for promotion.

Writing papers and a book.

Duszynski, Donald W. Papers completed, but not yet published: Fine structure of the oocyst wall and excystation of Eimeria procyonis from the American raccoon (Procyon lotor). Z. Parasitenkd. Accepted 14 November 1980.

Suppression of inflammation in Eimeria nieschulzi induced coccidiosis in the rat. Parasitology. Submitted 22 August 1980.

Intestinal absorption of B-methyl-D-glucoside in rats infected with Eimeria nieschulzi. J. Parasitol. Submitted 20 August 1980.

The coccidia of quail in the United States. J. Wildl. Dis. Submitted 20 November 1980.

Papers to be submitted in early January 1981:

Who are the Coccidia and do we really know where they live? Proc. 16th Ann. Coccidiosis Conference (D.W. Duszynski, ed.).

The coccidia from rodents in the southwestern United States. 1. Eimerians from jumping mice, Zapus spp.

Ewing, Evelyn P. Mutation-Selection Balance and the Maintenance of detrimental gametes II. Simple epistasis and the effect of environmental heterogeneity: (in prep).

Frequency-dependence in Variable Environments (in prep).

MARC Grant (NIH to Department of Mathematics).

Findley, James S. Analysis of data on Zambian bat communities.

Preparation of chapter for bat ecology book.

Gosz, James R. NSF, \$63,568. An experimental and comparative investigation...into nutrient losses from ecosystems 1980-81.

NSF, \$57,000. Evaluation of $^{87}\text{Sr}/^{86}\text{Sr}$ for quantifying atmos. inputs 1980-81.

Forest Ser. \$25,000. Impacts of trampling on vegetation and water quality, 1980-81.

NSF \$10,000. Experiments on factors controlling decomposition, 1980-81.

Forest Ser. \$18,500. Nutrient and heavy metal transport in sediment 1980.

Forest Ser. \$7,366. Research assessment of non-point pollution 1980.

Johnson, Gordon V. Sandia Laboratories: Los Medanos Project-Soil and Vegetation Studies, 11/79-9/80, \$10,403.

Westinghouse Electric Corp. Los Medanos Project-Soil and Vegetation Studies 10/80-10/81, \$12,538.

Water Resources Research Institute: \$24,654, 10/78-3/80, Role of nitrogen, phosphorus, and iron in occurrence of algal blooms at Abiquiu and Cochiti Reservoirs (with L. Barton).

Kidd, David E. Book chapters completed while on sabbatical: "The 1970's - Progress or Degradation", 33 pp.

"The Legislative Muddle", 24 pp.

"Polychlorinated Biphenyls-an Exercise in Social and Environmental Persistence", 27 pp.

"Drinking Water", 41 pp.

"Protection of Ground Water Legislation and Management", 51 pp.

"Acid Precipitation", 34 pp.

Kidd, David E. (continued) "The Underground Ocean",
17 pp.

"2,3,7,8 - Tetrachlorodibenzodioxin", 27 pp.

In progress while on sabbatical: development of a manual for University of New Mexico Biology 100 - Basic Skills, based on Vygotsky's concept involving "multiple transformations required to 'unfold' inner speech," and Johnson and Johnson's concept of cooperative learning.

Kogoma, Tokio. Research grants: NIH (\$51,900) "DNA Replication in E. Coli; Regulatory Mutants" to Nov. 1981.

NSF (\$50,000) "Regulation of DNA Replication in Prokaryotes" to Nov 1981.

Minority Biomedical Support Grant (NIH) (\$10,800)
"Genetic and Biochemical Studies on Stable DNA Replication in E. coli" to August, 1981.

Ligon, J. David. NSF Grant \$106,000. An evolutionary and ecological study of communal breeding in two species of tropical birds. 2nd yr of 3 years. (with S.H. Ligon).

Contract Research, Westinghouse Corp. - Sandia Labs.
WIPP Project, \$15,069. 1 year.

Ligon, Sandra H. NSF Grant \$106,000. An evolutionary and ecological study of communal breeding in two species of tropical birds. 2nd yr. of 3 years.
(with J.D. Ligon).

Martin, William C. A flora of the Los Angeles Basin, sponsored by the Los Angeles County Museum of Natural History. A checklist of the plants of the Magdalena Mountains. An illustrated flora of central New Mexico. Department of Energy and Sandia Corporation \$12,384, floristics of the Los Medanos site, duration 1 year, renewable. Dept. of Energy and Westinghouse Corp., \$8696, floristics, Los Medanos, 2 months. Heritage Program, \$9,000, 6 months.

Molles, Manuel C. U.S. Army Corps of Engineers.
Survey of the Middle Rio Grande for *Notropis simus*
 (Cope) (\$7,700).

U.S. Forest Service, Eisenhower Consortium. Effect of trampling on the forest floor and associated streams of aspen and conifer forests (\$54,376) with James R. Gosz and Rex Cates.

Potter, Loren D. Research Projects:

1. NPS, \$16,000, Plant ecology of shoreline zone of Rio Grande-Cochiti Lake, Bandelier National Monument, Nov. 1979-June 1981.
2. NPS, \$8,894, Vegetational type mapping and fire history of Cerro Grande Accession, Bandelier National Monument, May 1979-May 1981.
3. DOE, \$8,834, Natural regeneration of ponderosa pine as related to fire history and land use. May 1980-May 1981.

Manuscripts submitted:

1. Manuscript submitted to US Forest Service Rocky Mountain Station, accepted and now in press, Potter, L.D., J.R. Gosz, and C.C. Carlson, Forest Recreational Use, Water and Aquatic Life: An Assessment of Research Results for Land-Use Managers in the Southern Rockies and High Plains. 506 pp. to be published as an Eisenhower Consortium Bull.
2. Manuscript, 14 pp., Sandia Mountain Vegetational Recovery after Wildfire. Submitted for review and publication.

Research Reports:

1. Final report, Forest Recreational Use, Water, and Aquatic Life. Potter, Gosz, and Carlson. U.S. Forest Service, Fort Collins, Colo. Mar. 1980, 506 pp.

Riedesel, Marvin L. NIH-MBS grant, Respiration during Hibernation and Hypothermia, \$18,157/yr 1980-83.

Air Force Office of Scientific Research (AFOSR) grant, \$10,000. Physiological Responses to wearing fire fighter's ensemble on the treadmill, SS, 1980.

AFOSR grant, \$9,999. Oral glycerol solutions as a deterrent to dehydration during heat exposure.

Riedesel, Marvin L. (continued) NIH proposal, Urea Metabolism in Small Non-ruminant Mammals, Submitted Feb. 27, 1980, \$286,980. for 3 yr. not funded.

Taylor, Fritz. Sensitivity of physiological time to variation of its parameters. Submitted to Environmental Entomology.

Mixed diapause strategy in the male Mexican bean beetle, to be submitted to Science.

Thornhill, Randy. In progress: NSF grant, \$62,000, The Evolution of Sexual Differences in Orthoptera (Insecta), 2.5 yrs.

In progress: NSF grant, \$60,000, Ecological Determinants of Mating Behavior, 2.5 yrs.

Toolson, Eric. NSF Grant PCM 78-06804, continued from 1979.

RAC Grant.

Trujillo, John L. Awarded Biomedical Research Support Grant - \$3100 for Isolation and Characterization for mRNA Encoding FDPase from Pig Liver.

H.E.W. Arthritis and Metabolic Diseases, Control of Glycolysis and Gluconeogenesis; PFK-FBPase (AM-19496). \$135,670/3 yrs (Apr. 1978-Mar. 1981)

H.E.W. General Medical Sciences, Structure and Function of Hemoprotein H-450 (GM-24639). In collaboration with Dr. I.C. Kim. \$81,650/2 yrs (Dec 1978-Nov 1980).

Vogel, Kathryn G. grants funded: NIH "Glycosaminoglycans of the Aging Cell:", year 2, \$51,783.00 3/80-2/81 MBS, "Glycosaminoglycans Organization and Attachment for Aging Cells" year 1, \$5,350, 8/80-7/81.

Vogel, Kathryn G., Vaughan F. Kendall and Robert E. Sapien, 1981 "Glycosaminoglycan Synthesis and Composition in Human Fibroblasts during in vitro Cellular Aging" J. Cell. Physiol. (in press).

Wiens, John A. Avian Responses to Environmental Heterogeneity in Arid Shrubsteppe Systems (NSF \$95,900; 1978-1980).

Simulation Modeling of Marine Bird Population Energetics, Food Consumption, and Sensitivity to Perturbation (NOAA, \$105,000; FY79-FY80).

Dynamics of Small Mammal Populations during Post-logging Succession in Southeast Alaska (with B. Van Horne) (U.S. Forest Service, ca. \$57,000, 1977-1980).

Yates, Terry L. National Science Foundation. \$56,500.00 Chromosomal and genic variability in the family Talpidae. 15 June 1980.

New Mexico Dept. of Game and Fish. \$7,349.00. Genic variability in southern New Mexico Pronghorn Antelope, March, 1980.

Research Allocations Committee UNM. \$5,000.00. The extent and nature of coevolution between coccidian parasites and their mammalian hosts as determined by electrophoresis and karyology. (with Donald Duszynski). 1980.

New Mexico Dept. of Natural Resources. \$6,000.00. Computerization of the Division of Mammals, Museum of Southwestern Biology. 1980.

New Mexico Dept. of Natural Resources. \$5,000.00. Township, range and section data for mammal specimens in the Museum of Southwestern Biology. Jan. 1981.

National Geographic Society. \$8,900.00. Evolution and Historical Zoogeography of Japanese and North American Insectivora. Submitted.

6. Activities in learned and professional societies.

Altenbach, J. Scott. Attended meeting of Society of Photo-optical Engineers, 1980.

Baca, Oswald G. Vice President (& President elect) of the New Mexico Branch of the American Society for Microbiology. 1980 Rickettsiology Conference sponsored

Baca, Oswald G. (continued) by the National Institutes of Health at the Rocky Mountain Laboratory, Hamilton, Mt. - title of paper: "Interaction of Coxiella burnetii with macrophage-like tumor cell lines" (Sept. 3-5).

Barton, Larry L. Paper presented at: National Meeting of American Society for Microbiology--Miami Beach, FL. "Kinetics of Sulfate Transport in Desulforibrio gigas" (with I.I. Ruocco).

Paper presented at: American Federation for Clinical Research, Carmel, CA, Feb. 2, 1980.

"Type 1 Pneumococcal cell wall-induced granulocytopenia" (with S.E. Goldblum, W.P. Reed and D.L. Palmer.)

Papers presented at: The American Society of Plant Physiologists and the Phytochemical Society of North America:

1. "Diurnal variation in nitrogen fixation during a cyanobacterial (Blue-green algae) bloom" (with G.V. Johnson and E.W. Foster).
2. "Iron transport in Anabaena flos-aquae: The effect of metal ions. (with G.V. Johnson and E.W. Foster).

Papers presented at: American Society for the Advancement of Science at Las Vegas, Nevada, April 9-12, 1980:

1. "Diurnal variation in nitrogen fixation by blue-green algae in Cochiti Reservoir, New Mexico. (with E.W. Foster and G.V. Johnson).
2. "Transport of Iron by Anabaena" with (G.V. Johnson and E.W. Foster).

Caldwell, Douglas E. Selected as co-sponsor of the 1983 International Symposium on Environmental Biogeochemistry (with Jim and Corale-Lee Brierley).

Elected as Councilor to the American Society of Microbiology by the State Branch of the Society.

Chairman-elect for the Aquatic and Terrestrial Division of the American Society for Microbiology.

Appointed to the editorial board of Applied and Environmental Microbiology.

Caldwell, Douglas E. (continued) Co-authored a paper with D.K. Brannan at the 1980 regional ASM meeting in El Paso, Texas, entitled "Growth Kinetics of Thermothrix thiopara."

Presented a poster at the 1980 National ASM meetings in Miami, Florida, entitled "Associations between cyanobacteria and zoogloea spp. during plankton blooms".

Presided over the Microbial Diversity session at the 1980 National ASM meetings in Miami, Florida.

Co-authored a paper with D.K. Brannan at the 1980 National ASM meetings in Miami, Florida, entitled "Thermothrix thiopara: Growth and metabolism of a sulfur-oxidizing thermophile".

Cates, Rex G. Member of the nominating committee of the Ecological Society of America.

Member of Evolution and American Naturalist Societies.

Invitation to Gordon Research Conference: Invited paper "Chemical Defenses, Resource Predictability, and Insect Population Dynamics".

Invitation to Western Spruce Budworm Working Group Meetings. Results of research given in the Workshop on Insect Population and Stand Dynamics.

Invited seminar to Univ. of South Carolina. Biology Department. "Resource predictability plant defenses, and herbivore population dynamics".

Invited seminar to Univ. of Oklahoma, Zoology Department. "Herbivore feeding patterns in relation to plant chemical defenses".

Crawford, Clifford S. "Seasonal biology of a desert millipede," invited seminar, Zoology Dept., Hebrew University of Jerusalem, April 18.

"Timing of reproductive effort in arthropods relative to the length of their reproductive lives," invited talk, Rehovot Agricultural Institute, Israel, May 12.

Crawford, Clifford S. (continued) "Water balance, reproductive effort, and detritivory in a desert millipede," invited seminar, Zoology Department, Tel-Aviv University, June 4.

"Physiological adaptations of desert detritivores," invited symposium paper, Ecological Society of America national meeting, Tucson, August 5.

Duszynski, Donald W. Meetings attended: 16-19 April. 13th Annual Meeting, Southwestern Association of Parasitologists, Lake Texoma, OK (with 5 students).

1-4 May. 12th Annual Meeting, Rocky Mountain Conference of Parasitologists, Laramie, WY (with 4 students).

4-8 August. 55th Annual Meeting, American Society of Parasitologists, Berkeley, CA.

5 August. 16th Annual Coccidiosis Conference, Berkeley, CA.

Offices held: President, Southwestern Association of Parasitologists; President, Rocky Mountain Conference of Parasitologists; Advertising Editor, Journal of Protozoology.

Papers presented: Life cycle of Eimeria funduli infecting killifishes at 12th RMCP meeting.

Ewing, Evelyn P. Population Genetics Workshop, June, 1980, Stanford University (invited participant).

SACNAS Conference, November, 1980, Albuquerque, New Mexico.

Findley, James S. Elected President of American Society of Mammalogists at June meeting held at Univ. Rhode Island.

Gosz, James R. Papers read: AIBS National Meeting; Seminars at Colo. State Univ. Univ. of North Carolina, Dartmouth College; Participation in international organizations-SCOPE (Sweden), International Congress of Botany (Australia, 1981), International Congress

Gosz, James R. (continued) of Ecology-Session
Convener (Poland, 1982).

Executive Committee of New Mexico Energy Institute,
Advisory Board of New Mexico Energy Institute,
Governor's Advisory Committee on WIPP.

Johnson, Gordon V. Posters presented at Annual
Meeting of American Society of Plant Physiologists,
Aug. 1980, Pullman, Wash.: Johnson, G.V., L.L.
Barton, and E.W. Foster. Diurnal variation in
nitrogen fixation during a cyanobacterial (blue-
green algal) bloom. Abstract published in Plant
Physiology 66S:109.

Foster, E.W., G.V. Johnson, and L.L. Barton. Iron
transport in Anabaena flos-aquae: the effect of
metal ions. Abstract published in Plant
Physiology 66S:151.

Papers presented at Southwestern and Rocky Mountain
Division of American Association for the Advancement
of Science, May 1980, Las Vegas, Nevada:

Johnson, G.V., L.L. Barton, and E.W. Foster.
Diurnal variation in nitrogen fixation by blue-green
algae in Cochiti Reservoir, New Mexico. Presented by
G.V. Johnson.

Foster, E.W., G.V. Johnson, and L.L. Barton. Trans-
port of iron by Anabaena. The effect of metal ions.
Presented by E.W. Foster.

Gage, C.C. and G.V. Johnson. Nitrogen mineralization
potential of soils from two Chihuahuan Desert plant
communities. Presented by C.C. Gage.

Member and secretary of Committee on Desert and
Arid Zone Research, Southwestern and Rocky Mountain
Division of American Association for the Advancement
of Science.

Kidd, David E. Coauthor of paper presented by
Steven Gloss at a reservoir conference held in
Minneapolis, June 1, 1980, Lake Powell."

Kidd, David E. (continued) Invited seminar, Science Education Center, University of Texas, "Basic Skills Program in Natural Science at The University of New Mexico," 25 September.

Director of Chautauqua Satellite Workshop Center at The University of New Mexico, Spring 1980.
Sponsored by the American Association for the Advancement of Science/National Science Foundation.

Director of Chautauqua Satellite Workshop Center at The University of New Mexico, Fall 1980.

Director of the Outstanding Biology Teacher Award Program in the State of New Mexico. Sponsored by the American Association of Biology Teachers.

Evaluator of National Science Foundation Reports in the areas of Engineering and Science.

Kogoma, Tokio. Meetings attended:

1. 9th Annual ICN-UCLA Symposia on Molecular and Cellular Biology, Mar, 1980.
2. Southwestern MBS Symposium (Mar, 1980).
3. New Mexico-Texas Bi-State Branch Meeting of the American Society for Microbiology (Oct, 1980).

Papers presented at meetings:

1. Tokio Kogoma, "Isolation and Characterization of a Conditional-lethal Sdr Mutant of Escherichia coli" at ICN-UCLA Conference (Keystone, CO, Mar, 1980).
2. Leonard Tsosie and Tokio Kogoma, "A Study on Colicinogenic Factor El: Production of Colicin El and Transformation with Col El DNA", at Southwestern MBS Symposium (Socorro, NM, Mar, 1980).
3. Nelda L. Subia and Tokio Kogoma, "Plasmid Replication in a Stable DNA Replication Mutant of E. coli", at Southwestern MBS Symposium (Socorro, NM, Mar, 1980).
4. Nelda L. Subia and Tokio Kogoma, "Hybridization used to characterize the DNA of a Stable DNA Replication Mutant in Escherichia coli", at National MBS Symposium (Atlanta, GA, Apr, 1980).
5. Tokio Kogoma, "Genetic Studies on an E. coli

Kogoma, Tokio. (continued) Mutant (sr^C) Capable of DNA Initiation in the Absence of Protein Synthesis", at ASM Branch Meeting (El Paso, TX, Oct. 1980).

6. T.A. Torrey and Tokio Kogoma, "Requirement for recA⁺ Gene Product in Initiation of DNA Replications in E. coli K12", at ASM Branch Meeting.
7. N.L. Subia and Tokio Kogoma, "Absence of F Plasmid Replication in an Sdr^C Mutant of E. coli in the Absence of Protein Synthesis", at ASM Branch Meeting.
8. M.J. Connaughton, M.S. Schramm and Tokio Kogoma, "Stable DNA Replication in Temperature-insensitive Revertants of a dnaE mutant of E. coli", at ASM Branch Meeting.
9. D.C. McElroy and Tokio Kogoma, "recA⁺ lexA⁺-dependent Increase in Cell Diameter of E. coli upon Nutritional Shiftup", at ASM Branch Meeting.
10. Leonard Tsosie and Tokio Kogoma, "Plasmid-mediated Transformation in E. coli", at the SACNAS (Society for Advancement of Chicanos and Native Americans in Science) Conference (Albuquerque, NM, Nov 1980).
11. Nelda L. Subia and Tokio Kogoma, "Plasmid Replication in the Absence of Protein Synthesis in a Stable DNA Replication Mutant of Escherichia coli", at the SACNAS Conference (Albuquerque, NM, Nov 1980).

Ligon, J. David. Paper presented at the 98th annual meeting of the American Ornithologists Union (with S.H. Ligon).

Chairman, Committee for election of Elective Members and Fellows. A.O.U. 1979. Not previously reported.

Ligon, Sandra H. Paper presented at the 9th.

Paper presented at the 98th annual meeting of the American Ornithologists' Union (with J.D. Ligon).

Molles, Manuel C. "Recovery of stream invertebrates from disturbance resulting from a flash flood."

Presented to Ecological Society of America Meeting. Tucson, Arizona. August 1980.

Potter, Loren D. President-Elect of the Eisenhower Consortium for Western Environmental Forestry Research of nine western universities and U.S. Forest Service.

Attended annual meeting of Mineral Waste Stabilization Committee, July 1980.

Submitted paper with Lynn Marple for Special Symposium on Natural Radiation Environment, Bombay, India on, "Radium-226 in Plants and Substrates at Inactive Uranium Mill Sites in the Southwestern United States."

Hosted fall meeting and field trip for university delegates and Forest Service of Eisenhower Consortium.

Invited lecture on, "Environmental Considerations of Energy Development" to National meeting of Science Teachers of America on Energy Development, Albuquerque, Oct. 1980.

Riedesel, Marvin L. Hicks, J.W. (Sponsor, M.L. Riedesel). paper presented, "Changes in Air Convection Requirement of Garter Snakes during Day and Night", American Physiol. Society, FASEB, April, 1980.

Riedesel, M.L. and J.M. Steffen. 1980. Abstract. Potential metabolic adjustments by mammals in aridlands. Jour. of Arizona-Nevada Acad. Sci. 15:7. (56th Ann. Mtg. SWARM div. AAAS with 24th Ann. Mtg. AZ-NV Acad. Sci. 9-12 April, Las Vegas, NV, Arid Zones Studies Section) Proceedings Supplement.

President Elect - UNM Chapter Sigma Xi

Nominated by nomination committee for President Elect, SWARM, Dec. 1980.

Representative for the State of New Mexico to AIBS.

Attended, Sigma Xi, National Meeting, 10-13 Oct., 1980, UNM Chapter delegate.

Taylor, Fritz. Ecological Society of America, annual meeting, Tucson, AZ, 1980. Address titled: "Optimal switching to diapause in relation to the onset of winter".

Taylor, Fritz. (continued) Entomological Society of America, annual meeting, Atlanta, GA, 1980. Address titled: "Optimal switching to diapause in relation to the onset of winter".

Thornhill, Randy. 1980. Animal Behavior Society meeting, Fort Collins, Colorado. Invited Paper entitled, "Female Choice."

1980. Society for the Study of Evolution, Tucson, Arizona. Invited Paper entitled, "Sperm Competition as a Selective Force in Scorpionflies."

1980. Entomological Society of America, Atlanta, Georgia. No paper presented.

Toolson, Eric. Paper presented to American Society of Zoologists. Title: "Cuticular permeability and epicuticular lipid composition in the cicada Tibicen marginalis."

Trujillo, John L. Presented research work - 71st Annual Meeting - American Society of Biological Chemists and Biophysicists - 24th Annual Meeting, June 1-5, 1980, New Orleans, LA. Abstract 3178. Quaternary Structure of Pig Liver Phosphofructokinase.

Vogel, Kathryn G. and D.W. Peterson, "A Preliminary Characterization of the Proteoglycans found in the Medium and Cell Layer of Human Embryo Fibroblasts in Culture", Western Connective Tissue Society, May 1980, San Diego, CA.

Vogel, K.G., V.F. Kendall, R.O. Kelley, R.E. Sapien, C. Stewart and D.W. Peterson, "Alteration in Glycosaminoglycan Synthesis and Fibronectin Fibril Formation Accompany in vitro Cellular Aging. American Society for Cell Biology, Natn'l Mtg., Cincinnati, Ohio; November 1980.

Kramer, R.H., Vogel, K.G. and G.L. Nicolson, "Degradation of Vascular Endothelial Extracellular Matrix by Metastatic Tumor Cells", American Society for Cell Biology, Cincinnati, Ohio; November 1980.

Wiens, John A. Editor, The Auk (Journal of the American Ornithologists' Union)

Annual meeting of the American Ornithologists' Union, Fort Collins, CO (August); delivered papers on "The structure of Sage Sparrow songs: individual and population variation" and "Temporal variation in habitat structure and shrubsteppe bird dynamics: the 'Checkerboard' model" (with J.T. Rotenberry).

Member of Council, American Ornithologists' Union.

Invited Discussant, Conference on Macroevolutionary Theory, Chicago (October).

Member of Steering Committee, Symposium on Estimating the Numbers of Terrestrial Birds.

Presented papers at above symposium on "Censusing and the Evaluation of avian habitat occupancy" (with J.T. Rotenberry) and "Scale problems in censusing"; chaired concluding session of symposium.

Invited participant (with J.T. Rotenberry), Workshop on The Use of Multivariate Statistics in Studies of Wildlife Habitat, Vermont (April); paper on "A new approach to Principal Component Analysis of bird/habitat relationships: new factor scores from old data".

Yates, Terry L. Papers presented: Rate of enzyme denaturation in selected mammals following death. American Society of Mammalogists annual meeting Kingston, Rhode Island.

Geographic variation in Scapanus townsendii (Talpidae: Insectivora) Southwestern Association of Naturalists annual meeting. Las Cruces, New Mexico.

Regional and National Committees:

1. National Committee on Systematic Collections, American Society of Mammalogists. 1978-present.
2. Finance Committee (Chairman), Southwestern Association of Naturalists. 1979-present.

7. Other Professional Activities

Altenbach, J. Scott. Consultant for National Geographical Society on preparation of book on mammals.

Consultant for Union Geothermal Corp. - Baca Geothermal project.

Baca, Oswald G. Invited seminar at California State University - Los Angeles, Dept. of Chemistry, June 1980. Entry and fate of Coxiella burnetii in several tumor cell lines.

Invited seminar at the UNM Medical School, Dept. of Microbiology, Oct. 1980. Interaction of Coxiella burnetii with macrophage-like tumor cell lines.

Caldwell, Douglas E. Consultant to Los Alamos Scientific Laboratories.

Cates, Rex G. Reviewer of Doctoral Thesis: University of Australia, Department of Biochemistry.

Reviewer for following journals: Auk, Ecology, Amer. Naturalist, Science, J. Chem. Ecology, Amer. J. Botany, Amer. Midl. Naturalist, Oecologia.

Reviewer for following funding agencies: USDA and SEA (Department of Agriculture).

Crawford, Clifford S. Testifying before City Council Planning Subcommittee and Council itself on need to preserve LaRinconada canyon, West Mesa. November.

Duszynski, Donald W. Chairman, 16th Annual Coccidiosis Conference, 5 Aug. Berkeley, CA; Member, Editorial Advisory Committee, Society of Protozoologists.

Findley, James S. Reviewer for various journals and NSF proposals.

Johnson, Gordon V. Presented talk to gifted student program on photosynthesis, Sandoval Elementary School, Nov. 1980.

Kidd, David E. "Toxic Substances in the Environment,"
Two day workshop presented at each of these sites:
Pennsylvania State University, February, 21-22;
University of Miami (Ohio), February 18-19;
University of Hartford, February, 28-29.
Sponsored by the American Association for the
Advancement of Science/National Science Foundation
Chautauqua Program. Copresenter: William Hadly.

"Water Pollution," Two day workshop presented at
each of these sites: University of Texas, October
16-17; Parkland College (Champaign, Illinois), October
23-24; Christian Brothers College (Memphis, Tennessee),
October, 27-28; Santa Ana College, November, 24-25.
Sponsored by the American Association for the
Advancement of Science/National Science Foundation,
Chautauqua Program.

Ligon, J. David. Three invited seminars: Northern
Arizona University, University of Texas-El Paso,
University of Arizona.

Ligon, Sandra H. National Geographic Society
Consultant on the Sirenia.

Martin, William C. Off-campus talks to many local
groups as a community service.

Research Associate--Los Angeles County Museum of
Natural History.

UNM Speakers Bureau.

Potter, Loren D. Review of 53 research proposals
for US Forest Service.

Consultant as expert witness on forest ecology
problems.

Review of manuscript, Energy Resource Recovery in
Arid Lands for UNM Press.

Riedesel, Marvin L. Seminars presented: "Urea
Metabolism in Spermophilus lateralis" to Heat
Stress Group, School of Aerospace Medicine, Brooks
Air Force Base, TX. 6/23.

Riedesel, Marvin L. (continued) "Physiological Responses to Wearing Fire Fighter's Ensemble on the Treadmill School of Aerospace Medicine, Brooks Air Force Base, TX, 7/25/80.

Urea Metabolism in Mammalian Hibernators, Dept. Physiol. UNM, Oct. 27, 1980.

Taylor, Fritz. Faculty participant in Minority Access to Research Careers (MARC) funded by NIH through the Department of Mathematics and Statistics, Dr. R. Griego.

Thornhill, Randy. A. Off-campus research talks (1980):

1. Institute of Ecology, Univ. California, Davis.
2. Dept. of Entomology, Univ. California, Riverside.
3. Dept. of Biology, Univ. of Syracuse.
4. Dept. of Biology, Univ. New York (Albany).
5. Rockefeller Univ.
6. Dept. Zoology, Colorado State Univ.
7. Dept. Zoology, Univ. of Oklahoma.
8. Dept. Ecology & Evolution, Univ. of Delaware.

B. Serving on advisory panel of NSF (Psychobiology).

Trujillo, John L. Seminar - Dept. of Biology, Fall, 1980. Purification and Properties of a PFK-Activating Factor from Pig Liver.

Seminar - Dept. of Pediatrics - Fall 1980: Purification and Properties of a PFK-Activating Factor from Pig Liver.

Wiens, John A. Invited seminars, Cal Poly University (January), Michigan State Univ. (Feb.), USF&WS Northern Prairie Wildlife Research Center, North Dakota (February), Univ. Arizona (March), Oklahoma State Univ. (September), Cornell University (November), Univ. Michigan (November), Univ. West Virginia (December); delivered Sigma Xi lecture on Recent Advances in Scientific Research at UNM (March).

Yates, Terry L. Featured speaker Annual meeting of the Nature Conservancy New Mexico.

Yates, Terry L. (continued) Hosted meeting for state game and fish dept. to promote non-game research and legislation.

Participated in senate and congressional hearings on the status of the Bobcat in New Mexico.

8. Non-Teaching University Service

Altenbach, J. Scott. Chairman Undergraduate Curriculum Committee. Biology - Extensive work in establishing a new core curriculum.

Baca, Oswald G. UNM Institutional Biosafety Committee (member).

Graduate Policy Committee, Biology Dept. (member).

Health Sciences Advisory Committee (member).

Member of the Policy Board of UNM's Southwest Hispanic Research Institute (appointed by Provost Hull, Sept. 1980).

UNM Ambassador Program: presentations on behalf of UNM at Belen, Socorro, Los Lunas, Jemez (October-December); coordinated by the Office of School Relations.

Speaker at the UNM Athletic Department's Visitation Day Program for prospective football athletes. Conducted by Coach J. Morrison. July 24, 1980.

Science Fair Judge at the Regional Science Fair held at UNM. March 21, 1980.

Recruitment trip for the UNM Graduate School to the Lower Rio Grande Valley, Texas. May 1980.

Coordinator of the Microbiology Laboratory Program (Teaching).

Barton, Larry L. Graduate Committee: John Heidrich - completed Advisor for Howard Kvivan-undergraduate honors thesis in biology.

Bourne, Earl W. Student Standards Committee. Premedical Advisory Committee, Premedical Advisor.

Cates, Rex G Member of the University Research Allocations Committee. Member of department committees: Greenhouse and Waste Disposal. Faculty advisor for undergraduate biology majors. Faculty advisor for 4 doctoral and 3 master students.

Crawford, Clifford S. Major advisor, 1 doctoral and 1 masters student. On committees of several others.

Co-advisor (unofficial at present) of a doctoral student at Technion Institute.

Member, A&S Committee on Academic Policy and Curriculum.

Duszynski, Donald W. Member, A & S Promotions Committee;

Department of Biology, Pre-vet Advisor.

Ewing, Evelyn P. Ph.D. Committee for M. London.

Regional Science Fair Judge.

Findley, James S. Chaired biology department, Advised 5 doctoral and 2 MS students: thats teaching but you don't provide space for that on this form.

Gosz, James R. Advisor of 4 grad students, chairman of 3 Department committees.

Johnson, Gordon V. University Committee: Radiation Control Committee. Departmental Committee: Faculty and Graduate Assistant Teaching Evaluations. Graduate Student Committees (completing in 1980) N. Subia, T. McMurray.

Johnson, William W. Chairman, Admissions and Registration Committee, Faculty Senator, Transfer Student Adviser (Biology), Liason Rep. with the General Library, United Fund Rep. (Biology), Departmental Curriculum Committee.

Kogoma, Tokio. Institutional Biosafety Committee.

Ligon, J. David. Member and Chairman (Fall Semester) Graduate Policy Committee, Department of Biology.

Major Advisor, 3 doctoral students.

Martin, William C. Member of the Governors Committee on threatened and endangered species.

Curator of the Herbarium and Museum of Botany, UNM Preforestry advisor.

Departmental grievance committee Member of Sandia Colloquium committee.

Molles, Manuel C. Curator of The University of New Mexico Fish collection, began computerizing the collection this year.

Potter, Loren D. Departmental Grievance Committee. Usual student advisement.

Riedesel, Marvin L. University Committees; Chairman, Health Sciences Advisory Committee, Spring, 1980.

Member, Human Care of Lab Animals, 1976-present.

Ph.D. Committee on Studies - Completed:
Michelle Burkstaller, Co-chairman, Joseph Steffman, Chairman, Steve Silbaugh, Co-chairman.

In progress: Karen Carlberg, Chairman, Sharon Walker Felicetti, Co-chairman, Reed Hoyt, Member, Dept. Physiol., UNM Med Sch.

M.S. Plan I - In progress: Sue Likens, Co-chairman, Joseph Michael, Chairman.

M.S. Plan II - In progress: David Williams, Member.

Thornhill, Randy. Major faculty advisor of committees of 3 Ph.D. students.

Committee member on committees of 4 students.

Toolson, Eric. Chairman - Graduate Admissions and Support Committee; Member - Undergraduate.

Curriculum Committee; Member - Physiology Curriculum Committee.

Trujillo, John L. Minority Biomedical Grant - Member of Advisory Council.

Biology Dept. Committee for Teaching and Research Equipment (Bond Money).

Vogel, Kathryn G. UNM Faculty Senate Member (1980-1982).

Graduate Admissions Committee, Dept. of Biology.

MBS National Meeting in Albuquerque, April 1981 - Member; National Advisory Committee.

Wiens, John A. Faculty advisor to 4 PhD students and 1 MS student at UNM, 2 PhD students at Oregon State Univ.; member, Biology Department Graduate Policy Committee; member A&S Graduate Committee.

Yates, Terry L. Member Graduate Policy Committee; Member biology computer committee; Chairman Biology Dept. Parents Day Committee; I currently have 4 PhD students and one Masters student.

9. Public Service

Altenbach, J. Scott. One 30-min talk at Monte Vista Elementary School - on bats.

One 30-min tour of research facilities.

Barton, Larry L. Boy Scout Leader and Active in Little League baseball.

Cates, Rex G. Member of the Albuquerque State Presidency of the Mormon Church. Member of Troop 5 Scout Committee.

Ewing, Evelyn P. Easter Seals Volunteer.

Gosz, James R. 4-H Club Leader.

Johnson, Gordon V. Judge State Science Fair,
4-H Club Project Leader.

Martin, William C. Non-paid consultant--Poison
Control Center.

Riedesel, Marvin L. Judge, New Mexico Regional
Science Fair.

Vogel, Kathryn G. Troop Leader, Girl Scout
Troop 761.

Wiens, John A. Basketball coach, YBA; Awards
Chairman, Cub Scout Pack 460.

10. Personal Information

Cates, Rex G. 4 children.

Duszynski, Donald W. Married Suzanne Lynn Gordon
on 29 November 1980.

Ewing, Evelyn P. Marital status--single.

Ligon, J. David. New Child--20 September 1980.

Ligon, Sandra H. New Child--20 September 1980.

Wiens, John A. Separated.

Yates, Terry L. One child born Oct. 16 (Michael
Ryan).

FY 1976-77			FY 1977-78			FY 1978-79			FY 1979-80			FY 1980-81		
P.I.	Agency	Amt	P.I.	Agency	Amt	P.I.	Agency	Amt	P.I.	Agency	Amt	P.I.	Agency	Amt
Gosz	WRRI	\$ 8,335	Gosz	FS	\$ 8,700	Wiens	FS	\$ 16,070	Thornhill	NSF	\$ 59,741	Vogel	NIH	\$ 46,700
Johnson	WRRI	15,987	Baca	NSF	50,300	Wiens	NOAA	9,238	Trujillo	NIH	57,893	Ligon	NSF	32,500
Cates	NSF	55,400	Johnson/ Barton	WRRI	19,771	Johnson, Barton	WRRI	24,654	Wiens	NOAA	55,000	Gosz	NSF	5,424
Gosz	IV	64,924	Potter	FS	17,000	Gosz	FS	30,000	Trujillo	NIH	54,115	Baca	NSF	45,085
Gosz	FS	12,000	Caldwell, Johnson, Ligon, Martin	Sandia	104,836	Caldwell, Johnson, Ligon, Martin	Sandia	125,496	Gosz, Brookin	NSF	57,091	Gosz	FS	7,366
Molles	FS	7,000	Trujillo	NIH	66,510	Wiens	NSF	15,799	Thornhill	NSF	62,454	Martin, Yates	NM	15,000
Kidd PK, JT) -- OB, DC)	ETA	37,000	Potter	NPS	6,936	Caldwell	Sandia	78,234	Hafner	NMGF	1,935	Molles	USC	7,700
Kerkof	NSF	45,000	Toolson	NSF	55,200	Trujillo	NIH	56,314	Cully	NPS	24,300	Johnson, Ligon Martin	Westing- house	60,051
Cates	FS	9,000	Cates	FS	18,000	Vogel	NIH	64,841	Wiens	FS	9,415	Vogel	HEW	35,994
Potter	FS	25,000	Gosz	FS	12,000	Gosz	Eisen.	30,000	Caldwell, Johnson, Ligon, Martin	Sandia	132,581	Trujillo	HEW	3,100
Findley	BIA	14,505	Kogoma OB, PK)	HEW	32,000	Cates	Eisen.	30,000	Potter	NPS	16,000	Kim	HEW	2,522
Martin	BIA	9,821	TK, JT)	MBS	96,201	Wiens	NSF	95,909	Kogoma	HEW	35,000	Riedesel	USAF	9,999
Scott	FS	9,980				Ligon	NSF	50,849	Vogel	NIH	51,783	Wiens, Cates	NSF	165,514
Ligon	NSF	31,400				Kogoma	HEW	35,953	Cates	NSF	50,000	Molles	FS	54,376
Ligon	NMGF	2,500				Potter	FS	8,994	Gosz	NSF	57,091	Gosz	NSP	99,000
Thornhill	NMGF	600				Cates	FS	19,000	Cully	Smithso.	2,116	Caldwell	NFS	10,342
Thornhill	NSF	35,000				Potter	FS	6,920	Gosz	Eisen.	25,000	Taylor	NSF	66,816
Scott	NFWL	2,475				Kogoma	NSF	50,000	Potter	LASL	6,000	Potter	DM	45,413
						Wiens	OSU	8,300	Gosz	Woods.	9,975	Ligon	NSF	27,858
						Gosz	IU	60,593	Yates	NSF	56,500	Moore	NSF	1,088
						OB, PK)		62,654	Cates	FS	26,800	Johnson	FS	9,875
						TK, JT)			Ligon	NSF	24,816	Kogoma	HEW	51,869
									Gosz	IU	57,050	Gosz	UNC	47,204
									Trujillo	HEW	14,000	Trujillo	HEW	35,919
									Cates	Eisen	18,200	Baca	MBS	28,206
									Gosz	NSF	57,091	Barton	MBS	19,485
									Baca	MBS	17,985	Duszynski	MBS	28,554
									Kerkof	MBS	24,416	Kerkof	MBS	37,063
									Kogoma	MBS	13,062	Kogoma	MBS	7,440
									Trujillo	MBS	17,113	Riedesel	MBS	12,355
												Trujillo	MBS	16,030
												Vogel	MBS	7,390
														\$1,043,238

GRAND TOTAL	\$3,861,187
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THE REPORT OF THE DEPARTMENT OF CHEMISTRY

July 1, 1980 to June 30, 1981

Guido H. Daub, Chairman

I. General Departmental Information

A. Significant Achievements During the Academic Year 1980-81

During the year 1980-81, nine (seven males and two females) undergraduate majors received the B.S. Degree and two male students received the B.A. Degree in Chemistry. A total of sixty students (thirty-nine males and twenty-one females) received a minor in Chemistry. At the graduate level, there were twelve students, (seven males and five females) who received the M.S. in Chemistry and nine students (seven males and two females) who received the Ph.D. in Chemistry. The following tables list the names of the students who received either a major in Chemistry or a graduate degree in Chemistry. It should be pointed out that of the B.S. majors, one of these will go on to graduate school to study chemistry at California Institute of Technology at Pasadena, California. Two students are on waiting lists for medical school.

Students Receiving the B.S. Degree in Chemistry in 1980-81

Diane Schneider	Eric L. Loucks	David T. Stewart
Vilija N. Avizonis	Calvin Beard	Calvin W. Harlan
Brian L. Maschhoff	Gary L. Snyder	Michael I. Toubbeh

Students Receiving a B.A. Degree in Chemistry in 1980-81

Douglas Egli	Chris Crafts
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Students Completing the Master's Degree in Chemistry 1980-81:

Yolanda Jones	Rajesh H. Turakhia	Selma P. Wilson
John R. Witcofsky	Scott M. Bowen	Linda J. Caudle
Alice E. Hemingway	Larry D. Hutchins	Betty J. Nusser
Stanley D. Roberts	Hossein Sharifian-Attar	I. Robert Silverman

Students Completing the Doctor of Philosophy Degree in Chemistry in 1980-81:

<u>Name</u>	<u>Status</u>
James C. Ball	Postdoctoral fellow, Chemical Carcinogenics Lab, Michigan State University
John P. Erspamer	Research Chemist, Buckeye Cellulose, Memphis, Tenn.
Sandra E. Klassen	Research Chemist, Sandia National Laboratories, Albuquerque, New Mexico
Doreen M. Mehs	Head, Department of Chemistry, Ft. Lewis College, Durango, Colorado
Richard B. Ortega	Postdoctoral fellow, University of New York, Buffalo, New York
Ronald R. Ruminski	Postdoctoral fellow, Erindale College, University of Toronto, Mississauga, Ontario, Canada
Donald R. Tryk	Postdoctoral fellow, Case Western Reserve University, Cleveland, Ohio
James R. Wilson	Research Chemist, BASF Industries, Wyandotte, Michigan
Peter R. Schonberg	In private business

The Department has recently been notified by the National Science Foundation that our proposal asking for matching funds to purchase a gas chromatograph mass spectrometer has been approved. Final approval should be received by August 15, 1981, and we expect to receive formal notification that the Department is to receive \$87,000 from the National Science Foundation for the purchase of this needed piece of equipment. Professor Hollstein was responsible for the preparation of this proposal and other members of the Department contributed to its contents. Matching funds of \$87,000 or more will be supplied through the second year's allotment of the bond issue support for purchase of research equipment for the sciences and engineering. Chemistry's allotment for the second phase of that money will be \$250,000. The Department over-spent its allotment for 1980-81 by \$10,000 so we have \$240,000 to work with for the current year.

The Department's grant from the National Science Foundation for the purchase of a Fourier Transform Infrared Spectrometer was received in August of 1980, in the amount of \$58,000. Matching funds were provided from Chemistry's first year allotment of the science and engineering equipment bond money to the extent of \$60,524, and a research grant of Fritz Allen's from NIH, amounting to \$1856. The total cost of the instrument was \$120,380. The equipment was ordered and delivered in approximately April of 1981. Professor Paine was responsible for the preparation of the proposal and other members of the Department contributed to its content.

The Department is continuing to improve its position in providing quality equipment for use in research and instruction both at the graduate and undergraduate levels through the use of funds provided by the University. Both the Instructional Bond and the Science and Engineering Equipment Bond Issues are being used for this purpose. We just received \$30,000 as the 1980-81 allotment of the Instructional Bond Issue. It will be used to further update the undergraduate laboratories of Chemistry 131L-132L (Honors General Chemistry, 253L (Quantitative Analysis), and 309L-310L (Organic Chemistry Laboratory for B.S. majors). The \$200,000 supplied through the Science and Engineering Equipment Bond Issue was matched with funds obtained by the Department in the amount of \$88,680. These matching monies came from the National Science Foundation equipment grant (see previous paragraph) and individual research grants of individual faculty members (F.S. Allen, W.F. Coleman, C.J. Morrow, R.T. Paine, S.M. Park). The Department will continue to seek matching funds to supplement these Bond Issue Monies. As reported earlier a grant for \$87,000 is in the mill from the National Science Foundation as matching money for the purchase of a \$174,000 G. C. Mass Spectrometer. For 1980-81 the Department, through the efforts of its faculty, has raised from outside sources \$390 in matching funds for every \$1000 supplied by the Equipment Bond Issue. Some of the major items of equipment purchased using the 1980-81 Issue include the Fourier Transform Infrared Spectrometer, Ultra-centrifuge, Eximer Laser, Argon Ion Laser, two Gas Chromatographs, Monochromator, Closed Cycle Refrigerator, Dye Laser, and others.

The Department's collaboration with the Los Alamos Scientific Laboratory is continuing in that several faculty hold the position of consultant or visiting staff member, short term, with the Laboratory.

Enrollments in Chemistry have shown only a very slight change over the 1979-80 academic year and for all practical purposes, we can say that enrollments are holding up well. Hopefully, we will be able to reduce the sizes of some very large classes we have had in the past. We hope to eventually level off the organic chemistry (301 and 302) to a more manageable size in the near future. Some of these sections have been running in excess of 150 students and should be leveled off to approximately 75 or less students per section. We also intend to reduce the size of our quantitative analysis lecture sections and freshman chemistry lecture sections. This will not be possible without an increase in the size of our staff. Not only should we reduce the size of some of these classes, but we must make more significant progress on reducing teaching loads for individual faculty members, especially those heavily engaged in research and the direction of graduate student research.

The Biochemistry Program sponsored with the Department of Biochemistry in the School of Medicine, still appears to be functioning reasonably well. We have had a certain amount of collaboration between Chemistry and Biochemistry faculties, especially in the area of research. We hope this joint venture continues and that the bond between the two departments becomes stronger in the future.

During the 1980-81 academic year, the Department continued to use student help to provide a combined wood and metal shop technician. This certainly has been inadequate, especially with respect to metal working. The need for a machinist and machine shop facility for Chemistry still exists and every effort should be made to allow us to have these kinds of facilities available. Recently help has been provided in this area through the efforts of Vice Provost Scaletti in that the Physics Department has added another machinist to its shop. This additional machine shop technician in the Physics Department Shop is doing work for Chemistry. In the future Chemistry should have a full-time shop technician as a staff member.

During the school year 1980-81, the Chemistry Department's Seminar Program was financed by donations from Alumni and other interested parties the Overhead Return Account and the Departmental Supplies and Expense Budget. This program was also funded through the auspices of the University of New Mexico Colloquium Committee in the amount of \$1450. The amount supplied from the Overhead Return Account and the Supplies and Expense Budget for the academic year 1980-81, was approximately \$3670. Approximately \$690 was used from the Seminar Account toward the expenses of the Seminar speakers. An estimate of the total cost of this program for the 1980-81 year was approximately \$5800. The Seminar speakers and titles of their talks for the 1980-81 year are shown in the following table.

Dr. Reinhard Schmutzler September 15, 1980	"Coordination Chemistry Involving Phosphorus Ligands"	Technischen Universitt Braunschweig, Germany
Dr. Ilya Prigogine September 19, 1980	"From Deterministic to Probabilistic Description"	University of Texas, Austin
Dr. Gerald Robbins October 3, 1980	"Polypropylene"	Gulf Oil Chemicals Houston, Texas
Dr. James K. Baird October 15, 1980	"Chemistry of Excess Electrons in Gases and Liquids"	Oakridge Nat Lab
Dr. Robert Libby October 30, 1980	"Law of Supply and Demand as it Affects PHD Chemists"	Proctor & Gamble
Dr. Ralph Adams November 7, 1980	"Electrochemistry in Living Brain Systems"	Univ of Kansas
Dr. Donald Leyden November 14, 1980	"Chemical and Spectroscopic Studies and Analytical Applications of Chemically Modified Surfaces"	Univ of Denver
John Powell Daub November 18, 1980	"Macrolide Synthesis. An Approach to Narbonolide and Narbomycin"	Cal Inst of Technology
Dr. James Espenson November 20, 1980	"Free Radical Reactions of organometallic Compounds"	Iowa State Univ
Dr. Morton Hoffman November 21, 1980	"Photophysics and Photochemistry of Polypyridyl Complexes of Chromium(III)"	Boston Univ
Dr. Oren Anderson December 5, 1980	"Copper(II) Structural Studies: Macrocycles, Mercaptides, and Spin-Labelled Systems"	Colorado State Univ
Dr. Larry Dalton December 12, 1980	"New Spectroscopic Techniques for Characterization of Molecular Dynamics"	SUNY, Stony Brook New York

Seminar Speakers - Spring Semester 1981

Dr. Riley Schaeffer December 15, 1980	Philosophy and Practice in Inorganic Synthesis	Univ of Wyoming
Dr. Lawrence R. Thorne January 14, 1981	Infra-red and Microwave Spectra of Unstable Molecules	Cal Institute of Technology
Dr. David Parker January 19, 1981	Two Photon Spectroscopy, Photo-Fragmentation and Collision Dynamics of $\text{CH}_3\text{-I}$	Columbia Univ
Dr. William Euler January 22, 1981	1-Dimensional Molecular Metals: Metalloporphyrin Iodides	Northwestern Univ

Dr. Gary Parr January 26, 1981	Protein Folding Studies Using Fragments of Cytochrome C	National Institute of Health
Dr. Mary Rakowski-Dubois January 30, 1981	Synthesis and Structures in Reactions of Molybdenum-Sulfur Complexes	Univ of Colorado
Dr. Duward Shriver February 3, 1981	Bi-functional Activation of Carbon Monoxide	Northwestern Univ
Dr. Chris Ryan February 13, 1981	Characteristics of the Decomposition of Brominated Epoxy Resin Fiberglass Laminates	Dow Chemical Co
Dr. S.R. Koirtyohann February 20, 1981	Reduction of Matrix Interference in Furnace Atomic Absorption with L'vov Platform	Univ of Missouri
Dr. Stephen Stobart February 27, 1981	Asymmetric and Dissymmetric Iridium Complexes	Univ of Victoria, British Columbia
Dr. Barry M. Trost March 5, 1981	Selectivity in Organic Synthesis	Univ of Wisconsin at Madison
Dr. Charlie Miller March 13, 1981	Infrared Multiphoton Dissociation of Vinyl Cyanide	Los Alamos National Lab
Dr. G. Marko March 16, 1981	Migration of Metal Ions in Geomedia	Research Inst for Geochemistry
Dr. Nicholas Nogar March 27, 1981	Infrared Laser Induced Chemistry	Los Alamos National Lab
Dr. James Turner April 2, 1981	Time Resolved Resonance Raman Spectroscopy of the Intermediate of Bacterial Rhodopsin and Hemoglobin	Princeton Univ
Dr. Tom Fehlner April 8, 1981	Clusters of Coordination Compounds	Notre Dame Univ
Dr. James Satterlee April 14, 1981	Nuclear Magnetic Resonance of Macromolecules	Northern Ill Univ
Dr. Richard E. Phillips April 17, 1981	Electrohydrodimerization. Preparation of Hexamethylenediamine, a Key Raw Material for Nylon 66. A Case History of Industrial Innovation	Monsanto Chem Co
Dr. Emil Ratajczak April 21, 1981	Kinetic Studies Using Flash Photolysis-TOF Mass Spectrometry	Univ of So Calif
Dr. Phillip Whitefield April 24, 1981	The Generation of Excited Iodine Monofluoride, A Potential Chemical Laser	Air Force Weapons Kirtland AFB
Dr. John Margrave May 1, 1981	Matrix Isolation Studies of the Reactions of Metal Atoms with Lewis Base	Rice Univ
Dr. Jeff Griffith May 8, 1981	Metal Induced RNA Synthesis in Cd Resistant Cells	Los Alamos National Lab

The Milton Kahn Lecture Fund was established through donations received from graduate alumni, faculty, staff and friends. We have acquired a principal of \$8000, the interest of which will be used to bring in a Milton Kahn lecturer each year. The first speaker we hope to bring in for this purpose is Dr. Arthur C. Wahl, Department of Chemistry, Washington University, St. Louis. Dr. Wahl was Dr. Kahn's major professor during his graduate days at Washington University.

B. Significant Plans and Recommendations for the Near Future

I am attaching for your information the following (pp. 10-19) capital outlay five year funding plan which was prepared by Prof. Robert T. Paine and Chemistry's new incoming Chairman, Prof. Riley Schaeffer.

Capital Outlay Five Year Funding Plan

Chemistry Department

June, 1981

Executive Summary

Based upon an extensive self-evaluation and external review, the Chemistry Department has embarked on an aggressive five year development program which will bring to it regional and national prominence. The following report outlines the departmental plan and commitments which will impact on the University Capital Outlay planning. The highlights are summarized here.

- The Chemistry Department has a sound, regionally recognized and growing undergraduate program. The program is of fundamental importance to the University and the State of New Mexico since it provides training for technical personnel required by local government and industrial laboratories.
- The Chemistry Department performs a large and important undergraduate service teaching function in the University. Students majoring in Engineering, Biology, Geology, and pre-Medicine are required to obtain training in Chemistry.
- The Chemistry Department has a growing graduate program which also provides a source of critically needed professional chemists for local government and industrial laboratories.
- There is a rapidly growing international awareness of substandard industrial and research laboratory safety and health facilities. It is important that corrective measures be taken in the Chemistry curriculum and training laboratories in order that the program will conform to new safety and health requirements.

- The Chemistry Department has committed itself to, and the University has accepted a development plan which will lead to a doubling of its faculty and research active staff and students.
- The Chemistry Department has committed itself to a development plan which will require that its faculty attract three times the current level of outside funding support for research.
- In order to accomplish the goals of the development program, the Department must remodel its existing laboratory space beginning in 1981 (\$350,000 allocated), continue the remodeling task for three years (estimated cost 2 million dollars) and occupy new laboratory space (~ 40,000 sq.ft. net) by 1986.

Capital Outlay Five Year Funding Plan
Chemistry Department Development Program
June, 1981

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1. Chemistry Department--Present Situation

The Department offers instruction and research opportunities which lead to the B.A. and B.S. degrees, an undergraduate minor, M.S. degrees (Plan I and II), and the Ph.D. degree. Historically, the Department has placed its greatest emphasis and commitment in undergraduate education. As a result, a strong regionally recognized undergraduate program has been developed. Each of the last five years, the Chemistry Department has averaged twenty major degree graduates and 60 minor degree graduates. The B.S. degree program is fully accredited by the American Chemical Society, and the number of majors is an indicator of the program difficulty. The chemistry majors who graduate from our program score well above the national norms on the exit Undergraduate Assessment Program exam and the Graduate Record Examination in chemistry. In addition, the students are heavily recruited by directors of chemistry graduate programs across the country, by other professional schools and the chemical industry. The Department could easily place twice the number of its current graduating majors in chemical careers.

The Chemistry Department carries a large and important service teaching load. The average credit hour production for Fall and Spring terms is about 16,500 hr. Students majoring in Engineering, Biology, Geology and pre-Medicine are required to receive instruction in Chemistry and graduates from these UNM programs are also in great demand in our region. During the next few years, a modest increase in credit hour production (10%) and chemistry majors (50%) will be encountered. The increase will come from renewed student interest in technical areas, growth of regional needs for technically trained graduates, a vigorous undergraduate recruiting program for chemistry majors and strengthened ties with the Engineering

College. Some of these enrollment trends and predictions are summarized in Figure 1.

During the last five years, the Department added a small number of new faculty positions which allowed us to further strengthen the undergraduate program as well as develop a broader graduate program. The productivity in graduate course hours was relatively constant until 1979 when an increase occurred, despite a shift in departmental emphasis to fewer courses and more independent research. This increase will turn dramatically upward as the graduate program grows. During the last five years, the number of M.S. and Ph.D. degrees awarded has increased from 9 in 1974-75 to 21 in 1980-81. Research funding has increased from about \$300,000 in 1977-78 to about \$500,000 in 1979-80, and the research publication rate for faculty has increased in a similar manner.

The M.S. and Ph.D. graduates are in great demand in the national chemical career market. Since 1970, all but one of our graduates has found employment in a professional chemistry position of their choice. Several major chemical firms have targeted our program for heavy recruiting primarily because of the quality of the graduates. The Department also serves an important role in training Ph.D. level chemists for employment in New Mexico. Since 1970, seventeen of our Ph.D. degree recipients have taken employment at local laboratories.

An extensive self-analysis of the Chemistry Department graduate program and an external review by a panel of distinguished chemists was undertaken in the Fall, 1980. In the Department's report, a five year development plan was outlined which will lead to national recognition of the graduate program. As part of that plan, a nationally prominent chemist and experienced department chairman, Professor Riley Schaeffer, was recruited as the next department chairman. Professor Schaeffer has used his experience to refine the departmental development program, and the faculty have begun to implement the plans.

2. Five Year Plan for Development--A Summary

In order to significantly advance the graduate program in Chemistry, there must be additions of faculty, staff, graduate students, postdoctorals, research funding, equipment funding, and publications. It has been agreed that over the next five to seven years, the Chemistry Department will add about ten new faculty and staff and double its research active personnel (graduate students and post-doctoral associates). In order to attract the new graduate students, it will be necessary for the existing faculty to greatly enhance their research productivity. Our goal is to more than triple our present external research funding to a level of about 1.6 million dollars. Reaching the above goals will require full cooperation and effort from both new and present faculty. The Department also must add several new large instrumentation facilities and an instrumentation shop. The expected expenditures in these areas are about 2.3 million dollars. In the past, the Department has had very good success in attracting outside funding for major instrumentation, and the recent availability of bond monies to match these requests should insure our continued success. A projection of research staff development is shown in Figure 2.

We have begun to more actively recruit undergraduate majors. A departmental advisement program has been instituted, and in the next five years, we will increase the majors by more than 50%. The national and regional employment market for B.S., M.S. and Ph.D. chemists indicates that this is a desirable goal.

3. Space

The Chemistry Department is housed in a space of 81,000 sq.ft. gross (~ 54,000 sq.ft. net). Clark Hall (37,000 sq.ft. gross, ~ 25,000 sq.ft. net) was constructed in 1953, and it contains the freshman and analytical chemistry instructional laboratories, the departmental office, several faculty offices and a small amount of

research and storage space. At this time, about 98% of the presently useable space is occupied. There has been a growing international awareness of health hazards encountered daily in chemistry laboratories, and it is apparent that these hazards are highly visible in our instructional and research laboratories in Clark Hall. In fact, until this year, none of the laboratory space in this wing would have met minimum health and safety standards. Two research laboratories were recently renovated, but the majority of the space still is in great need of renovation (see Section 4). For example, some of the laboratory benches in our freshman labs were moved from Old Chemistry in 1953.

The Riebsomer wing contains about 44,000 sq.ft. gross (~ 29,000 sq.ft. net), and it was occupied in 1970. This space houses sophomore organic laboratories, junior and senior undergraduate instructional laboratories, major instrumentation, faculty offices and research laboratories. About 95% of the available space is now occupied, and the remaining space will be occupied by new faculty in the Fall.

The further planned additions of faculty, postdoctorals, graduate students, and research instrumentation will require major renovations of presently unuseable space in Clark Hall (~ 10,000 sq.ft.), renovation of substandard space in Clark Hall (~ 10,000 sq.ft.), minor renovation of space in the Riebsomer wing and the addition of new space. A projection of our future space needs and a schedule for completion is presented in Figure 2. Discussion of this plan is given in Section 4.

4. Remodeling and New Space

In the Spring of 1981, \$350,000 was allocated to continue the phased renovation of Clark Hall which started in 1980. The bulk of these funds will be used to modernize the freshman chemistry laboratories in Rooms 109 and 109A and perhaps part of Room 207 (5500 sq.ft.). There will remain several renovation projects which may cost in excess of 2 million dollars to complete.

Additional Renovation Projects

Rooms 110, 112, 114, 116	•(Chem. 253) Quant. Analysis Laboratories; requires complete renovation, floor plans are complete
Rooms 104, 106, 108	•(Presently occupied) faculty office and adjoining research space; requires complete renovation, floor plans are complete
Room 204A & 204B	•Occupied research space; requires complete renovation, floor plans are complete
Room 214	•Occupied equipment laboratory; requires complete renovation, floor plans are under study
Room 101	•Lecture Hall, new seating, lighting, ventilation
Rooms 103 & 105	•Occupied departmental office, partial renovation required
Rooms B04, 06, 14, 15, 16	•Partially occupied basement area used for overflow of freshman and sophomore laboratories and research, area needs full renovation, floor plans are in preparation
Rooms 150, 174	•Improve hood ventilation for organic laboratories
Room 207	•Complete renovation of freshman laboratory not accomodated in 1981.

Preliminary plans for the renovations scheduled in 1981 have been submitted to the Architect's Office. The concepts for the renovations listed above also have been discussed with Mr. Hooker.

It should be clearly apparent from the data presented in Figure 2 that after 1982-83 the Chemistry Department will be in desperate need of substantial space. In 1981, the Department occupies cramped quarters. Using a reasonable estimate for required safe floor space per person, we estimate that we occupy 134% of our available floor space (overcrowded by 34%). This is in part due to the presence of unuseable space and some real congestion. Most of the planned growth (3-4 faculty, 10-15 graduate students) through 1982-83 can be accommodated by timely renovation of existing space. However, the projected addition of faculty and students in subsequent years cannot be accommodated without additional space. Therefore, with the departmental development plan now in motion, the renovation and new space construction planning must move along in an orderly fashion. Preliminary discussions regarding new space have taken place with the Architect's Office and the Provost. A draft proposal has subsequently been submitted to the Architect's Office outlining our specific needs. We have requested the addition of about 40,000 sq.ft. net in research space in order to accommodate the new personnel and research instrumentation. In addition, we feel a strong need to enlarge the existing chemical storeroom (4700 sq.ft.) with an additional 4000 sq. ft. This will provide a centralized University chemical dispensing area which would greatly reduce the overstocking of dangerous materials around campus. The Department also would be willing to host the campus hazardous waste office and storage facility, if separate adjacent space is provided.

FIGURE 1: STUDENT CREDIT HOURS GENERATED IN CHEMISTRY

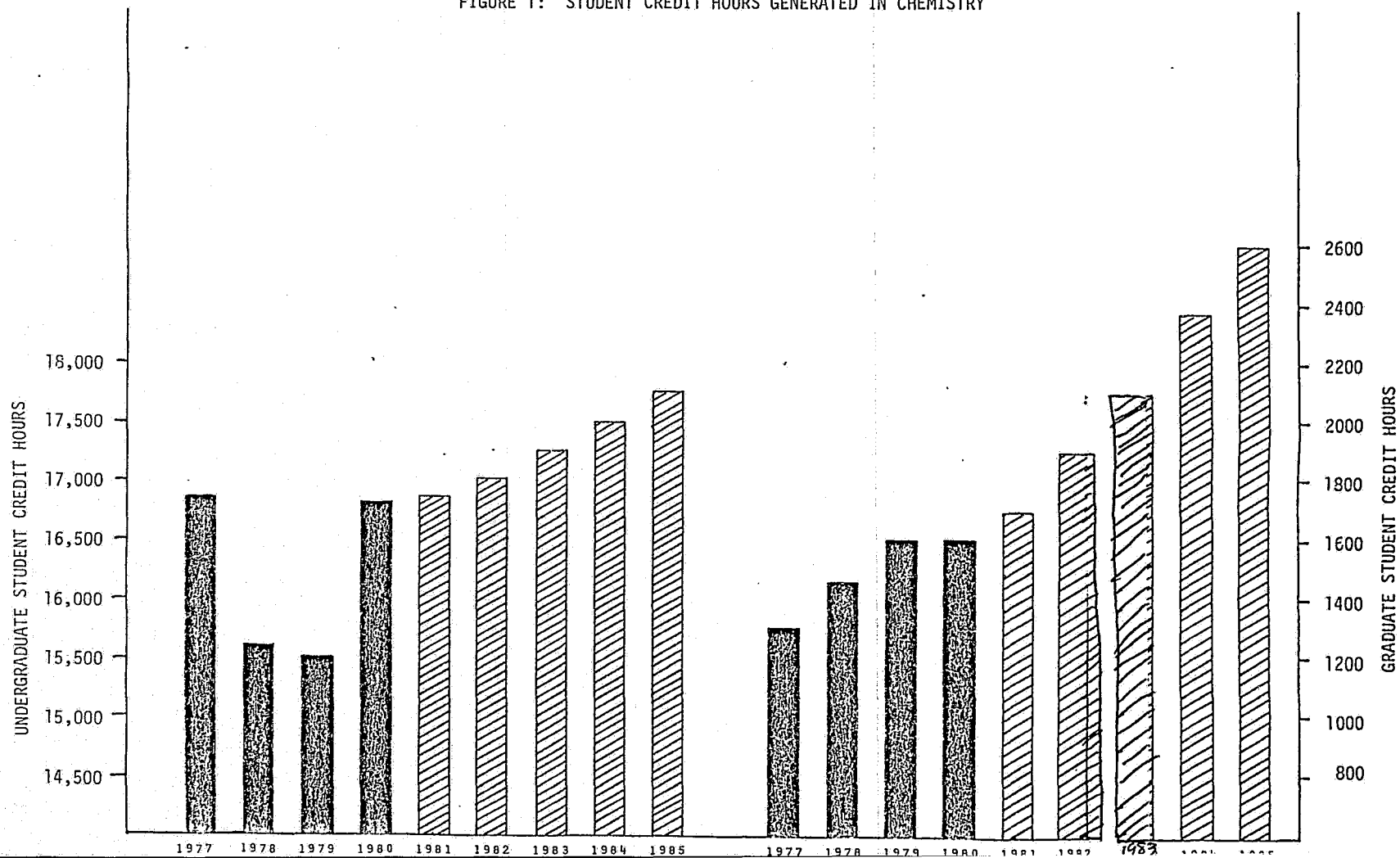
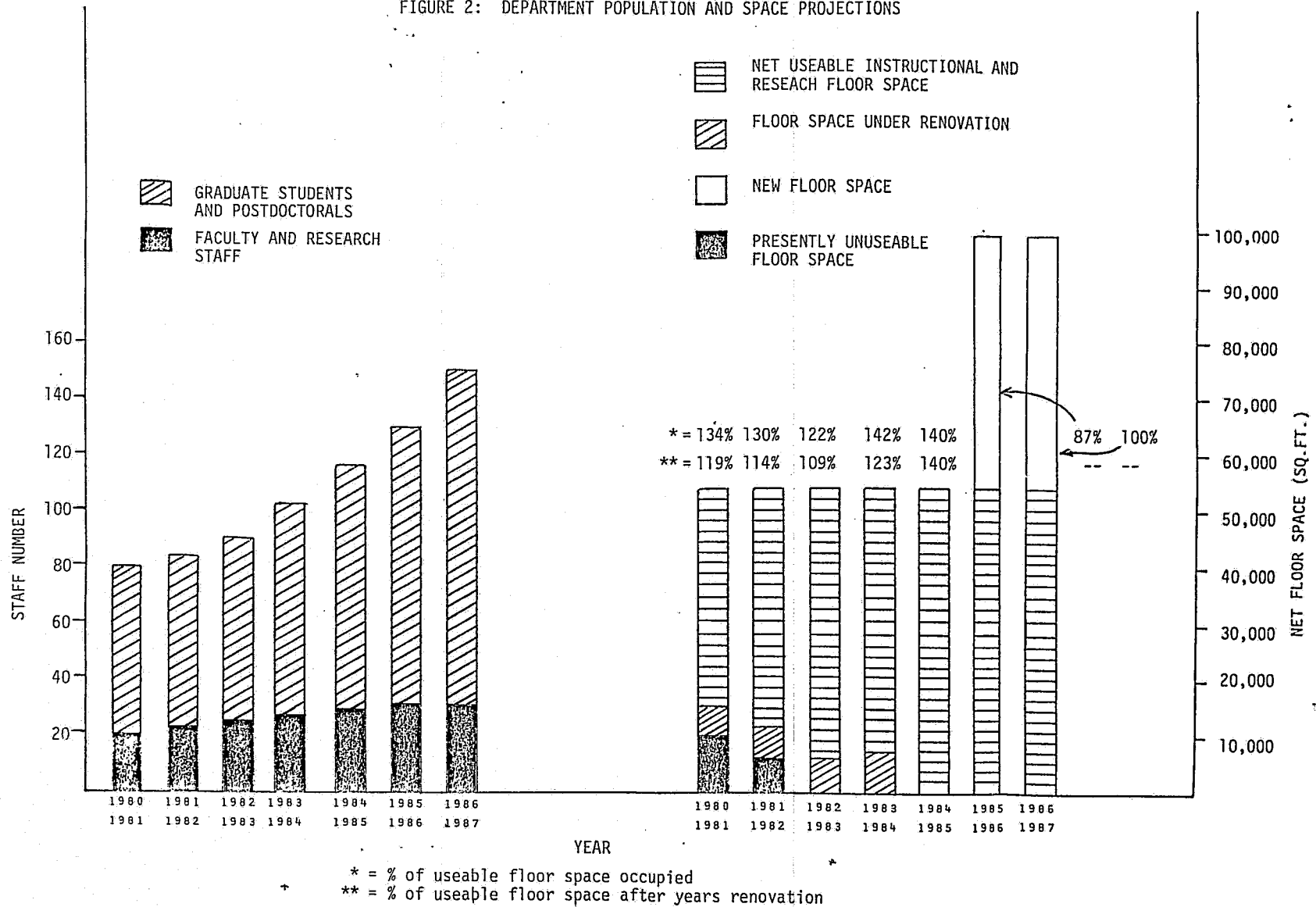


FIGURE 2: DEPARTMENT POPULATION AND SPACE PROJECTIONS



C. New Additions

Dr. Jon R. Maple joined our staff in August, 1980 as assistant Professor in analytical chemistry. Dr. Eileen Duesler joined the department as Staff Scientist to operate and manage the x-ray crystallography facility in the department. Russell Hallett joined our staff as storekeeper. He replaces Howard Reinert who resigned. Marlene Johnson has moved from half-time secretary to full-time secretary replacing Sheri Bearse. Mary Orr has been hired as the new permanent half-time secretary.

D. Separations

Howard Reinert resigned his position as storekeeper. Sheri Bearse resigned her position as secretary to study full-time at the University of New Mexico.

E. Retirements

Dr. Milton retired on December 31, 1980. He will remain active as Professor Emeritus of Chemistry.

Composite of Information Submitted on Individual Biographical Supplement:1. Advanced Study:

- (a) None

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.:

- (a) FRITZ ALLEN: Attended NATO Conference on Electro-optics; Troy, New York: July 14-24.
- (b) WILLIAM F. COLEMAN: Spent two weeks during January, 1980 at Stanford University continuing research begun during my sabbatical (January 1979-July 1979).
- (c) GUIDO H. DAUB: Travelled to Scotland and Ireland during first two weeks in June 1980 with Mrs. Daub. Participated in outdoor activities in both countries involving the compression of a dimpled spheroid of either 1.68 or 1.62 inches in diameter with a device composed of hardwood or metal and following its flight through the atmosphere.
- (d) RICHARD W. HOLDER: American Chemical Society Petroleum Fund, \$15,000, Thermal Sigmatropic Reactions, one year.
- (e) MILTON KAHN: Sabbatical Leave, Semester II (1980).
- (f) EDWARD A. WALTERS: Travel to LASL as visiting staff member; traveled to Cornell University to co-chair a symposium in honor of Prof. Franklin A. Long; traveled to Pacific Lutheran University to recruit graduate students.

3. New Scholastic honors, fellowships:

- (a) SU MOON PARK: Oak Ridge Associated Universities Summer Faculty Research Fellowship, research carried out at the Morgantown Energy Technology Center, Morgantown, WV.

4. Publications:

- (a) FRITZ ALLEN:

- (1) Electric Dichroism and Sedimentation Velocity Studies of DNA-Hg(II) and DNA-Ag(I) Complexes, D. Ding and F. S. Allen, Biochim. Biophys. Acta, 610, 64-71 (1980).
- (2) A Circular Dichroism Study on the Structure of DNA and the Nucleosomal Core Particle Using Hg(II) and Ag(I), D. Ding and F. S. Allen, Biochim. Biophys. Acta, 610, 72-80 (1980).
- (3) An Example of the Utility of Linear Programming II--Nonlinear Applications, F. S. Allen and D. R. C. Priore, Computers and Chemistry, 4, (1980).

- (b) WILLIAM F. COLEMAN:

- (1) "The 254-nm Photochemistry of the Rhodo Chromium(III) Complex:

- (2) "A Laser Induced Transient Photovoltaic Effect Using Blocked Electrodes," J. Phys., Chem., 1980, 84, 2685.
- (3) "On the Nature of the Product of the Reaction of Chromium(III) with Alanine," J. Inorg. Nucl. Chem., 0000 (1980).
- (4) "Luminescence Spectra of Cr(III)-Glycine Complexes," J. Luminescence, 20, 0000 (1980).
- (5) "Excitation Spectra of Chromium(III) Complexes," J. Luminescence, 20, 0000 (1980).
- (6) "Bidirectional Wavelength Dependent Energy Transfer in the System Cr(acac)₃-Azulene," J. Luminescence, 20, 0000 (1980).

(c) GUIDO H. DAUB:

- (1) Terry A. Lyle, Robert E. Royer, Guido H. Daub, and David L. VanderJagt, "Reactivity Selectivity Properties of Reactions of Carcinogenic Electrophiles and Nucleosides: Influence of pH on Site Selectivity", Chem.-Biol. Interactions, 29, 197-207 (1980).
- (2) R. P. Iyer, J. W. Lyga, J. A. Secrist, III, G. H. Daub and T. J. Slaga, "Comparative Tumor-initiating Activity of Methylated Benzo[a]pyrene Derivatives in Mouse Skin", Cancer Research, 40, 1073 (1980).
- (3) T. J. Slaga, R. P. Iyer, W. Lyga, A. Secrist, G. H. Daub, and R. G. Harvey, "Comparison of the Skin Tumor-initiating Activities of Dihydrodiols, Diolepoxides, and Methylated Derivatives of Various Polycyclic Aromatic Hydrocarbons", Polynuclear Aromatic Hydrocarbons: Chemistry and Biological Effects, A. Bjorseth and A. J. Dennis, Editors, Batelle Press, 1980, p. 753-769.
- (4) Guido H. Daub, "Synthesis and Studies of ¹³C-Labeled Benzo[a]pyrene and Related Compounds", Symposium on Chemistry of Polynuclear Aromatics, Preprints, Division of Petroleum Chemistry, Inc., American Chemical Society, Volume 25, No. 3, P. 503 (1980).
- (5) J. Ernest Simpson, Guido H. Daub, and David L. VanderJagt, ¹³C-Labeled Benzo[a]pyrenes and Derivatives. 2. The Synthesis of Benzo[a]pyrene-6-¹³C, J. Labeled Compds. Radiopharm., XVII (6), 895 (1980).

(d) LORRAINE DECK:

- (1) Laboratory Manual for Chemistry 111 by Burgess Publishing Co.

(e) ULRICH HOLLSTEIN:

- (1) W/G. E. Krisov, "Cargon-13 NMR Studies on Some 5-Substituted Quinoxalines," Organic Magnetic Resonance, 14, 300 (1980).

- (2) W/D. L. Mock, R. R. Sibbitt, U. Roisch, and F. Lingens, "Synthesis of Shikimic-6-¹³C Acid, Journal of Labelled Compounds and Radiopharmaceuticals, 17, 289 (1980).
- (f) MILTON KAHN:
- (1) "A Procedure for the Preparation of Chloride-Free Solutions of Carrier-Free Germanium-68"; Coauthored by S. Mirzadeh, M. Kahn, P. M. Grant, H. A. O'Brien, Jr., Radiochem. Radioanal. Letters 42/61 361-364 (1980).
- (g) MIRIAM MALM:
- (1) "Fundamentals of Organic and Biochemistry" D. Van Nostrand Company, New York, 1980.
- (h) JON R. MAPLE:
- (1) J. R. Maple, E. L. Wehry, and G. Mamantov, "Laser-Induced Fluorescence Spectrometry of Polycyclic Aromatic Hydrocarbons Isolated in Vapor-Deposited n-Alkane Matrices", Analytical Chemistry, 52, 920 (1980).
- (i) DON R. MCLAUGHLIN:
- (1) Book Review "Quantum Chemistry--A Scientific Melting Pot," accepted for publication in the Journal of Chemical Education.
- (j) THOMAS NIEMCZYK:
- (1) "Interferences in Sputter-Atomization Atom Absorption Spectroscopy, Applied Spectroscopy, 34, 692-695 (1980).
- (2) "Refractive Index Measurement" in Physical Methods in Modern Chemical Analysis, Vol. 2, Academic Press, 1980, pp.
- (3) "A Schlieren System for Time and Space Resolved Photography of Self-Luminous Electrical Discharges", Applied Spectroscopy, 34, 200-206 (1980).
- (4) "A Study of Phenol Absorption by Coal and Minerals at a Proposed UCC Site" in Proceedings of the 6th Underground Coal Conversion Symposium, Afton OK, July 13-17, 1980.
- (k) ROBERT T. PAINE:
- (1) R. W. Light and R. T. Paine, "The Interaction of SO₂ with Aminophosphine Ligands," Phosphorus and Sulfur, 8, 255 (1980).
- (2) R. T. Paine and M. S. Kite, "The Photochemistry of Uranium Compounds," in "Chemistry of the Actinides," Amer. Chem. Soc. Symp. Ser., 131, 369 (1980) N. Edlestein Ed.
- (3) L. D. Hutchins, R. T. Paine and C. F. Campana, "Structure and Bonding of the Dicoordinate Phosphorus Cation 1,3-Dimethyl-1,3,2-diazaphospholide with $\eta^5 - C_5H_5Mo(CO)_3^-$ ", J. Amer. Chem. Soc., 102, 4521 (1980).
- (4) R. W. Light, L. D. Hutchins, R. T. Paine and C. F. Campana "Reactions of Aminophosphines with CO₂, COS and CS₂.

Crystal and molecular structure of a Seven-Coordinate Tris(dithiocarbomato) Complex of Phosphorus(III). *Inorg. Chem.* **19**, 3597 (1980).

(l) E. P. PAPADOPOULOS:

- (1) "Reactions of o-Aminonitriles with Isocyanates. 1. A Two-Step Synthesis of 2,6-Dihydroimidazo[1,2-c]quinazoline-5(3H)one", *J. Heterocycl. Chem.*, **17**, 1553-58 (1980).

(m) SU-MOON PARK:

- (1) "Excited State Intermediates Probed by Electrogenenerated Chemiluminescence," *Reviews of Chemical Intermediates*, Volume **00**, 0000 (1980).
- (2) "Effects of Several Trace Contaminants on Fuel Cell Performance," Morgantown Energy Center Publication, Morgantown, WV.

(n) ROBERT E. TAPSCOTT:

- (1) C. J. Hilleary, T. F. Them, and R. E. Tapscott, "Stereochemical Studies on Diastereomers of Tris(2,3-butanediamine)cobalt(III)," *Inorg. Chem.*, **19**, 102 (1980).
- (2) R. B. Ortega, C. F. Campana, and R. E. Tapscott, "The Crystal Structure of Tetraethylammonium Vanadyl(IV) *dL*-tartrate(4-) Octahydrate," *Acta Cryst.*, **B36**, 1786 (1980).
- (3) D. Marcovich and R. E. Tapscott, "¹³C NMR Studies on Arsenic(III) and Antimony(III) Dihydroxydicarboxylate Complexes," *J. Am. Chem. Soc.*, **102**, 5712 (1980).
- (4) J. D. Mather and R. E. Tapscott, "Isomers of Tris(2-methyl-1, 3-propanediamine)-cobalt(III) -- A Complex of a Prochiral Sinambic Ligand," *J. Coord. Chem.*, in press.
- (5) R. M. Holland and R. E. Tapscott, "Equilibria of Vanadyl(IV) Tartrates in Aqueous Solution above pH7," *J. Coord. Chem.*, in press.
- (6) T. M. Anaya and R. E. Tapscott, "Kinetic Studies of Stereo-selective Vanadyl(IV) Tartrate Reactions," *Inorg. Chim. Acta*, accepted for publication.
- (7) G. L. Robbins and R. E. Tapscott, "Oxidative Cleavage of Ditartrate-Bridged Chromium(III) Complexes -- A Stereochemical Correlation," *Inorg. Chem.*, submitted.

(o) DAVID L. VANDER JAGT:

- (1) *Chem. Biol. Interactions* **29**, 197 (1980) Reactivity-Selectivity Properties of Reactions of Carcinogenic Electrophiles and Nucleosides: Influence of pH on site Selectivity.
- (2) J. Labelled Cpds and Radiopharm. **16**, 0000 (1980) ¹³C-Labeled Benzo(a)pyrenes and Derivatives 2. The synthesis of Benzo(a)pyrene-6-¹³C.

- (3) J. Biol. Chem. 255,4740-4744 (1980) Bilirubin Binding to Human Liver Ligandin (Glutathione-S-Transferase).
- (4) Fed. Proc. 39, 1324 (1980) Gallium III as a Kinetic Probe of Enzyme Mechanism.

(p) EDWARD A. WALTERS

- (1) Review of "A New Sun -- The Results from Skylab", J. Chem. Ed., 57, A297 (1980). "A Study of the Adsorption of Phenol by Coal and Minerals at a Proposed UCC Site, Proceedings of the Sixth Annual Underground Coal Conversion Symposium, Afton, OK, July 13-17, 1980.

5. Other research projects or creative work:

(a) FRITZ ALLEN:

- (1) Wrote proposals entitled: 1. The extension of Electric Dichroism to Smaller Molecules.
- (2) An Electric Dichroism Study of DNA and DNA Drug Adducts. The latter proposal was funded by NIH at \$120,000, funding starts January 1, 1980.

(b) WILLIAM F. COLEMAN:

- (1) Spectroscopy of Gas Phase Transition Metal Compounds-\$5000 from RAC Committee(UNM).
- (2) Energy Transfers Studies in HF/DF and I Atoms-\$107,000 from the Air Force Office of Scientific Research.
- (3) Structural Studies on Chromium Complexes exhibiting GTF Activity-\$67,000 from the National Institutes of Health.
- (4) Various non-sponsored research projects in Molecular Spectroscopy and Photochemistry.

(c) GUIDO H. DAUB:

- (1) Completed a project on the synthesis of ¹³C labeled benzo[a]pyrenes and derivatives sponsored by the National Cancer Institute of the NIH (this grant was active from July 1, 1976 through December 31, 1980. Total funds received were \$248,120.) Creative work in progress includes (1) The synthesis of the carcinogen, cyclopenta[c,d]pyrene (with Vilija Avizonis).
- (2) The synthesis of cis-7-hydroxyspiro[4,4]nonan-1-one and the study of its use in the synthesis of chiral α -aminoacids (Group LS-5, LASL).
- (3) Synthesis of selected chloromethylbenzo[a]pyrenes (with Lorraine Deck and Alberto Leon).
- (4) Enzymatic hydrolysis of benzo[a]pyrene-4,5-oxide and the use of ¹³C-labeling in such studies (with I. Robert Silverman and D. L. Vander Jagt).

(d) LORRAINE DECK:

- (1) Grant from RAC was received for Synthesis of 10-Chloromethylbenzo[a]pyrene (\$1300). Work is being finished on synthetic scheme.

(e) RICHARD W. HOLDER:

- (1) American Chemical Society Petroleum Fund, \$15,000, Thermal Sigmatropic Reactions, one year.

(f) ULRICH HOLLSTEIN:

- (1) Synthesis of actinomycin analogs; Preferred intercalation sites of the Ethidium bromide-DNA complex; Binding of low molecular antibiotics and toxins to polypeptides (LASL \$20,000 May 1980-April 1981); Investigation of Lithospermic acid, anti-fertility agent (in cooperation with Ob/Gyn. School of Medicine).

(g) MILTON KAHN:

- (1) A paper entitled "Studies of the Chemical Behavior of Carrier-Free ^{68}Ge .I. Purification by Distillation from Acidic Chloride Solutions," Coauthored by S. Mirzadeh, M. Kahn, P. M. Grant, and H. A. O'Brien, Jr., has been accepted for publication in Radiochimica Acta.

(h) WILLIAM M. LITCHMAN:

- (1) "Carbohydrate Metabolism in the Liver" Biomedical Sciences Advancement Program, HEW, PHS, DRR 2-S06-RR08139-07, \$15,086.00 for 1980-81, duration is three years. "Crystal Structure of Disodium fac-Tris(glycinato)nickelate(II), Perchlorate Mono-Tautomerism in Nitrogen Heterocycles.

(i) DON R. MCLAUGHLIN:

- (1) Objective construction of Molecular Phylogenetic trees (in progress).
- (2) Use of Pattern Recognition in classifying chondrule microprobe analysis (in progress).
- (3) A Direct Approach to Internal Motion Hamiltonians (in progress).
- (4) An Internal Motion Hamiltonian for Tetra-acetomic Molecules (completed).
- (5) Applied for UNM Summer Research Stipend (not awarded).
- (6) Participant in Departmental URP Proposal.

(j) CARY J. MORROW:

- (1) NIH-PHS, "Synthesis of Cholesterol Biosynthesis Inhibitors", \$24,155 + IDC for 1980-81 fiscal year funded through August 1982. Completed synthesis of first of five proposed compounds (Rajesh Turakhia, Dec. 1980). Also supported Gordon Fischer who made significant progress on development of a synthesis of two more of the five structures. Summer support for Brian Maschoff who worked on route to fourth and fifth compounds.
- (2) NIH-PHS, "Synthesis of Potential Inhibitors of Cholesterol Biosynthesis," (MBS Program) 14,363 + IDC for 1980-81 fiscal year. Supported Elsie Wilson and Yolanda Barber. Completed synthesis of 7-phenyl-3methyl compactin (Elsie Wilson) and benzylether of mevalonic acid (Yolanda Barber). Developed benzyl lithioacetate as useful synthetic reagent for making mevalonic acid (Yolanda Barber). Studied resolution of 3-hydroxy acids by selective ester hydrolysis with pig liver esterase (Yolanda Barber).
- (3) Southwest Resource Center for Science and Engineering (NSF) "Synthesis of a Phenolic Analog of Cholesterol as a Potential Inhibitor of Cholesterol Biosynthesis," \$6575.00 for 1980-81. Support for Danny Martinez. Synthesis of the target molecule is currently approximately one half complete.
- (4) Synthesis of (S)-mevalonslactone was completed by William K. Wilson.

(k) THOMAS M. NIEMCZYK:

- (1) "A proposal to assess metal ion pollution of groundwater as a consequence of underground coal gasification in the San Juan Basin", Environmental Protection Agency, 10/15/79-10/14/80, \$52,500.00.
- (2) "A proposal to assess pollution of groundwater as a consequence of underground coal gasification in the San Juan Basin," New Mexico Energy and Minerals Dept., 1/1/80-12/31/80, \$29,386.00.

(l) ROBERT T. PAINE:

- (1) Title: The Development of Surface Immobilized Ligands for Actinide Separations. Source: DOE. Grant No.: 79ER 10465. Amount: \$144,000. Duration: August 1979-August 1982.

(m) E. P. PAPADOPOULOS:

- (1) "Reactions of o-Aminonitriles with Isocyanates. 2. A Facile Synthesis of Imidazo-[1,2-c]quinazoline-2,5(3H,6H)dione", submitted to the J. Heterocycl. Chem.
- (2) NIH (MBS Program), \$8,000 per year (direct costs), "Synthesis of Imidazo- and Pyrimido[1,2-c]quinazolines and [1,3] Benzoxazines", first year of three.

- (4) The Use of Fourier Transformation Techniques to Extract Modulated Information, presented at National ACS Meeting, Las Vegas, NV, August 28, 1980 with W. M. Rahe and R. J. Fraatz.
- (b) WILLIAM F. COLEMAN:
- (1) "Charge Transfer Photochemistry of Mono- and Binuclear Chromium (III) Ammines," 179th National ACS Meeting, Houston, TX, March 23-28, 1980. Co-author: R. R. Ruminski.
 - (2) "Energy Transfer in Cr(III)-Cr(VI) Mixed Valence State Salts," 5th Rocky Mountain ACS Meeting, Salt Lake City, UT, June 12-14, 1980.
 - (3) "Chromium(III) in GTF-A Survey of Synthetic Attempts," 5th Rocky Mountain ACS Meeting, Salt Lake City, UT, June 12-14, 1980. Co-Authors: E. E. Zamora, S. Casaus, T. Martinez.
 - (4) "A Molecular Orbital Model for the Alteration of S-F Bond Dissociation Energies in the Series SF_x ($x = 2-6$)," 5th Rocky Mountain ACS Meeting, Salt Lake City, UT, June 12-14, 1980.
 - (5) "Origin of Cr(VI) in the Charge Transfer Photochemistry of Cr(III) Complexes," 2nd Chemical Congress of North America, Las Vegas, NV, August 24-29, 1980.
 - (6) "Chromium(III) Models for Biologically Active Chromium," 2nd Chemical Congress of North America, Las Vegas, NV, August 24-29, 1980. Co-Authors: E. E. Zamora, S. Casaus, T. Martinez.
 - (7) "Relaxation of Excited Vibrational Levels of HF and DF," 2nd Chemical Congress of North America, Las Vegas, NV, August 24-29, 1980. Co-Author: Y. Jones.
 - (8) "Determination of the Radiative Lifetime of Excited Iodine Atoms," 2nd Chemical Congress of North America, Las Vegas, NV, August 24-29, 1980. Co-Author: S. D. Roberts.
 - (9) "Models for Cr(III) Complexes in Biological Systems," SACNAS Conference, Albuquerque, NM, November 19-22, 1980. Co-Authors: E. E. Zamora, S. L. Casaus, T. P. Martinez.
 - (10) "A Topics Course on Lasers in Chemistry," the 6th Biennial Conference on Chemical Education, Rochester, New York, June 15-19, 1980.
 - (11) Stanford University (two seminars), University of California at Berkeley, University of Rochester.
 - (12) Program Chairman for the Division of Chemical Education of the American Chemical Society in charge of General Papers for the Houston ACS Meeting and in charge of the Chemical Education Program for the Atlanta ACS Meeting.

(n) SU-MOON PARK:

- (1) "Photoassisted Electrolysis Applied to Coal Gasification," RAC, \$1498, in progress.
- (2) "Charge Transfer Complexes between Polycyclic Carcinogens and DNA or its Bases," MBS \$17,924, in progress.
- (3) "Trace Contaminant Effects on Molten Carbonate Fuel Cells," initiated.

(o) DAVID L. VANDER JAGT:

- (1) GM25295-06 "Cellular Functions of Glutathione" \$57,517.00 Sept. 1, 1980-Aug. 31, 1981. (DC).
- (2) DRR 2-S06-RR08139-07 "Biomedical Sciences Advancement Program" (DC) \$9,640.00 Sept. 1, 1980-Aug. 31, 1981.
- (3) "Parasite-specific proteases of *P. falciparum*" supported by World Health Organization - Dec. 1980-Dec. 1983.

(p) EDWARD A. WALTERS:

- (1) Photoionization mass spectrometry of cluster molecules in molecular beams, sponsored by LASL.
- (2) Studies on the chemical structure of kerogen in oil shale, unsponsored.
- (3) A study on the environmental impact of underground coal gasification on groundwater in the San Juan Basin of New Mexico, sponsors. a. Energy and Minerals Dept.; State of New Mexico \$29,386 1/1/80-12/31/80. b. Environmental Protection Agency \$50,000 10/1/79-12/31/80.
- (4) Energy transfer from singlet oxygen; sponsored by AFWL, Kirtland AFT, \$9253 1/1/80-9/30/80.

6. Activities in learned and professional societies:

(a) FRITZ ALLEN:

- (1) Selenium Interaction with Heavy Metals: A Model Study of a Biological System, K. L. Nuttal and F. S. Allen, presented at the Joint Northwest-Rocky Mountain Regional ACS Meeting, Salt Lake City, UT, June 12-14, 1980.
- (2) Electric Dichroism as Measured by Fourier Transformation Techniques presented at NATO Advanced Study Institute on Electro-Optics, Troy, NY (1980) with W. M. Rahe and R. J. Fraatz.
- (3) Tutorial Lecture on Electro-Optics of Viruses and Bacteriophages presented at NATO Advanced Study Institute on Electro-Optics, Troy, NY (1980).

(c) GUIDO H. DAUB:

- (1) Delivered a paper entitled "Synthesis and Studies of ^{13}C -Labeled Benzo[a]pyrene and Related Compounds" at the Symposium on Polynuclear Aromatic Hydrocarbons sponsored by the Division of Petroleum Chemistry at the 180th National Meeting of the American Chemical Society (August, 1980, Las Vegas, Nevada).

(d) ULRICH HOLLSTEIN:

- (1) Attended IUPAC Symposium on Organic Synthesis, Madison, WI, June 1980.

(e) MILTON KAHN:

- (1) Member of Sigma Xi, American Chemical Society, AAAS (Fellow), New Mexico Academy of Science.

(f) WILLIAM M. LITCHMAN:

- (1) Papers presented (2) at the American Chemical Society meeting in Salt Lake City, Utah, June, 1980.

(g) MIRIAM MALM:

- (1) Member of American Chemical Society and International Society of Heterocyclic Chemistry.

(h) DON R. MCLAUGHLIN:

- (1) Attended ACS Northwest Rocky/Mountain Meeting, Salt Lake City, June 12-14, 1980. Presented a paper titled "Genochemistry" in the non Mainstream Chemistry Courses Symposium.

(i) CARY J. MORROW:

- (1) Central New Mexico Section ACS, Advisor.

(j) THOMAS M. NIEMCZYK:

- (1) Councilor, ACS, Central New Mexico.
- (2) Congressional Science Councilor, ACS, Central NM.
- (3) Member of Organizing Committee, 22nd Rocky Mountain Conference, August, 1980, Denver, CO.
- (4) Plenary Lecture in the Atomic Spectroscopy Section, 22nd Rocky Mountain Conference, "Recent Developments in Atomic Spectroscopy," Denver, CO, August, 1980.
- (5) Invited paper: "Matrix Effects in Graphite Furnace Atomic Absorption Spectroscopy", Expochem 80, October 6-7, 1980, Houston, TX.
- (6) "Plasma Models for the Hollow Cathode Discharge", The Pittsburg Conference on Analytical Chemistry and Applied Spectroscopy, March 9-14, 1980, Atlantic City, NJ.

- (6) "Determination of Rare Earths by Flameless Atomic Absorption Spectroscopy", The Pittsburg Conference on Analytical Chemistry and Applied Spectroscopy, March 9-14, 1980, Atlantic City, NJ.
 - (7) "The Effect of Atomizer Surface in Graphite Furnace Atomic Absorption Spectroscopy", The Pittsburg Conference on Analytical Chemistry and Applied Spectroscopy, March 9-14, 1980, Atlantic City, NJ.
 - (8) "Environmental Impact of Underground Coal Gasification, Adsorption Characteristics of Aquifer Contaminants on Coal and Mineral Matter", American Chemical Society Regional Meeting, Salt Lake City, UT, June, 1980.
 - (9) "A Study of Phenol Adsorption by Coal and Minerals at a Proposed UCC Site", Sixth Annual Underground Coal Conversion Symposium, July 13-17, 1980, near Afton, OK.
 - (10) "Graphite Furnace Atomic Absorption Spectroscopy of Heavy Matrix Samples", 22nd Rocky Mountain Conference, Denver CO, August, 1980.
 - (11) "Metastable Transfer Emission Spectroscopy of Metal Vapors Produced in a Sputtering Cell", 22nd Rocky Mountain Conference, Denver, CO, August, 1980.
 - (12) "Determination of Metal Concentration in Brine Solutions Using Metastable Transfer Emission Spectroscopy", American Chemical Society National Meeting, Las Vegas, NV, August, 1980.
- (k) ROBERT T. PAINE:
- (1) Papers presented at four symposia and three invitations to speak at other Universities.
- (l) SU-MOON PARK:
- (1) "Preparation of SnO₂ Thin Films on Glass Surfaces and Studies on Their Photoelectrochemical Properties," 157th Electrochemical Society Meeting, May 11-16, 1980, St. Louis, MO.
 - (2) "Photoassisted Oxidation of Coal at Illuminated SnO₂ Electrodes," 157th Electrochemical Society Meeting, May 11-16, 1980, St. Louis, MO.
- (m) ROBERT E. TAPSCOTT:
- (1) Attended 22nd Rocky Mountain Conference and 3rd International EPR Symposium, August 11-14, 1980, Denver, CO.
 - (2) Member of Sigma Xi Executive Committee.
 - (3) Paper read: "Kinetics of Vanadyl(IV) Ligand Exchange, Southwestern MBS Symposium, Socorro, NM, March 8, 1980.
 - (4) 1981 MBS National Meeting Planning Committee and Chemistry Session Chairman.

(n) DAVID L. VANDER JAGT:

- (1) Attended ASBC meeting June 1-5, 1980 and presented paper in New Orleans.

(o) EDWARD A. WALTERS:

- (1) "Molecular Beam Photoionization of OCS Monomers and Dimers," Northwest Rocky Mountain Joint Regional Meeting, Salt Lake City, UT, June 12, 1980, with N. C. Blais.
- (2) "Environmental Impact of Underground Coal Gasification. Adsorption Characteristics of Aquifer Contaminants on Coal and Mineral Matter," Northwest Rocky Mountain Joint Regional Meeting, Salt Lake City, UT, June 12, 1980, with T. M. Niemczyk, G. A. Merrell, J. P. Erspamer, H. Na, and M. S. Silver.
- (3) "Molecular Beam Photoionization of OCS and H₂S Monomers and Dimers," National Meeting of the American Chemical Society, Las Vegas, NV, August 25, 1980, with N. C. Blais.
- (4) 179th National Meeting, American Chemical Society, Houston, TX, March 23-27, 1980.
- (5) Northwest Rocky Mountain Regional Meeting, American Chemical Society, Salt Lake City, UT, June 12-13, 1980.
- (6) 180th National Meeting, American Chemical Society, Las Vegas, NV, August 24-28, 1980.
- (7) American Chemical Society, Councilor of the Central New Mexico Section, as Councilor serving on the National Committee on Divisional Activities.

7. Other professional activities

(a) ROY D. CATON:

- (1) Made a videotape approximately 45 minutes in length: "Safety in the Freshman Laboratory," to be used for safety instruction in all freshman laboratory sections.
- (2) Talk for Campus Ministries last Lecture Series: "The Ultimate Catalyst".
- (3) Gave two 30-minute lecture demonstrations to four fifth-grade classes at Osuna Elementary School, Albuquerque, NM.

(b) WILLIAM F. COLEMAN:

- (1) Consultant to the chemical lasers branch at the Kirtland Air Force Base, reviewed papers for a variety of Journals, reviewed grant proposals for several federal funding agencies.

(c) GUIDO H. DAUB:

- (1) Visiting Staff Member (short term), Group LS-5, Los Alamos Scientific Laboratory.

(d) ULRICH HOLLSTEIN:

- (1) Visiting staff member, Los Alamos Scientific Laboratory.
- (2) Submitted proposals to NIH, NSF, RAC, NIH-MBS.
- (3) Reviewed manuscripts for Tetrahedron.

(e) MILTON KAHN:

- (1) Visiting Staff Member, Los Alamos Scientific Laboratory.

(f) WILLIAM M. LITCHMAN:

- (1) Departmental Instrument Committee.
- (2) University Faculty Ethics Advisory Committee.
- (3) Undergraduate Curriculum Committee.
- (4) Library Committee (Chairman).

(g) DON R. MCLAUGHLIN:

- (1) Visiting staff member, Los Alamos Scientific Laboratory.
- (2) Directed Cris Falkenberg in the summer science Research Assistantship Program.

(h) GARY J. MORROW:

- (1) Consultant to Federal Public Defender's Office.
- (2) Consultant to SWRCSE for Science Fair Workshop and SACNAS Conference.
- (3) Textbook Consultant for Brooks/Cole Publishing Co. and Addison-Wesley Publishing Co.
- (4) Demonstrations presented at local schools.

(i) ROBERT T. PAINE:

- (1) Consultant-VSM at Los Alamos Scientific Laboratory.

(j) ROBERT E. TAPSCOTT:

- (1) Invited speaker at the University of Houston, Department of Chemistry, April 11, 1980.
- (2) Invited speaker at Texas Tech University, Department of Chemistry, April 9, 1980.

- (3) Invited Speaker at Fort Lewis College, Department of Chemistry, Durango, CO, January 25, 1980.
- (4) Invited Speaker at the University of Illinois, Department of Chemistry, March 28, 1980.
- (k) EDWARD A. WALTERS:
 - (1) Visiting Staff Member, Los Alamos Scientific Laboratory.
 - (2) Co-chairman of a symposium to honor Dr. Franklin A. Long, Cornell University, in recognition of his 70th birthday.
 - (3) "Coal Conversion"--talk presented to chemical engineering classes on February 28, September 9, 11, 1980.
 - (4) "An Overview of the Energy Crisis," Rio Rancho Kiwanis Club, September 4, 1980.
 - (5) Demonstrations presented at Comanche Elementary School April 2, 1980 and Madison Middle School November 26 and December 2, 1980.
 - (6) Reviewed a paper for the Journal of Labeled Compounds and Radiopharmaceuticals and a proposal for Research Corporation.

8. Non-teaching University service

- (a) FRITZ ALLEN:
 - (1) Institutional Biosafety Committee (IBC); a Chemical Subcommittee of IBC-Chair.
 - (2) Research Allocation Committee - Chair.
 - (3) Research Policy Committee (RPC).
 - (a) Human Subjects Subcommittee of RPC.
 - (b) Overhead Review Subcommittee of RPC.
 - (c) Administrative Subcommittee of RPC.
 - (4) Library Fund Raising Task Force.
 - (5) A & S Promotion Advisory Committee.
 - (6) Took part in Annual Undergraduate Recruitment Calling Campaign.
- (b) ROY D. CATON:
 - (1) Departmental: Safety Committee (Chairman); Recruitment and Freshman (Chairman).
 - (2) University: Student Standards; Participated in Parents Day (two lecture demonstrations); Senior Day Student Advisor; Coordinator, Chemistry 121-122.

(c) WILLIAM F. COLEMAN:

- (1) Departmental Committee Work, Chair of the Departmental Teaching Evaluation Committee, member of the Departmental Equipment Committee and Space Committee, Director of the UNM/CEC Summer Research Program.
- (2) University Committee Work, Member of the Faculty Senate, Chair of the Undergraduate Academic Affairs Committee (Spring 1980), Chair of the University Long Range Planning Committee (Fall 1980), Member of the Presidential Task Force on Admissions Standards in the General College, Chair of the Task Force Sub-Committee on Admissions Standards, Member of the Arts and Sciences College Academic Standards and Curriculum Committee, Member of UNM/APS Liason Committee.
- (3) Participant and Discussion Panel at Presidential Scholar Workshop and presented a lecture entitled "Lasers in Chemistry" in the presidential scholars lecture series.
- (4) Activities for the Office of School Relations:
 - (a) Participated in Ambassador Programs in Santa Fe, Los Alamos, Sandia High School, and the Albuquerque Academy.
 - (b) Presented lectures on "Lasers in Chemistry" at Parents Day, Discover UNM luncheons (2), Santa Fe High School classes (5), Santa Fe Civitan Club, Senior High School groups (2).
 - (c) Participated in Senior Day, Parents Day, and as a panelist at an Educators Workshop.
 - (d) Presented a talk on academic standards to the Santa Fe Lions Club.

(d) GUIDO H. DAUB:

- (1) Advisor to Chemistry Majors and Minors; Chairman, Department of Chemistry; Member various Chemistry Department Committees.

(e) RICHARD W. HOLDER:

- (1) University Curriculum Committee.
- (2) A & S Committee on Academic Policy.
- (3) Faculty Senate.

(f) ULRICH HOLLSTEIN:

- (1) Chairman, Department Space Committee.
- (2) Spokesman, Department Search Committee for new chairman.
- (3) Member, Department Graduate Recruitment Committee.
- (4) Member, Department Sabbatical Committee.

(g) JON R. MAPLE:

- (1) Member, Graduate Studies Committee.

(h) DONALD R. MC LAUGHLIN:

- (1) Director-Designate of the UNM-Los Alamos Graduate Center.
- (2) Participated in the Second Annual Recruitment Calling Campaign (1980).
- (3) Orientation "80" (July and August).
- (4) High School Senior Day (November).
- (5) Presidential Recognition Award.

(i) CARY J. MORROW:

- (1) Chairman, Graduate Studies Committee.
- (2) Member, A & S Graduate Committee.
- (3) PreMedical Advisor.
- (4) Chairman, MBS Selection Committee.

(j) THOMAS M. NIEMCZYK:

- (1) Member, Faculty Senate Long Range Planning Committee.
- (2) Member, Extra Curricular Activities Committee.

(k) ROBERT T. PAINE:

- (1) Assistant Chairman, Chemistry Department.
- (2) SURP-BRSG Committee.

(l) SU-MOON PARK:

- (1) Member, Departmental Undergraduate Curriculum and Honors Subcommittee; Graduate Selection and Recruitment Committee, and Space Committee.

(m) ROBERT E. TAPSCOTT:

- (1) Departmental: Member, Sabbatical, Salaries, Graduate Studies, Library, Chairman Search, X-ray (Chairman), Computer Use (Chairman), Graduate Recruitment and Selection, Undergraduate Curriculum Committees.
- (2) University: MBS Advisory, Sandia-University proposal review.
- (3) A & S: Computer Use (Chairman), Speaker at Chemistry Careers Night.

(n) DAVID L. VANDER JAGT:

- (1) New Committees: BRSC Committee; CRTC Research Committee; Department of Chemistry Chairman Search Committee.

(o) EDWARD A. WALTERS:

- (1) Faculty advisor to 3 graduate students, 1 postdoctoral fellow and 3 technicians.
- (2) Dissertation Committee of 9 other graduate students.
- (3) Graduate Student Selection and Recruitment Committee (Chmn).
- (4) Member: Department Planning Committee; Department Chairman Search Committee; Department Salary Committee.

9. Public Service:

(a) ROY D. CATON:

- (1) Co-President, University Heights Community Association.
- (2) Neighborhood representative to Albuquerque Coalition of Neighborhoods.

(b) WILLIAM F. COLEMAN:

- (1) Member of the Albuquerque Public Schools Career Enrichment Center Advisory Board.

(c) DONALD R. MC LAUGHLIN:

- (1) Cub Master, Packs 5 and 201.
- (2) Committee member Troop 201, BSA.
- (3) Counselor in the Albuquerque Stake Sunday School.

(d) EDWARD A. WALTERS:

- (1) Member, St. Lukes Lutheran Church, serve on Christian Education Committee.
- (2) Member of Board of Lutheran Campus Council of New Mexico.
- (3) Participant in project on Biomedical Ethics Statement Development for Lutheran Church in America.

10. Personal Information:

(a) GUIDO H. DAUB:

- (1) Son, Guido W. Daub, was married on June 28, 1980, to Sandra Hollenberg in Claremont, CA.

(b) ULRICH HOLLSTEIN:

- (1) Change in tax bracket (higher).

(c) EDWARD A. WALTERS:

- (1) Adopted daughter, Elaine Mee Sun Walters, was naturalized on November 21, 1980.
- (2) Certified in CPR.

REPORT OF THE DEPARTMENT OF COMMUNICATIVE DISORDERS
July 1, 1980 - June 30, 1981
Lloyd E. Lamb, Chairman

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I. Program Achievements

- A. The Department Curriculum Committee, co-chaired by Drs. Hood and Butt, continued its review of our course offerings and our comprehensive examination policy and format. Two graduate students participated in curriculum meetings and served as liaison with the student organization.

The only major change we made this year was in the comprehensive examination format, where we adopted the National Examination in Speech Pathology and Audiology (NESPA) as the objective portion of our comprehensive for all students. Our format now includes essay examinations in speech, language and audiology and the NESPA examination.

- B. We have continued our efforts to upgrade all aspects of the department through several approaches to program evaluation. Included were the following:

1. The entire faculty and student representatives participated in weekly faculty and curriculum meetings.
2. Meetings were held with graduate students to solicit input regarding program needs and possible means of improvement.
3. The student review committee consisting of Drs. Hood, Blanchard and Lamb screened all applicants for the graduate program. Dr. Hood, with assistance from others when needed, reviewed academic and clinical programs and progress of almost all of the graduate students. Attempts were made to identify and correct any weaknesses and to insure that students meet certification requirements of the American Speech-Language and Hearing Association as well as graduate school requirements.

- C. Our Field Study Program, through which graduate students are placed for clinical training during their final semester, has continued to grow. Among local field study sites are the V.A. Hospital, the Albuquerque Public Schools, the Rehabilitation Center, Inc. and the New Mexico School for the Deaf. We have also placed students at rehabilitation facilities in Texas and California, at the Mailman Child Study Center in Miami, Florida, the University of Colorado in Boulder, Colorado, and the John F. Kennedy Center in Denver, Colorado. Two new placement sites in Tulsa, Oklahoma, were utilized this year. Mary Bolton, M.A., Assistant Professor, has continued to coordinate the Field Study Program.
- D. This year we continued to strengthen our affiliations with the Albuquerque Public Schools. Among other contacts this year were the following:
1. APS Oral Language Speech and Hearing (OLSH) Coordinators were consulted for input on APS needs and ways we might modify our program so that our graduates will better meet their needs.
 2. Communicative Disorders students were assigned to a number of public school settings for practicum experience. Students gained experience in speech and language testing and therapy and in hearing screening.
 3. Several faculty members, including Dolores Butt, Richard Hood, Mary Bolton, Sumner Blanchard and Carol Westby consulted with APS personnel in various situations and assisted in in-service training.
 4. Phyllis Wilcox, M.A., Instructor, continued the practicum

program through which students in sign language gain experience as interpreters for the deaf by working with hearing impaired school children.

E. We have continued cooperative activities with Programs for Children (PFC) this year, working primarily with the Programs for Children Developmental Disabilities Team. Joint activities this year included the following:

1. Communicative Disorders graduate students gained practicum experience with developmentally disabled children under supervision of Dr. Carol Westby and, this summer, Barbara Martinez, M.S.
2. Patti Elledge-Damico, of our faculty, has continued to work with PFC on an infant research project.
3. We are paying approximately one-third of the salary of Anthony Staiano whose primary appointment is with the Vista Larga School. In return, Mr. Staiano supervises our students at Vista Larga and acts as a resource for the Department.
4. Dr. Westby currently is teaching Communicative Disorders 536: Seminar in Speech-Language Pathology.

F. Research activities for 1979-80 are summarized below:

1. One of our recent graduates, Ruth Dismuke, received a grant last year from the American Quarter Horse Association to support a research project studying riding as a treatment tool with speech and/or language impaired children. This grant has been renewed for two additional years (\$30,000 total). The project is being supervised by Mary Bolton, M.A., and Lloyd Lamb, Ph.D.

2. Several faculty members had scientific exhibits or presented papers at scientific meetings. These are listed in the biographical supplement section. A number of other manuscripts have been published or accepted for publication as books or journal articles.
3. Several faculty and staff members are involved in on-going research projects. Drs. Hood, Riensche and Lamb are involved in investigations of auditory function in healthy elderly persons as part of a large medical research project being conducted at the UNM School of Medicine. This year Dr. Hood tested approximately 250 of the subjects to obtain basic audiometric data. Drs. Riensche and Lamb currently are involved in studying central auditory processing abilities with the subject population.
- G. Our graduate enrollment in speech-language pathology and audiology in 1980-81 totaled 51. Twenty-one students received master's degrees, 17 in Speech Pathology and four in Audiology. Twenty-two new graduate students joined the Department this year, 18 in speech-language pathology and four in audiology. We have accepted 30 new students for next year and anticipate at least half of them coming.
- H. We have continued our attempts this year to obtain appropriate space for the Department in a single facility in order to unify the programs and eliminate inefficiency. The University has agreed to provide us trailer type buildings on a temporary basis. These buildings will be placed adjacent to our Communication Disorders Unit on the North Campus at Frontier and Vassar.

II. Non-University Support

The training grant from the U.S. Office of Education, Bureau of Education for the Handicapped, was funded at \$85,000 for 1980-81, and

has been approved for the same amount for next year. The grant includes complete salary support for Judi Barnes and Patti Elledge-Damico, Supervisors, as well as support for a secretary and partial support for Judy Williams, Clinical Supervisor. It also provides stipends for eight graduate students, as well as funds for travel and other project costs. Part of the grant is earmarked as support for the early language intervention program.

The New Mexico Elks Cerebral Palsy Commission provides a grant each year to support a graduate student and to cover other expenses of our cerebral palsy service program. This year's grant totaled approximately \$4,000. We also had a small service contract with Programs for Children (\$3,000) to cover hearing test services provided at BCMC.

Partial or total support was provided under various contracts or grants for the following Communicative Disorders personnel:

- A. Judi Barnes, M.S., Clinical Supervisor, Speech Pathology, (100 percent)
- B. Patti Elledge-Damico, M.S., Clinical Supervisor, Speech Pathology, (100 percent)
- C. Judy Williams, M.S., Clinical Supervisor, Speech Pathology, (20 percent)
- D. Secretary, Center for Otolaryngology and Communication Disorders, BCMC, (100 percent)

As mentioned above, we have received a \$30,000 two year grant from the American Quarter Horse Association. Mary Bolton is Principal Investigator and Ruth Dismuke is Project Assistant. The grant will support an investigation of language therapy through horseback riding.

III. Faculty Changes

1. Wayne Swisher, Ph.D., has been appointed Associate Professor (part-time permanent) to replace Curtis Weiss who resigned in December, 1979.

Swisher will teach courses in speech pathology and speech science on a one-half time basis and will supervise student research.

2. Patti Elledge-Damico, M.S., who joined the faculty in December, 1978, as part-time supervisor in speech-language pathology, was increased to full-time effective July 1, 1980.
3. Judi Barnes, M.S., joined the faculty as supervisor of the early language intervention program, replacing Jan Loeppky who resigned after having a baby.
4. Anthony Staiano joined the faculty as part-time supervisor in speech pathology. His primary appointment is with Programs for Children at Vista Larga School.

..IV. Plans for 1981-82

- A. Dr. Lloyd Lamb will be on sabbatical leave during the 1981-82 academic year. Dr. Richard Hood will serve as acting Chairman in Lamb's absence. Lamb will continue to prepare grant applications and major reports and will be available for consultation on major issues.
- B. During the 1981-82 school year we plan to request approval for a bachelors degree program for training interpreters for the deaf. Phyllis Wilcox, M.S., will direct this program. This action is being taken after extensive planning and on the advice of Associate Provost Joel Jones and Dean Chris Garcia.

V. Composite of Information Requested on Individual Biographical Supplements

- A. Sumner L. Blanchard
 1. Attended 6th Annual Voice Institute at Baylor College of Medicine, Houston, Texas.
 6. Attended American Speech-Language-Hearing Association Convention, Detroit, Michigan.
 8. a. Coordinator of Clinical Services, Department of Communicative Disorders

b. Faculty Advisor

B. Dolores S. Butt

6. Linguistic Society of America
8. Director, Elks Cerebral Palsy Program

C. Richard B. Hood

6. Hood, Richard and Zimmerman, Harry. Computerized Audiometric Programmable Simulator (CAPS): Scientific exhibit shown at the ASHA Convention, Detroit, Michigan. Third place for scientific merit.
8.
 - a. Coordinator of Audiology
 - b. Arts and Sciences Promotion Committee

D. Dr. Lloyd Lamb

1. Brainstem Evoked Response Audiometry. Short Course-LSU Medical Center, New Orleans, Louisiana.
2. Sabbatical leave approved for 1981-82 academic year.
5. Lamb, L. and Riensche, L. Central Auditory Processing Disorders in an Aging Population. Research in progress.
6. Council of Graduate Programs in Speech Pathology and Audiology. St. Louis, Mo., May 1981.
8.
 - a. Chairman, Department of Communicative Disorders
 - b. Director of UNM Speech and Hearing Center and Medical School C.D.U., and Co-Director, BCMC Center for ENT and Communicative Disorders
9. Interior Board of Directors, Albuquerque Arts Alliance

E. Linda Riensche

5.
 - a. Wohlert, A., Rate Preference and Comprehension of Rate-Altered Speech in Aphasia. A Master's Thesis accepted by the Graduate School. (Manuscript for publication in preparation.)
 - b. Pratt, J., Central Auditory Function within a Juvenile Delinquent Population. A Master's Thesis being directed by me. (Student is currently running subjects.)
 - c. Riensche, L., Stahl, C., and Gravens, C., Children's Discriminative and Sequential Performance on Time Compressed Rhyme Sequences. (Manuscript in preparation.)

- d. Riensche, L., Patterson, J., and Beasley, D., Ear Laterality Effects for Time Compressed Rhyme Sequences. (Manuscript submitted.)
 - e. Clauser, P., Performance of Previously Misarticulating Children on Time Compressed Sentential Stimuli. A Master's thesis being directed by me. (Student is currently preparing prospectus.)
 - f. Duran, P., Auditory Perception of Time-Compressed Speech Stimuli by Adult Stutterers. A Master's thesis being directed by me. (Prospectus has been accepted by Thesis Committee.)
 - g. Cicoria, E., The Use of the PICAC in Assessing Variability of Autistic Performance. A Master's thesis being co-directed by Bruce Porch and me. (Student is currently preparing prospectus.)
6. a. Riensche, L., Wohlert, A., and Porch, B., "Preferred Speech Rate Relative to Comprehension Rate in Aphasia." Paper presented to the American Speech-Language-Hearing Association in November, 1980 (Detroit).
- b. Riensche, L., Cravens, C., and Stahl, C., "Children's Discriminative and Sequential Performance on Time Compressed Rhyme Sequences." Paper presented to the American Speech-Language-Hearing Association in November, 1980 (Detroit).
- c. "Auditory Processing Disorders." Invited Panel Discussant for the Albuquerque Speech and Audiology Professionals in April, 1980 (Albuquerque).
8. a. University Level:
- (1) Research Allocations Committee
 - (2) University Outreach Programs
 - Adult Re-Entry Program
 - Recruitment Telephone Program
 - "Discover UNM"
 - "UNM Sneak Preview"
 - (3) Liberal Arts Career Exploration Fair
- b. College Level:
- Arts and Sciences Graduate Committee
 - Arts and Sciences Committee on Academic Standing
- c. Department Level:
- Curriculum Committee
 - Research Field Study Development Committee
 - Liaison to the University Library
 - Research Field Study Coordinator
 - Associate Faculty Member, Department of Linguistics
 - Research Forum Coordinator

9. Judge for Northwestern New Mexico Regional Science and Engineering Fair Representative to Acoma Vocational Awareness Fair (Laguna Pueblo) Regional Consultant for Publication of the New Mexico Speech-Language-Hearing Association Newsletter
Representative to the Albuquerque College Fair

F. Phyllis Wilcox

4. Intramural-Recreational Sports: New Directions and Ideas, edited by Will Holsberry, Lou Marciani, Carolyn Vos Streche, 1981, "An Innovative Intramural Program for the Hearing Impaired", pp 168-171. (This was an article within the Chapter Programming for the Handicap)
5. The Myers-Briggs Type Indicator - Personality Types of Sign Language Students. Presented at the 1980 R. I. D. Convention and was published by R. I. D. 1980.
6.
 - a. Seminar: Linguistic and Semiotic Approaches to the Teaching of Sign Language Interpretation, Detroit, Michigan, March, 1980.
 - b. Workshop: "Sociolinguistics of American Sign Language", Carol Padden, Glorieta Summer Program, Summer, 1980.
 - c. Convention: National Association of the Deaf, Cincinnati, Ohio, July, 1980.
 - d. Convention: National Registry of Interpreters for the Deaf, Cincinnati, Ohio, July, 1980.
 - e. Presented paper for the National Intramural-Recreational Sports Association Conference, El Paso, Texas, June, 1980.
 - f. "Quality Assurance", Division of Vocational Rehabilitation Policy workshop, Use of Interpreters Within DVR, Little Rock, Arkansas, May, 1980.
 - g. "Policy Institute on Career Choice for the Disabled", Washington, D.C., September, 1980.
7.
 - a. Organized "Sign Fest '80" held at Rodey Theatre, UNM, May, 1980. to worthy cause.
 - b. United States Naval Reserve Training Center, "An Introduction to American Sign Language" Fall, 1980.
 - c. Demonstration class for UNM School Relations, "Sneak Preview", April, 1980.
 - d. Coordinated "Sign Fest '80". Funds raised went towards purchase of an evoked response audiometer to detect hearing impairment in young children.

- e. Implemented and coordinated use of interpreters for ASUNM Speakers Committee, 1979-1980.
- f. Coordinated use of interpreters for the UNM Engineering workshop "Unite-80", Summer, 1980.
- g. Supervisor of sign language instructors for Continuing Education, both credit and non-credit classes, 1979-1980.
- h. Consultant to UNM Special Services, 1979-1980.
- i. Developed and designed proposal and curriculum for an Associate of Arts degree in Interpreter Training, 1980.
- j. Panalist: Therapeutic Recreational Symposium, Southwest, University of New Mexico, September, 1980.
- k. Lectures Independent Living Skills Center, "Consumers of Interpreting Services", Albuquerque, September, 1980.
- l. Lecture: Kiwanis International, luncheon presentation of Deaf Awareness, Spring, 1980.
- m. Lecture: Kiwanis International Board Meeting, "The Needs of the Deaf Community". August, 1980.
- 8. a. Presidential Recognition Award, University of New Mexico student recruitment efforts, 1980.
- b. Coordinated efforts between UNM Intramurals and the Advanced Sign Language class to establish regular communicative and recreational sports program, 1980.
- c. Supervisor of Interpreting Practicum Program in Albuquerque Public Schools, 1978-1980.
- d. Supervisor of RID certified interpreters, legal terminology. 1979-1980.

THE REPORT OF THE DEPARTMENT OF ECONOMICS
July 1, 1980 - June 30, 1981
Alfred L. Parker, Chairman

I. General Departmental Information.

The Department of Economics continues to experience an increase in enrollment as reflected in the data recorded in Table 1. The small decline in enrollment in the Spring Semester of the 1980-81 academic year over Spring enrollment last year is a reflection of the necessity to drop two courses at the last minute (Econ 410 and Econ 440) and an effort to increase late afternoon and evening classes. It is significant to note that in the Spring semester 1981 enrollment in introductory economics courses (Econ 101, 200 and 201) increased by 5.1 percent over Spring 1980 enrollment.

Increased enrollment in the Anderson School of Management, to which this department plays a major service role, explains some of the Economics Department's enrollment increase. However, the major factor explaining this growth has been a significant increase in the number of Economics majors. Table 2 indicates the change in Economics majors over the past five academic years.

Graduate enrollment has remained relatively stable as indicated in the data recorded in Table 3. This enrollment level is a reflection of the limited number of teaching and research assistantships available to this department. Our inability to offer a reasonable number of assistantships on

Table 1

ECONOMICS DEPARTMENT ENROLLMENT FIGURES (STUDENT ENROLLMENT)

	Fall 1976-77	Fall 1977-78	Fall 1978-79	Fall 1979-80	Fall 1980-81
ECON 100	-	-	-	(1) 63	(1) 68
101	(2)* 241	(2) 269	(2) 228	(2) 196	(2) 254
200	(5) 572	(5) 755	(4) 690	(6) 816	(6) 859
201	(3) 304	(3) 435	(4) 480	(7) 549	(6) 529
229					(1) 12
Total 100 and 200 level Courses	(10) 1117	(10) 1459	(11) 1412	(16) 1624	(16) 1722
ECON 300	(3) 189	(6) 222	(3) 236	(3) 245	(4) 304
303	(2) 86	(2) 81	(3) 90	(4) 109	(4) 102
315	(2) 126	(1) 154	(2) 229	(2) 221	(2) 289
Other 300+ and 400 level Courses	(17) 289	(19) 331	(21) 365	(18) 405	(16) 407
ECON 500-699	(11) 74	(7) 39	(9) 50	(11) 77	(10) 87
TOTAL	1881	2286	2382	2681	2911
		(+21.5%)	(+4.2%)	(+12.6%)	(+8.6%)
	Spring 1976-77	Spring 1977-78	Spring 1978-79	Spring 1979-80	Spring 1980-81
ECON 100	-	-	-	(1) 53	(1) 40
101	(2) 234	(1) 120	(1) 124	(1) 173	(1) 139
200	(3) 537	(5) 657	(6) 737	(6) 807	(6) 896
201	(5) 435	(5) 419	(6) 490	(5) 492	(6) 512
Total 100 and 200 level Courses***	(10) 1206	(11) 1196	(13) 1351	(15) 1566	(14) 1587
ECON 300	(3) 178	(3) 197	(4) 216	(4) 269	(5) 260
303	(2) 64	(4) 115	(3) 95	(3) 89	(5) 121
315	(1) 131	(2) 190	(3) 251	(2) 248	(3) 241
Other 300+ and 400 level Courses	(17) 322	(14) 282	(19) 359	(20) 483	(20) 406
ECON 500-699**	(13) 88	(9) 49	(9) 64	(11) 78	(11) 71
TOTAL	1990	2030	2336	2733	2676
		(+2.0%)	(+15.1%)	(+17.0%)	(-2.1%)
TOTAL ACADEMIC YEAR	3871	4316	4718	5414	5586
		(+11.5%)	(+9.3%)	(14.8%)	(+3.2%)

* Number in () indicates number of sections offered [or planned for Spring 1979-80].

+ Includes 451 and 452 Problems, 497-498 Readings for Honors and 499 Senior Honors Thesis.

** Includes 551 and 552 Problems, 599 Masters Thesis and 699 Dissertation

Percentage figures for Fall Semester indicate increase over preceding Fall Semester.

Percentage figures for Spring Semester indicate increase over preceding Spring Semester.

*** Includes Econ. 203 and Econ. 212 with 6 students and 35 students, respectively.

Table 2 -- Economics Majors

<u>Academic Year</u>	<u>Fall Semester</u>	<u>Spring Semester</u>
1976-77	49	74
1977-78	65	68
1978-79	86	106
1979-80	114	141
1980-81	195	212

Table 3

GRADUATE STUDENT
ENROLLMENT

<u>FALL</u>	<u>ENROLLMENT</u>	<u>SPRING</u>	<u>ENROLLMENT</u>
1974	50	1975	51
1975	62	1976	59
1976	49	1977	42
1977	35	1978	37
1978	37	1979	41
1979	50	1980	51
1980	54	1981	53

a timely basis seriously handicaps us in attracting quality students into the graduate program.

The increase in enrollment, while the faculty FTE has remained virtually constant, has resulted in very large enrollments in a number of upper division courses. For example, during the 1980-81 academic year, the following enrollments were experienced in the upper division courses taught by Economics faculty:

Econ 315	(Chung)	146 students
Econ 300	(Gisser)	116 students
Econ 330	(Hamilton)	75 students
Econ 300	(Jonas)	73 students
Econ 315	(Parker)	144 students
Econ 332	(Parker)	63 students
Econ 315	(Chung)	118 students
Econ 315	(Chung)	93 students
Econ 300	(Gregory)	65 students
Econ 332	(Parker)	80 students

In order to deal with this problem the Economics Department has been forced to use release-time monies to hire part-time instructors and to use TA's to teach both introductory and intermediate level courses offered by the department. From the enrollments listed above it is clear that these

efforts have not provided a solution to the problem.

The department has developed a new brochure designed to assist the undergraduate student in planning his or her course of study and at the same time provide information concerning job availability for economics majors. This brochure is available at the Economics Department Office and the College of Arts and Sciences Advisement Center.

In April 1981 the first issue of a new publication, the UNM Economics Newsletter was distributed. This quarterly publication is designed to keep the public informed about what is going on in the UNM Economics Department. We anticipate that it will assist us in maintaining contact with our graduates, in promoting interest in our late afternoon and evening classes, and in attracting quality students into our graduate programs.

The first edition of The Southwestern Review of Management and Economics will be published this month. We believe that this new journal co-edited by Professor Roger Norton (Economics) and Professor Bill Peters (ASM) will be an important addition to the literature in the field.

Members of the Economics Department continue to be active in research, publication and related professional activity. The eighteen full time faculty members published fifty-two (52) articles, presented thirty (30) papers at

professional meetings, published three (3) new books, and prepared forty-two (42) research reports this past calendar year (1980). The amount of sponsored research remained at a high level as summarized in Table 4. A total of seventeen (17) projects provided \$568,774 in financial support for research during the 1980-81 academic year. Finally, department members continued to be active on university, college, and departmental committees and to be involved in a wide range of community activities.

The Economics Department plans to sponsor a new undergraduate student organization beginning with the Fall semester of 1981. This organization will be called the Economics Student Council (ESC) and will be open to all Economics majors with a GPA of 2.5 or higher. Through the organization and operation of this group we hope to improve our undergraduate economics program, to improve undergraduate advisement, and to stimulate undergraduate interest in and improve their understanding of the science of economics.

Appointments to Staff.

Two new faculty members will be joining the UNM Economics Department this fall. They are:

Ms. Patricia Oslund (University of Kansas) whose fields of interest are macro-economics, international trade, and

Table 4

8

Funded Research
Department of Economics
1980-81

Principal Investigator	Project Title	Grant Amount*
Ben-David	High Plains Regional Study	\$ 59,640
"	Valuing Visibility Benefits in National Parklands	28,895
"	Methods Development for Assessing the Value of Hazards Information	32,669
"	Passive Solar Economics and Market Analysis	36,950
"	Ethical and Value Foundations of Benefit Cost Analysis	52,084
"	Passive Solar Retrofit Analysis	11,397
Ben-David, Brown & Lievano	Energy Management Systems - Phase II	103,868
Boyle	Governor's Council of Economic Advisors	25,000
"	Dept. of Finance Study	15,000
"	Medicaid Study	19,000
Burness	Water Management Strategies in Arid Regions	143,428
Cummings, Burness & Norton	Critical Review of D.Q.E. Environmental Impact Study for the Proposed WIPP	29,496
"	Disposal Facilities for Nuclear Waste in New Mexico: An Analysis of Socio-Economic Issues - WIPP	368,532
Cummings	Water Related Benefits and Costs Associated with USFS Recreation Programs	8,000
"	Hot Dry Rock - LASL	11,274
Parker	Liquor License Study	21,998
"	Socioeconomic Impact of Increased Storage at Abiquiu Reservoir	9,979
		<u>\$977,210</u>

* Grant amount shown is for entire grant period;
1980-81 fiscal year amount: \$568,774

applied econometrics; and

Mr. Roger Andrae (Vanderbilt University)) whose fields of interest are macro-economics, international trade, development economics, and econometrics.

Both of their 3 year appointments are effective August 1981.

Professor Lee Brown, who served as Director of the New Mexico Bureau of Business and Economic Research for three years, has returned to the Economics Department as a full time faculty member.

Separations from Staff.

Professor Ronald Johnson resigned his position as assistant professor in this department to accept a faculty position at Montana State University. This resignation was effective May 16, 1981.

Professor Javier Salas resigned his position as assistant professor in this department to accept a position in the Bank of Mexico, Mexico City. This resignation was effective May 16, 1981.

Sponsored Research or Other Projects.

Seven (7) of the department's eighteen (18) full time faculty submitted proposals to outside agencies. This represented 39 percent of the full time faculty participating

in such activity.

All seven faculty members who submitted proposals to outside agencies were successful in obtaining awards, i.e., 39 percent of the full time faculty were successful in obtaining awards from outside agencies. A listing of projects generating funds during the 1980-81 academic year is provided in Table 4.

II. Composite of information requested on individual biographical Supplements.

1. Advanced study.

None.

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc., during the period.

Ben-David, Shaul Sabbatical 8/80-12/80
Gregory, Peter Travel, summer 1980: Greece and Mexico
Jonas, Paul Semester II 1980 - Teaching and research at the University of Daele, Dele, Senegal.

3. New scholastic honors, fellowships, etc.

Chung, Pham Professor of the semester (spring 1980)
Outstanding Professor of the Year (1980)
Jonas, Paul Senior Fulbright-Hays Award.

4. Publications during the period.

Ben-David, Shaul, Professor

"Benefit-Cost Framework for Analysis of Trace Element Emissions From Coal-Fired Power Plants," The University of New Mexico, Department of Economics, Resource Economics Program, working paper, November 1979 (with Gilbert Bonem; Allen Kneese; William Schulze; Dolores Willett; Michael Williams).

"Energy Management System, Phase II," The University of New Mexico, Bureau of Business and Economic Research, July 1980, (with R.J. Lievano; Lee Brown; Jeffrey D. Baxter).

Boyle, Gerald, Professor

"Estimated Tax Revenues from Uranium as a Non-Renewable Resource: New Mexico, 1980-2000" (37 pages). San Juan Basin Regional Uranium Study, U.S. Department of Interior.

Brown, F. Lee, Associate Professor

"Energy and Fuels Production Scenarios for the Four Corners States and the Upper Colorado River Basin," with James Sawyer and David Abbey, in *Energy Development in the Southwest*, edited by Wilter O. Spofford Jr., Alfred L. Parker, and Allen V. Kneese. Resources for the Future, Washington, D.C., September, 1980.

National Energy Development Issues in a Regional Setting, Allen Kneese and Lee Brown, Johns Hopkins Press for Resources for the Future, (forthcoming).

"An Energy Management System for the State of New Mexico," Shaul Ben-David, Jeff Baxter, Rod Lievano, and Lee Brown, report submitted to the New Mexico Energy and Minerals Department, December, 1980.

4. Publications (continued)

Brown, F. Lee, Associate Professor (continued)

"Water Reallocation, Market Proficiency, and Conflicting Social Values" Lee Brown, Brian McDonald, John Tysseling, and Charles DuMars in *Western Water Institutions in a Changing Environment*, John Muir Institute, Napa, California, December, 1980.

"Case Studies in the Development of New Mexico Water Resources Institutions: The Middle Rio Grande Conservancy District and Urban Water Pricing," Brian McDonald, John Tysseling, Michael Browde, and Lee Brown. Final report submitted to New Mexico Water Resources Research Institute, January, 1980.

"Conflicting Claims to Southwestern Water: The Equity and Management Issues," Lee Brown, *Southwestern Review of Management and Economics*, (forthcoming).

"The Economic Benefits to New Mexico and New Mexico Water Users Arising from the Vermejo River: A report to the New Mexico Interstate Streams Commission," Lee Brown, et al., BBER, November 1980.

Burness, H. Stu, Professor

"Socioeconomic Analyses of the Proposed Waste Isolation Pilot Plant," *Proceedings of the 1980 National Waste Terminal Storage Program Information Meeting*, Office of Nuclear Waste Isolation, Columbus, Ohio, December 9-11, 1980.

"Risk: Accounting for an Uncertain Future" to appear in a special issue of the *Natural Resources Journal*: "Symposium on the Management of Nuclear Waste."

"Economic Aspects of Appropriative Water Rights," 7, No. 4, *Journal of Environmental Economics and Management*, 1980.

"Environmental Tradeoffs with Adoption of Cogeneration Technologies," *Journal of Environmental Economics and Management*, Vol. 8, No. 1, March, 1981.

"U.S. Reclamation Policy and Indian Water Rights," *Natural Resources Journal*, Oct. 1980 (with R.G. Cummings, et al.).

"The Turnkey Era in Nuclear Power," (with D. Montgomery and J. Quirk), *Land Economics*, 56, No. 2, May, 1980, p. 188-202.

"Capital Contracting and the Regulated Firms," *American Economic Review*, (with J. Quirk and D. Montgomery), vol. 30, No. 3, June, 1980, p. 342-354.

"Thermodynamic and Economic Concepts as Related to Resource-Use Policies," *Land Economics* (with R. Cummings, et al.), 56, No. 2, Feb. 1980, p. 1-9.

"Water Law, Water Transfers and Economic Efficiency: The Colorado River," *Journal of Law and Economics* (with J. Quirk), Vol. XXIII, April, 1980, p. 111-134.

"Perceived Risk and Catastrophic Events," conditionally accepted by *Public Policy*.

4. Publications (continued)

Chung, Pham, Professor

"On the Constancy of Factor Shares and the Cobb-Douglas Function," Journal of Economics (refereed Proceedings of NVEA Conference, Feb.-Mar., 1980, Memphis, TN.).

"U.S. and German Aggregate Production Functions: A Statistical Analysis" North-Holland Publishing Co. (forth) (Refereed Proceedings of International Time Series Meeting, June 1980, Houston, TX).

"Taxation of Electricity Generation," Natural Resources Journal (with Al Church and Channing Kury).

Church, Albert, Associate Professor

Risk and Return - The Least you Need to Know About Investment, in press with Prentice Hall.

Taxation of Nonrenewable Resources, in press with Lexington Book.

"State Taxation of Coal - Revealed preferences of Economic Development versus the Tax Exploitation of a Natural Resources," Western Tax Review, May 1980.

Review of The World Copper Industry, Natural Resources Journal, April 1980.

"Taxation of Electricity Generation," Natural Resources Journal, (with P. Chung and C. Kury).

Cummings, Ronald, Professor

"Entropy and the Theory of Exhaustible Resources," Land Economics, Vol. 56, No. 1, pp. 1-9, February, 1980.

U.S. Reclamation Policy and Indian Water Rights," Natural Resources Journal, October, 1980.

"Environmental Trade-Offs with the Adoption of Cogeneration Technologies," Journal of Environmental Economics and Management, February 1981.

"The Role of Dynamic Optimization Models in Natural Resource Systems: A Case Study for HDR Geothermal Resources," Management Science, March 1981.

Gisser, Micha, Professor

"Some Additional Economic Aspects of Ground Water Resources and Replacement Flows in Semi-arid Agricultural Areas," Co-Author David A. Sanchez, International Journal of Control, vol. 31, February 1980.

"Benefits of Resource Scarcity: A Case Study of the Farm Sector," Co-Author Keith Willett, Land Economics, vol. 56, May 1980.

"Reply" (to Revesz and Krzysztofowicz), Water Resources Research, vol. 16, August 1980.

"Competition versus Optimal Control in Groundwater Pumping," Co-author David A. Sanchez, Water Resources Research, vol. 16, August 1980.

4. Publications (continued)

Gregory, Peter, Professor

"An Assessment of Changes in Employment Conditions in Less Developed Countries," Economic Development and Cultural Change 28:4, July, 1980, pp. 673-700.

"Employment, Unemployment, and Underemployment in Latin America," Statistical Bulletin of the OAS, Oct. Dec., 1980.

Hamilton, David, Professor

"Reflections on the Future of Institutionalism: The Present Health, Samuelson Notwithstanding" Economic Forum, Summer 1980.

Review of Poverty, Explanations of Social Deprivation by Robert Holman, St. Martin's Press in Journal of Economic Issues, September 1980,

Review of the World of Goods by Mary Douglas, Basic Books, Social Science Journal, January 1981.

Jonas, Paul, Professor

"Questions of Capital Formations in Developing Countries," (in French) Information Economique Africaine (Algeria: April 1980)

"Some Problems of the North-South Dialogue," (in French) La Tunisie Economique (Tunis: May 1980).

"Disguised Unemployment, in Less Developed Countries," (in French) Supplement and Economique de Revue (Abidjan, Ivory Coast, June 1980).

Norton, Roger, Professor

R.D. Norton and L. Solis M., editors, The Book of Chac: Programming Studies for Mexican Agriculture, final version accepted for publication by The Johns Hopkins University Press, 1981.

"A Macroeconometric Model of Inflation and Growth in South Korea" (with S.Y. Rhee), in Economic Stabilization in Developing Countries, edited by M. Cline and S. Weintraub, The Brookings Institution, Washington, D.C. 1980.

"Socio-Economic Analyses of The Proposed Waste Isolation Pilot Plant" (with H.S. Burness and R.G. Cummings), Proceedings of the 1980 National Waste Terminal Storage Program Information Meeting, Office of Nuclear Waste Isolation, Columbus, Ohio, December 9-11, 1980.

"Market Equilibrium Computations in Activity Analysis Models," accepted for publication in Operations Research, early 1981.

"State and Local Policy Issues in the Transportation of Nuclear Waste," accepted for publication in Natural Resources Journal, April, 1981.

"The Costs of Emergency Preparedness for Radioactive Materials Shipments" (with Albert M. Church), accepted for publication in Natural Resources Journal, April, 1981.

4. Publications (continued)

Norton, Roger, Professor (continued)

"Agricultural Sector Programming Models: A Review of Alternative Approaches" (with G. Schiefer), accepted for publication in the European Review of Agricultural Economics, 1981.

"Perceived Risk and Catastrophic Events" (with H.S. Burness and R.G. Cummings), conditionally accepted for publication in Public Policy, 1981.

"National Forest Use Alternatives under the Renewable Resources Planning Act: A Critique" (with H.S. Burness and R.G. Cummings), under review for Land Economics.

Parker, Alfred L., Professor and Chairman

Walter O. Spofford, Jr., Alfred L. Parker, and Allen V. Kneese, Editors, Energy Development in the Southwest, Problems of Water, Fish and Wildlife in the Upper Colorado River Basin, Vol. I and II, 1980, Resources for the Future, Washington, D.C., Johns Hopkins University Press, Baltimore, Md., 523 pages and 541 pages.

Chapter 5, "Potential Impacts of Energy Development on Land use and Recreation in the Upper Colorado River Basin," Energy Development in the Southwest, Problems of Water, Fish and Wildlife in the Upper Colorado River Basin, Walter O. Spofford, Jr., Alfred L. Parker, and Allen V. Kneese, Editors, Vol. I, Resources for the Future, Washington, D.C., Johns Hopkins University Press, Baltimore, Md., 1980, pp. 300-330.

"The Energy Crisis -- The Problem in Perspective," Arizona Energy Education, forthcoming, January 1981.

"Limiting State Coal Severance Taxes?" New Mexico Business Journal, forthcoming, February, 1981.

5. Other research projects or creative work in progress or completed during the period.

Ben-David, Shaul, Professor

1979 - 1981: Co-Principal Investigator, NMED, "Energy Management System," \$103,868.

1979 - 1981: Principal Investigator, NMWRI, "High Plains Regional Study-DCM," \$59,640.

1979 - 1980: Principal Investigator, RFF, "Economic & Environmental Policy Analysis of Hazardous Materials," \$32,520.

1979 - 1980: Principal Investigator, EPA, "Valuing Visibility Benefits in National Parklands," \$28,895.

1979 - 1980: Principal Investigator, USGS, "Methods Development for Assessing the Value of Hazards Information," \$32,669.

1979 - 1980: Principal Investigator, LASL, "Passive Solar Economics and Market Analysis," \$36,950.

1980 - 1981: Principal Investigator, LASL, "Implications of a National Retrofit Program", \$12,000.

1980 - 1982: Principal Investigator, NSF, "A Study of the Ethical Foundations of Benefit-Cost Analysis Techniques", \$52,084.

Boyle, Gerald, Professor

"Model for Predicting Medicaid Expenditures, Prepared for Human Services Department (125 pages).

Report to the Governor on the New Mexico Economy in 1981.

Continued as Chairman of Governor's Economic Council and am trying to adapt SWEET model to a useable long-run forecast of the New Mexico Economy.

"Economic Analysis of the Proposed Mount Taylor School District," All Indian Pueblo Council.

Brown, Lee F., Associate Professor

1/81-9/81: FOR-UNM Development, Four Corners, \$ 50,795

1979 - 1981: Co-Principal Investigator, EMS (Phase II) with Ben-David and Lievano, "EMD" 103,868

1980 - 1981: Principal Investigator, Vermejo, "New Mexico Interstate Stream Commission." 33,501

1978 - 1980: Changing Water Institution (through John Muir Institute) with Weatherford, Ingran, Mann, DuMars, et al., NSF. 206,000

1980 - Principal Investigator, Experimental Census Intern Program, "Four Corners." 12,000

5. Other Research Projects (continued)

Burness, H. Stuart, Professor

6/79 - 3/80: "A Socio-economic Analysis of the Proposed Waste Isolation Pilot Project." Department of Energy, \$ 380,000

10/79 - 9/81: "Economic Aspects of Water Use in Arid Environments," National Science Foundation. \$ 142,000

Chung, Pham, Professor

"Notes on an Evaluation of the Constancy of Factor Shares."

"On an Estimation of the Production Function."

"On a Determination of the Elasticities of Capital and Labor Efficiencies."

"On Neo-Classicism and Institutionalism."

"Notes on the Implications of the Depository Institutions Deregulation Act of 1980 for Monetary Control."

"Costs of EPA and other Regulations, Factor-augmenting Cum Factor-absorbing Technical Change, and Economic Growth: A Methodological Exercise in Estimation." (completed)

"Notes on Money and Economic Growth" (in progress).

Church, Albert, Associate Professor

The Economic Effects of Nominal and Effective State and Federal Tax Structures on the Exploitation of Nonrenewable Resources - final report to the National Science Foundation, (grant period completed in 1979) \$ 124,400

A Study of the New Mexico Liquor Control Act, consultant and author of section on taxation -- Alfred L. Parker, Principal investigator.

Cohen, Sanford, Professor

Preparing chapter for book on New Mexico labor edited by Prof. Kern; History Department.

General research on questions of labor policy.

Cummings, Ronald, Professor

"National Forest Use Alternative Under the Renewable Resources Planning Act: A Critique," under review with Land Economics.

"Perceived Risk and Catastrophic Events" under review with Public Choice.

"Ex Ante Optimality and Spot Market Economies," Social Science Working Paper No. 365, California Institute of Technology, December, 1980.

"A Socio-Economic Analysis of the Proposed WIPP," draft report, December, 1980. Prepared for the Department of Energy and Minerals, research contract (\$389,000) covering period summer 1979-February, 1981.

On-going research for "Water Resources Management in the West," National Science Foundation contract (\$115,000), Oct. 1, 1979-Sept. 1, 1981.

5. Other Research Project (continued)

Gisser, Micha, Professor

Water rights in New Mexico, Special problems of ground water rights.

Welfare loss due to monopolistic pricing. Pricing of exhaustible natural resources, etc.

Gregory, Peter, Professor

Research in progress: Study of the evolution and functioning of the labor market in Mexico 1950-80. Field work in Mexico, summer 1980, supported by the World Bank.

Hamilton, David, Professor

Review of Jon Adams (ed.), Institutional Economics: Essays in Honor of Allan G. Gruchy, scheduled in Journal of Economic Issues.

"Ayre's 'Theory of Economic Progress': Its Place in Economic Literature," article in American Journal of Economics and Sociology, scheduled.

Completed, but not all in final typing, 500+ pages on a Layman's intro. to economics.

Jonas, Paul, Professor

"Problems of Current Inflation in the United States," in James Tobin (ed.) Inflation Through the Ages (New York: Columbia University Press) 1981.

Paul Jonas (ed.) with Cheikh Ba, Boubakar Barry, et al. Les Migrants et l'Economie Monetaire en Senegambia (The Migrants and the Monetary Economy in Senegambia) Volumes I., II., III., (Dakar, Senegal: June 1980). Agence des Etats-Unis pour le Development International Contract N. AID/AFR-C-1363.

Norton, Roger, Professor

Co-author of "A Socio-Economic Analysis of the Proposed Waste Isolation Pilot Project," funded by the U.S. Department of Energy and the New Mexico Energy and Minerals Department.

Parker, Alfred, Professor and Chairman

A Study of the New Mexico Liquor Control Act, June 1980 - August 1980, a research project funded by the State Attorney General, State Department of Commerce and Industry, the Albuquerque Chamber of Commerce and the City of Albuquerque (\$22,000). Final Report, 212 pages.

"Natural Gas Study" with Fred Roach and Shaul Ben-David, study funded by Public Service Company of New Mexico, January 1980, 59 pages.

"New Mexico Coal Production Study" with Fred Roach and Shaul Ben-David, study funded by Public Service Company of New Mexico, January 1980, 50 pages.

5. Other research projects (continued)

Talby, Donald, Associate Professor

For General Atomic Company, Labor Availability in the Grants Uranium Region, May, 1980.

For Anaconda Copper Company, (N.M. Operation) Socio-Economic Impact of the Anaconda Uranium Mill, Bluewater, New Mexico.

In progress:

1. above prepared as consultant to GAC and expert witness for GAC in legal proceedings.
2. above being prepared as consultant to Anaconda in conjunction with mill license renewal application.

6. Activities in learned and professional societies (meetings attended, etc.)

Ben-David, Shaul, Professor

2nd Annual Systems Simulation and Economic Analysis Conference, San Diego, CA, Jan. 23-25, 1980.

1980 Solar Jubilee, Phoenix, AZ, June 2-8, 1980.

SolWest '80, Joint Solar Conference, University of British Columbia, Vancouver, British Columbia, August 6-10, 1980.

Fifth National Passive Solar Conference, University of Massachusetts Amherst, Massachusetts, October 19-26, 1980.

3rd Miami International Conference on Alternative Energy Sources, Miami Beach, FL, Dec. 15-17, 1980

Brown, Lee F., Associate Professor

"Energy and Fuels Production Scenarios for the Four Corners States and the Upper Colorado River Basin," with James Sawyer and David Abbey, in Energy Development in the Southwest, edited by Walter O. Spofford, Jr., Alfred L. Parker, and Allen V. Kneese, Resources for the Future, Washington, D.C. September, 1980.

"Water Reallocation, Market Proficiency, and Conflicting Social Values." Lee Brown, Brian McDonald, John Tysseling, and Charles DuWors in Western Water Institutions in a Changing Environment, John Muir Institute, Napa, California, December, 1980.

Burness, H. Stuart, Professor

"Perceived Risk in Nuclear Waste Transport," presented at the Department of Energy's conference on Waste Management, December 1980.

"Perceived Risk and Catastrophic Events," presented at the Western Economic Association Meetings in San Diego, June 1980.

"U.S. Reclamation Policy and Indian Water Rights," presented at Bureau of Indian Affairs' conference in Denver, November 1980.

6. Activities in learned and professional societies (continued)

Chung, Pham, Professor

Discussant of Papers: "Storage Cost and Supply Response Under Competitive Conditions" (MVEA Conference, 1980): "Keynes as a Cycle Theorist: A Forgotten Keynes" and "A Comparison of PreKeynesian and Keynesian Wage Theory" (Western Social Sciences Conference, Albuquerque, 1980).

Church, Albert, Associate Professor

Participant in Coal Research Conference White Sulphur Springs, West Virginia, February 1980.

Special consultant and paper presenter to National Academy of Sciences Natural Resources Taxation, Michigan, June 1980.

Cohen, Sanford, Professor

Attended meetings, National Academy of arbitrators, Los Angeles, June.

Attended meetings, American Economic Association and Industrial Relation Research Association, Denver, Sept. National officer nominating committee, IRRA.

Cummings, Ronald, Professor

Member, Editorial Board, Land Economics.

Member, Board of Directors, Association of Environmental and Resource Economists (elected in December, 1980 for the year 1981).

Member, Panel on Climatic Impacts, National Academy of Sciences (1980-81).

Consultant, Committee on Energy and Natural Resources, United States Senate, 1980.

Participant, "Symposium on Renewable Natural Resources," sponsored by the Department of Agriculture and Fundacion Chile, Santiago, Chile, December, 15-17, 1980.

Participant, "Fifth Symposium on the Environment of the Gulf of California," Mexicali, Mexico, February 13-16, 1980.

"Perceived Risk and Catastrophic Events," read at the Western Economic Association meetings, San Diego, CA, June 15-17, 1980.

"Socio-economic Issues Related to Nuclear Waste Disposal," read at the Symposium on Nuclear Waste Disposal, Office of Nuclear Waste Management, Battelle Laboratories, Columbus, Ohio, December 10-11, 1980.

Reviewed Studies prepared by the International Institute for Applied Systems Analysis (Vienna, Austria) for the National Science Foundation (June, 1980)

Frequent reviewer of profession papers for Land Economics, Journal of Environmental Economics and Management, American Economic Review and American Journal of Agricultural Economics.

6. Activities in learned and professional societies (continued)

Gregory, Peter, Professor

Presented paper, "The Evolution of Employment Conditions in Latin America," at annual meetings of the Rocky Mountain Council on Latin American Studies, Santa Fe, N.M., April 4, 1980.

Discussant of paper by Wm. Cole and Richard Sanders, "Sexual Dualism in the Mexican Labor Force," annual meetings of Rocky Mountain Council on Latin American Studies, Santa Fe, N.M. April 4, 1980.

Presented paper, "Preliminary Report on Development of the Mexican Labor Market," Workshop on Research in Labor Markets in Developing Countries, The World Bank, Washington, D.C., May 5, 1980.

Hamilton, David, Professor

President of The Association for Institutional Thought - Sandia, WSSA Meeting.

Program chairman for the economics section of the Western Social Science Association, Spring, 1980 meeting.

Jonas, Paul, Professor

"Collaboration in Hungary during the Germany Occupation" at the annual meeting of the Association for the Advancement of Slavic Studies. (Philadelphia, PA., November 28, 1980).

Norton, Roger, Professor

"Perceived Risk and Catastrophic Events" (with H.S. Burness and R.G. Cummings), invited paper delivered at the 55th Annual Conference of the Western Economic Association, San Diego, CA, June 16, 1980.

Discussant at the Seminar on Social and Economic Relations between Mexico and the United States, Stanford University, November 13-15, 1980.

"Current Status of the Korean Economy and the Fifth Five-Year Plan," report to the Korean government and the World Bank, August, 1980.

"Mexican Agriculture Toward 2000," report to the United Nations Food and Agriculture Organization, December, 1980.

Parker, Alfred L., Professor and Chairman

Participant in Economic Seminar "Anatomy of a Rate Case; sponsored by Mountain Bell Telephone, June 8-12, 1980, Denver, Colorado.

7. Other Professional Activities (exhibits, concerts, etc.)

Brown, Lee, F., Associate Professor

New Mexico Energy Institute - Board member;
Faculty coordinator, Experimental Census Intern Program, joint project of the U.S. Bureau of the Census and the UNM.;
New Mexico Water Resources Research Institute- member Program Review Board;
Albuquerque Economic Development Advisory Committee - member;
Testimony before a Special Master of the U.S. Supreme Court on a water case.
John Muir Institute for Environmental Studies.

7. Other Professional Activities (exhibits, concerts, etc.)

Burness, H. Stuart, Professor

Regular reviewer for: American Economic Review and Journal of Environmental Economics and Management.

Consulting:

- a. Expert testimony re water rights, Jicarilla Apache vs. City of Albuquerque, et al.
- b. Research report for EPA concerning the economic damages of particulate related soiling.
- c. An assessment of the Forest Services' 1980 RPA program. Prepared for Henry Jackson's Senate Energy Committee.
- d. Preparation of expert testimony re Indian Water Rights. Shoshone vs. State of Wyoming.

Cohen, Sanford, Professor

Arbitration of labor-management disputes in New Mexico, Colorado, Texas, Arizona, Oklahoma, Nevada, Arkansas, Louisiana, Pennsylvania.

Assisting Professor Kern, History Department to organize national meeting of SW Labor Society meeting Albuquerque, May 1981.

Cummings, Ronald, Professor

Two or three talks given to local service clubs for the JNM Public Speaker Service.

Gregory, Peter, Professor

Consultancy with The World Bank.

Referee for Economic Development and Cultural Change.

Hamilton, David, Professor

Contributing Editor (New Mexico Independent)

- a. "Oil--an annotant bibliography (or knowing what we don't know)" 1/4/80
- b. "The story of the seven little oil companies and how they grew." 2/1/80
- c. "Oil companies have controlled price by controlling supply." 6/13/80
- d. "Oil shortage is real and profitable to both OPEC and the oil cartel." 7/18/80

Jonas, Paul, Professor

International: Lecture tour in Ivory Coast, Tunisia and Algeria sponsored by the U.S. International Communication Agency about various problems of economic development. Lectures in institutions of higher education, governmental agencies, Chambers of Commerce, Newspaper, radio and television interviews, June 1980.

7. Other Professional Activities (exhibits, concerts, etc.) (continued)

Jonas, Paul, Professor (continued)

"The Necessity of Economic Integration in West Africa," as a member of the Senegalese delegation in the meeting of the Organization of African States Bamako, Mali, January 8, 1981.

Lecture tour in Mali, Guinea, Senegal sponsored by the U.S. Department of State before institutions of higher education, governmental agencies about various questions of the North-South dialogue and techniques of dynamic multi-sectoral planning models. (Jan. 1981).

Horton, Roger, Professor

Editor, The Southwestern Review of Management and Economics.

Advisor to:

1. the Mexican government on implementation of an agricultural policy planning model.
2. the Korean government on medium-term macroeconomic policy issues.
3. the United Nations Food and Agriculture Organization on Mexico's agricultural prospects.
4. the World Bank on economic policy issues in Niger.
5. UNM's BBER on the measurement of economic benefits associated with the use of Vermejo River waters.

Parker, Alfred L., Professor and Chairman

"The Energy Crisis -- The Problem in Perspective," WEST Associates Seminar, National Science Teachers Association, National Council for the Social Studies, October 23, 1980, Sheraton Inn, Albuquerque, NM.

"Liquor License Laws in New Mexico," KHFM Radio, Interview concerning Liquor Study.

Consultancies:

Antitrust Section, State Attorney General, Department of Taxation and Revenue (Franchise litigation).

Jicarilla Apache Tribe (Oil and Gas litigation, economic development).

Los Alamos Scientific Laboratories (Clean Air Act 1970 Solar Energy).

Tailby, Donald, Associate Professor

Consultant for General Atomic Company, San Diego, CA, Jan. through July, 1980.

Consultant for Anaconda Copper's Bluewater, NM, Uranium mill, Nov. through December 1980.

8. Non-teaching University service (administrative, committee work, faculty advisor, etc.)

Ben-David, Shaul, Professor

Computer Use Committee.

Boyle, Gerald J., Professor

Chairman, thesis committee for Al Henderson.

Member, thesis committee for David Manspeaker, Public Administration.

Member, dissertation committee of Patrick Garcia, Ed. Admin.

Member, BBER Committee.

Brown, F. Lee, Associate Professor

Director, BBER, 1980.

Burness, H. Stuart, Professor

1. Mathematical Statistics - Rick Salmon
2. Regulations - Richard Holden
3. Energy - Mike Dickson
4. Environmental - Don Morgan
5. Comparative Statistics - Bernie and Bill Waller

Dissertation Committees:

1. Connie Arundale
2. Keith Willett
3. Judy Nelson

Recruiting Committee:

Micro Comprehensive examination Committee.

Chung, Pham, Professor

Chairman, Ph.D. Dissertation Committee; Chairman M.A. and Ph.D. Macroeconomics Committee.

Church, Albert, Associate Professor

Faculty advisor to Omicron Delta Epsilon.

Cohen, Sanford, Professor

A&S Promotion Committee, A&S Sabbatical Review Committee, Faculty Advisory Committee, American Studies, Graduate Student Advisor, Department of Economics.

Cummings, Ronald G., Professor

- a. Coordinator, Resource Economics Program.
- b. Faculty Advisor to four Ph.D. students.
- c. Chairman for two ongoing Ph.D. dissertation.

Gisser, Micha, Professor

Micro Ph.D. Core committee: Micro M.A. Core Exam. Committee.

8. Non-teaching University service (administrative, etc.)

Gregory, Peter, Professor

Vice-President, Latin American Conciliium.

Member, Executive Committee, Latin American Institute.

Member, Budget Committee, Latin American Institute.

Chairman, NDEA and Tinker Grants Committee; Latin American Institute.

Member, A and S Dean's Advisory Committee on Latin American Studies.

Member, Interdisciplinary Committee on Latin American Studies.

Member, Recruitment Committee, Department of Economics.

Member, Coordinating Committee for UNM-University of Sao Paulo Program.

Chairman, Ph.D. Dissertation Committee of Ben Severn.

Member of 3 Ph.D. dissertation committees of ASM students with Latin American emphases: Tom Becker, Charles Crespy, and Van Miller. (I have been an active adviser to these students ever since they took courses with me.)

Member of 6 Committees on Studies of M.A. candidates in Latin American Studies. All of these candidates are presenting economics as one of their fields. (Peterson, Lee, Fajardo, Martinez, Murray, and Whiteside).

Graduate student in independent study - Joe Ndinteh.

Hamilton, David, Professor

Member of Athletic Council in spring semester.

Chairman, Academic Freedom and Tenure Committee, spring semester.

Member Senate and Ops. Committee of Senate, spring semester, currently on student Pub. Board.

Library liaison for Department of Economics.

Jonas, Paul, Professor

Committees: Russian Studies; Asian Studies, European Studies.

Norton, Roger, Professor

Chairman, Committee on a graduate program in development economics;

Advisor to Vera Aragon, Keith Willett, Jim Ross Thomas.

Advising Bruce Bybee on his honor's thesis regarding uranium price formation.

8. Non-teaching University service (administrative, etc.)

Parker, Alfred L., Professor and Chairman

Member, Public Administration Division Advisory Committee, 1979-present.

Member, Bureau of Business and Economic Research Advisory Board.

Member FOR-UNM (Economic Forecast for NM) Advisory Board, 1979-present.

Chairman, Department of Economics, UNM, Albuquerque, NM.

Tailby, Donald, Associate Professor

Several thesis and dissertation Committees.

9. Public Service (church activities, community chest, boy scouts, etc.)

Ben-David, Shaul, Professor

Member Board of Trustees of Congression B'nai Israel and Chairman of the Education Committee; Member of Adult Committee of B'nai Brith Youth Organization.

Boyle, Gerald J., Professor

Continue as member of Policy Advisory Committee of the New Mexico Human Services Department.

Church, Albert, Associate Professor

Vice President of the Board of Albuquerque Dance Theater.

Cohen, Sanford, Professor

Board of Directors, Rio Grande Planned Parenthood Fed.

Gisser, Micha, Professor

Member, Board of Directors, the Experiment in Jewish Learning.

Member, Board of Directors, Hebrew School, Chavurat Hamidbar.

Member, Board of Directors, Chavurat Hamidbar.

Gregory, Peter, Professor

Member, Board of Directors and Executive Committee, Albuquerque, Opera Theatre.

Hamilton, David, Professor

Member State Labor and Industrial Commission.

Member Albuquerque City Campaign Practices Board.

Attended the funeral for Mrs. Hawk.

Tailby, Donald, Associate Professor

Vice President, New Mexico Mountain Club.

The Report of the Department of English
July 1, 1980 - June 30, 1981
Hamlin Hill, Chairman

1. GENERAL INFORMATION

A. Honors. The Department received two grants from the Witter Bynner Foundation, one to hold a Creative Writing Workshop at the D. H. Lawrence Ranch in Taos at the end of the summer of 1980, the other (co-sponsored by the Library) to commemorate Witter Bynner's centenary during the Fall of 1981. Mary Power organized a highly successful James Joyce Symposium, with financial assistance from the Provost's office, in early June. David Jones received a Fulbright lectureship to New Zealand for the 1981, Fall, semester, and Mike Fischer was honored with a fellowship to the School of Criticism and Theory for the summer of 1981. Hamlin Hill taught a NEH Seminar for College Teachers on campus during the 1981 Summer Session. The 1981 recipient of the D. H. Lawrence Fellowship was Richard Currey of Los Lunas. Two undergraduate majors, Sarah Ann Wider and Ruben Sanchez, received scholarships to Cornell University to do graduate work.

B. Personnel. In addition to two exchange visitors--Professor Phillip Herring from the University of Wisconsin with Mary Power, and Professor Phyllis Thompson from the University of Hawaii with Gene Frumkin--five new faculty members joined the Department for the coming year: Lee Bartlett from the University of California at Davis, Lynn Beene from the University of Kansas, Helen Damico from the University of Minnesota, David Dunaway from the University of California at Berkeley, and Rick Eden from U.C.L.A. With significant commitments to various writing and rhetorical areas of specialization,

they are welcome additions to our department. Bill Dowling, Mike Fischer, and Patricia Smith were promoted to Associate Professor and Dowling and Fischer received tenure this year. E. W. Baughman retired on June 30, 1981, and Jane Kopp and Zane Taichert both resigned at the end of the Spring, 1981, semester. They are a significant loss to the English Department. Marcia Tillotson's death on June 13 was a tragic shock to us all.

C. Curriculum. The Undergraduate Curriculum revision became a reality in 1980-81, and will enter the next UNM catalog. New major requirements focus on various alternatives for the degree in English; a series of new service courses aiming at both undergraduates and graduate students in other disciplines received final approval; two new courses, 298 and 498, will serve as workshops in off-campus locations. Paul Davis has accepted the revived position as Undergraduate Director and will coordinate the various facets of our new undergraduate program.

The Graduate Committee is presently discussing revision of the graduate requirements and should have recommendations for the entire department during the coming academic year.

II. REPORTS OF STANDING COMMITTEES

A. Freshman English Program

Director: Michael Hogan

Assistant Director: Peter Page

Freshman English Committee: Michael Hogan, Chair, Peter Page, Kris Lackey, Dan Mahoney, Zane Taichert, Joseph Zavadii.

Two events significantly affected the freshman English program during the 1980-81 year: the continued increases in our enrollments and the introduction of a final examination in English 102 comparable to the CST.

Numbers tell the story about the growth of the freshman English program:

Fall 1978	3290 students in 131 sections, with 85 classes taught by TAs, 18 by senior faculty, and 28 by part-time temporary lecturers.
Spring 1979	2570 students in 104 sections, with 83 classes taught by TAs, 9 by senior faculty, and 12 by part-time temporary lecturers.
Fall 1979	3800 students in 147 sections, with 95 classes taught by TAs, 18 by senior faculty, and 34 by part-time temporary lecturers.
Spring 1980	2915 students in 116 sections, with 85 classes taught by TAs, 18 by senior faculty, and 13 by part-time temporary lecturers.
Fall 1980	3940 students in 151 sections, with 92 classes taught by TAs, 18 by senior faculty, and 41 by part-time temporary lecturers.
Spring 1981	3220 students in 128 sections, with 86 classes taught by TAs, 21 by senior faculty, and 21 by part-time temporary lecturers.

In addition to simple growth, the figures also indicate our increased reliance on part-time temporary lecturers to teach Freshman English courses. This pattern, along with an expected decline in the number of sections taught by TAs and an expected increase in the number of sections taught by senior faculty, marks having a trained, happy staff as one troublesome area for the freshman English program in the near future.

The new final examination for English 102 has been important for several reasons. Most important, it has let us place the ultimate vehicle for measuring competence in writing at UNM within our regular sequence of coursework. The colleges requiring the CST

now accept passing the 102 final as a demonstration of writing competence equivalent to passing the CST. Consequently, our sequence of courses now has greater internal and external integrity. The new final exam in 102 has also meant changes in the 102 syllabus, especially an increased emphasis on teaching analytic writing day after day in the course.

B. Creative Writing Program

Director: Rudolfo Anaya

Committee: Gene Frumkin, Chair, (Fall 1981)
 Rudolfo Anaya, Chair, (Spring 1981)
 David Johnson, Pat Smith, Members

Two major projects were undertaken this year: 1. Last year the Creative Writing Fellowship raised enough funds (\$600.) to award Pamela Blair the first fellowship for her excellence in poetry. The second fellowship will be announced this summer. 2. A Creative Writing flyer which provides information about our program was designed. If funds for printing are received we will have the flyer available in the fall.

Gene Frumkin coordinated the Fifth Annual Creative Writing Workshop, funded in part by The Witter Bynner Foundation for Poetry, Inc. at the D. H. Lawrence Ranch, August 10-16, 1980. Rudy Anaya Gene Frumkin and Simon Ortiz, taught the seminar sessions. Lecturers were Mei-Mei Berssenbrugge, Harold Littlebird, John Nichols, Cleofas Vigil, and Frank Waters. Twelve scholarships were awarded and twenty-one tuition paying students attended.

The American Academy of Poets prize was awarded to Ted B. Greer.

The Lena M. Todd Memorial was presented to Glen Woodward for fiction and to Andrea-Bess Baxter for poetry.

Rudolfo Anaya received a NEA Creative Writing Fellowship for Fall, 1980, semester, to do work on a novel.

Phyllis Thompson, Professor of English (Director of Creative Writing) at the University of Hawaii, will be exchange Professor with Associate Professor, Gene Frumkin, for the academic year 1981-82.

C. Graduate Program

Graduate Director: James Barbour

Graduate Committee: Barry Gaines, Pat Gallacher, Wendy Jones, and Pat Smith (additions to the Examining Committee: Ivan Melada and Marcia Tillotson).

In 1980-81 there were 69 students actively enrolled in courses in the English Graduate Program. During the year four students completed their dissertations and received their doctorates: Jeffrey Buckels ("I Am Not Ill at All": The Comedy of Frank O'Hara), Mary Hurley Moran ("Existing within Structures": Margaret Drabble's View of the Individual), Orlee E. Holder (Archetypal Patterns in the Fiction of Anais Nin), and Timothy Weiss (From Fairy Tales to Edwardian Romance: A Study of Ford Madox Ford). Five students passed their doctoral comprehensives: Stephanie Kauffman, Mike Shearer, Luis Lopez, Rosalie Peralta, and Bernadette Synder. James Wilson presented his doctoral project, "The Melville-Hawthorne Connection: An Annotated Bibliography." And three candidates received their Master's degrees: Nancy May, Theresa Salazar, and Joseph Zimmerman.

Our graduate students also received their share of honors this year. James Wilson was awarded a Graduate Fellowship with a stipend of \$900. He was one of four graduate students throughout the University to be selected for the award, which recognized that the American Transcendental Quarterly devoted an issue to the publication of his Melville-Hawthorne bibliography and the Arizona Quarterly accepted his article, "'Bartleby': The Walls of Wall Street." In addition Wendy Jones received the A.A.U.W. prize of \$200 for academic excellence, and Luis

Lopez was awarded a tuition waiver by the Graduate School for his academic performance.

Several changes were made in examination procedures. Senior faculty were appointed as proctors to oversee the doctoral and master's exams. We decided, with the approval of the P & P Committee, that doctoral candidates would have to pass their major field exams before writing their minor field exams--the exams were therefore separated by a period of two weeks; it was also decided that having passed the major field exam, candidates would only have to retake minor field areas, if necessary.

Graduate reading lists were compiled for the following areas: Literary Criticism, Sixteenth Century, Earlier Seventeenth Century, Restoration and Eighteenth Century, Nineteenth-Century American, and Twentieth-Century American. The remaining lists should be completed by the fall semester of 1981. The Committee believes the lists will broaden the students' reading and better prepare them for the graduate examinations.

This summer we are sending out a brief questionnaire to graduate English departments in the West inquiring into the salary scale and teaching load for Teaching Assistants. We lost several top candidates for Assistantships this year, and they gave as an explanation that they were offered more elsewhere. If this is true, then we will either have to raise our salaries and reduce our workloads or resign ourselves to second and third rate candidates. This will be a major topic for discussion in the coming year, as it seems clear that some change in the salary structure will have to be made. Other changes were initiated this year: courses have been projected for the next two years and posted

on the bulletin board; a sequence of courses from survey through selected seminars has been initiated, and a course in writing the professional paper will begin in the spring semester of 1982. We will continue discussions about altering the graduate examinations, changing the master's exam to a qualifying exam to be taken by all students, and reducing the number of comprehensive doctoral examination areas to two major fields. We will also begin discussion of the Teaching Assistantship and the possibility of changing it into an internship.

In conclusion we want to say that the Graduate Committee will miss Marcia Tillotson. She was asked to serve on the Examining Committee because we felt she would be of inestimable aid in rephrasing exam questions. She was. She made some of us mad when she forced us to clarify the questions, but she served us well, and we will miss her.

Marta Field served admirably as secretary. She made excuses for the Director, buried several skeletons and unearthed others, heard confessions and offered sympathy to the students, brutalized the Graduate Office, and did it all with aplomb and efficiency. She was given a cupcake for her birthday.

11. OTHER DEPARTMENTAL ACTIVITIES

A. The Department sponsored the following lectures during the year:

1. July 16, 1980 in conjunction with the New Mexico D. H. Lawrence Festival in Taos, and Santa Fe, four of the distinguished speakers were invited to lecture on the University of New Mexico campus. They were:

N. Scott Momaday, Pulitzer-Prize-winning author of House Made of Dawn and The Way to Rainy Mountain.

Stephen Spender, distinguished British poet and critic, author of Love-Hate Relations: A Study of Anglo-American Sensibility.

A. Alvarez, British critic and novelist, author of Samuel Beckett and The Savage God: A Study of Suicide.

Edward Albee, Pulitzer-Prize-winning author of Who's Afraid of Virginia Woolf and Zoo Story.

2. October 23, 1980, James Hart, curator of The Brancroft Library, Professor of English at the University of California, Berkeley, and the Phi Beta Kappa lecturer for the current year, presented a lecture on "Nineteenth Century Views of the Far West." He also held an "office hour" in our lounge for faculty and students.

3. January 22, Angelica Bell Garnett, Virginia Woolf's niece, of East Sussex, England, gave a presentation on her connection with Bloomsbury and its famous members (one of the most published--about areas in English literature and life today).

4. January 23, Sally M. Fitzgerald, nationally recognized critic on work of Flannery O'Connor, presented a lecture entitled "The Penetration of Experience: Permutations in the Fiction of Flannery O'Connor."

5. February 19, Professor Hartwig Isernhagen of the University of Würzburg, Germany, (currently visiting at the University of Texas) gave a lecture on "Thorstein Veblen, John Dos Passos and the development of Modernism in American Fiction."

6. March 9, Leo Levy, Professor of English at Arizona State

University, gave the annual exchange lecture. The lecture was entitled "Henry James: Consciousness and Kinship".

7. April 9, Bernard Richards, Fellow in English at Brasenose College, Oxford, currently at the University of Texas, gave a dramatic performance, "Young Yeats."

8. April 27, Joseph Visconti, Virginia Polytechnic Institute, gave a workshop-lecture on Blake's relief-etching processes and other 18th century graphics techniques.

9. April 29, Alberto Moravia, eminent Italian 20th century novelist, critic and journalist, in a Conference for faculty and students. Co-sponsored with Modern and Classical Languages, Comparative Literature, Theatre Arts, and Philosophy Departments.

IV. ANNUAL REPORT ON ACTIVITIES OF INDIVIDUAL FACULTY MEMBERS

2. SABBATICALS, ETC.

Rudolfo A. Anaya

- Semester I, 1980, National Endowment for the Arts Fellowship leave.
- 5th New Mexico Writers Workshop summer teaching.
- Travel to England, France, Spain and Mexico for research and writing.

Morris Eaves

- Visiting Associate Professor of English, Tulane University, Fall 1979, Spring 1980.

Robert Fleming

- Sabbatical leave, Fall Semester, 1980.

Gene Frumkin

- Sabbatical leave, Spring Semester, 1980.
- Taught a poetry seminar at the UNM Summer Writers Workshop, Summer, 1980, at the D. H. Lawrence Ranch.

Patrick Gallacher

- Research at the University of Michigan, Ann Arbor, Summer, 1980.

Hamlin Hill

- Fulbright Professor, University of Würzburg, Germany; lectures at University of Heidelberg, Stuttgart, Saarbrücken and Glessen: May-June, 1980.

David Johnson

- Research in Mesoamerican mythology, Mexico--July.

David Jones

- Research in Chicago and New York, Summer, 1980.

Ivan Melada

- Sabbatical, Spring, 1980. Worked on the Victorian historical novel, Cooper's Leather stocking novels, and Willa Cather's fiction.

Roy G. Pickett

- On the faculty of the Linguistic Society of America Summer Institute, Summer, 1980, UNM.

Helen-Jane "Zane" Taichert

- Travel to People's Republic of China, June, 1980.

James L. Thorson

- On sabbatical leave at Jesus College, Oxford, Semester I, 1980-81.
- Travel to The Netherlands, Belgium, France, Portugal, Spain, and Morocco.

2. continued

Mary Martha (Marta) Weigle

-Sabbatical, Spring Semester 1980

-Travel to Washington, D.C. for research: April-May, July, 1980.

Peter White

-Leave of absence for Fulbright Fellowship, University of Silesia, Katowice, Poland.

Hugh Witemeyer

-Sabbatical leave, Semester I, 1980

3. NEW SCHOLASTIC HONORS, ETC.

Rudolfo A. Anaya

-New Mexico Governor's Award for Literature, 1980

-Outstanding Graduate Award, Albuquerque High School, 100th Celebration.

-Doctor of Human Letters, conferred May 16, 1981, University of Alb.

William C. Dowling

-Fellow, National Humanities Center (NEH Senior Grant)

Semesters I & II, 1979-80.

-Elected Fellow of The Institute for Advanced Study in the Humanities, Edinburgh University, for academic year 1982-83.

Gene Frumkin

-Master Poet, New Mexico Poetry-in-the-Schools program; taught in the San Jon, NM. Public School system in the fall.

Hamlin Hill

-Director, NEH Summer Seminar for College Teachers for Summer 1981.

David R. Jones

-Fulbright Lecturer, Waikato University, Hamilton, N.Z.
June-December 1981.

Antonio Marquez

-Senior Fulbright Lecturer in American Literature-Columbia, South America, (Summer, 1980).

Peter C. Page

-Elected to Associate Faculty status in linguistics.

Mary Martha (Marta) Weigle

-\$15,000 from National Endowment for the Humanities, extending Grant, "Governmental support of the Arts in New Mexico, 1933-1943", from 1980-81.

Peter White

-Book on Benjamin Thompson awarded imprimatur of Center for Scholarly Editions of the Modern Language Association.
Nominated for Lowell prize.

4. PUBLICATIONS

Rudolfo A. Anaya

- Cuentos: Tales of the Hispanic Southwest, (Museum of New Mexico Press, 1980)
- Edited, Cuentos Chicanos, a short story collection, (New America, University of New Mexico, 1980).

Sharon R. Barba

- "A Cycle of Women" (Poem) in Literature: An Introduction, Ed. Edgar V. Roberts (Prentice-Hall, 1980).

James F. Barbour

- "Ball Four with Epilogue," The American Self: Myth, Ideology, and Popular Culture (UNM Press), 193-211 (with Wm. C. Dowling).
- "The Composition of Moby-Dick," Melville Society Extracts, 43 (Sept. 1980), 2-4 (with Harrison Hayford).

Ernest W. Baughman

- "Growing Up in a Folklore-Deprived Community," Folklore Studies in Honour of Herbert Halpert, St. John's, Newfoundland: Memorial University of Newfoundland, 1960, pp. 65-73.

Paul Davis

- "Signs of the Times, 1979," Southwest Images and Trends: Factors in Community Development, ed. Suzann M. Owings and Helen M. Bannan (Las Cruces, N.M.), pp. 76-80.

"Children of Innocence and Experience: The Changing Idea of the Child and the Delinquent in the Literature of the Nineteenth Century," in production.

William C. Dowling

- Language and Logos in Boswell (Princeton U.P., forthcoming)
- "Burke and the Age of Chivalry," Modern Language Review (forthcoming)
- "Tristram Shandy's Audience," Novel (Spring 1980)
- "Ball Four with Epilogue" (w. James Barbour), in The American Self, UNM Press.
- "Cereal-Box Heroes," (review of Tom Wolfe's The Right Stuff), Inquiry.

Morris Eaves

- "Teaching Blake's Relief Etching," Blake/An Illustrated Quarterly (winter 1979-80), pp. 140-47, illus.
- "Romantic Expressive Theory & Blake's Idea of the Audience," PMLA, 95(Oct. 1980), 784-801.

Michael Fischer

- "Rehabilitating Reference: Charles Altieri's 'Presence and Reference in a Literary Text,'" Critical Inquiry, 6 (Winter, 1979), 343-45. "The Collapse of English Neoclassicism," 24 (Summer, 1980), 338-59.
- "Is Literature Still Worth Discussing?," essay-review of Wayne

4. continued

Michael Fischer

- C. Booth, Critical Understanding, The Georgia Review, 34 (Fall, 1980), 678-81.

Robert Fleming

- Sinclair Lewis: A Reference Guide. Boston: G. K. Hall, 1980. xvii-240pp.
- Reprint of "Irony as a Key to Johnson's Autobiography of an Ex-Coloured Man," Twentieth Century Literary Criticism, ed. Sharon Hall. Detroit: Gale Research, 1980. Vol. 3, 247-48.
- Review of The Dime Novel Western. Rocky Mountain Review. 33 (Fall 1979), 223.
- Review of The Dairies of Willard Motley. ed. Jerome Klinkowitz. Black American Lit. Forum, 14 (Summer 1980), 84-85.
- Review of The Dairies of Willard Motley, ed. Klinkowitz. Analytical & Enumerative Bibliography, 4 (1980), 73-78.

Cheryl Fresch

- "As the Rabbins expound": Milton, Genesis, and the Rabbis" Milton Studies. To appear in 1981.
- "Paradise Lost, 1, 221-224: The Rearing of Satan" at Philological Quarterly (5pp.) (circulating)
- "The Visual-Verbal Dialectic in Hamlet" at English Literary Renaissance (43pp.) (circulating)

Gene Frumkin

-ANTHOLOGY (poetry)

- The Old Stories, "Anthology of Magazine Verse and Yearbook of American Poetry." Beverly Hills: Monitor Book Co., 1980, p.84
Editor: Alan F. Pater.

-POEMS

- "Margo, Patsy & Tom," Plumbers Ink, Vol. 2, No. 2, pp. 54-57.
- "Sketch from the Green Crypt," "The Hunter," Serpent's Egg: a Collection of Literature and Photography, First Edition, unnumbered.
- "Meeting Anais Nin's 'Elena,' 'The Hair,' 'Woman of the Red Brigade,' 'Perfecting the Soul,' 'A Conversation,' Beyond Baroque, #801, Spring 1980, Vol. 11, No. 1, pp. 24,25.
- "The Whore on Her Afternoon Off," "Driving to Cody, Wyoming, (August, 1976)," Puerto del Sol, Vol. 15, No. 1, pp. 41, 42.
- "One Morning," "Ocean Smell," "First Re-Source; "to Keep Watch," "The Politics of Sleep," Copula, Vol. 1, No. 1, pp. 13-16.

-FICTION

- "Tess Trueheart, How We Miss you!" New Mexico Independent, Vol. 85, No. 6, p. 7.
- "The Good Old Days on the Yangtze," New Mexico Independent, Vol. 85, No. 8, p. 12.

Barry Joseph Gaines

- "Another Example of Dialect in Speeches of the Nurse in Romeo and Juliet" accepted by Shakespeare Quarterly.

4. continued

Barry Joseph Gaines

- Book Reviews assigned: review of Page West Life, Sir Thomas Malory and the Mort d'Arthur (SAB); Muriel Bradbrock, Studies in Shakespeare (SQ); Arden edn. of Romeo and Juliet (ShakSt)

Patrick J. Gallacher

- "Shame and Recognition Scene in Coluccio Salutati and Natali Conti," in Acta Conventus Neo-Latini Amstelodamensis (Proceedings of the Second International Congress of Neo-Latin Studies, Wilhelm Fink Verlag, Munich, 1979, (published in 1980) pp. 426-439.

Hamlin L. Hill

- America's Humor (with Walter Blair), New York: Oxford Univ. Press, Galaxy paperback reprint, 559 pages (1980)
- "There Ought to Be Clowns: American Humor and Literary Naturalism," Prospects 5, pp. 412-422.
- Review, Macnaughton, Mark Twain's Last Years as a Writer, American Literary Realism 12:343-46.
- Review, Smith, Democracy and the Novel, Gelfant, Comic Relief, Banta, Failure and Success in America, Modern Fiction Studies 26:320-324.

Michael J. Hogan

- College Writing (Harper and Row), co-authored with Peter Page, (March 1981)

David Johnson

- Poetry: "Rain in Albuquerque" Puerto del Sol, v.15, #1 (Spring 1980)
- "End of Autumn," "Keeping in Touch," Conceptions Southwest, v. 3, #1 (Spring 1980)
- "Crossroads," Southwest Heritage, v. 10, #2 (Summer 1980)

David R. Jones

- "Albee's All Over," in Edward Albee; Planned Wilderness, ed. Patricia de la Fuente (Edinburg, Tx. 1980), pp. 87-98.

Jane B. Kopp

- "Waking in West Texas in the Fields," "Globe, Arizona," and "At Midnight the Lightning" (poems), Puerto del Sol, Fall 1978, Vol. 15, No. 1 (so dated, but in fact published in 1980.)

Antonio Marquez

- Editorship: Cuentos Chicanos (New America, Spring 1980)
- "Technologie in Gravity's Rainbow," Research Studies, 48 (March 1980), 1-10.

Ivan Melada

- "The Politics of Writers in the Trenches." The Dalhousie Review, 59 (1979), 338-349.
- "William Morris's Entry into Public Life." Studies in the Humanities, 8 (1980), 38-40.

4. continued

Ivan Melada

-Review of Socialist Propaganda in the Twentieth Century British Novel, by David Smith. Studies in the Novel, 12 (Spring, 1980), 95-97.

-Review of The Literature of War: Five Studies in Heroic Virtue, by Andrew Rutherford. Studies in the Novel, 12 (Summer, 1980), 176-79.

-Review of George Sand and the Victorian World, by Paul G. Blount. Studies in the Novel, 12 (Fall, 1980), 274-76.

David C. McPherson

-"Roman Comedy in Renaissance Education: the Moral Question," article accepted for publication in October 1981 by Sixteenth Century Journal. 25 page typescript.

Peter C. Page

-College Writing (Harper and Row), co-authored with Michael Hogan, (March 1981).

Mary Power

-"The Discovery of Ruby", JJQ Winter, 1981.

-"S. Beckett's 'Fingal' and the Anglo-Irish Tradition" JML--forthcoming.

David Remley

-Book Review of Ivan Doig, This House of Sky, in WAL (winter 1980), 324-25.

-Book Review of the William R. Savage, The Cowboy Hero: His Image in American History and Culture and Rowland Rider, Sixshooters and Sagebrush in NMHR (October 1980), 354-55.

Harvene Richter

-"The Forest and the Fox" (excerpt from novel-in-progress), South Dakota Review, Spring 1980 (Vol. 18, number 1), pp. 3-8.

-Paperback edition of Virginia Woolf: Reevaluation and Continuity, with essay "Hunting the Moth: Virginia Woolf and the Creative Imagination". U. of C. Press at Berkeley (1980).

-essay: "Conjugating the Cat," C.S. Monitor, August 28, 1980, Home Forum page.

-poetry: "Hold on to the Child," C.S. Monitor, January 7, 1980,
"Five Icicles on a Cornice," C.S. Monitor, March 4, 1980,
 Home Forum page.
"Cat's Light," New Mexico Independent, December 19, 1980.
 Writer's page.
"Matthew Meadow," New Mexico Independent, December 19, 1980.
 Writer's page.

Patricia Clark Smith

-"Chee Dostoevski Rides the Reservation; Native American Literature Since Momaday", 20 pp. with Paula Gunn Allen. Accepted for publi-

4. continued

Patricia Clark Smith

- cation in A Literary History of the American West; scheduled for publication, 1981.
- "Coyote Ortiz; Canis Latrans latrans in the work of Simon Ortiz" and "Ain't Seen You Since", an essay on contemp. N.A. women's poetry, accepted for publication in Studies in Native American Literature. MLA Publications; forthcoming, 1981.

Marcia Tillotson

- Review of Goode, Lord Byron: A Comprehensive Bibliography of Secondary Materials in English, 1807-1974, The Yearbook of English Studies, vol. 10, 1980.

James L. Thorson

- Book: Yugoslav Perspectives on American Literature: An Anthology (Ann Arbor, Michigan: Ardis Publishers, 1980) 233 pp.
- Review: The Eighteenth Century: A Current Bibliography, in The Scribnerian, 12 (1980), 203.

Mary Martha (Marta) Weigle

- Afterword to reprint ed. of Raymond Otis, Little Valley, UNM Press, 1980), pp. 274-83.
- Spiders & Spinsters: Women and/in Mythology, Exxon Education Foundation (1980) 296 pages.
- (with David Johnson) Lightning & Labyrinth: An Introduction to Mythology, Exxon Education Foundation (1980) 137 pages.
- (with David Johnson) At the Beginning: American Creation Myths, Exxon Education Foundation (1980) 155 pages.

Peter White

- Benjamin Tompson, Colonial Bard, Penn State Press, 1980. 219 pages.
- article: "Emerson Hough" in the Dictionary of Literary Biography, Greenwood Press, 1981.
- article: Introduction to Emerson Hough's Heart's Desire, Univ. of Nebraska Press, 1981.

Hugh Witemeyer

- "Ezra Pound's Contributions to New Mexican Periodicals and His Relationship with Senator Bronson Cutting." Paideuma, 9 (Winter 1980), 441-59. With E. P. Walkiewicz.
- Review of Michael Irwin's Picturing: Description and Illusion in the Nineteenth-Century Novel, in Dickens Studies Newsletter, XI (June 1980), 55-56.
- Review of Barbara Eastman's Ezra Pound's Cantos: The Story of the Text, in Paideuma, (Spring 1980), 215-17.
- Review of Michael Alexander, The Poetic Achievement of Ezra Pound, in Criticism, 22 (Spring 1980), 187-88.

5. OTHER RESEARCH PROJECTS OR CREATIVE WORK IN PROGRESS, ETC.

Rudolfo A. Anaya

- Short stories and drama in progress

Sharon R. Barba

- (co-editor) since May of 1980 I have been soliciting from women poets, drafts (worksheets) of poems and prose commentaries of the writing process for a book featuring 20-25 poets discussing their own work. Poets who have accepted include Daniella Gioseffi, Anne Waldman, & Maxine Kumin.

James F. Barbour

- Review of James Nechas, Herman Melville: Metonymy, Metaphor, and Repetition in "Moby-Dick," solicited by American Literature.
- Review of Ellen Glasgow: The Sunken Garden, solicited by American Literature.
- "The Natural: Epitaph for Eddie Waitkus," accepted by Mid America Miscellany.
- "Nineteenth-Century Black Novelists," with Robert Fleming, accepted by Minority Voices.
- articles on "A Very Short Story," "The Three-Day Blow," and "Ball-Four."

Ernest W. Baughman

- Continuing study of Hawthorne's stylistic devices and of Massachusetts judicial systems in colonial times.

Paul Davis

- "Dickens, Hogarth, and the Illustrated Great Expectations."
- "Darwin and the Cannibals: The Feast-Fight in Chapter II of Great Expectations."

William C. Dowling

- "The Invisible Reader in Tom Jones" (30 page article)
- "Is the Telephone Directory a Literary Work?" (15 page article)
- The Logic of Literary Interpretation (book)
- The Epistolary Moment (book just started: the above items are completed)

Morris Eaves

- completed book ms., Outline/Identity: Blake's Artistic Theory, Nov. 80, 250 pp.
- work in progress: (1) special issue of Studies in Romanticism, in honor of David Erdman (guest editor); (2) a book on Blake and the histories of art, technology, and commerce; (3) a book on Blake's Marriage of Heaven and Hell; (4) various shorter pieces.

Robert E. Fleming

- Charles F. Lummis, a pamphlet, is complete. One article on Hemingway pending. One article on Sinclair Lewis circulating. Another on Lewis in progress as of 12/4/80.

5. continued

Cheryl H. Fresch

- In progress: "Eavesdropping in Shakespearean Comedy"
"Protestant Poetics and the Midrashim"

Gene Frumkin

- During my sabbatical I completed a novel called Double Exposure, (circulating).
- Book of poems, Clouds & Red Earth, has been scheduled for publication in spring 1981 by Swallow-Ohio University Press.
- Poetry manuscript, Designations, (circulating).

Barry J. Gaines

- Edn of A Yorkshire Tragedy (with A. C. Cawley) for Revels Plays, University of Manchester Press
- Edn of Romeo and Juliet for International Shakespeare, Burt Franklin Publ.

Patrick J. Gallacher

- "Dame Alice and the Nobility of Pleasure," essay, 40 pages, circulating.
- "The Summoner's Tale and Medieval Attitudes Towards Sickness," essay, 20 pages circulating.

Hamlin Hill

- Mark Twain's Collected Letters, vol. 2, Univ. of California Press-in galleys.
- Introduction, Roughing It, Penguin Books-in type.

David Johnson

- Outside-sponsored research; Exxon Education Foundation;
- "Mythology of the Americas: An Interdisciplinary Approach" (with Marta Weigle) \$22,000, January 1, 1979-April 1, 1980.

David R. Jones

- Four Directors, Four Productions, book length ms. under consideration.

Jane B. Kopp

- Chapters of a book manuscript on William Carlos Williams' Paterson completed during summer 1980.

Antonio Marquez

- "The Nightmare of History in Thomas Pynchon's Gravity's Rainbow" forthcoming in Essays in Literature (Spring 1981).
- "The Failure and Promise of Literatura Chicanesca" forthcoming in New Mexico Humanities Review (Spring 1981).

Ivan Melada

- "Graham Greene and the Munitions Makers: the Historical Context of A Gun for Sale." 8200 words, accepted by Studies in the Novel. Publication date not set.

5. continued

Ivan Melada

- Review of The Victorian Historical Novel 1840-1880 by Andrew Sanders. 2000 words. For Dickens Studies Newsletter. Publication date not set.
- "'Poor little talkative Christianity': James Fenimore Cooper, Willa Cather, and the Dilemma of the Christian on the Frontier." 12,000 words. Circulating.

David C. McPherson

- "'The Attack on the Stage in Shakespeare's Time: An International Affair," article tentatively accepted by Comparative Literature Studies. 25-page typescript.

Peter C. Page

- An A & S. summer research stipend award led to "Brown's Edgar Huntly as Epistle," "Poe's Dupin Deconstructed," and "Cole's Landscapes and Poe's 'Arnheim,'" articles now circulating or near completion.
- Currently working on another writing text.

Roy G. Pickett

- Research on Speech Act Theory and Literature.

Mary Power

- Popular Culture and Ulysses--book on Joyce's Ulysses in progress.
- The Sources and Art of Samuel Beckett's More Pricks than Kicks--extended paper on Samuel Beckett's first edition.

David Remley

- Research completed for an article on Granville Stuart, pioneer Montana businessman and writer.
- Research begun on chapter on Henry Nash Smith for WLA, History of Western American Literature.

Harvena Richter

- revision of 2nd novel, and new short novel; Conrad Richter on Writing; poetry, essays, articles.
- Completed: "Virginia Woolf and the Creative Critic" (essay) for Review 1981.

Patricia Clark Smith

- For a Song, novel, co-authored with Nancy Gage Completed; now with Paul Reynolds Agency in New York.
- "Flute Song." Short story. Accepted, New America.
- In Progress: a second novel with Nancy Gage.
- articles on Native American Literature.

James L. Thorson

- Book: The Norton Critical Edition of Tobias Smollett's The Expedition of Humphry Clinker. 590 page manuscript delivered to W. W. Norton & Co.

5. continued

James L. Thorson

- Articles: "Gomorrhah on the Puerco: A Critical Study of Philip Stevenson's Proletarian Epic, The Seed."
- Forthcoming in Labor History in New Mexico, ed. Robert Kern, UNM Press, co-authored with Connie C. Thorson.
- "By the Cut of His Cloth: The Paradox of Being Out of Style in The Expedition of Humphry Clinker." Co-authored with Connie C. Thorson. Completed and ready for submission.
- The Illustrations of The Expedition of Humphry Clinker." Completed in first draft.

Fred Warner

- completed--"The War Correspondence of A. J. Liebling" (essay)
- in progress "Teaching Anthony Powell."

Mary Martha (Marta) Weigle

- (with Kyle Fiore) "Literary New Mexico--Between the Wars" (book ms. in press, UNM press)
- (with Mary Powell) "From Alice Corbin's 'Lines Mumbled in Sleep' to 'Eufemia's Sopapillas': Women and the Federal Writers' Project in New Mexico" - 65 pp. ms. for spring 1981 Women Writers and Artists of the Southwest issue of New America.
- (with Thomas R. Lyons) "Brothers and Neighbors: The Celebration of Community in Penitente Villages" for a volume edited by Victor Turner, CELEBRATION: A WORLD OF ART AND RITUAL, to be published by the Smithsonian Institution to accompany an 18-month exhibition of that title at the Renwick Gallery.
- "Because the Magic Dreaming"--a novel, which has been revised, finished and is being typed for submission.
- (with David Johnson) "Mythology of the Americas: An Interdisciplinary Approach to Cultural Identity" \$22,000 from Exxon Education Foundation. Work was completed (the three books mentioned in #4 above plus a final report of more than 100 pp.) during an extension period through April 1, 1980.
- (with William H. Wroth, Taylor Museum, Colorado Springs Fine Arts Center) "Governmental Support of the Arts in New Mexico, 1933-1943," \$32,400 from the National Endowment for the Humanities (No. RS-00056-79-589) to be completed by December 31, 1980, but an extension has been requested and informally granted. Considerable research completed for my part on the verbal arts (music, theater, writing, folklore, etc).
- Various articles already noted are still in press:
- Los Hermanos Penitentes-Brothers of Our Father Jesus, for an anthology, The Folklore of American Ethnic Groups: Collections and Critiques, ed. Ronald J. Ambrosetti for Alfred Publishing, Los Angeles.
- The Southwest: A Regional Case Study, for the Handbook of American Folklore, ed. Richard M. Dorson for McGraw Hill.
- The Penitentes, for the Dictionary of Mexican American History, ed. Matt Meier and Feliciano Rivers for Greenwood Press, Westport, Conn.
- The Penitente Brotherhood in Southwestern Fiction: Notes on Folk-life and Literature for The American Self, ed. Sam Girgus, expected soon from UNM Press.

5. continued

Peter White

- Continued work on anthology of articles dealing with 17th Century American poetry: articles now being edited, to be submitted to Penn State Press Fall, 1981.
- Associate Editor, Minority Voices.

Joseph Zavadi1

- Project on English Hagiography developed during summer--with special focus on conventions fo style in Aelfric's Lives of the Saints.

6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES, ETC.

Rudolfo A. Anaya

- Board member, Before Columbus Foundation
- member MLA
- attended annual Rio Grande Writers Association meeting
- Associate Editor, The American Book Review
- Board member, La Compania de Teatro de Alburquerque
- "Media and the Humanities Conference", San Deigo, CA
- Paper at Bilingual Education AMAE Conference, Los Angeles

Sharon R. Barba

- Poetry reading, RMMLA, Denver, Oct. 16, 1980

James F. Barbour

- Panel Discussion with Harrison Hayford and Hershel Parker on "Composition of Moby-Dick" for the Melville Society, New Bedford, Mass., June 6, 1980.
- Nominating Committee for the Melville Society.
- Member of MLA, RMMLA.

Ernest W. Baughman

- Attended meeting of New Mexico Folklore Society, Las Cruces, April, 1980.
- Editor New Mexico Folklore Record.

Paul Davis

- Paper given at the Conference on Juvenile Justice, International Year of the Child," March 28, 1980, Albuquerque.
- Lecture on the Doctrine of Work in Hard Times and Great Expectations" Socorro, April 10, 1980.

William C. Dowling

- "The Theory of Internal Audience," paper delivered in the Problematics of the Text seminar, National Humanities Center, Spring 1980.

Morris Eaves

- "The Radical Romantic Audience," paper read at Louisiana State Univ., Jan. 1980 (by invit.)
- "Blake's Idea of the Audience," paper read at Tulane Univ.,

6. continued

Morris Eaves

April 1980 (by invit.)

- "Classical Line & Romantic Identity," paper read at special session on Blake and the 18th Century, annual meeting, MLA, Houston, Dec. 1980.

Michael Fischer

- Member, MLA

Robert Fleming

- Member MLA, RMMLA, Life member Society for Study of Midwestern Lit.
- Associate Editor, *Minority Voices*.
- Member Western Lit. Association.

Cheryl H. Fresch

- Chairman, General Session of 1980 Eighteenth-Century Conference at UNM.

Gene Frumkin

- Elected president of the Rio Grande Writers Assn. for a one-year term, April 1.
- Poetry readings at UNM, the Harwood Library, the Moonfire Gallery (Taos).

Barry J. Gaines

- Secretary, English Renaissance section, South Atlantic Modern Language Assoc.
- attended SAMIA meeting in Atlanta in Nov.
- Planning Committee, International Shakespeare Association meeting
- member of textual seminar, Shakespeare Association of America, Boston, in April.

Patrick J. Gallacher

- Editor of Chronica, newsletter of the Medieval Association of the Pacific.
- Attended convention of Medieval Association of Pacific in February, 1980, Los Angeles.
- Editorial Board, *New Wycliff Society*.

Hamlin L. Hill

- Keynote speaker, American Humor Conference, SW Texas State U., April.
- Modern Language Association annual meeting, Houston, December.

Michael J. Hogan

- Paper, "Writing Throughout the Curriculum," delivered at NMSU Conference on Writing, Las Cruces, April 1980.

Antonio Marquez

- Presented paper--"The American Dream in the Chicano Novel"--at Chicano Literary Criticism Symposium, UNM, April 10-11.

6. continued

Antonio Marquez

- paper presented--"A Decade of Chicano Literature, 1970-80"--by proxy (Prof. Francisco Lomeli, UC/Santa Barbara) at Chicano Criticism Symposium, UC/Santa Barbara, May 23.
- Presented paper--"The Promise and Failure of Literature Chicanesca" at Western American Literature Conference, St. Louis, Mo., October 2-4.

Ivan Melada

- Member, MLA
- Member, RMMLA
- Active member, Friends of the Huntington Library

David C. McPherson

- Attended annual convention, Modern Language Association, Houston, Texas, Dec. 27-30, 1980.

Peter C. Page

- Chaired session on "A Rhetoric of Readability" at the Conference on College Composition and Communication in Washington, D.C. March 14, 1980.
- Represented UNM at the New Mexico Council of Teachers in Albuquerque, September 19-20, 1980.

Roy G. Pickett

- Member of Modern Language Association

Mary Power

- paper, James Joyce Symposium, Provincetown, Mass., June 12th "O'Neill and Joyce"
- respondent, D. H. Lawrence Symposium, Santa Fe, NM., July 15, "Lawrence and the Moderns"
- paper, Society for Popular Culture, Univ. of Denver, Sept. 27th, "Molly among the Artistes"
- attended first NM State Conference on Women's Studies, UNM, Nov. 17.

David Remley

- Paper on Sacajawea, WLA Fall Conference, St. Louis, Mo.

Ronald Swigger

- Joined Les Amis de Valentin Bru, association for the study of R. Queneau

Marcia Tillotson

- Rocky Mountain Area elected representative to the Delegate Assembly of the Modern Language Association

James L. Thorson

- Lectures: "Native American Literature" presented at a seminar for Teachers of English at Rungsted, Denmark, near Copenhagen, sponsored by the Danish Fulbright Commission and the U.S.

6. continued

James L. Thorson

- Embassy, Copenhagen, and the Danish Teachers of English, 11/7/80.
- Same lecture presented at Seminar on Modern Literature, Oxford University on November 19, 1980.
- Served as President and Program Chairperson on the Annual Meeting of the South Central Society for Eighteenth Century Studies conference in Albuquerque, March 6-8, 1980. Chaired several meetings and coordinated the meeting.
- Nominated for the National Council of The American Association of University Professors for Region II.

Mary Martha (Marta) Weigle

- Editor, Publications of the American Folklore Society, new series (2 vols. printed to date)
- Panelist, Publishing Folklore, Annual Meeting of the American Folklore Society, Pittsburgh, October, 1980.

Mary Bess Whidden

- Meeting of the Modern Languages Association, Houston, December, 1980.

Peter White

- elected to executive board, South-Central Society for 18th Century Studies, 1980 (delegate at large)

Hugh Witemeyer

- Chairman of Division on Literature and Other Arts of Modern Language Association; chaired meeting on "Literary Illustration" at MLA convention in San Francisco, December 1979.
- Chairman of special session on Literature and Other Arts of Rocky Mountain Modern Language Association; chaired meeting on "Landscape into Literature" at RMMLA meeting in Denver, October 1980.
- Attended Sixth International Ezra Pound Conference at University of Maine at Orono, August 1980; read paper entitled "Ezra Pound's Contribution to New Mexican Periodicals"
- Attended meeting of English Institute, Radcliffe University, Cambridge, Mass. September 1980.

Joseph B. Zavadii

- Attended meeting of SW Society for 18C Studies, Albuquerque, April 1980.

7. OTHER PROFESSIONAL ACTIVITIES

Rudolfo Anaya

- Read at the White House Salute to American Writers, Jan. 1980;
- Read for the International Year of the Child, UNM;
- Read at NMSU, Cal State, Los Angeles; San Diego State Univ.; Indian Cultural Center, Albuquerque; Pen Women; Chicano Mental Health Symposium; Nurses group; UNM Fiesta.
- Director, Chicano Literary Criticism Symposium, UNM.

Sharon Barba

- Readings: University of Texas at El Paso, "Women in the Arts," April 10, 1980.

7. continued

Sharon Barba

- Readings:
- KUNM Radio, Albuquerque, for International Women's Day, March 8, 1980.
- Siren Coffee House, in "Women Poets Series," March 6, 1980, Poems in Theatre Production - 2 poems in Better Than Either, directed by Joseph Papp, N.Y., 1980 (including NY Public Theater & Lexington Theater).

James F. Barbour

- Presentation of "Golden Honeymoon" and "Paul's Case" for NMHC, Los Lunas, N.M.
- Co-Director of American Short Story Series for NMHC for Los Lunas Correctional Institute.

Ernest W. Baughman

- Talk: Folklore, High school class, Manzano High School, March, 1980.

Paul Davis

- Consultant, Holt, Rinehart, Winston
- Member of liaison committee with APS on English Curriculum
- Reader for English Composition Achievement Test, Educational Testing Service, Princeton, NJ, December, 1980.

Morris Eaves

- Referee, PMLA, May 1980 (Pagliaro, "Blake's Self-Annihilation")
- Consultant: NEH Research Programs.
- 9 Jan. 1980: grant proposal by Joukovsky (Penn State), The Letters of Thos. Love Peacock.
- 2 Dec. 1980: proposal by Price (Johns Hopkins), edition of Stedman's Narrative of a Five Years' Exped. to Surinam.

Robert E. Fleming

- Two lectures for NM Humanities Council at Los Lunas Honor Farm. Proposed and wrote grant to fund same with James Barbour.

Cheryl H. Fresch

- UNM Representative in the Directory of Speakers in the University of Texas at Arlington program "Shakespeare, the Globe, and the World."
- Guest Lecture at New Mexico School of Mines: "Milton and the New Astronomer"
- Member of the Directory of Speakers in the New Mexico Humanities Council Speakers Bureau.
- Guest Lecture to Lou Criss's drama class: "The Dramatic and Donne"

Barry Joseph Gaines

- Spoke on Shakespeare at two local high schools.
- Consultant for National Endowment for the Humanities.

7. continued

Hamlin L. Hill

- Appointment, editorial board, Bulletin of the RMMLA; nomination, editorial board, American Literature, 1982-85.

Michael J. Hogan

- Grader for English Composition Essays for Educational Testing Service, Princeton, NJ, June 1980.

David Johnson

- Poetry Reading & Workshop: New Mexico Junior College, Feb. 14.
NCTE, Colorado Springs, March 14.
Artesia Arts Council, June 20.
- Lecture: New Mexico Humanities Council, April 13.
- Poetry Readings: Feb. 29; Oct. 30 & Nov. 14, Albuquerque

David C. McPherson

- "The Merchant of Venice," talk on Shakespeare to students in gifted program, Taylor Middle School, Albuquerque Public Schools, Feb. 7, 1980 (two classes: instructors Liebermann and Batuello).

Peter C. Page

- Elected president of Artspace: Southwestern Contemporary Arts Quarterly.

Mary Power

- supervisor of Mary Moran's dissertation, completed, October, 1980.

Harvena Richter

- Panelist and discussion leader in D. H. Lawrence Festival (Santa Fe, July, 1980.)
- Poetry reading, March 8, 1980, over KUNM.

James L. Thorson

- Consulting Humanities Scholar: New Mexico Council on the Humanities grant to Friends of UNM Libraries to hold lecture series "Book-Arts--New Mexico."

Mary Martha (Marta) Weigle

- Consultant: Holt, Rinehart & Winston, Southwest Heritage Reader, Spring, 1980
National Geographic Magazine - book entitled "Great Southwest"
"Film Documentation and Analysis of the Penitente Brotherhood" - NEH sponsored project co-directed by Thomas R. Lyons & Charla Kolander, UNM (1980 ongoing)

Peter White

- Lectures on American literature and culture in Katowice, Lodz, Warsaw, Wroclaw, Poznan, Poland, and in West Germany (Stuttgart, Bremen, Berlin).
- Seminar on American Literature (two weeks) in Czechoslovakia, June, 1981.

7. continued

Hugh Witemeyer

- Outside reader for book manuscripts for Princeton University Press and University of North Carolina Press.
- Consultant for promotion review, University of Pittsburgh English Department.

Joseph B. Zavadii

- Talk to Advanced Placement English Class at Highland High School, April, 1980.

8. NON-TEACHING UNIVERSITY SERVICE ETC.

Rudolfo A. Anaya

- Director, Creative Writing Program, UNM
- Board member, Southwest Hispanic Research Institute, UNM

James F. Barbour

- Graduate Director, English Department
- Sabbatical Review Committee, UNM

Ernest W. Baughman

- American Studies extended faculty, January to June, 1980.

Paul Davis

- Policy and Personnel Committee, Dept. of English
- UNM Task Force on Retirement

William C. Dowling

- Faculty advisor to pre-graduate majors

Morris Eaves

- Editor, Blake/An Illustrated Quarterly
- Member, English Dept. Policy & Personnel Committee
- Member, English Dept. Search Committee--Faculty Recruitment

Michael Fischer

- Faculty Sponsor, EGSA
- Member, English Dept. P & P. Committee

Robert E. Fleming

- Graduate Committee
- American Studies Committee

Gene Frumkin

- Coordinated the Fifth Annual UNM Summer Writers Workshop at the Lawrence Ranch, August 6-10, 1980.
- Acting Director of Creative Writing, fall, 1980
- Faculty adviser, ASUNM-GSA Poetry Series.

Barry Joseph Gaines

- Graduate Committee
- Editor, Shakespeare Studies.

8. continued

Patrick J. Gallacher
-Graduate Committee, UNM Department of English

Micahel J. Hogan
-Director of Freshman English
-President's Committee on Admissions Standards and the General College
-Senior Day Planning Committee
-Albuquerque Public Schools--UNM Task Force on English

David Johnson
-Graduate Committee, Department of English

Jane Kopp
-English Department Policy & Personnel Committee
-English Department Committee on Professional Activities

Antonio Marquez
-Comparative Literature Committee

Ivan Melada
-M.A. Advisor
-M. A. Examiner (Questions for 19th cent. English and 19th cent. American)
-Read field question for doctoral comps of L. McAuliffe, Ed. Fdns.
-Library Liaison

David C. McPherson
-Dean's advisory committee on tenure, College of A&S, Jan. - May, 1980.
-English Department Policy and Personnel Committee, Jan. - Dec., 1980.
-University Library Committee, Aug. - Dec., 1980.

Peter C. Page
-Assistant Director of Freshman English
-member, Freshman English and Policy & Personnel Committees--English Department
-elected to Faculty Senate (A & S)
-member, School Relations Committee
-worked at Senior Day at UNM and College Fair at Winrock

Roy G. Pickett
-University Faculty Ethics and Advisory Committee
-Linguistics Department: Graduate Committee, Voting Faculty, Introduction Course Committee

Mary Power
-President's call campaign, Spring 1980
-Director, D. H. Lawrence Fellowship Committee
-Speakers Committee
-Faculty Senate
-Graduate Advisor
-Co-director, James Joyce Symposium
-Women's Studies Advisory Board

8. continued

David Remley

-D. H. Lawrence Fellowship selection committee

Patricia Clark Smith

-Member, English Department graduate committee

Ronald Swigger

-Comparative Literature Committee

Helen-Jane B. "Zane" Taichert

-member-at-large: UNM Faculty Senate

-Member: Undergraduate Academic Affairs Committee

Marcia Tillotson

-European Studies Committee (80-81)

-Undergraduate Academic Affairs Committee (79-80)

-University Curricula Committee (80-81)

James L. Thorson

-Member, Faculty Senate, Semester II, 1979-80.

-M.A. Advisor

-Faculty Sponsor, Presidential Scholars

-Member, Science Fiction fan club

Fred Warner

-European Studies Committee

Mary Martha (Marta) Weigle

-Consulting editor, New America - special issue on Women Writers & Artists of SW

Mary Bess Whidden

-Arts and Sciences Committee on Curriculum and Policy

-English Department Policy and Personnel Committee

Peter White

-Curriculum Committee - Spring 1980

-American Studies Faculty Committee -Spring 1980

-Program to help recruit high school students in New Mexico, Spring 1980.

Hugh Witemeyer

-Acting Chairman of English Department, April--August 1980

-Director of English Graduate Studies, January--August 1980

-Arts & Sciences Graduate Committee, January--August 1980

-Phi Beta Kappa Selection Committee, Spring 1981

-Continuing Education: One-week course on D. H. Lawrence for Elderhostel program, July 1980

-Proctor for 20th-Century questions on M.A. and Ph.D. exams.

-Dissertation Committees: 3 (Hurley-Moran, Ferebee, Weiss)

8. continued

David Remley

-D. H. Lawrence Fellowship selection committee

Patricia Clark Smith

-Member, English Department graduate committee

Ronald Swigger

-Comparative Literature Committee

Helen-Jane B. "Zane" Taichert

-member-at-large: UNM Faculty Senate

-member: Undergraduate Academic Affairs Committee

Marcia Tillotson

-European Studies Committee (80-81)

-Undergraduate Academic Affairs Committee (79-80)

-University Curricula Committee (80-81)

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-Member, Faculty Senate, Semester II, 1979-80.

-M.A. Advisor

-Faculty Sponsor, Presidential Scholars

-Member, Science Fiction fan club

Fred Warner

-European Studies Committee

Mary Martha (Marta) Weigle

-Consulting editor, New America - special issue on Women Writers & Artists of SW

Mary Bess Whidden

-Arts and Sciences Committee on Curriculum and Policy

-English Department Policy and Personnel Committee

Peter White

-Curriculum Committee

-American Studies Faculty Committee

-Program to help recruit high school students in New Mexico

Hugh Witemeyer

-Acting Chairman of English Department, April--August 1980

-Director of English Graduate Studies, January--August 1980

-Arts & Sciences Graduate Committee, January--August 1980

-Phi Beta Kappa Selection Committee, Spring 1981

Joseph B. Zavadii

-Member of Freshman English Committee

-Graduate English Adviser

-Member of University Academic Freedom and Tenure Committee,
(Chair since July 1, 1980)

-Member of Community Education Committee

-Member of Comparative Literature Committee

8. continued

- Joseph B. Zavadii
- Member of Freshman English Committee
- Graduate English Adviser
- Member of University Academic Freedom and Tenure Committee,
(Chair since July 1, 1980)
- Member of Community Education Committee
- Member of Comparative Literature Committee

9. PUBLIC SERVICE

- Rudolfo Anaya
- Consultant, Governor's Public Service Awards Committee
- Albuquerque High School Centennial Committee
- Board and editor, La Academia Publications

- James F. Barbour
- Board of Trustees, Albuquerque Academy
- Educational Committee, Albuquerque Academy

- Morris Eaves
- Slide lecture on Wm. Blake, Poetry Society, Albuquerque,
Dec. 1980.

- Cheryl Fresch
- Presented "The Jilting of Granny Weatherall" at Los Lunas
Correctional Institute as part of the American Short Story
Series sponsored by N.M.H.C.

- Jane Kopp
- Active in the Symphony of Life (First Church of Divine Science);
also campus faculty advisor.

- Peter C. Page
- M.S. Society
- N.M. Lung Association

- Mary Martha (Marta) Weigle
- Board of Directors, Santa Fe Historical Society

- Hugh Witemeyer
- Member of Board of Directors of New Mexico D. H. Lawrence
Festival, 1980. Responded to papers and led discussions for
two of the sessions at the Festival. Helped arrange UNM
lectures and transportation for several of the Festival
participants.

THE REPORT OF THE DEPARTMENT OF GEOGRAPHY

July 1, 1980 - June 30, 1981

Richard E. Murphy, Chairman

I. General Departmental Information

The prospective move of the Geography Department to other quarters has occupied the major attention of the staff this year. The present timetable calls for a move during the break between semesters next (1981-82) academic year. Accordingly, plans have been drawn up for permanent occupancy of the eastern two-thirds of Bandelier West and temporary occupancy of space in the Anthropology building, pending availability of Bandelier East for permanent utilization by Geography for our classrooms and labs.

In addition to this major matter, the past year also was a time of development in economic geography and a period of recruitment of new faculty members. Furthermore, the role of Geography in the Latin American program of the University was enhanced, a factor which affected recruitment.

A. Significant Achievements

The most significant achievement of the Department this year was the development of a detailed and comprehensive plan for housing the Department after moving from Hodgin Hall. Of some significance also were the enhancement of our programs in economic geography and in the geography of Latin America.

In planning for the future physical needs of the Department occasioned by the impending move, the staff of the Department met at frequent intervals with Ms. Patricia Richards, an architectural consultant engaged by the University

Architect. A comprehensive plan was developed which is appended as Attachment Number (1). From this plan a specific plan for the permanent occupance of Bandelier West was developed, and a plan was developed also for dividing the large lecture hall in Anthropology room 170 into classrooms and labs. These plans are discussed under part B of this report. Room 170 is only for temporary use by the Geography Department until the Registration Center can be moved from Bandelier East which will then be remodeled for permanent use by the Geography Department. At that time plans call for the joining of Bandelier East and Bandelier West into a single building, and Geography again will be adequately housed in good quarters which will permit further development of our programs in Applied Geography, especially Cartography and Remote Sensing.

Since the Remote Sensing Division of the Southwest Cultural Resources Center is located also in Bandelier West, we anticipate a close working relationship of our remote sensing program with this Division. Discussions have taken place already in this regard, and we look forward to having some use of the equipment by students in Geography who are studying remote sensing.

Significant developments in economic geography and in the geography of Latin America were tied in with new staff. The addition of Dr. Bradley T. Cullen to the Department has enabled us to revitalize and expand our offerings in economic geography. A course in Transportation has been reintroduced, Location Theory is being offered now on a regular basis, and enrollments in basic Economic

Geography have increased. In regard to Latin American geography, the whole question of the role of Geography in the Latin American Studies program was reexamined, and Geography's role therein was revitalized.

The matter of the contribution of Geography to the Latin American Studies program on Campus came to the fore with the appointment of Professor Elinore M. Barrett of this Department to the position of an Associate Dean of the College of Arts and Sciences. She had been teaching the courses on the geography of Latin America, but with her new role as Associate Dean her teaching load will be cut in half, and she will no longer cover this area.

We were concerned about the matter in the Geography Department, but we debated whether or not there was sufficient interest in the geography of Latin America to warrant emphasizing it in our efforts to recruit a visiting assistant professor as a replacement for Professor Barrett. Since the geography of Latin America was not a required course in the Latin American Studies Program, whereas the European Studies and Russian Studies programs require geography, and in view of a request for a course on the Far East by the Asian Studies program, we in the Geography Department initiated talks with representatives of the Latin American Studies program to ascertain whether or not there were any real interest in our offerings. The result was the establishment of a requirement for at least three credit hours in the geography of Latin America for any student majoring in Latin American Studies. On our part, we gave assurance that the Geography Department would continue to offer courses in the geography of Latin America on a regular basis. Accordingly, in recruiting the

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replacement for Professor Barrett, we gave cardinal attention to competence in Latin America, and we anticipated increased emphasis on this aspect of geography.

The New Mexico Geographical Association, under the aegis of the graduate students in geography and with the leadership of Mr. Kim L. Seidler, continued its sponsorship of speakers at afternoon teas which have been of considerable interest in the Department, a focal point for lively discussions, and a means of increased contact between faculty and students. There were presentations by both graduate students and staff. Of particular interest were two lectures by Dr. Donald G. Cartwright who was here for the second semester on sabbatical leave from the University of McGill in Canada. He spoke about his research on the geography of bilingualism in Canada. He had come to New Mexico particularly to compare the situation here with bilingualism there.

Mention should be made also of a visitor to the Geography Department during the first semester, Professor Dietrich Fliedner of the University of the Saar in Saarbrücken, West Germany. This is the third time he has been here, conducting research into the prehistoric and historic settlement patterns of New Mexico. Dr. Fliedner is a leading German scholar in geography and has done significant work in the comparison of cultures and cultural cycles in northern Europe and the American Southwest. He was helpful in effecting an exchange arrangement with Professor Richard E. Murphy of this Department in 1975-76 when Dr. Murphy was a Fulbright Lecturer at the University of the Saar. Dr. Fliedner has promoted academic and scholarly interchange between the United

States and Germany, and it is always a pleasure to have him here.

B. Significant Plans and Recommendations for the Near Future

As indicated under "Significant Achievements," planning for the future of the department has received cardinal attention this year because of the impending move of the Department from Hodgkin Hall. Specifically, current plans call for a move of the Geography Department during the break between the fall and spring semesters of the next (1981-82) academic year. The offices, map and air photograph collections, and some lab facilities will be moved into the eastern part of Bandelier West as indicated on Attachment Number (2). The classroom and major lab facilities will be moved into temporary quarters to be provided by a remodeling of Anthropology room 170. This is indicated in sketch form on Attachment Number (3).

Whenever the Registration Center can be moved from Bandelier East to new quarters in Mesa Vista Hall (within three years, we hope), then Bandelier East can be remodeled for use by the Geography Department, and the classroom and lab facilities housed temporarily in Anthropology 170 will be moved to permanent quarters in Bandelier East. In the remodeling of Bandelier East, Bandelier West and Bandelier East are to be joined as one building, and the Geography Department will thus have all its offices, classrooms, and labs in a single facility. Attachment Number (4) shows the present Bandelier East and West and the area between where they will be joined.

These new quarters should help in expanding our role in "Applied Geography." In response to the job market and to student interest, and in anticipation of the utilization of our new facilities plus our forthcoming

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association with the Division of Remote Sensing, we have developed further our programs in Applied Geography. This will be reflected in the new University Bulletin which will indicate several tracks under that heading including Cartography, Remote Sensing, and Urban and Regional Land-Use Planning.

We visualize the opportunity for the University of New Mexico to achieve national recognition in remote sensing. Already this University, and in particular in the persons of Dr. Thomas R. Lyons, Chief of the Division of Remote Sensing, and Dr. Stanley A. Morain, Director of the Technology Application Center and an Associate Professor in the Geography Department, have considerable reputations in this realm. We have the opportunity now in our combined facilities to train students in this new and important realm and to expand further the research efforts in this regard. The University is truly in an advantageous position to capitalize on the basis already laid.

In Cartography we are moving ahead rapidly. A new assistant professor, Dr. Dennis E. Fitzsimons from the University of Utah, will be joining our staff in the fall, and he will be assuming direction of our cartography program. Already enrollments have risen rapidly, we anticipate offering the new advanced course on a regular basis, and we see the possibility of adding a third course in cartography dealing with production techniques. Our new facilities will have built in camera and developing areas for further work in this aspect. Also we are adding a sophomore level course in Map Reading, now that the course in Map Reading and Air Photo Interpretation has been divided in two.

C. Appointments to Staff

Assistant Professor Bradley T. Cullen was added to the staff, effective in the fall semester. He came to us from the completion of his doctoral work at Michigan State University in East Lansing. He was recruited especially to develop our program in economic geography but also to help with the introductory course in Geography 102. Already he is developing the program in economic geography as indicated in part A. Furthermore, he is now covering our courses in quantitative techniques, since he has a considerable background in mathematics. This matter came to the fore with the temporary departure of Assistant Professor Jerry L. Williams to Washington, D.C. for a year or 18 months where he was invited by the Agency for International Development of the State Department to serve as a Visiting Faculty Member in Developmental Studies. Dr. Williams taught our courses in quantitative methods. Since Dr. Cullen would be happy to continue with these on a permanent basis, tying in as they do with advanced courses in economic geography, and since Dr. Williams would rather concentrate, upon his return, on new courses in Population Geography and Urban Geography, we plan for Dr. Cullen to continue with these courses in quantitative techniques.

During Dr. Williams' absence, Visiting Assistant Professor Morris L. Uebelacker is taking his place, having been recruited from the University of Oregon, where he was nearing the completion of his doctoral work. He has filled the role admirably, and we would like to keep him if at all possible. He is a popular yet demanding teacher and is actively interested in our

developing program in remote sensing as well as in planning and urban geography. Also he is familiar with the realm where Geography and Anthropology meet, having received his M.A. in Anthropology from the University of New Mexico before going to Oregon for the Ph.D. in Geography. With Dr. Williams' interests tending toward population geography as well as urban geography and planning, and in view of the increased student interest in applied geography, we hope it may be possible to keep this valuable addition to our staff.

Dr. Dennis E. Fitzsimons has been recruited to replace Assistant Professor Alastair Shedden who has built our cartography program to its present considerable level. Dr. Fitzsimons completed his doctoral work at the University of Kansas and comes to us from the staff of the University of Utah. He is highly recommended, and he has had considerable experience in cartographic production as well as the teaching of the basics. We anticipate further development of this aspect of geography under his leadership.

Since Professor Elinore Barrett of this Department has been appointed an Associate Dean in the College of Arts and Sciences, she will teach only one course one semester and two the other semester, plus one course in the summer session, in lieu of her usual nine hour teaching load. The Geography Department thus was in danger of losing its offerings in the geography of Latin American and all of her contributions to the undergraduate geography major above the freshman level. Therefore, the Department was permitted to engage a visiting assistant professor to take her place.

The person hired to replace Professor Barrett, Stuart A. White, is finishing his doctorate at the University of Wisconsin, Madison, having successfully defended his dissertation entitled Moments in the Narrative Landscape of Highland Peru on June 8, 1981. He was chosen from several worthy

candidates, and we felt fortunate in recruiting him in competition with Chicago and Johns Hopkins. He should prove to be a very valuable addition to the staff. After completion of the B.A. (cum laude) from Harvard, he spent several years in Mexico, Central America, Colombia, Peru, Ecuador, and Bolivia. He has worked with the Peace Corps, studied agricultural and resource development, published in a leading geographical periodical, and has acquired fluency in both Spanish and Quechua. One of the persons recommending him wrote "No graduate student has accomplished so much, under such difficult field conditions (eastern Peru) with such speed as Stu White." If the very favorable recommendations are substantiated in performance, and we have every expectation that they will be, we hope that he may become a permanent member of our staff, not only for the benefit to the Geography Department, but for the whole Latin American program of the University.

D. Separation from Staff

Assistant Professor Alastair Shedden resigned from the staff effective at the end of the Summer Session, 1981, to return to his native country of South Africa. It is with regret that we lose him, for he has built the cartography program from a single course with one lab to a program with both introductory and advanced courses and with enrollments filling two lab sections for the basic course. Furthermore, he has been instrumental in a considerable expansion in the types of equipment used and for which the Department gives instruction. We shall miss him.

II. Composite of Information Requested on Individual Biographical Supplements.

Following are indicated the achievements, productivity, and the activities

of the staff of the Geography Department for the calendar year 1980.

Advanced Study

Assistant Professor Bradley T. Cullen, who joined the staff in the fall of 1980, completed his Ph.D. at Michigan State University in East Lansing in August. The title of his dissertation was Wood Products Plants in Northwestern California: Changes in Location and Size.

Assistant Professor Alastair Shedden completed the text for his dissertation Mining, Miners, and Merchants in the Northern Rocky Mountains: A Geography of 19th Century Urban Settlement. He is finishing the requirements for the Ph.D. at the University of California at Berkeley.

Visiting Assistant Professor Morris L. Uebelacker was completing the requirements for the Ph.D. at the University of Oregon. His dissertation, entitled Evolution of the Contemporary Landscape: Naches River Basin, was in the final stages of preparation..

Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.

Associate Professor Stanley A. Morain went to Dakar in Senegal in April to give a short course on Remote Sensing for the Agency for International Development. In March, he was a guest lecturer for two weeks at South Dakota State University for an International Remote Sensing Short Course under the Visiting International Scientist Program.

Professor Richard E. Murphy traveled in the Great Smokies and the Ozarks in June. In August he went by canoe through a portion of the

Superior-Quetico wilderness.

Assistant Professor Alastair Shedden conducted field investigations during the summer in mining communities of central and northern Nevada and northern California.

Professor Rodman E. Snead studied coastal landforms in eastern Canada and Bermuda in late July and August. He also made several short trips during the year to the coasts of Mexico and California to continue his investigations of coastal landforms in those areas.

On December 15, Assistant Professor Jerry L. Williams left on a leave of absence for Washington D. C. where he had been invited by the Agency for International Development of the State Department to serve as a Visiting Faculty Member in Developmental Studies for a year or a year and a half. Visiting Assistant Professor Morris L. Uebelacker was recruited to replace him during his absence.

New Scholastic honors, fellowships, etc.

No new additions.

Publications

Professor Elinore M. Barrett:

"Indian Community Hospitals in Colonial Michoacán, Geoscience and Man, vol. 21 (March, 1980), pp. 65-73.

Professor Rodman E. Snead:

World Atlas of Geomorphic Features (revised), Huntington, New York, 1980, 308 pp.

Eight slide sets with text published by Parkway Media, Inc. 44 Parkway West, Mt. Vernon, New York. (Published Fall, 1980).
The slide sets are titled:

Iran: Physical Geography	- 20 slides - 7 pages of notes
Iran: Human Geography	- 20 slides - 6 pages of notes

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Afghanistan: Physical Geography - 20 slides - 6 pages of notes
 Afghanistan: Human Geography - 20 slides - 6 pages of notes
 Pakistan: Physical Geography - 20 slides - 6 pages of notes
 Pakistan: Human Geography - 40 slides - 10 pages of notes
 Lebanon: Physical Geography - 20 slides - 7 pages of notes
 Lebanon: Human Geography - 20 slides - 7 pages of notes

Slide set titled: Weather and Climate published by the National Council for Geographic Education for the Great Plains National

Instructional Television Library, Lincoln, Nebraska. Set consists of 60 slides on different aspects of weather and climate. Has a number of NASA space photographs. (Published Spring, 1980).

"Tent Rocks of the Jemez Region," New Mexico Magazine, vol. 58, No. 7, Sept., 1980, pp. 62-67.

Other research projects or creative work in progress

Professor Elinore M. Barrett:

Field and archival work was conducted in Mexico during the summer on silver mining in colonial central Mexico.

"Copper in New Spain's Eighteenth Century Economy, Crisis and Revolution," Jahrbuch für Geschichte von Staat, Wirtschaft und Gesellschaft Lateinamerikas. In press.

"The King's Copper Mine, Inguarán in New Spain," The Americas. In press.

Professor Iven V. Bennett:

Hand processing was completed of maximum and minimum temperature data from the 1890s to 1948 from approximately 50 stations in New Mexico. This job lasted from April 1979 to September 1980, and involved "eyeballing" nearly 2 million individual temperature values. Analysis of the extracted data (highest and lowest minimum and maximum temperatures for each month, number of days with minimum temperatures less than 32°F and 0°F, number of days with maximum temperatures above 90°F and 100°F, and mean monthly maximum and minimum temperatures) will have to wait until the post-1948 data, which is on magnetic tape, is purchased.

In September, tabulation was begun of frequency distributions of daily maximum and minimum temperatures from the station on the campus of New Mexico State. This job has just been completed, and consisted of tallying by hand, in class intervals, the values of approximately 63,000 maximum and minimum temperatures for the period of record, 1892-1980. The same task has been started for data from the Bell Ranch in northeastern New Mexico. Frequency distributions also will be prepared for data from Fort Stanton and Lordsburg. These four stations are the only ones in New Mexico where the instrument shelter

has remained at the same site during the entire period of record. The data eventually will be used for a study of climatic change.

Assistant Professor Bradley T. Cullen:

"Accommodations Units in North Sea Oil Exploitation," Geographical Review. In press

Research was conducted on energy assistance for the poor, water pollution indices, and alternate methodologies for forming vanpools.

Associate Professor Stanley A. Morain:

Systematic and Regional Biogeography. Scheduled for publication in 1981 by V. H. Winston and Sons. This will be a book in the Scripta Technica series in Geography.

With M. White and A. Budge, "Remote Detection of Prehistoric Sites in Bandelier National Monument." To appear in: A Handbook for Archeologists and Cultural Resource Managers, ed. by Thomas R. Lyons,

Contributor to a chapter edited by James Ebert entitled "Anthropology and Archeology" to appear in the Manual of Remote Sensing to be published by the American Society of Photogrammetry. In preparation.

Professor Richard E. Murphy:

A monograph in political geography is being prepared encompassing an analysis and classification of the countries of the world in terms of their origins. Methuen has expressed interest in the possibility of publication.

Assistant Professor Alastair Shedden:

With R. Bahm, Solar Engineering Consultant, a proposal was submitted to the New Mexico Energy Institute for the production of three solar energy maps and accompanying visual materials.

Illustrations and a map were prepared to accompany a paper by Christopher Winters entitled "The Urban Systems of Medieval Mali."

Professor Rodman E. Snead:

Coastal Lanforms and Surface Features: A Photographic Atlas and Glossary. To be published in 1981 by Dowden, Hutchinson, and Ross, Inc., Stroudsburg, Penn.

Slide set on the Middle East. 60 color slides to be published by the National Council for Geographic Education for the Great Plains National Institutional Television Library in Lincoln, Nebraska. In preparation.

A 5 page entry on the coast of Pakistan was prepared for a book called World Shorelines being edited by Eric Bird and Maurice L. Schwartz to be published by Dowden, Hutchinson, & Ross, Publishers, Inc. Stroudsburg, Pa. in 1981.

An article on the Himalayas was prepared for Funk and Wagnalls New Encyclopedia. To be published in 1981.

A conference was attended in February in Santa Monica, California, to discuss drawing the landform maps for possible publication in an Atlas of Border Lands with Mexico.

Assistant Professor Morris L. Uebelacker:

Land and Life in the Naches River Basin: A Cultural Resource Review. 390 pp. Seattle: U.S. Government Printing Office. In press.

"Archeological Investigation of Three Sites in the Mid-Columbia Region, Washington State." Washington Archeological Research Center. In press.

Research was conducted on the biogeographic changes induced by historic settlement in the West.

Research was conducted to develop land use plans which cut across political boundaries but encompass ecological regions.

Assistant Professor Jerry L. Williams:

Research was conducted from May to August on the evolution of homestead communities on the Eastern High Plains of New Mexico. This research was supported by a grant from the Arts and Sciences Research Allocation Committee. A second grant from this source was received in November to continue the project.

Attended a conference in February in Santa Monica, California to discuss drawing the landform maps for possible publication in an Atlas of Border Lands with Mexico.

Activities in learned and professional societies

The Department was represented at the annual meeting of the Association of American Geographers by Professor Elinore Barrett and Assistant Professor Bradley Cullen, both of whom were active participants. Professor Barrett chaired one of the sessions, and Dr. Cullen presented a paper on "River Water Pollution in Norway: Some Regional Environmental Implications" at the meeting held in Louisville on April 14-16. Just before this meeting, Professor Barrett attended the Conference of Latin Americanist Geographers in Muncie, Indiana, on April 12-15. Later in the month Dr. Cullen presented a paper on "Work Camps on the North Sea" at the meeting of the Western Social Science Association held in Albuquerque on April 24-25.

Associate Professor Stanley A. Morain continued his active role in the American Society of Photogrammetry. He is Chairman of both the Committee on Education and the Student Affairs Committee. He attended the 1979-80 annual meeting of the Society in St. Louis in March and the 1980-81 annual meeting in Niagara Falls in October.

Several papers were presented at other professional meetings by two members of the Department. Assistant Professor Alastair Shedden presented one on "Albuquerque: The Morphogenesis of a Regional Service Center" at the annual meeting of the Association of Pacific Coast Geographers held in Reno on June 14-18. Assistant Professor Jerry L. Williams presented four papers, one to the meeting of the Western Association of Africanists in February, a second in June to the New Mexico Chapter of the American Planning Association, the third to the Conference on Applied Geography held in Wisconsin in September, and the fourth in October at the Governors Conference on Rural Development.

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Two other activities should be noted. Professor Rodman E. Snead was a Discussant for a Panel Session, Number VI, on "Geographic Problems and Prospects in South Asia" at the 9th Wisconsin Conference on South Asia held at the University of Wisconsin in Madison on November 7-9. Assistant Professor Morris L. Uebelacker was President of the Lane County Geographical Society prior to joining the staff here at the University of New Mexico.

Other professional activities

Two members of the staff presented special lectures, and two were involved with special interdisciplinary courses and a symposium. Special lectures were presented by Professor Richard E. Murphy, Assistant Professor Alastair Shedden, and Assistant Professor Jerry L. Williams. Professor Murphy gave a lecture on "The Geography of the British Isles" on August 28 to a class in Theatre Arts studying the Elizabethan Age. On November 12 he presented a lecture at Santo Domingo Pueblo on "The Geography of Climate, Soils, and Food Production in Relation to Population and Development" for Professor Glenn Whan's class on Energy and the Environment. Assistant Professor Alastair Shedden gave an address in January to the local Kiwanis Club on "The Returning Student at U.N.M." Also he presented a talk on "Historical Geography and the Use of the 1870 U.S. Census Manuscript Returns" at a colloquium at the University of California in Berkley in June. Special interdisciplinary courses involved two staff members. Professor Murphy contributed during the fall term to the course on The Environmental Problem, and Assistant Professor Jerry L. Williams was a faculty participant in

the University Intern Program on the 1980 Census of Population and Housing during the spring semester. In addition, Dr. Williams was faculty sponsor and co-organizer of a symposium on "Land Use Conflicts in the Jemez Caldera of New Mexico" presented in March by the New Mexico Geographical Association, the organization of the students and staff in Geography.

Non Teaching University Service

Members of the Geography Department were very active in committee work in the University and in serving in various capacities at the departmental, college, and university levels. All members of the department serve as advisors to both the undergraduate and graduate students, but three serve as particular advisors in ways indicated in the following descriptions of the contributions of the various members of the staff.

Professor Elinore M. Barrett served as a member of the Research Allocations Committee, of the Arts and Science Tenure Review Committee, and of the Committee on Latin American Studies. She served as Chairman of the Arts and Sciences Social Science Promotion Committee.

Assistant Professor Bradley T. Cullen served as a member of the Arts and Sciences Computer Use Committee.

Associate Professor Stanley A. Morain continued as Director of the Technology Application Center. He served on the faculty committee for the Ph.D. for Dr. Graham Lodavich of the University of New South Wales, Australia.

Professor Richard E. Murphy continued to serve as Chairman of the Geography Department. He was a member of the special Search Committee for the appointment

of a new Dean of Arts and Sciences. He served also as a representative of Arts and Sciences to the Faculty Senate. During the spring term he was a member of the Arts and Sciences Policy Committee, and during the Summer Session he was a lecturer for the College Enrichment Program. Also he served as a member of the European Studies Committee and of the Russian Studies Committee. He was principal advisor to undergraduate majors and one of two cardinal advisors on the programs of the graduate students.

Assistant Professor Alastair Shedden served as the departmental representative to the UNM High School Day. Also he was the representative of the Department to the commencement exercises.

Professor Rodman E. Snead served as a member of the Dean's Social Science Promotion and Tenure Committee. Also he was faculty advisor to the graduate students.

Assistant Professor Jerry L. Williams served as a faculty participant to the Public Relations Office, that is, the Office of School Relations, of the University. Dr. Williams also was faculty advisor to the New Mexico Geographical Association of the students and staff in Geography. The Association is a cardinal vehicle for discussion and scholarly presentations by and for the graduate students and staff of this Department.

Public Service

There are only limited items to report under this category except for one major matter, and that was the invitation to Assistant Professor Jerry L. Williams

to serve with the State Department in Washington. Both Dr. Williams and Assistant Professor Alastair Shedden served in local ways, the former as a volunteer teacher with the Albuquerque Childbirth Education Association, and the latter assisting with the ACLOA theatre productions. In addition, Dr. Williams' family served as a Host Family for the Albuquerque International Host Family Association. Of more significance, however was the invitation to Dr. Williams by the Agency for International Development of the State Department to serve as a Visiting Faculty Member in Developmental Studies. Accordingly, Dr. Williams left in December for Washington, D.C. where he will be for a period of a year or eighteen months serving in this capacity.

ACTIVITY UNIT	PEOPLE		EQUIPMENT AND FURNISHING	SPECIAL CONDITIONS	SQUARE FEET
	KINDS AND NUMBERS				
Dept. Secretary's Office	1 staff, 4 visitors		Desk and chair; 4 extra chairs; 4 filing cabinets; supplies cabinet. Table	Controls access to chairman's office. Carpet	170
Staff Secretary's Office	2 staff; 4 visitors		Desk and chair, 4 extra chairs; storage cabinet. Table. Extra desk & Chair	Adjacent to Department Secretary's Office. Carpet	170
Work Room	2 stations		Xerox. Ditto Machine. Miemograph. Collating table, Mailboxes for 20, bulletin board.	Should open off secretary area	150
Storage Room			Shelving for office shpplies	Should open off work room	100
Chairman's office	1 chairman, 4 visitors		Desk and chair. 4 side chairs. Large table, 3 filing cabinets. Linear shelving, 100 ft.	Should open off Dept. Secretary's office. Carpet.	180
Conference Room	12		Large conference table, 12 chairs	Near Chairman's Office; should be pleasantly decorated. Carpet.	260
Lounge	For Faculty, Staff, and Graduate Students		Tables, Chairs, coffee area; table for coffee.	Should be pleasantly decorated. Carpet.	500

ATTACHMENT NUMBER (1)

SPACE PROGRAMMING FOR GEOGRAPHY - FACULTY AND GRADUATE STUDENT SPACES

ACTIVITY UNIT	PEOPLE KINDS AND NUMBERS	EQUIPMENT AND FURNISHING	SPECIAL CONDITIONS	SQUARE FEET
Faculty offices. 10 @ 170 sq. ft.	1 faculty per office	1 desk and chair 1 work table 1 drafting table shelving, 150 linear feet, blackboard, 4 filing cabinets, 2 side chairs	faculty need larger areas because of the kinds of work involved. Carpet.	10 @ 170 each. Total 1,700.
Grad. student/ TA offices 8 @ 120 sq.	2 per office	2 desks & 2 chairs, 2 side chairs, shelving. 2 file cabinets.	Carpet	8 @ 120 each. Total 960
Student Organization Office	2-3 students	3 desks, 3 chairs	Carpet. Should open onto Lounge	180

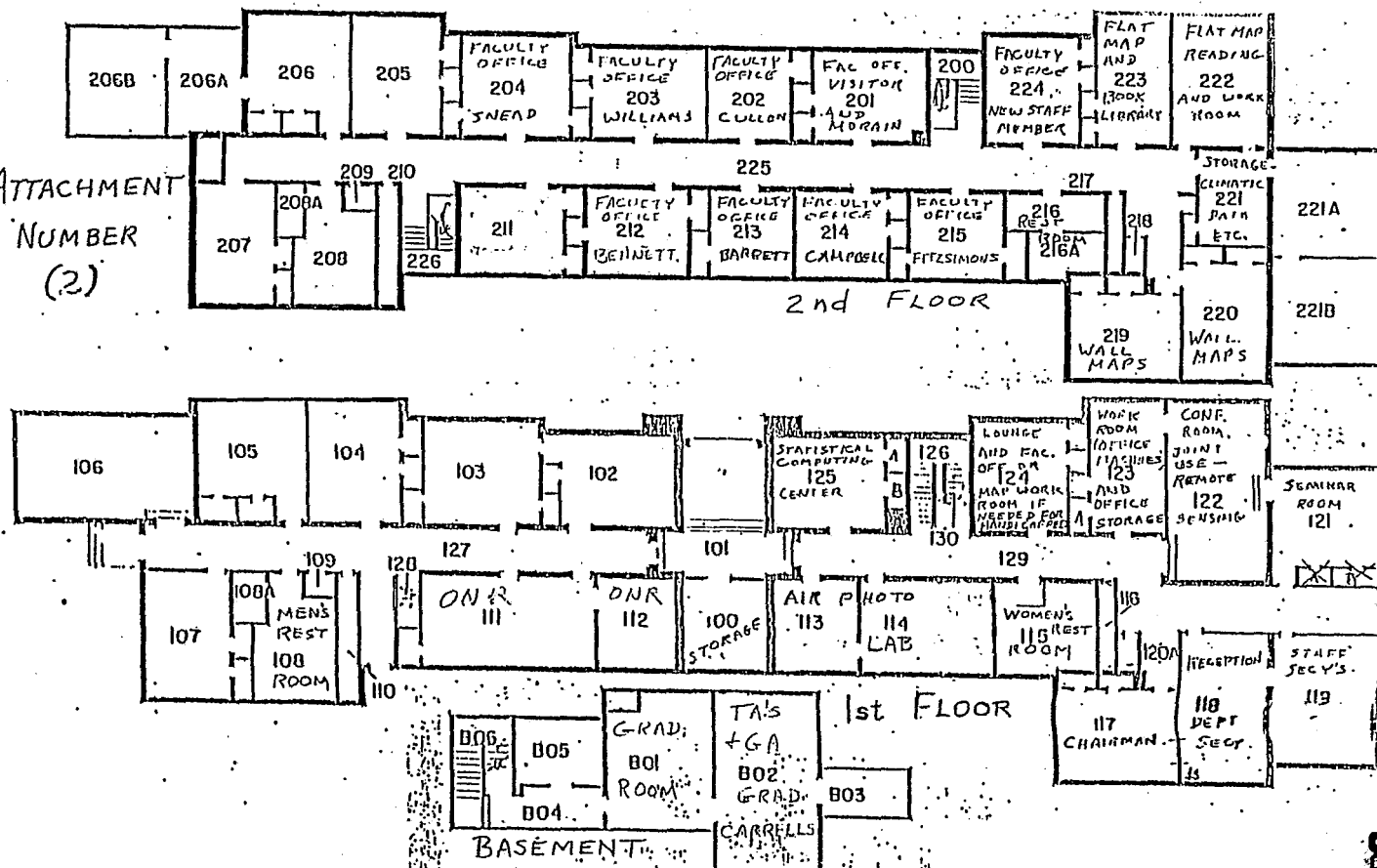
PROGRAMMING FOR GEOGRAPHY - MAP COLLECTIONS, LIBRARY, SEMINAR ROOM, AIR PHOTO-REMOTE SENSING LAB, AND COMPUTING CENTER:

ACTIVITY UNIT	PEOPLE KINDS AND NUMBERS	EQUIPMENT AND FURNISHING	SPECIAL CONDITIONS	SQUARE FEET
Wall Map Room	1 station	1 desk and chair. Flat map case, 4½' x 5'; 5 racks for wall maps; 1 rack for rolled paper maps; 1 rack for relief maps. Pulley for examining maps. Large table.	Eventually should be near Lecture room, but more important to have in same building as faculty offices.	400
Library	1 staff	4 flat map cases, each 4½' x 5'. 2 air photo file cabinets. Shelving for books along 3 walls.	Should open off library reading room	400
Library Reading Room		Reading tables and chairs. 2 drafting tables. 1 light table. 4 work tables and chairs.	Students and faculty use this space for study and research and for map exercises for classes.	600
Air Photo and Remote Sensing Lab.	16 stations	4 large work tables and chairs for 16 students		700
Seminar Room	15	Table and chairs for 15 students and instructor. Blackboard at one end with map rail. Tack board on one side with map rail	Carpet	340
Statistical Center and Computing Center	3 stations	2 computer terminals; 1 desk and chair; 1 work table; 1 light table; 3 side chairs.	Should be relatively sound proof	250

SPACE PROGRAMMING FOR GEOGRAPHY - MISCELLANEOUS AREAS

ACTIVITY UNIT ACTIVITY UNIT	PEOPLE KINDS AND NUMBERS	EQUIPMENT AND FURNISHING	SPECIAL CONDITIONS	SQUARE FEET
General storage		Shelving		200
Display areas			Can be in main entrance hall and along other major halls. Large maps being on walls. Bulletin boards.	
Large Classroom?	150 students 1 instructor	150 spaces with large desk surfaces for studying maps. Pulleys for 3 wall maps; blackboards on front and one side of room with map rails. Projection booth. Controls for projector. Movable desk at front with movable desk lectern. Pull down projection screen. Movable map stand. Movable floor globe.	A high ceiling is necessary in order to hang maps so they are visible throughout the room. If there is not room in Bandelier East for this, then another room should be assigned in another building close by. Meanwhile, such a room should be designated for use by Geography Department.	

ATTACHMENT
NUMBER
(2)



To: Van Dorn Hooker

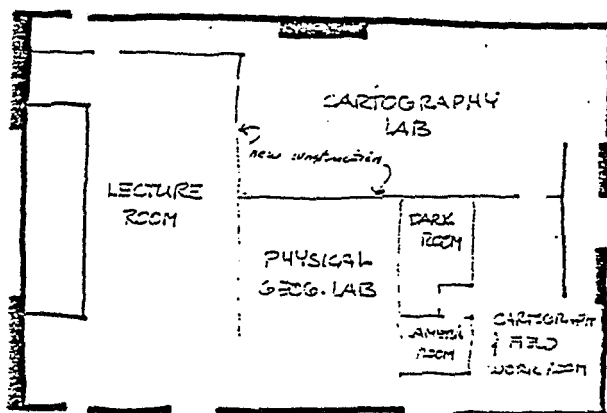
Date: March 3, 1981

From: Patricia F. Richards

Subject: Meeting with Geography Department, Tuesday, March 2, 1981:
Remodeling Anthropology Room 170 for Geography

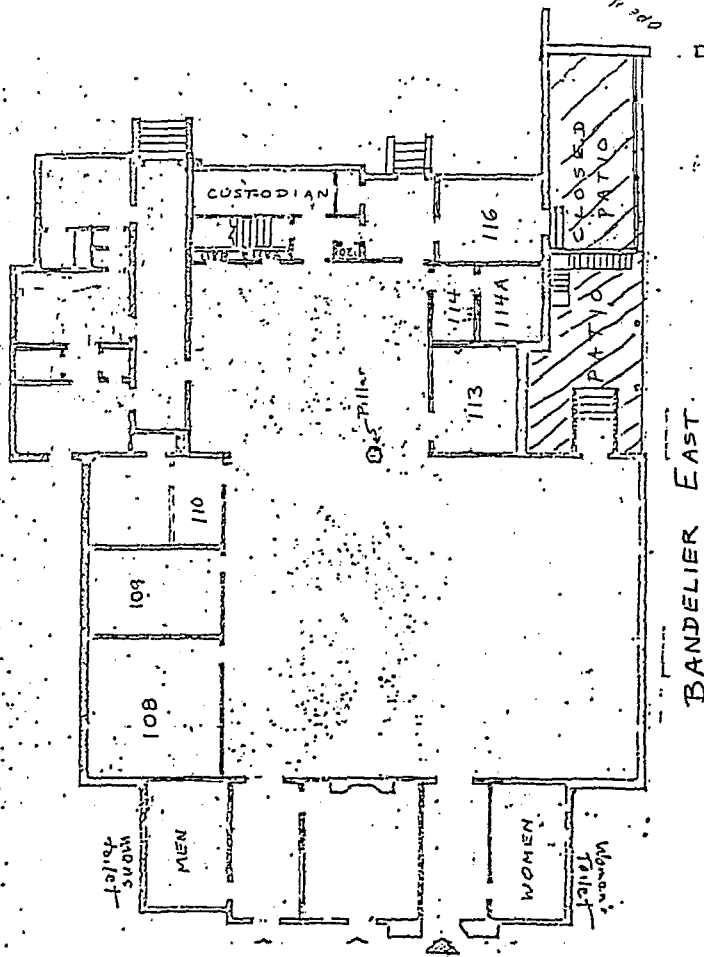
Review of the Space Programming document for remodeling Anthropology Room 170 for temporary occupancy.

The programming document, as written, outlines the requirements for Geography when they move these spaces out of Anthropology and to Bandelier East as long term plans indicate. Programming requirements for the rest of their spaces will be added to it.



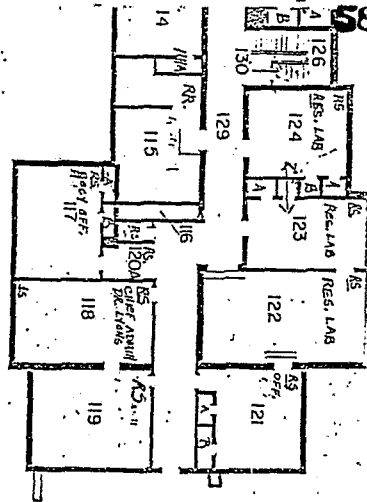
Suggestion only. subject to needs required by, etc., etc.

ATTACHMENT NUMBER (3)



BANDELIER EAST

BANDELIER WEST



ATTACHMENT NUMBER (4)

DEPARTMENT OF GEOLOGY
UNIVERSITY OF NEW MEXICO
July 1, 1980 - June 30, 1981

Faculty and Staff of the Department of Geology

FULL PROFESSORS:

Roger Y. Anderson, Ph.D., Stanford University, 1960.

Douglas G. Brookins, Ph.D., Massachusetts Institute of Technology, 1963.

Wolfgang E. Elston, Ph.D., Columbia University, 1953.

Klaus Keil, Director, Institute of Meteoritics, Ph.D., Mainz University, 1961.

Lee A. Woodward, Ph.D., University of Washington, 1962.

ASSOCIATE PROFESSORS:

Jonathan F. Callender, Assistant Chairman, Ph.D., Harvard University, 1974.

Rodney C. Ewing, Chairman, Ph.D., Stanford University, 1974.

Raymond V. Ingersoll, Ph.D., Stanford University, 1976.

Albert M. Kudo, Ph.D., University of California-San Diego, 1967.

Barry S. Kues, Ph.D., Indiana University, 1974.

ASSISTANT PROFESSORS:

Jeffrey A. Grambling, Ph.D., Princeton University, 1979.

Stephen P. Huestis, Ph.D., University of California-San Diego, 1976.

Stephen G. Wells, Ph.D., University of Cincinnati, 1976.

Crayton J. Yapp, Ph.D., California Institute of Technology, 1980.

EMERITUS PROFESSORS:

J. Paul Fitzsimmons, Ph.D., University of Washington,
1949.

Vincent C. Kelley, Ph.D., California Institute of
Technology, 1937.

Stuart A. Northrop, Ph.D., Yale University, 1929.

Sherman A. Wengert, Ph.D., Harvard University, 1947.

ADJUNCT PROFESSORS:

Edward C. Beaumont, M. S., University of New Mexico,
1948.

Rodney J. Holcombe, Ph.D, Stanford University, 1973.

William C. Luth, Ph.D., Pennsylvania State, 1963.

John W. Shomaker, M. S., University of New Mexico, 1965.

FACULTY AND RESEARCH ASSOCIATES:

Frank D. Gorham, B. S., University of Missouri

Richard F. Haaker, M. S., Texas A & M

Edward R. D. Scott, Research Scientist, Institute of
Meteoritics, Ph.D., Cambridge University

G. Jeffrey Taylor, Senior Research Associate, Institute of
Meteoritics, Ph.D., Rice University

STAFF:

Sheryl Boughter, Staff Secretary

Ramona Caplan, Bookkeeper

Gerald G. Gomez, Thin-section Preparator

Veronica Grady, Staff Secretary

Sharon Hamilton, Department Secretary

John Husler, Staff Chemist

Donald M. Power, Department Preparator

Judy Salas, Drafting Technician

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The Report of the Department of Geology

July 1, 1980 - June 30, 1981

Rodney C. Ewing, Chairman

Jonathan F. Callender, Assistant Chairman

1. General Departmental Information

A. Significant Achievements

The Department of Geology consists of 15 full-time faculty (one new faculty position was added for the 1981-1982 academic year), six part-time faculty, four Professor Emeriti, an Adjunct Distinguished Professor of Petroleum Geology (supported by Energy, Exploration, Education, Inc.), the Caswell Silver Distinguished Professor, three research associates, 2 post-doctoral appointments, 5 Ph.D. candidates, 52 M.S. candidates, and 150 undergraduate majors.

During the past year the department granted 16 Bachelor of Science degrees, 14 Master of Science degrees and 3 Doctor of Philosophy degrees (Appendix I). This compares to 13, 10 and 9 degrees, respectively, for the previous year. As in previous years the placement of our graduates at all levels continues to be 100 percent. Graduates with bachelor's degrees have taken jobs with the Energy Reserves Group in Albuquerque, Seismograph Service Corporation, Atlantic Richfield Company, Mapco Minerals, Cominco American, Exxon Minerals, Anaconda Copper Corp., Texaco, Santa Fe Mining, and Shell Oil Corp. Starting salaries range from \$19,000 to \$26,000 per year. Other graduates with bachelor's degrees will attend graduate school

at Colorado State University, the University of Cincinnati and the University of Washington. In each case the students have received generous offers of financial aid in the form of either teaching assistantships or fellowships. Graduates with M.S. or Ph.D. degrees have been employed by Exxon, Freeport Exploration, Phillips Uranium, Atlantic Richfield Company, Western Nuclear, University of Petroleum and Minerals (Saudi Arabia), Johnson Space Center (NASA), Shell, N.M. Environmental Improvement Division, New Mexico Bureau of Mines, Radian Corporation, and Los Alamos Scientific Laboratory (Appendix 1). The demand for our graduates remains strong and constant. Graduates are sought after by industry as well as state and federal agencies and typically are accepted into the best graduate programs in the country. The demand for earth scientists continues to press salaries upward. The American Geological Institute (Geospectrum, July, 1981) reports that the average salary for an earth scientist with five years of experience is \$42,800. The average member of the American Association of Petroleum Geologists makes \$49,390, and seventy-five percent of the membership earn in excess of \$35,000 (study by Rome Arnold & CO. for the AAPG).

As a faculty, we have taken advantage of the increased demand for our graduates and the steady enrollments in geology courses and have continued to apply strict academic standards. Of the eight specific sub-disciplines of geology tested on the Advanced Graduate Record Examination, our

undergraduates score significantly above the mean in two areas (structure and petrology) and are at the mean for the remaining six areas. Based on the UAP Aptitude Mean Scores, geology majors rank well above the UNM norm and the national norm. The Department continues to award a smaller percentage of grades of A (12.6%) or B (23.1%) in undergraduate courses than is average for the College of Arts and Sciences (Spring, 1980). This is a clear reflection of the strength of the overall program, which we continue to make even stronger by insisting on quality teaching in all courses. At every level the fundamental aspects of the discipline are stressed so that a student who completes his/her B.S. degree is well prepared for employment or advanced training at the graduate level.

Table 1: GRE Advanced Test Subscores at UNM

	<u>Average</u>			<u>GRE Norm</u>	
	<u>77-78</u>	<u>78-79</u>	<u>79-80</u>	<u>77-78</u>	<u>78-80</u>
Geology					
Stratigraphy, Paleontology, and Geomorphology	59.8	57.6	55.1	58.0	57.9
Structural and Geophysics	61.1	62.6	61.3	58.0	58.1
Mineralogy, Petrology, & Geochemistry	62.4	62.8	57.7	58.6	58.3

A major hallmark of the department remains a dedication to research and the incorporation of that research into the instruction of students at the undergraduate and graduate level. Our fourteen full-time faculty (two positions have been

filled for 1981-1982) for this past year published over 131 papers, technical reports, abstracts, maps and books (this does not include papers in press or preparation), of which many were co-authored with graduate students. In addition, the faculty managed research grants and contracts totalling \$1,759,104 (Appendix II). These funds generated a return in overhead for the university of \$125,773. The research grants included funds to support work in the following areas: (1) Uranium deposits of the Grants Mineral Belt; (2) Compilation of geoscience data relating to direct-heat geothermal potential of New Mexico; (3) The structural and metamorphic geology of the Precambrian of north-central New Mexico; (4) Cenozoic volcanism and orogeny in the New Mexico segment of the Basin and Range province; (5) The evaluation of the long-term stability of radioactive waste forms; (6) Sub-surface temperature distributions from heat flow observations; (7) Sedimentary petrology of units of the Espanola basin, New Mexico; (8) Evaluation of the geothermal potential of numerous areas in the southwest; (9) Study of deep sea sediments and basalt flows; (10) Vertebrate and invertebrate paleontology of New Mexico; (11) Landscape reclamation in the strippable coal belts of northwestern New Mexico; (12) Survey of potential sites for the isolation of nuclear waste in shale and argillite units in Nevada; (13) Applications of volcanology to lunar and planetary geology; (14) Detailed studies of lunar samples and meteorites; (15) Chemical weathering on Mars; (16) Climatic and solution history of the northern Delaware Basin, New

Mexico; (17) Mt. St. Helens; (18) Geochemical studies of the WIPP site; (19) Geochemical studies of uranium mill tailings; (20). The tectonic setting of continental rift systems; (21) crystallography and crystal chemistry of rare earth silicates; (22) radiation damage in crystalline materials.

Although the above list represents only a partial survey of the research activities of the Department of Geology (see Part II of this report for a complete description of research projects), it is clear that a major portion of this research is of direct benefit to the citizens of the State of New Mexico.

The faculty have been active participants in the geologic profession. Geology faculty participated in the Annual Meeting of the American Association of Petroleum Geologists; the Annual Meeting of the Society of Mining Engineers; the Annual Meeting of the American Association for the Advancement of Science; the Annual Meeting of the American Chemical Society; Annual Meeting of the Geological Society of America; Annual Meeting of the Mineralogical Society of America; Annual Meeting of the New Mexico Geological Society; NASA Planetary Geology Principal Investigator's Conference; Geological Society of America Penrose Conference on "Silicic Volcanism: Ash Flow Tuffs, Calderas and Associated Hydrothermal Systems"; U.S.G.S. Conference on Tectonic Framework of the Mohave and Sonoran Deserts; International Symposium on the Scientific Basis for the Management of Radioactive Waste sponsored by the Materials Research Society; Workshop on Alternative Nuclear Waste Forms

sponsored by Oak Ridge National Laboratory and the Division of Materials Science of the USDOE; DOE Materials Characterization Center Workshop on Radiation Damage; International Seminar on Chemistry and Process Engineering for High-Level Liquid Waste Solidification sponsored by Gesellschaft Deutscher Chemiker; International Conference on Mathematical Problems of the Thermal and Dynamic State of the Earth; 26th International Geological Congress, Paris; and the Annual Meeting of the American Geophysical Union. In nearly every case, support for travel to national and international meetings came from outside of the University. In addition to faculty travel, 40 geoscientists visited the Department of Geology to present lectures and discuss their work with faculty and students (Appendix III).

The geology faculty served on the editorial boards of the following journals: The Bulletin of the Geological Society of America, The American Mineralogist, Geology, Chemical Geology, The Colorado School of Mines Quarterly, Nuclear Geology and Tschermark's Mineralogisch Petrographische Mitteilungen. Professor Brookins served as a member of the Editorial board of the proceedings volume of the Third International Symposium on the Scientific Basis for Nuclear Waste Management and will be the general chairman for Fourth International Symposium to be held in Boston, in November of 1982. Professor Ewing is on the program committee for the Fifth International Symposium to be held in Berlin in 1982. Professor

Callender continues to serve as a technical editor for Geotectonics and as managing editor for the New Mexico Geological Society. Professor Wells served as a coeditor for Special Publication #10 of the New Mexico Geological Society entitled Environmental Geology and Hydrology of New Mexico. Professor Ewing serves as president of the New Mexico Geological Society. Professor Huestis is Secretary of the Albuquerque Geological Society. Professor Keil is a member of the Nominations Committee of the Mineralogical Society of America and a member of the Program Committee of the Lunar and Planetary Science Conference in Houston, Texas. Professor Woodward was Program Chairman for the Rocky Mountain Section of the American Association of Petroleum Geologists and a member of the Membership Committee of the Geological Society of America. Professors Ewing and Keil serve as members of the Board of Directors of the Caswell Silver Foundation. Professors Ewing and Woodward serve as members of the Board of Directors of Energy, Exploration, Education, Inc.

The Institute of Meteoritics continues as an important part of the research and instructional program of the Department of Geology. The research program has resulted in the publication of about 35 scientific articles in major national and international reviewed journals, as well as the publication of fourteen abstracts of papers presented at national and international conferences. The staff and students associated with the Institute presented the results of their research in the

form of about 35 professional papers presented before national and international scientific meetings. During the report period, grants and contracts totalling about \$1.4 million were in effect in the Institute of Meteoritics.

The Department has continued its traditional emphasis on the quality of undergraduate and graduate education. As part of this effort, the entire undergraduate curriculum was revised during the 1979-1980 academic year. (Appendix IX). The revised curriculum establishes a basic core curriculum with strong requirements in the supporting sciences and mathematics, and yet retains enough flexibility to allow students to prepare themselves for advanced study in various disciplines of geology such as geophysics or geochemistry. The revised curriculum was phased into the Departmental course offerings during the 1980-1981 academic year. At the graduate level, the procedures and examinations for advancement to candidacy for the M.S. and Ph.D. degrees were implemented (Appendix X and XI). The revision was made in an effort to insure the most efficient completion of the degree requirements and at the same time insure a consistent, high level of performance of students during graduate examinations.

Applications for admission to the graduate program have increased sixty percent. One hundred and fifty four students applied for admission in 1981 and 70 were admitted. A total of 65 were students desiring to work towards an M.S. degree; 4 were Ph.D. candidates. Based on the results of the Graduate Record Examination, the students accepted into our graduate

Corporation has also committed itself to another gift of \$10,000 for this next year. The Department is quite proud of this program, as it provides an excellent example of industry and university cooperation in the education of geologists in energy and resource related fields.

Financial aid for students is available for those who can demonstrate financial need and academic merit. Undergraduate scholarships are supported by outside gifts and by the Leonard Scholarships (see Appendix IV for a list of students and the amounts of their awards). Restricted and unrestricted gifts to the Department totaled \$18,879.00. Major contributions were made by Conoco, the Amoco Foundation, Atlantic Richfield Co, the Mobil Foundation, Phillips Petroleum Foundation, Tenneco Oil Co., Exxon and Anaconda Corp.

A major gift of \$35,000 was presented to the UNM Foundation by the Campbell Foundation. This gift establishes an endowment for the General Thomas D. Campbell Memorial Scholarship Fund which will provide scholarships to two geology undergraduates for a period of two years, beginning their junior year.

The Department has also established a series of awards to be given to outstanding undergraduates:

The J. Paul Fitzsimmons Award to the Outstanding Sophomore:
(\$100 and a quality handlense awarded to Joyce Underwood)

program fall into the top quarter of the graduating geology seniors who took the exam. The characteristics of the applicants are summarized in Appendix VI.

In order to augment course offerings at the undergraduate and graduate level in energy related fields, the Department was proud to host the first Distinguished Visiting Professor of Petroleum Geology, Dr. Frank Conselman. Dr. Conselman is a past president of the American Association of Petroleum Geologists, the American Geological Institute and the American Institute for Professional Geologists. During the Fall semester of 1979 he taught two courses: Petroleum Geology and Subsurface Geology. Funds for this position are provided by a nonprofit corporation, Energy, Exploration, Education, Inc. The Department has requested nominations from prominent petroleum geologists for the selection of the next Distinguished Visiting Professor of Petroleum Geology for the Spring semester of 1982. The members of the Board of Directors of Energy, Exploration, Education, Inc. have begun an active program of fund raising from corporations and alumni to provide an endowment for this program. An Advisory Board consisting of fourteen alumni and chaired by Mr. William H. Kaufman has been charged with this fund raising responsibility. The Advisory Board will also recommend candidates to be considered for the professorship. The program has already received several generous contributions from alumni, as well as a gift of \$8,000 from the Gulf Oil Foundation and a gift of \$10,000 from Phillips Uranium Corporation. Phillips Uranium

The Sherman A. Wengerd Award to the Outstanding Junior
(\$50 and a Brunton compass awarded to William Blount)

The Stuart A. Northrop Award to the Outstanding Senior
(\$200 awarded to John Appel)

The Vincent C. Kelley Award for outstanding field
geologist was awarded to Tom Bullard.

Support for graduate students continues to be in the form of teaching assistantships (12 full-time awards), natural science teaching assistantships (2 full-time awards), and research assistantships (38 partial or full-time awards). The Department of Geology continues to support the greatest number of students on research assistantships of any department in the College of Arts and Sciences. Data for the Spring semester of 1980 show that of 69 RA's in the College of Arts and Sciences, 25 were in the Department of Geology. In addition to the normal types of financial aid, the Department offered its first two fellowships funded by the Caswell Silver Foundation. The Vincent C. Kelley Fellowship was awarded to John Pickle (geochemistry/hydrology) a graduate of Franklin & Marshall, and the Leon T. Silver Fellowship was awarded to Robert Trumbull (economic geology) a graduate of Stanford University.

Another new program of financial support for graduate students was established through the efforts of Professor Emeritus Vincent C. Kelley. An Alumni Graduate Fellowship Fund was created in the UNM Foundation. Earnings from the principal in the form of Fellowships will be used to attract the

very best students in the country. In the future, we hope that this fund will allow the Department to be competitive with any university in the country. Alumni and faculty support for this program has been heartening. The fund now contains over \$5,000, with promises of substantial future contributions.

In addition to the support for graduate and undergraduate students, the University has invested substantial funds into the renovation of Northrop Hall and into equipment. This summer we are completing Phase I of the renovation of the basement into an analytical facility which will house a new scanning electron microscope with an energy dispersive system for chemical analysis. The renovated space will eventually contain two fully automated electron microprobes (one to be purchased, the other is already in the Department) a sample preparation laboratory, darkroom facilities, additional laboratory space and space for curated mineralogy, petrology and paleontology collections. When Phase II of the renovation is completed, the Department will have one of the most modern analytical facilities of any geology department in the country. On the second floor a complex of five rooms is being remodeled into chemistry laboratories, one of which will house a new x-ray fluorescence unit. The equipment purchases are possible because of funds made available by a state bond issue to up-grade equipment in science and engineering departments. The Department of Geology has used these funds to generate matching funds from federal granting agencies. The scanning electron microscope

and the x-ray fluorescence unit have been purchased with a combination of state funds and matching federal funds.

Certainly the most significant development for the future of the Department of Geology was the creation of the Caswell Silver Foundation. The Board of Directors held their first meeting on November 2, 1980. The Foundation is a non-profit corporation created to support graduate education in the earth sciences and to stimulate the research of the faculty and students in the Department of Geology. The corporation is governed by a Board of Directors which will consist of distinguished UNM geology alumni (Caswell Silver, Leon T. Silver and Edward Beaumont) and faculty of the Department of Geology (R. Ewing and K. Keil). Its principal programs include:

1. The Caswell Silver Distinguished Professorship in

Geology: This endowed professorship will be awarded on a rotating basis (the professorship may be held for a period of one to two years) by earth scientists of international reputation. They are expected to be active participants in the research activities of the department and to teach at least a single seminar, in an advanced topic of their choice, during each academic year. The Corporation will provide for the salary of the professorship, as well as a generous allocation for travel and operating expenses (to include secretarial support, analytical services in

department laboratories, use of field vehicles and preparation of maps, photographs and manuscripts).

2. Vincent C. Kelley Graduate Fellowships and Leon T. Silver Graduate Fellowships: Two fellowships will be awarded each year for terms of up to 3 years. Each fellowship recipient will receive a generous living stipend and an allocation for research expenses.
3. The Caswell Silver Distinguished Lecture Series: The lecture series will provide funds to invite internationally known earth scientists to present a series of lectures in the Department of Geology.
4. Geology Department Travel Fund: The travel fund will supplement university funds to enable faculty and students to attend professional meetings. Preference will be given to junior faculty or to students who will be presenting papers at national and international meetings.

The first Caswell Silver Distinguished Professor will be Professor F. D. Bloss of Virginia Polytechnic Institute and State University. Professor Bloss holds the Alumni Distinguished Professorship at VPI & SU and is past president of the Mineralogical Society of America and past Editor of The American Mineralogist. He has published classic textbooks in crystallography, crystal chemistry and optical mineralogy. His most recent book, The Spindle Stage: Principles and Practice (Cambridge University Press) will serve as his textbook for an

advanced course in optical techniques to be taught during the fall semester of 1981. The faculty are honored to have Professor Bloss join us for the 1981-1982 academic year.,

The tremendous range of activity and accomplishment in the Department of Geology reflects directly on its faculty, students and alumni. The University of New Mexico recognized some of these individuals this past year. Professor Keil was named the Research Professor of the year. Professor Emeritus Vincent C. Kelley received the Regent's Recognition Medal, and Mr. Caswell Silver received an Honorary Doctor of Science degree. All three of these individuals represent the highest level of accomplishment within the Department of Geology.

Figure 1: Caswell Silver receives an Honorary Doctorate of Science from President "Bud" Davis at commencement on May 17, 1981.

Figure 2: Caswell Silver Foundation Board of Directors (from left to right) Lee Silver, Ed Beaumont, Caswell Silver, Rod Ewing, Klaus Keil and Vin Kelley.

Figure 3: Caswell Silver (center) meets with members of the Geology Department.

B. Significant Plans and Recommendations

1. The Department of Geology must continue its planned renovations of research and teaching laboratories. Completion of Phase I of the renovation of the basement will finish the new scanning electron microscope laboratory and provide all of the mechanical and electrical requirements for future laboratories in the north-south wing of the basement. Phase II renovation of the basement will complete both electron microprobe laboratories, office space for technicians, a sample preparation laboratory and darkroom facilities.

Phase III renovation of the basement will complete the space for curated mineralogy, petrology and paleontology collections. Renovation on the second floor will provide the Department with a five room complex for a chemistry laboratory which will house the new x-ray fluorescence unit, an atomic absorption unit, a crystal synthesis laboratory, a room for balances, a room for wet chemical analysis and office space for the staff chemist. In addition, plans must be made for the renovation of the teaching laboratories of the mineralogy, petrology and physical geology courses. The renovations are, in part, required by the recent revision of the undergraduate curriculum.

2. The Department must continue to implement the new revised undergraduate curriculum. This will require coordination of the mineralogy and petrology course sequences and an expanded undergraduate advisement system.

3. In order to maintain and improve the excellence of our graduate program, the Department must develop methods to guarantee national exposure of the graduate program. In addition to brochures and announcements that were developed during this past year, individual faculty members must play an active role in recruiting new graduate students. As the quality of our program improves the competition for graduate students will increase dramatically.

4. The Department must continue in its efforts to establish a permanent endowment for the Visiting Distinguished Professor of Petroleum Geology. Although alumni are now actively involved in the fund raising, we still require substantial contributions in order to guarantee this program as a permanent part of our academic curriculum.

5. The Department must implement the programs which will be supported by the Caswell Silver Foundation. This includes the selection of the next Caswell Silver Distinguished Professor, the selection of students for the Vincent C. Kelley and Leon T. Silver Graduate Fellowships, and invitation of speakers for the Caswell Silver Distinguished Lecture Series.

C. Appointments to Staff

1. Kenneth Mahrer, Stanford University (1979) appointed as an Assistant Professor, effective August 17, 1981.

2. Leslie McFadden, University of Arizona (1981) appointed as an Assistant Professor, effective August 17, 1981.

3. George Carnako, appointed as Department Preparator, effective January 15, 1981.

4. Veronica Grady, appointed as Staff Secretary, effective July 23, 1981.

5. Barry Kues, appointed as Assistant Chairman, effective July 1, 1980.

6. Sheryl Boughter, promoted to Department Secretary effective July 1, 1981.

D. Separations from Staff

1. Sharon Hamilton, Department Secretary, resigned effective June 1, 1981.

2. Donald M. Power, Department Preparator, retired effective January 15, 1981.

3. Friedje VanGils, Staff Secretary, resigned effective August 1, 1980.

E. Sponsored Research

Contracts in effect during this reporting period are summarized in Appendix II. Total contract dollars for this period equal \$1,759,104 with an estimated return of overhead to the University of \$125,773. Of the fourteen faculty for this reporting period, thirteen submitted at least one proposal and twelve had funded research programs.

1. ADVANCED STUDY

Douglas G. Brookins

Workshops on Waste Rock Interaction Technology, and Materials Characterization Study; both at Battelle Memorial Institute, Seattle.

Wolfgang E. Elston

Attended NASA-sponsored course on Venus Orbiting Radar Interpretation, Goodyear Aerospace Corp., Litchfield Park, Arizona, March 10-14, 1980.

Crayton J. Yapp

Ph.D. from the California Institute of Technology in June, 1980

2. SABBATICALS, LEAVES OF ABSENCE, TRAVELS, ETC.

Douglas G. Brookins

Sabbatical for 1979-80 Academic Year (separate report sent to UNM Adm., Aug. 1980). Studies included research on Oklo Natural Reactor and on Hot Dry Rock Geothermal Project, Los Alamos Scientific Laboratory. Additional research with Lawrence Livermore Laboratory (NRC funded).

Jonathan F. Callender

Professional travel to: Washington, D. C. (Smithsonian Institution, television interviews and U. S. Congress); Bloomington, Ind. (Indiana University); Ann Arbor, Mich. (Univ. of Michigan); Palo Alto, Calif. (Stanford Univ.); Pasadena, Calif. (Caltech); Atlanta, Georgia (Georgia Institute of Technology); Columbia, S. C., Asheville, N. C. (Environmental Policy Institute); field work in California and northern New Mexico.

Wolfgang E. Elston

Guest lecturer and excursion leader, UNM German Summer School, Taos, NM, June 24-25, 1980.

Geologic Summer Field work in southwestern New Mexico, northern Mexico and southeastern Alaska

Rodney C. Ewing

Visiting Research Scientist, Hahn-Meitner Institute, Berlin, Federal Republic of Germany (June, 1980)

Jeffrey A. Grambling

Summer teaching: Field Geology, University of Oklahoma Geology
Camp, Canon City, Colorado.

Klaus Keil

Houston, Texas. Served on Program Committee for the 11th Lunar and
Planetary Science Conference, L. B. Johnson Space Center,
January 27-30, 1980.

Houston, Texas. Attended Lunar and Planetary Science Conference,
L. B. Johnson Space Center, and co-authored three talks,
March 16-21, 1980.

Santa Fe, New Mexico. Presented talk to Santa Fe Astronomers,
March 27, 1980.

Houston, Texas. Served on Antarctic Meteorite Working Group,
National Science Foundation, L. B. Johnson Space Center, April
10-13, 1980.

Mercury, Nevada, and Las Vegas, Nevada. Visited Nevada Test Site
to study tuff, June 3-4, 1980.

Houston, Texas. Served on Review Board for Halley/Temple 2 Comet
Mission, L. B. Johnson Space Center, August 3-7, 1980.

Mercury, Nevada. Visited Nevada Test Site for study of tuff, August
20-21, 1980.

La Jolla, California. Attended Meteoritical Society Meeting,
co-authored 6 talks, and participated in meeting of committee
to organize a conference on meteoritic parent body regolith
formation, University of California, La Jolla, September 2-7,
1980.

Washington, D. C. Served on Antarctic Meteorite Working Group,
National Science Foundation, September 11-15, 1980.

Barraboo Campus, University of Wisconsin, attended Edison
Foundation Meeting and presented invited feature paper,
October 2-4, 1980.

Houston, Texas. Served on Lunar and Planetary Science Council,
Lunar and Planetary Institute, October 23-24, 1980.

Raleigh, North Carolina. Participated as a member of a 4-man panel
in the review of the Geology Department at North Carolina State
University, December 2-5, 1980.

Albert M. Kudo

Travel to La Jolla, CA, Scripps Institution of Oceanography to
present results of study on Deep Sea Drilling Cores

Travel to San Francisco, CA, American Geophysical Union Meeting to
present two papers

Director of Summer Program in Geology and Spanish in Guadalajara,
Jalisco, Mexico

Lee A. Woodward

Travel to Montana, Wyoming, Colorado, Arizona and Texas.

3. NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

Douglas G. Brookins

Who's Who in America, 41st Ed.

Who's Who in the World, 5th Ed.

Elected to Membership in: American Nuclear Society, American Chemical Society, The Explorer's Club (Fellow), Clay minerals Society, Society of of Exploration Geochemists, Society for Geology Applied to the Study of Ore Deposits, Executive Editor for new Journal: "Uranium" (Elsevier)

Jonathan F. Callender

Selected Fellow of Geological Society of America; Turner Distinguished Lecturer, University of Michigan.

Rodney C. Ewing

Elected to Fellowship in the Geological Society of America (May 19, 1980)

Listed in Who's Who in the West (1980)

Sigma Xi Certificate of Recognition

Klaus Keil

Member, Editorial Board, Journal "Chemical Geology".

Member, Editorial Board, Colorado School of Mines Quarterly, Golden, Colorado.

Chairman, Lunar and Planetary Science Council, Universities Space Research Association, Houston, Texas.

Member, Antarctic Meteorite Working Group, National Science Foundation.

Member, Search Committee for Editor, Geophysical Research Letters,
American Geophysical Union.

Member, Editorial Board, Tschermak's Mineralogisch-Petrographische
Mitteilungen, Vienna, Austria.

Member, Nominating Committee, Mineralogical Society of America.

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4. PUBLICATIONS

Roger Y. Anderson:

"Dissolution of salt deposits by brine density flow", Geology, v. 8, p. 66-69.

"Field trip notes for salt dissolution features in the Delaware Basin", in Chaturvedi, L. (Ed.), WIPP site and vicinity geologic field trip, New Mexico State Environ. Eval. Group, EEG-7, p. 112-129.

"Relationship of deep-seated dissolution to the WIPP site": in Geotechnical considerations for radiological hazard assessment of WIPP, New Mexico Environ. Eval. Group, Jan. 17, 18, 10 p.

"Geological data", in Basic data report for Drillhole WIPP 15, Sandia Laboratories, 22 ms pages, (in press).

Co-author: S. J. Anderson

"Progress of salt dissolution in the Delaware Basin, Texas and New Mexico", in Wells, S. G., and Lambert, P. W., (Eds.), Symposium on Environmental Geology and Hydrology in New Mexico, New Mexico Geological Society, Special Publ. No. 8 (in press).

"Petrography of Mt. St. Helens tephra collected in Merrill Lake, Washington bytime-calibrated automated sediment trap", U.S. Geological Survey, Open-file report, 41 ms pages (in press).

Co-authors: E. B. Nuhfer, and G. W. Powell

"Meromictic lakes of North America", U. S. Geological Survey, Open-file Report, 27 ms pages (in press).

Coauthors D. Love, W. E. Dean, J. P. Bradbury

"A long geoclimatic record from the Permian", Jour. Geophys. Research, 33 ms pages, (in review).

Douglas G. Brookins

"Geochronologic Investigations in Central Connecticut: 1. Pre-Triassic Basement Rocks", Conn. Geol. Nat. His. Survey Rpt. Inv.: Geochron Contr. 11., (1980) p. 21-36.

"New K-Ar Dates for Pegmatites and Host Rocks, Portland, Connecticut", Conn. Geol. Nat. His. Survey Rpt. Inv., ibid., (1980) p. 37-40.
Armstrong, R. L.

"Clay Minerals Suitable for Overpack in Waste Repositories: Evidence from Uranium Deposits", in Sym. on Scientific Basis for Nuclear Waste Management; Vol. 11., (1980) p. 427-436.

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"Precambrian Metallic Mineralization in New Mexico," New Mexico Geology, (in press).

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Coauthors: J. R. Connolly*, K. M. Emanuel*, and K. Keil.

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5. OTHER RESEARCH PROJECTS OR CREATIVE WORK IN PROGRESS

Roger Y. Anderson

"Measurement of the effect of Mt. St. Helens tephra on lakes using automated sediment traps", National Science Foundation.

6 months, \$10,745

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1 year (completed), \$36,000

2-Oceanographic research cruises, U. S. Geological Survey, 2 weeks.

"Paleoclimate Program: Research on Meromictic Lakes in North America, field studies", U. S. Geological Survey.

Douglas G. Brookins

Sponsored Research

UNM-Research Allocations Committee: "Radiometric Age Determinations on Uranophane: Application to U(VI) Mineral Stability" (Nov. 1980-June 1981).

Continued studies of the Oklo Natural Reactor (through U. S. D. O. E. funding of the Los Alamos Scientific Laboratory).

Un-sponsored Research

Study of the Florida Mountains, NM, and extent of Paleozoic Plutonism in New Mexico (Proposal submitted to NSF)

Study of Rb-Sr systematics of Hot Dry Rock Geothermal Program Drill Core (Los Alamos Scientific Laboratory, G Div.), three manuscripts in preparation.

Study of hydrothermal quartz-carbonate-fluoride mineralization in Mineral County, Montana, paper in preparation with USGS, Washington State, and Anaconda-ARCO co-authors.

Geochronologic-stratigraphic studies in Maine; two papers in preparation with USGS co-authors; one paper in preparation with personnel of University.

Geochronologic studies in Connecticut and Massachusetts; two papers, one submitted and one in preparation; with USGS co-authors.

Geochronologic study of Precambrian basement rocks in NM; with students (UNM) and faculty (UNM, NMIMT)

Geochronologic-clay mineralogic study of the Morrison Formation and associated uranium deposits; with UNM students.

Uranium geochemistry; five papers in preparation.

Rare earth element and other trace element studies; three papers in preparation.

Chapter in introductory geology text submitted; 1981 publication (C. E. Merrill Pub. Co.).

Research Grants and Contracts (in effect for part or all of 1980)

"Geochemical Studies of the WIPP site", Sandia Laboratories.

Oct. 1, 1979-Sept. 30, 1980, \$37,000

"Criticality Studies of Radwaste Canisters in Evaporites", Sandia Laboratories.

Feb. 1979-Dec. 1980, \$52,000

"Geochemical Studies on Natural Analogs for Radioactive Waste Disposal", Nuclear Regulatory Commission (Prime Contract to Lawrence Berkeley Laboratories), \$4,400

"Particle Size Distribution of Sediments", Los Alamos Scientific Laboratories

April 1, 1980-June 30, 1980, \$6,000

"Strontium 87/86 Tracer Studies of Biologic Canopies", National Science Foundation, (J. Gosz, Biology, PI).

Sept. 1979-Dec. 31, 1980, \$57,000

"Geochemical Study of Uranium Mill Tailings", Sandia Laboratories.

Oct. 15, 1980-Sept. 30, 1981, \$34,500

"Poisoned Land and Inland Sea Study", Lawrence Livermore Laboratories.

Oct. 15, 1980-Sept. 30, 1981, \$20,000

"Geochemical Study of East Chaco Canyon Project", U.S.D.O.E.--Bendix Field Engineering Corporation.

Oct. 1, 1978-Sept. 30, 1980, \$69,000

Jonathan F. Callender

Sponsored Research

Evaluation of the geothermal resource in the Albuquerque, New Mexico area: N. M. Energy and Minerals Dept., #78-2135.

7/30/78-3/30/80, \$76,874

Structural Petrology, Metamorphism and Tectonic History of
Precambrian Rocks in the Picuris Range, New Mexico: National
Science Foundation.

3/1/81-2/28/84, \$84,083

Unsponsored Research

Precambrian Structural evolution of northern New Mexico.

Papers in Preparation

"Structural analysis and stratigraphic problems of Precambrian
rocks of the Picuris Range, New Mexico", Bulletin of
Geological Society of America, in review.

Coauthor: R. J. Holcombe

"Structural analysis of a Precambrian 'unconformity' in the
Manzano Mountains, New Mexico", in preparation.

Coauthor: R. J. Holcombe

"World Rifts, their similarities and differences", in preparation.

Coauthor: J. H. Illies

Books in preparation

Structural Geology, 4th Edition (New Jersey: Prentice Hall)

Coauthor: M. P. Billings

Editor, The Tectonics of Continental Rifts (New York: Elsevier
Publishing Co.)

Coeditor: J. H. Illies

Wolfgang E. Elston

Sponsored Research

"Application of volcanology to lunar and planetary geology," NASA
Grant NGR 32-004-062, Supplement 15.

May 1, 1980 - April 30, 1981, \$26,983

"Cenozoic volcanism and extensional orogeny in the New Mexico segment of the Basin and Range Province," NSF Grant EAR 80-07836.

Sept. 1, 1980 - Aug. 31, 1982, \$86,000

"Assessment of geothermal potential of southwestern New Mexico", New Mexico Energy and Mineral Dept. Grant 68R-2102.

Expiration date extended from Dec. 31, 1980 to Dec. 31 1981 (no additional funds)

Papers in Preparation

"Geology of the Lightning Dock KGRA and Surrounding Region, Pyramid Mountains and Animas Valley, New Mexico", New Mexico Bureau of Mines and Mineral Resources Circular 177.

Coauthors: E. G. Deal, M. Logsdon*

"Assessment of Geothermal Potential of Southwestern New Mexico", NM Energy and Minerals Department Technical Report 78-2123.

"Tertiary Volcanic Centers: Limits to Oil and Gas Potential of the Pedregosa Basin and Other Parts of the Basin and Range Province", Oil and Gas Journal.

Rodney C. Ewing

Sponsored Research

"Geologic Materials: Implications for Radioactive Waste Disposal", Battelle PNL.

Oct. 1, 1979 - Sept. 30, 1980, \$60,000

"Geologic Materials: Implications for Radioactive Waste Disposal", Battelle PNL.

Oct. 1, 1980 - Sept. 31, 1981, \$40,000

4-637
"Radiation Damage in Crystalline Materials", Sandia Laboratories

July 1, 1980 - Sept. 30, 1980, \$9,200

"Radiation Damage in Crystalline Materials", Sandia Laboratories

October 1, 1980 - Sept. 30, 1981, \$20,500

Un-sponsored Research

Studies on the genesis of pegmatites, particularly the Harding Pegmatite and those of the Petaca District, New Mexico.

Crystallography and crystal chemistry of Nb-Ta-Ti oxides, particularly alteration effects of metamict varieties.

Crystal structure of iimoriite - a complex silicate, carbonate.

Leachability of thorite and zircon as a function of radiation damage and implications for the long-term stability of crystalline radioactive waste forms.

Papers in Preparation

"The crystal structure of iimoriite - $(Y, REE)_2SiO_4CO_3$ " for The American Mineralogist.

"Radiation Damage in Crystalline Materials: A Summary" for the Proceedings of the Workshop on Alternate Nuclear Waste Forms and Interactions in Geologic Media, Gatlinburg, Tennessee, May 13-15, 1980.

"Radiation Damage in Crystalline Materials: A Summary" for the Proceedings of the annual meeting of the American Physical Society, Phoenix, Arizona, March 13-20, 1981.

"The Harding Pegmatite: A Summary of Recent Research" abst. for the Proceedings of the Fourth Biennial Mineralogical Society of America - Friends of Mineralogy Symposium on Pegmatite Minerals, Tucson, Arizona, February 13-16, 1981.

"Rare Earth, Y, U, Th, Zr and Hf Minerals in Granitic Pegmatites"
 an invited chapter for the Mineralogical Association of Canada
 Handbook on Granitic Pegmatites in Science and Industry.

Jeffrey A. Grambling

Sponsored Research

"Iron-magnesium partitioning between staurolite and chloritoid in
 metamorphic rocks," Sandia Laboratories.

Oct. 1, 1980 - Sept. 30, 1981, \$20,000

"Precambrian geology of the Rio Mora area, New Mexico," New
 Mexico Bureau of Mines and Mineral Resources.

June 1, 1980 - Sept. 1, 1980, \$4,550

Unsponsored Research

"Stability of kyanite, andalusite and sillimanite as deduced from
 natural mineral assemblages"

"Hourglass textures in staurolite and biotite: implications for sector
 zoning and diffusion rates in silicates"

"Mass transfer across a quartzite-schist contact during meta-
 morphism".

Papers in Preparation

"Stratigraphic and structural history of multiply-deformed
 Precambrian metamorphic rocks in the Rio Mora area, New
 Mexico," for Geological Society of America Bulletin (Coauthor:
 D. B. Coddington*).

"Reversals in partitioning of Fe and Mg between coexisting
 staurolite and chloritoid," for Contributions to Mineralogy
 and Petrology

"Origin of oscillatory zoning and birefringence in calc-silicate garnets," for The American Mineralogist

Coauthor: P. Maggiore*

Stephen P. Huestis

Sponsored Research

"Best Bounds in Subsurface Temperature Distributions from Heat Flow Observations", Sandia Laboratories Contract 42-7948, Task 2
9/79-11/80, \$20,000

Final Report submitted.

Los Alamos Scientific Laboratory - support of dissertation research of Mark E. Ander.

Un-sponsored Research

Inversion of heat flow data for the case of variable thermal conductivity.

Convex constraints in linear inference problems

Papers in preparation

"Geologic and geophysical investigations of the Zuni volcanic field, New Mexico," Los Alamos Scientific Laboratory Report.

Coauthors: M. E. Ander, G. Heiken, J. Eichelberger, A. W. Laughlin.

"A Geometric Interpretation of Ideal Body Problems"

Raymond V. Ingersoll

Papers in Preparation

"Initiation and evolution of the Great Valley forearc basin of northern and central California, USA," in London Geological Society Special Publication (1981), in press.

- "Great Valley Group (sequence), Sacramento Valley, California,"
Society of Economic Paleontologists and Mineralogists Annual Meeting Guidebook (1981), in prep.
Coauthor: W. R. Dickinson
- "Late Mesozoic arc-trench system of northern California," American Association of Petroleum Geologists Annual Meeting Guidebook (1981), in prep.
Coauthors: S. A. Graham, J. B. Jacobson, J. R. Kleist and R. A. Schweickert
- "Canas Gypsum Member of the Permian Yeso Formation," New Mexico Geology, Vol. 3 (1981), in prep.
Coauthor: J. C. Hunter*
- "Provenance of Franciscan graywackes in coastal California,"
Geological Society of America Bulletin, Vol. 92 (1981), in prep.
Coauthors: W. R. Dickinson, D. S. Cowan, K. P. Helmold and C. A. Suczek.
- "Geology of the Espinazo Formation (Oligocene), north-central New Mexico," Geological Society of America Bulletin, Vol. 92 (1981), in prep.
Coauthors: P. F. Kautz*, W. S. Baldrige, P. E. Damon and M. Shafiquallah
- "Stratigraphy, sedimentary petrology and basin evolution of the Abiquiu Formation (Oligo-Miocene), north-central New Mexico,"
Geological Society of America Bulletin, Vol. 92 (1981), in prep.
Coauthor: M. E. Vazzana*

"Petrofacies and provenance of the Great Valley Group, northern and central California," Geological Society of America Bulletin, Vol. 92 (1981), in prep.

"The Great Valley Group (new nomenclature), northern and central California," American Association of Petroleum Geologists Bulletin, in prep.

Coauthors: E. I. Rich and W. R. Dickinson

"Recognition of the shelf-slope boundary in the ancient record," Society of Economic Paleontologists and Mineralogists Special Publication, in prep.

Coauthor: S. A. Graham

Sponsored Research

"Sandstone petrofacies and provenance of the Santa Fe Group and tectonic evolution of the Rio Grande rift, New Mexico," American Chemical Society, Petroleum Research Fund.

June 1, 1978 - August 31, 1981, \$10,000

"Petrology and provenance of Neogene sand from the Indus fan, Indian Ocean (DSDP Leg 23)," Research Allocations Committee, UNM.

October 15, 1979 - June 15, 1980, \$ 725

"Travel support to attend 26th International Geological Congress, Paris, France," American Geological Institute.

June 21, 1980 - July 18, 1980, \$620

"Summer support for students working on sedimentologic—petrologic-tectonic problems within the Espanola basin, New Mexico," New Mexico Bureau of Mines and Mineral Resources

May 15 1980 - August 15 1980, \$2,400

"Petrology and provenance of selected sandstones of the Flysch and Molasse of the Swiss Alps," Research Allocations Committee, UNM.

October 15, 1980 - June 15, 1981, \$570

Klaus Keil

The following research grants and contracts were in effect during the report period for which I am the principal Investigator.

1. "Mineralogy, petrology and chemistry of brecciated stone meteorites". NASA Headquarters, Washington, D. C.
Mar. 1, 1977 - Feb. 28, 1980, \$153,380
2. "Mineralogy, petrology and chemistry of breccias, mare basalts and cores". NASA L. B. Johnson Space Center, Houston Texas.
Feb. 1, 1977 - Jan. 31, 1980, \$185,548
3. "Mineralogy, petrology and chemistry of breccias, mare basalts and cores". NASA L. B. Johnson Space Center, Houston, Texas.
Feb. 1, 1978 - Jan. 31, 1981, \$180,996
4. "The formation and evolution of stony meteorites". NASA Headquarters, Washington, D. C.
Mar. 1, 1978 - Feb. 28, 1981, \$145,597
5. "The formation and evolution of stony meteorites". NASA Headquarters, Washington, D. C.
Mar. 1, 1979 - Feb. 28, 1981, \$102,390
6. "Chemical weathering on Mars: Theoretical and terrestrial analog studies of possible processes and products". NASA Headquarters, Washington, D. C.
Mar. 1, 1979 - Feb. 28, 1981, \$100,839

7. "Origin and evolution of lunar crust, mare basalts and regolith". NASA L. B. Johnson Space Center.
Feb. 1, 1979 - Feb. 28, 1981, \$121,995
8. Supplement to item 8, \$2,500
9. "Shale and tuff in Nevada: Potential for nuclear waste disposal".
Sandia Laboratories, Albuquerque, N. M.
Dec. 1, 1979 - Sept. 30, 1981, \$26,624
10. "The formation and evolution of stone meteorite parent bodies".
NASA Headquarters, Washington, D. C.
Mar. 1, 1980 - Feb. 28, 1981, \$85,741
11. "Origin and evolution of the lunar crust and mare basalts".
NASA L. B. Johnson Space Center, Houston, Texas.
Feb. 1, 1980 - Jan. 31, 1981, \$ 99,910
12. "Chemical weathering on Mars: Theoretical and terrestrial analog studies of possible processes and products". NASA Headquarters, Washington, D. C.
Oct. 1, 1980 - Feb. 28, 1981, \$47,778
13. "Study of tuff, Nevada Test Site". Sandia Laboratories, Albuquerque, N. M.
Oct. 1, 1980 - Sept. 30, 1981, \$20,058
14. Supplement to item 13, \$9,856

Total grants and contracts in effect during this report period

\$1,283,207

Albert M. Kudo

Sponsored Research

Wrote proposal to National Science Foundation entitled
"Petrochemical study of the intrusive rocks of the Absaroka

volcnaic field, northwestern Wyoming" for \$184,338. Waiting to hear from NSF in January or February 1981.

Wrote final report on grant to NMERB and DOE.

"Evaluational Geothermal Potential of the T or C, N. M. area".

Research on Deep Sea Drilling Project Cores, Organized Research.

July 1979 - June 1980, \$1,500

Un-sponsored Research

Paper on Absaroka volcanics (in preparation).

Barry S. Kues

Sponsored Research

"Compilation of New Mexico Paleontology Information"; Museum of New Mexico, S. A. Northrop, co-investigator

Open duration \$5,000

Un-sponsored Research

"Amphiscapha oketoensis, a new gastropod from the Oketo Member, Barneston Limestone (Early Permian) of Kansas"

"The paleoecology of the Oketo Member, Barneston Limestone (Early Permian) of Kansas and Nebraska"

"A new bryozoan encrusting a dinosaur skull fragment from the Fruitland Formation (Upper Cretaceous) of northwestern New Mexico"

""The evolution of a natural history museum for New Mexico"

Coauthors: T. Rowe & R. Cifelli

"Taxonomy and paleoecology of middle Pennsylvanian gastropods from the Taos area, New Mexico"

"Gastropods from the Red Tanks Member, Madera Formation (Late Pennsylvanian-Early Permian), of cenetral New Mexico"

Books in Preparation

"Catalogue and bibliography of New Mexico paleontology"

Coauthor: S. A. Northrop

Stuart A. Northrop

In preparation with Barry S. Kues: Catalogue and bibliography of
New Mexico Paleontology.

Stephen G. Wells

Sponsored Research

"Geomorphic Processes and Land Reclamation in Watersheds of the
Strippable Coal Belts, San Juan Basin, New Mexico", New
Mexico Energy and Minerals Department/Pittsburg and Midway
Coal Company

1980 - 1981, \$95,000

"Geomorphic Criteria for Selecting Stable Uranium Tailings Disposal
areas", New Mexico Energy and Minerals Department

1981 - 1982, \$4,917

Unsponsored Research

Quaternary geology in Southern Basin and Range Province

Geomorphology and hydrology of Gypsum Plain, Eddy Co., New
Mexico

Quaternary geology and geomorphology of the southeastern Colorado
Plateau

Neotectonism and geomorphology of the Taos Plateau and the
Engle-Palomas basins constriction

Papers in Preparation

"Some Factors Influencing Pedogenic Calcrete Formation on
Non-carbonate Parent Material" to be submitted to GEOLOGY.

Co-author: J. D. Schultz*

"Geomorphology of the Chaco Dune Field, Northwestern New Mexico",
to be submitted to Geological Society of America Bulletin.

Co-author: J. D. Schultz*

Lee A. Woodward

Completed research on overthrust belt in Montana, Wyoming, Utah
and New Mexico. Reports are now in press on this topic.

Crayton J. Yapp

Papers in Preparation

"Temporal and Spatial Climatic Significance of D/H Ratios in Tree
Cellulose C-H Hydrogen"

"A Transport Model for Some of the Controls of Stable Isotope
Variation in Precipitation"

Sponsored Research

"Investigation of the Stable Isotope Hydrology of the Upper Rio
Grande Drainage Basin" SURP

Oct. 1, 1980 - Sept. 30, 1981, \$24,800

6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

Douglas G. Brookins

"Geochronologic Evidence for Paleozoic Plutonic Activity in the Florida Mountains, New Mexico", Ann. Mtg. AAPG, Denver, June, 1980.

"Rb-Sr Dating of Diagenesis-Epigenesis in Mesozoic Rocks, San Juan Basin, New Mexico", ibid.

"Geochemistry of Clay Minerals for Uranium Exploration in the Grants Mineral Belt, New Mexico", Ann. Mtg. Soc. Min. Enggrs. Las Vegas Feb. 1980.

"Primary Uranophane from the Grants Mineral Belt, New Mexico", Ann. Mtg. SW Sec. Amer. Assoc. Adv. Sci., Las Vegas, April 1980.

"Near-Field Reactions in Evaporites Considered for Waste Repositories", ibid.

"Oklo and Radioactive Waste an Update", ibid.

"Geochemistry of the Dakota Formation of Northwestern New Mexico" Relevance to Radioactive Waste Studies", Ann Mtg. Amer. Chem. Soc. Aug. 1980, Las Vegas.

"Alkali and Alkaline Earth Element Studies at Oklo", 3d Inter. Sym. on Nuclear Waste Mngmt., Boston. Nov. 1980.

"Geochemical Study of a Lamprophyre Dike near the WIPP Site", ibid.

Jonathan F. Callender

Technical Editor, Geotectonics, American Geophysical Union

Managing Editor, New Mexico Geological Society

Secretary, UNM Chapter Sigma Xi

Field Trip Chairman, AAPG Rocky Mountain Section

Project Correspondent, U. S. Geodynamics Committee

For Professional papers read, see item 7 below.

Wolfgang E. Elston

Attended NASA Planetary Geology Principal Investigators Conference,

Tempe, Arizona, Jan. 14-17, 1980. Read paper "Are Calc-alkalic Volcanic Rocks Unique to Earth?"

Attended Annual Meeting, Southwest Section, American Association of

Petroleum Geologists, El Paso, Texas, Feb. 25-26, 1980. Read

paper "Tertiary Volcanic Centers as Constraints on Oil and Gas

Potential of the Basin and Range Province: The New Mexico

Segment of the Basin and Range Province". Coauthored paper

on "Distribution of Uranium in Mid-Tertiary Volcanic Rocks,

Mogollon-Datil Volcanic Field, New Mexico", read by T. J.

Bornhorst*. Attended field trips to Trans-Pecos Texas,

February 22-24, and Chihuahua, Mexico, February 26-29, 1980.

Speaker, Albuquerque Geological Society, March 4, 1980,

"Mid-Tertiary Volcanic Rocks of Southwestern New Mexico and their Economic Resources".

Invited Participant, Geological Society of America Penrose

Conference on "Silic Volcanism: Ash-Flow Tuffs, Calderas, and

Associated Hydrothermal Systems," Pagosa Springs and Lake

City, Colorado, September 27, to October 4, 1980. Chaired

session on cauldron structures, Sept. 29, Presented paper on

"Siliceous Volcanism in Southwestern New Mexico and Queensland, Australia."

Invited Participant, U. S. Geological Survey Conference on "Tectonic Framework of the Mohave and Sonoran Deserts," Menlo Park, California Nov. 4-6, 1980. Read paper on "Mid-Tertiary Volcanism in Southwestern Australia."

Speaker, Albuquerque Geological Society, "Volcanism and Geothermal Energy of the Taupo Zone, New Zealand," Dec. 2, 1980.

Rodney C. Ewing

"Radioactive Waste Forms: The Use of Natural Analogues to Predict Their Long-Term Staility" invited presentation at UNM Sigma XI lecture series, February 14.

"Radiation Damage in Natural Materials: Implications for Radioactive Waste Forms" invited presentation at Workshop on Alternative Nuclear Waste Forms and Interactions in Geologic Media sponsored by Oak Ridge National Laboratory and the Division of Materials Sciences, USDOE, Gatlinburg, Tennessee, May 13-15.

"Radioactive Waste Form — Rock Interactions" invited presentation at the Hahn-Meitner Institute, Berlin, West Germany, June 16, 1980.

"Metamict Minerals: Microlite, The Harding Pegmatite, Taos County, New Mexico", Second Annual New Mexico Minerals Symposium. Socorro, N. Mex., October 25.

"Natural Analogues for Crystalline Radioactive Waste Forms, Part II: Non-Actinide Phases" at Third International Symposium on the Scientific Basis for Nuclear Waste Management of the Materials Research Society, Boston, November 19.

"Nuclear Waste Glasses and Volcanic Glasses: A Comparison of Their Stabilities" at the Third International Symposium on the Scientific Basis for Nuclear Waste Management of the Materials Research Society, Boston, November 19.

Professional Organizations

Vice-President, New Mexico Geological Society

Associate Editor, The American Mineralogist

Attendance at Meetings of Professional Societies

Invited participant of EID, State of New Mexico, Review Panel for WIPP, January 17-18, 1980, Albuquerque, NM.

Invited participant in DOE Basic Energy Sciences and Oak Ridge National Laboratory workshop on Alternate Nuclear Waste Forms and Interactions in Geologic Media, Gatlinburg, Tennessee, May 13-15, 1980.

Invited participant in DOE Materials Characterization Center Workshop on Radiation Damage, Seattle, Washington, August 4-5, 1980.

Participant in International Congress on Glass XII, Albuquerque, New Mexico, July 6-11, 1980.

Participant in Mineralogical Society of America short course on pyroxenes, Emory University, Atlanta, Georgia, November 13-16, 1980.

Participant in the Annual Meeting of the Geological Society of America, Atlanta, Georgia, November 17-22, 1980.

Participant in the Annual Meeting of the Materials Research Society, Boston, Massachusetts, November 17-22, 1980.

Stephen P. Huestis

"The Inverse Problem for Steady-State Conductive Heat Flow," paper presented at the International Conference on Mathematical Problems of the Thermal and Dynamic State of the Earth, Lake Arrowhead, CA, July 28-Aug. 3 1980.

Secretary, Albuquerque Geological Society. New Membership-John Muir Geophysical Society.

Raymond V. Ingersoll

Attended Rocky Mountain Section, Geological Society of America annual meeting, Ogden, Utah.

Read professional paper at Geological Society of America, Rocky Mountain section annual meeting, Ogden, Utah.

Attended annual meeting of the AAPG-SEPM, Denver, Colorado.

Read invited professional paper at AAPG-SEPM annual meeting, Denver, Colorado.

Invited speaker, London Geological Society conference on trench and forearc sedimentation and tectonics, London, England.

Attended fieldtrip (International Geological Congress) to flysch and molasse of the Swiss Alps.

Attended 26th International Geological Congress, Paris, France.

Attended fieldtrip (International Geological Congress) to southern Rhine Graben and Vosges, France.

Read professional paper at 26th International Geological Congress, Paris, France.

Attended 31st annual fieldtrip of the New Mexico Geological Society, Trans Pecos, Texas.

Attended annual meeting of the Geological Society of America,
Atlanta, Georgia.

Read professional paper at Geological Society of America annual
meeting, Atlanta, Georgia.

Attended fieldtrip (Geological Society of America) to southern
Appalachians, Alabama.

Attended workshop on Rio Grande rift, sponsored by the Lunar and
Planetary Institute, Clear Lake City, Texas.

Member, New Mexico Geological Society Scholarship Committee.

Klaus Keil

5.1 Offices

Member, Nominations Committee, Mineralogical Society of America
Chairman, Session on "Parent bodies of enstatite meteorites", 43rd
Annual Meeting, Meteoritical Society, La Jolla, California.

Chairman, Session on "Antarctic Meteorites, Lunar and Planetary
Science Conference, Houston, Texas.

Member, Program Committee, Lunar and Planetary Science
Conference, Houston, Texas.

6.2 Meetings attended and professional papers read or co-authored

During this report period, I attended twelve (12) professional
meetings (listed under item 2 of this report), presented six (6)
professional papers (listed under Professional Papers Read of this
report) and coauthored fourteen (14) professional papers (listed as
Nos. 5, 6, 7, 8, 9, 15 and 16 of item 4, Articles in major national
and inter national journals and Nos. 24, 25, 26, 27, 28, 30 and 31
of item 4, Abstracts of this report). To save space, these entries
are not duplicated here.

Albert M. Kudo

Presented results of mineral chemistry study of DSDP cores at meeting of Leg 65 scientists, DSDP, Scripps Institution of Oceanography, La Jolla, CA.

Attended and presented two papers at Annual Meeting of the American Geophysical Union, Dec. 8-13, San Francisco, CA:
 "Mineral Chemistry and chemical modelling of basalts from Holes 483, 483B, 485A, DSDP Leg 65, East Pacific Rise, Gulf of California.

"Differentiation of a shoshonitic magma, Crandall intrusive, Absaroka volcanic field, northwestern Wyoming.

Barry S. Kues

Poster Session presentation, "Fossils of New Mexico and a New Mexico state natural history museum", Annual Meeting, Society of Vertebrate Paleontology, Gainesville, Florida, Nov., 1980
 (with T. Rowe & R. Cifelli)

Stephen G. WellsPapers Presented

"Quaternary Sedimentation and Geomorphic Evolution of Basin and Range Piedmonts, Southwestern Arizona" invited presentation at the U. S. Geological Survey Guest Lecture Program, Menlo Park, CA, March 14.

"Desert Fluvial Systems and Alluvial Fan Evolution" presented at the CODAZR Symposium, Rocky Mountain Sect.-AAAS, Las Vegas, NV, April 10.

Abstracts in Print

"Quaternary Landscape Evolution in the Southeastern Colorado Plateau," Cordilleran Sectional Meeting of the Geological Society of America, Hermosillo, Mexico (1981).

Coauthors: L. N. Smith*, T. F. Bullard*, and J. D. Schultz*

"Geomorphology of the chaco Dune Field, Northwestern New Mexico,"

Cordilleran Sectional Meeting of the Geological Society of New Mexico, Hermosillo, Mexico (1981).

Co-author: J. D. Schultz*

Meetings Attended

Annual Meeting of Geological Society of America, Atlanta, GA, Nov.;
post-meeting fieldtrip to Piedmont geomorphology.

Sectional Meeting of Geological Society of America, Humosillo,
Mexico; April, 81; present paper

Rocky Mountain Sectional Meeting of America Association of
Petroleum Geologists, Albuquerque, NM; April, '81; present
paper

Editorship

New Mexico Geological Society - Special Publication #10, 152 p.,
co-editor: P. W. Lambert

Committee on Desert and Arid Zones Research - Symposium
Proceedings #20.

Lee A. Woodward

Attended Southwest Section meeting of American Association of
Petroleum Geologists in El Paso, Feb. 25-27, and presented
invited paper.

Program Chairman for Rocky Mountain Section AAPG meeting
scheduled for April 12-15, 1981.

Member of Membership Committee of Geological Society of America;
attended meetings in Boulder, Colorado in April and September.

Presented invited paper on Overthrust Belt to Rocky Mountain Assoc.
of Geologists in Denver on Sept. 26.

Associate Editor of Geol. Soc. America Bulletin.

Presented invited paper on Overthrust Belt to Dallas Geological
Society, Nov. 11, 1980.

7. OTHER PROFESSIONAL ACTIVITIES

Roger Y. Anderson:

Panel Member, speaker; Geotechnical Considerations for Radiological Hazard Assessment of WIPP; N.M. EEG, Albuquerque, Jan. 17, 18 (Environ. Eval. Group).

Field Trip Leader; WIPP Site and Vicinity Geological Field Trip, Carlsbad, N.M., June 16-18, New Mexico Environ. Eval. Group, Group, EEG.

Reviews of Proposals

NSF, Sedimentological and geochemical analysis of the Tertiary Playa lake complex, Ebro Basin, Northeast Spain, S. J. Birnbaum, April.

Am. Chem. Soc., Environmental reconstruction of a varved sedimentary basin in Canada, M. J. Heaton, April.

NSF, Paleopalynology of the Eureka Sound Formation, Ellesmere and Axel Helberg Islands, Arctic Canada, Sept.

Douglas G. Brookins

Lectures and Presentations

"Geochemistry of the Grants, NM Mineral Belt" (to: Los Alamos Scientific Laboratory, Group G-9, Jan. 1980)

"Eh-pH Diagrams Applied to the Oklo Natural Reactor" Los Alamos Scientific Laboratory, Group CNC-11, Feb. 1980)

Lecture on elementary chemistry to Sandia Preparatory School.

Arranged for tours of Geology and Meteoritics Museums for APS and Manzano Day School.

"Geologic Aspects of Radioactive Waste Disposal" (to: Shriner's Caravan Club, Aug. 1980)

"Relevance of Studies of the Oklo Natural Reactor to Radwaste Disposal" (to: UNM Dept. Chem. Nuc. Engg., May 1980)
Review Panels

U.S.D.O.E. -Low Level Radioactive Waste Management Program
 Review Panel (meetings held in San Mateo, Calif.; Denver, Colo.; Idaho Falls, Idaho)

Battelle Memorial Institute—Seattle: Review Committee on Materials
 Science Subcommittee 5 (Standards)

Battelle Memorial Institute—Hanford; Committee on Secondary
 Mineral Evaluation of BWIP (Basalt Waste Isolation Project)

Review of Research Proposals

National Science Foundation

American Chemical Society

U. S. Dept. of Energy

Reviews of Manuscripts

American Mineralogist

Earth and Planetary Science Letters

Nuclear News

American Association of Petroleum Geologists Bulletin

Geology

Journal of Geology

Materials Research Society; Sym. on Nuclear Waste Management

Consulting (mainly while on Sabbatical)

Sohio Minerals (lectures on geochronology: theory and application to
 dating of clay minerals)

Exxon Research Production Company (clay mineral studies)
 Phillips Minerals Co. (lectures on Grants Mineral Belt)
 Geohydrology Associates (evaluation of mill tailings and water quality)

Travel to Other Institutions

Battelle Memorial Institute--Seattle (October, 1980)
 Battelle Memorial Institute--Richland (July, 1980)
 Lawrence Berkeley Laboratories (May and October, 1980)

Jonathan F. Callender

Lectures and Presentations

Turner Distinguished Lecturer, University of Michigan (2 talks)
 Geology Colloquium, Indiana University (2 talks);
 Geology & Mining Society, Stanford University (2 talks);
 Television lecture, Foundation for Applied Ecology, broadcast on Dutch Public TV;
 Oral presentations to various members of U. S. Congress concerning nuclear waste disposal;
 Instructor, Bureau of Land Management, Natural Resources and Environmental Education Workshop;
 Presentations to Secretary of Health and Environment, State of New Mexico, and City Council, City of Albuquerque;
 Lecture to Albuquerque Museum;
 Field trip for students of University of Oklahoma;
 Television, newspaper, magazine and radio interviews (including Fortune, New York Times, The State (Columbia, S. C.), Albuquerque Journal and Tribune, KUNM, KOB-radio, TV channels 4, 7, 13 in Albuquerque and so forth);

UNM Community College, "Geology of New Mexico"

Review panels

Review of Savannah River Plant for Environmental Policy Institute
(Washington, D. C.)

Reviewer for Geological Society of America, American Geophysical
Union, Elsevier Publishing Co. (Tectonophysics), New Mexico
Bureau of Mines, Prentice-Hall, Inc.

Reviewer for National Science Foundation

Consultant for Albuquerque Museum, Los Alamos Scientific Labs
(Visiting Staff Scientist), Sandia Laboratories, State of New
Mexico (Environmental Improvement Division), California
Energy Commission, Environmental Policy Institute and others.

Travel

Travel to other institutions listed in item 2 above.

Wolfgang E. Elston

Participant in meeting on direct-application geothermal energy with
officials of U. S. Department of Energy and N. M. Energy and
Minerals Department, Santa Fe, Feb. 12, 1980.

Speaker, Albuquerque Science Fiction Society, "Exploration of the
Moon and Planets: Is Truth Stranger than Fiction?" Feb. 15,
1980.

Attended Project Review Meeting for Geothermal Energy, New Mexico
Energy Institute, New Mexico State University, Las Cruces, NM
June 18, 1980. Gave progress report on geothermal research in
southwestern New Mexico.

Consultant to mining companies in New Mexico, Arizona, Alaska, and Nevada.

Reviewed manuscripts for Geological Society of America Bulletin and Geology, Earth and Planetary Science Letters, Geophysical Research Letters.

Reviewed research proposals for National Science Foundation and National Aeronautics and Space Administration.

Invited to participate in NASA-sponsored U. S. Geological Survey Universities team for geologic mapping of the Galilean Satellites of Jupiter and assigned Kane Paterra quadrangle (J1 2b) of Io.

Rodney C. Ewing

Secretary and member of the Board of Directors of the Caswell Silver Foundation

Treasurer and member of the Board of Directors of Energy Exploration Education, Inc.

Member of the Department of Energy's Review Panel for Alternative Radioactive Waste Forms.

Reviewed manuscripts and proposals for the following:

American Mineralogist

Third International Symposium on Scientific Basis for

Nuclear Waste Management

Canadian Mineralogist

Southwest Resource Center for Science & Engineering

Visited the Smithsonian Institution and the American Museum of Natural History to collect specimens for research projects, Sept. 3-6.

Consultant, Department of Energy

Consultant, Sandia Laboratories

Consultant, Battelle PNL

Consultant, Prentice-Hall, Inc.

Consultant, Burgess Press

Jeffrey A. Grambling

"Aluminum silicates in the Truchas Peaks region, New Mexico" and

"Precambrian geology of the southern Sangre de Cristo Mountains," University of Texas at Austin, February, 1980

"Precambrian geology of the southern Sangre de Cristo Mountains,"
Oklahoma State University, April, 1980

"Precambrian geology of the Rio Mora area, north-central New Mexico: refolded isoclinal folds and the nature of the Vadito-Ortega contact", Geological Society of America, Cordilleran Section, Hermosillo, Mexico, March 1981.

Stephen P. Huestis

Papers reviewed for Geophysical Journal of the Royal Astronomical Society, Journal of Geophysical Research, Geophysical Research Letters.

Proposals reviewed for National Science Foundation

Taught geophysics portion (5 sessions) of Sandia Laboratories Fundamentals of Geoscience in hours technical course.

Raymond V. Ingersoll

Talk and visit at the University of Minnesota, Minneapolis

Talk and visit at the University of Washington, Seattle

Talk and visit at the University of Arizona, Tucson

Visited the Massachusetts Institute of Technology, Cambridge

Talk and visit at Harvard University, Cambridge, Massachusetts

Visited the Sorbonne, Paris, France

Visited the Universite de Fribourg, Switzerland

Fieldtrip to tidal flats of Mt. St. Michel, France

Reviewed 2 NSF proposals

Reviewed article for Geology

Reviewed article for Geological Society of America Bulletin

Reviewed article for Earth and Planetary Science Letters

Reviewed 3 articles for London Geological Society

Reviewed article for AAPG Bulletin

Reviewed 2 articles for Journal of Sedimentary Petrology

Reviewed text for Burgess Publishing Co.

Reviewed text for Prentice-Hall

Reviewed text for Freeman and Co.

Consultant for Mobil Oil Corp., Great Valley, California

Consultant for Gulf Oil Corporation, Great Valley, California

Attended organizational meeting of Core group for summary of
Active-Margin drilling program of DSDP/IPOD, Palo Alto,
California

Klaus Keil

Consultant, Sandia Laboratories, Albuquerque, N. M.

Reviewed four (4) lunar sample proposals submitted to NASA for
funding.

Reviewed ten (10) scientific papers submitted for publication to the
American Mineralogist; Earth & Planetary Science Letters;
Geochimica et Cosmochimica Acta; Meteoritics; Science and
Nature.

Several interviews with Lobo, Tribune and Albuquerque Journal regarding space research in the Institute of Meteoritics.

Leader of the consortium study of Lunar Rock 67435 (Pink Spinel Troctolite).

Served as organizer for a session on Antarctic Meteorites to be held at the forthcoming (1980) Lunar and Planetary Science Conference.

Served on Program Committee for the 11th Lunar and Planetary Science Conference, Houston, Texas.

Hosted 21 Club Meeting, Albuquerque, M. M.

Presented talk on "Jupiter and its moons: Results of the Voyager missions", to Dr. J. Callender's 100 class, UNM, March 21, 1980.

Hosted Annual Meeting of the Southwest Prober Users Group, Albuquerque, N. M., April 15, 1980.

Presented talk on "Early history of the solar system: Evidence from the study of meteorites", to Dr. L. A. Woodward's Geology 101 class, UNM, November 11, 1980.

Participated as a member of a 4 man team in the review of the Geology Department and Program, North Carolina State University, Raleigh, N. C., December 2-5, 1980.

Organized Biweekly Brown Bag Seminars, Institute of Meteoritics, UNM.

Hosted and organized visits by the following scientists to UNM, most of which presented seminars:

Mr. Roger Nielsen, Dept. of Geology, University of Texas, Dallas, Texas, Jan. 9-13, 1980.

- Dr. Harry N. Planner, Los Alamos Scientific Laboratory, Los Alamos N. M., Feb. 2, 1980.
- Dr. J. Berkley, Dept. of Planetary Sciences, University of Arizona, Tucson, Arizona, Feb. 22-23, 1980.
- Dr. A. Shoji, Dept. of Material Sciences, Tokyo University, Tokyo, Japan, March 10-12, 1980.
- Dr. James Cook, President, Edison Foundation, Detroit, Michigan, March 13, 1980.
- Dr. J. L. Gooding, Jet Propulsion Laboratory, Pasadena, California, March 14, 1980.
- Dr. A. Binder, Dept. of Mineralogy, University of Munster, Munster, West-Germany, March 14, 1980.
- Prof. Keith Runcorn, Dept. of Physics, University of Newcastle—Upon-Tyne, England, March 24-26, 1980.
- Dr. Charles Fiori, National Institute of Health, Washington, D. C. April, 15, 1980.
- Mr. John Harris, L. B. Johnson Space Center, Houston, Texas, May 12, 1980.
- Dr. Harry N. Planner, Los Alamos Scientific Laboratory, Alamos, N. M., May 17, 1980.
- Dr. R. V. Fodor, Dept. of Geology, North Carolina State University, Raleigh, N. C., May 26 - June 13, 1980.
- Dr. R. Gramende, Elsevier Scientific Publishing Company, Amsterdam, Netherlands, May 28, 1980.
- Dr. Paul Pellas, Museu National d'Histoire Naturelle, Paris, France, Sept. 7-10, 1980.

Dr. Mary Robeson, Carnegie-Mellon University, Chemistry Department, Pittsburg, Pennsylvania, Sept. 10-11, 1980.

Dr. Dieter Stoffler, Institute of Mineralogy, University of Munster, Munster, West-Germany, Sept. 24-27, 1980.

Dr. Lloyd S. Nelson, Sandia National Laboratories, Albuquerque, N. M., Nov. 6, 1980.

Dr. John A. Wood, Smithsonian Astrophysical Observatory, Cambridge, Mass., Nov. 19-21, 1980.

Albert M. Kudo

Reviewed proposal from NSF, Antarctic Research (on orbicular granites).

TV Interviews on Channels 4 and 13 regarding Mt. St. Helens and NM volcanism.

Taught two sessions of Geoscience Course, at Sandia Laboratories.

Gave talk on "Textures in igneous rocks" at Albuquerque Gem and Mineral Society meeting.

Barry S. Kues

Talk on New Mexico fossils to Museum of Albuquerque docents, Jan. 7.

Talk to New Mexico Senate Conservation Committee on New Mexico fossils and function of proposed state natural history museum, Jan. 22.

Testified as an expert witness at a hearing concerning National Indian Youth Council's suit against the U. S. Dept. of Interior, Jan. 28-29.

Talk on Vertebrate Paleontology of New Mexico to Geology Dept. colloquium, Jan. 31.

Taped 3 radio interviews for KOB radio's 'New Mexico Heritage' program, on New Mexico geology and paleontology (interviews broadcast on Feb. 17, 24, & March 2)

Advised New Mexico legislators on Natural History Museum bill being considered, Feb. 13.

Advised Albuquerque Museum on their exhibit of fossils, to be established in June, and the accompanying brochure, Mar. 4.

Talk at awards banquet, Four-Corners Area Expo and Science Fair, Gallup, Mar. 8.

Talk on dinosaurs to Armijo Elementary School class, Mar. 14.

Talk on Sandia Mountains geology and paleontology to YWCA, at their field station in Tijeras Canyon, Apr. 25.

Talk at Geology Dept. public open house, on vertebrate paleontology of New Mexico, May 3.

Testified before Albuquerque City Council on need for a natural history museum, May 12.

Testified on the paleontology of the Bisti area at N. M. Dept. of Energy & Minerals hearing concerning Sunbelt Coal Company's mining lease, June 3.

Reviewed part of manuscript for book, "History of New Mexico" by Marc Simmons, for University of New Mexico Press, August.

Attended Phillips Petroleum Co. Geoscience Faculty Forum, Barlesville, Oklahoma, Sept. 9-11.

Talk on the history of life to Manzano High School honors class, Oct. 16.

Participated in an issues workshop to plan organization of new New Mexico state natural history museum, Oct. 24.

Reviewed book on New Mexico paleontology to be used in New Mexico middle school science classes, November.

Reviewed book, "Red Rock Country", by Donald L. Baars, for University of New Mexico Press, December.

Stuart A. Northrop

Private consultant's report: Catalogue of New Mexico earthquakes of local magnitude greater than or equal to 2.7 with epicenters in, or that were felt in, that part of northeastern New Mexico between latitude 34.5° and 36.5° and longitude 106° and 109° , 62 p. (March, 1980).

Stephen G. Wells

Guest Lecture at Dept. of Geology, San Diego State University

Guest Lecturer at Dept. of Geological Sciences, University of Southern California

Reviewed manuscript: V. C. Kelley, "Gatuna Formation (Late Cenozoic) Pecos Valley, New Mexico and Texas" NMGS Guidebook - Trans-Pecos Region.

Reviewed manuscript: D. H. Vice, "An occurrence of Diatomaceous Earth Cobbles in Holocene Alluvium" for Journal of Sedimentary Petrology

Preparation of report on Geology of North American Deserts requested by the INQUA Commission for the Study of the Holocene, to be a presentation at the 1982 UNESCO meeting on world desertification.

Chairperson at Sedimentology section, Cordilleran Sectional meeting of the Geological Society of America, Hermosillo, Mexico

Symposium arranger and Chairperson at Rocky Mountain section,
American Association of Petroleum Geologists, Albuquerque, New
Mexico.

Consultant, Groundwater Division, Environmental Improvement Div.,
Dept. of Health, New Mexico

Consultant, Radiation Division, Environmental Improvement Div.,
Dept. of Health, New Mexico

Consultant, Office of Contract Archeology, University of New Mexico

Consultant, Fugro International, Engineering firm, Los Angeles, CA

Lee A. Woodward

Reviewed proposals for National Science Foundation

Reviewed papers for Bulletin of Am. Assoc. Petroleum Geologists

Member of Advisory Board for New Mexico Energy Institute at New
Mexico Tech, meeting Dec. 5, Socorro.

Vice-president and director of Energy Exploration Education, Inc.,
a non-profit organization to fund petroleum geology chair at
UNM.

Crayton J. Yapp

Research proposal review for the National Science Foundation

8. NON-TEACHING UNIVERSITY SERVICE

Roger Y. Anderson:

Chairperson, University Committee on Paleoecology

Chairperson, College of A & S Promotion Advisory Committee for
Natural Science and Mathematics

Member, A & S Tenure Committee

Douglas G. Brookins

UNM

Search Committee for Director of UNM Energy Institute

Committee on Nuclear Education, Research and Training

Geology

Supervisor of three Ph.D. candidates, six MS candidates; member of
advisory committees for ten other students.

Distinguished Lecturer Committee, Caswell Silver Foundation.

Jonathan F. Callender

Assistant Chairman, Dept. of Geology

Numerous Departmental Committees

Managing Editor, Dept. of Geology

Undergraduate advisor, Dept. of Geology

BESG/SURP Review Committee

Research Policy Committee

Senior Day & College Enrichment Program

M.S. and Ph.D. thesis advisor and chairman (chair 8 committees
and serve on more than 15 others)

Reader, M. S. Committees, NMIMT

Wolfgang E. Elston

Member, A & S Tenure Advisory Committee

Member, Departmental Admissions Committee

Semester II 1979-80: Committee Chairman for 7 M. S. - 3 Ph.D. -level graduate students; Co-chairman: 1 M. S.- and 1 Ph.D.-level graduate students

Semester I 1980-81: Committee Chairman for 7 M. S. - and 3 Ph.D.-level graduate students; Co-chairman: 1 M. S.- and 1 Ph.D.-level graduate students

Negotiated student exchange agreement with Technische Hochschule, Aachen, West Germany and supervised research of two graduate students from the Technische Hochschule, Aachen.

Faculty advisor, UNM Student Chapter, Society of Mining Engineers of AIME

Participant in telephone campaign for UNM Outreach Program for high school seniors, February 13, 1980. Recipient of UNM Presidential Recognition Award.

Rodney C. Ewing

Served as member of the external review panel for the Department of Chemistry

Department Chairman

Jeffrey A. Grambling

Supervisor, petrographic thin-section laboratory, UNM

Committee on graduate admissions and financial aid, Geology Department

Stephen P. Huestis

Member - College of Arts & Sciences Computer Use Committee

Departmental Committees: Computer Use (Chairman)

Undergraduate Curriculum (Chairman)

Geophysics position replacement

(Chairman)

Petitions.

Advisor - 2 Ph.D. Students

2 M. S. students

Raymond V. Ingersoll

Chairperson, Geology Department, Scholarship Committee

Chairperson, Geology Department, Field-Exam Committee

Chairperson, Geology Department, AAPG-Lecture Series

Member, Geology Department, Graduate-Curriculum Committee

Member, Geology Department, Isotope-Geologist Search Committee

Member, Geology Department, Petrology-Sequence Committee

Member, Geology Department, EEEEC-Professorship Committee

Department host for the following visitors:

Richard Buffler
Kenneth Telleen
Harvey Blatt
Amos Salvador
Stephan Graham

Member, 15 thesis and dissertation committees

Chairperson, 5 thesis committees

Graduate and undergraduate adviser

Klaus Keil

Administration of Institute of Meteoritics and its collections.

Chairman and member of several thesis and dissertation committees

in the Department of Geology.

Served on UNM - University of Sao Paulo joint research and exchange program committee.

Participated in Parents Day, UNM, Oct. 18, 1980.

Chaired the Examinations Committee and Search Committee for a Stable Isotope geochemists and served on the Graduate Committee Dept. Geology, UNM.

Served on the A & S Search Committee for a new Dean, UNM.

Taped UNM movie on research in Institute of Meteoritics, with emphasis on Mars and cosmochemistry research, Feb. 22, 1980.

Hosted Geochemistry class, Los Alamos Branch, University of New Mexico, Feb. 23, 1980.

Director, Caswell Silver Foundation, Department of Geology, UNM.

Chairman, Promotions Committee for Associate Professors, Department of Geology, UNM.

Albert M. Kudo

Chairman of UNM Science Colloquium Committee

Chairman of Sandia-UNM Colloquium Committee.

Member of University Library Committee

Member of Departmental Scholarship Committee

Member of Departmental Admissions Committee

Barry S. Kues

Wrote 20 page booklet on Department of Geology facilities and programs, for distribution to schools and individuals across the country.

Served as Geology Dept. representative on Faculty Graduate Committee.

Geology Dept. liaison with Zimmerman Library.

Chairman, Geology Dept. Graduate Admissions Committee.

Lee A. Woodward

Chairman of 7 thesis committees, member of numerous others.

Cravton J. Yapp

Various departmental committees - Computer Use Committee, Caswell

Silver Professorship Committee

9. PUBLIC SERVICE

Roger Y. Anderson

Lecture, January, Unitarian Church, Laguna Beach, CA, Disposal
of Radioactive Waste.

Douglas G. Brookins

Board of Trustees, Congregation Albert

Religious School Chairman, Congregation Albert

Jonathan F. Callender

Many items in item 7 above are public service, in addition:

Lecturers to Sierra Club (2)

Albuquerque Gem & Mineral Club

Los Lunas and Albuquerque Public Schools (5)

New Mexico area chairman, Caltech Alumni Fund

Various informal presentations.

Wolfgang E. Elston

Member, Advisory Board, Explorer Post 296, Boy Scouts of America

Advised public on mineral and energy resources, regional geology.

Klaus Keil

Many private showings of moon rocks to interested citizens, school
classes, civic groups, ect., many of which were after working
hours and on weekends.

Many private showings of the meteorite museum to interested
citizens, school classes, civic groups, etc., many of which
were after working hours and on weekends.

Investigated without charge many rocks suspected to be meteorites and brought to the Institute by citizens.

Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Career Enrichment Center, Astronomy Class, Albuquerque, N. M., Jan. 3, 1980.

Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Boy Scouts, Albuquerque, N. M., Feb. 5, 1980.

Hosted visit of Astronomy 101 class from New Mexico Institute of Mining and Technology, Socorro, N. M., Feb. 13, 1980.

Presented talk on "Jupiter and its moons: Results of the Voyager Missions", at the Albuquerque Museum, Albuquerque, N. M., Feb. 14, 1980.

Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Career Enrichment Center, Albuquerque, N. M., May 6, 1980.

Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Breakfast Club, Albuquerque, N. M., May 16, 1980.

Presented talk on "Jupiter and its moons: The U. S. Voyager Program" to Career Enrichment Center, Albuquerque, N. M., Nov. 6, 1980.

Presented talk on "Geology of Mars: Results of the Viking Missions", Albuquerque Astronomers, Albuquerque, N. M., December, 12, 1980.

Hosted Saturday Science Academy at Institute of Meteoritics, UNM, December, 13, 1980.

Albert M. Kudo

P. T. A. Grant Middle School, Spring 1980.

Barry S. Kues

Named by New Mexico Governor King to New Mexico state natural
history museum Program Advisory Committee

New Mexico Life History Program Advisory Committee

Selection Committee for Director of New Mexico state natural history
museum

Secretary, Natural History Resources Management, Inc., a nonprofit
corporation to promote study of New Mexico natural resources.

Museum of Albuquerque Special Events Planning Committee.

Stuart A. Northrop

Identified fossils, minerals, and rocks and furnished information on
geology, old mines, and New Mexico earthquakes.

10. PERSONAL INFORMATION

Crayton J. Yapp

One son, Clifford, born August 28, 1980

APPENDIX I: GRADUATES FOR 1980-1981

The following students completed degrees during the report period.

B.A.

None

B.S.

Jay Paul Abramson
John Lawton Appel
Michael Warren Conrey
Russell Reed Ives
Fast Harry Kraig
Mary Lou Leonard
Mildred Marie Johnston McMullen
John Andrew Musgrave
Edward Orbock
Larry A. Pinkston
Sandra Kay Raeuchle
William C. Schaab
Joseph Leroy Schutz
Elizabeth H. Southwell
John David Tanberg
Ronald Lynn Wheeler

M.S.

Steven Edward Barker, "Mineral Chemistry and Crystallization
history of basalts from holes 483, 483B, and 845A, DSDP
Leg 65, East Pacific Rise, Gulf of California"
Shell Oil, Houston.

Stephen K. Farris, "Geology and Mid-Tertiary Volcanism of Part
of the Black Range Primitive Area of the Gila National Forest,
Southwestern New Mexico"
Shell Oil, Houston.

Michael T. Gerety, "Bipole-Dipole Electrical Technique Applied
to Geothermal Exploration in New Mexico"
Exxon, Houston.

Randal Thackery Hicks, "Diagenesis of the Westwater Canyon Member,
Morrison Formation, East Chaco Canyon Drilling Project, New
Mexico"
New Mexico Environmental Improvement Division, Santa Fe, New Mexico.

Peter John Hutchinson, "Stratigraphy and Paleontology of Bisti Badlands area, San Juan County, New Mexico"
Exxon, Corpus Christi, Texas.

David Pierce Jones, "Volcanic Geology of the Alegros Mountain Area, Catron County, New Mexico"
Freeport Exploration, Denver.

Terri Ann Kasten, "Geology and Metamorphism of Precambrian Rocks in the Placitas Area, Northern Sandia Mountains, Sandoval County, New Mexico"
Phillips Uranium, Albuquerque.

Mark Joseph Logsdon, "Stable Isotope and Aqueous Geochemistry of the Lightning Dock KGRA, Animas Valley, Hidalgo County, New Mexico"
New Mexico Bureau of Mines and Mineral Resources, Socorro.

Robert Randall Merker, "Detailed Study of the Cribbenville Area, Petaca District, New Mexico"
Radian Corp., McLean, Virginia.

Margaret Anne Merrick, "Geology of the Eastern Part of the Regina Quadrangle, Sandoval and Rio Arriba Counties, New Mexico"

David Ernest Reiter, "Geology Alamo Hueco and Dog Mountains, Hidalgo County, New Mexico"
Atlantic Richfield Co., New Orleans.

Steven Joseph Ristorcelli, "Geology of the Eastern Smith Lake Ore Trend, McKinley County, New Mexico"
Western Nuclear, Reno.

Jerald David Schultz, "Eolian Geomorphology, Sedimentology, and Quaternary Eolian History of the West-Central San Juan Basin, Northwest New Mexico"
University of Petroleum & Minerals, Saudi Arabia.

Susan J. Wentworth, "Petrology of light-colored loose fragments from Apollo deep drill core"
NASA Johnson Space Center, Houston.

Ph.D.

Mark Ambree Ander, "Geophysical Study of the Crust and Upper Mantle Beneath the Central Rio Grande Rift Adjacent Great Plains and Colorado"
Los Alamos Scientific Laboratory.

David Waxham Love, "Quaternary Geology of Chaco Canyon,
Northwestern New Mexico"
New Mexico Bureau of Mines and Mineral Resources, Socorro.

Richard S. Della Valle, "Geochemical Studies of the Grants
Mineral Belt, New Mexico"
Phillips Petroleum Company, Bartlesville, Oklahoma.

APPENDIX II: CONTRACTS & GRANTS

FY 1980-81

PRINCIPAL INVESTIGATOR	ACCOUNT #	ENDING DATE	AMOUNT
Anderson, Roger Y.	281-917-1XX	06/30/81	\$ 10,745
Brookins, Douglass G.	281-007-1XX	09/30/81	34,651
	281-538-3XX	12/31/80	41,497.35
	281-733-1XX	09/30/80	68,387
	281-773-1XX	12/31/80	52,261
	281-950-1XX	09/30/81	20,345
	283-945-1XX	09/30/81	8,000
	281-012-1XX	11/30/82	99,999
Callender, Jonathan F.	281-014-1XX	08/31/81	84,083
Elston, Wolfgang E.	281-174-3XX	04/30/81	26,983
	281-174-4XX	04/30/82	31,000
	281-710-2XX	12/31/81	26,810
	281-711-1XX	12/31/80	80,094
	281-711-2XX	02/28/83	84,872
	281-830-1XX	12/31/81	36,753
Ewing, Rodney C.	281-614-2XX	09/30/80	60,000
	281-614-3XX	09/30/81	40,000
	281-907-1XX	09/30/80	9,846
	281-907-2XX	09/30/81	20,100
Grambling, Jeffrey	281-954-5XX (Yr.1)	09/30/81	20,000
Huestis, Stephen P.	281-843-2XX (Yr.2)	11/30/80	20,000
Ingersoll, Raymond V.	281-670-1XX	08/31/81	10,000
Jiracek, George R.	281-751-1XX	08/30/80	73,411
	281-839-1XX	07/31/81	64,858
	281-910-1XX	06/14/81	24,339
Keil, Klaus	281-192-9XX	01/31/81	99,910
	281-192-1XX	01/31/82	104,100
	281-206-5XX	02/29/81	85,741
	281-206-6XX	02/28/82	94,249
	281-571-4XX	09/30/80	26,624
	281-571-5XX	09/30/81	29,909
	281-790-1XX	02/28/81	27,230
	281-790-2XX	09/30/81	52,347
	281-790-3XX	09/30/81	30,051
	281-992-1XX	06/30/81	5,913

Page Two [APPENDIX II: CONTRACTS & GRANTS]

PRINCIPAL INVESTIGATOR	ACCOUNT #	ENDING DATE	AMOUNT
Kudo, Albert M.	283-040-3XX	10/30/81	\$ 14,000
Kuas, Barry S.	283-887-1XX	06/30/81	2,000
Walls, Stephen G.	281-017-1XX	04/30/82	52,917
	281-678-2XX	05/31/81	55,279
Yapp, Crayton	281-955-1XX	09/30/81	24,800
Gomez, Gerald G.	281-873-1XX	12/31/80	2,500
	281-873-2XX	06/30/81	<u>2,500</u>
		TOTAL	\$1,759,104.35

APPENDIX III: LECTURE PRESENTATIONS

The following scientists visited the Department of Geology to present lectures and to discuss their research with faculty and students.

1. Dr. Ray Ingersoll, Department of Geology, UNM.
"Flysch and Molasse of Switzerland and the World: Models and Misconceptions."
September 4, 1980.
2. Dr. Paul Pellas, National Center for Scientific Research,
Paris, France.
"Thermal History of Meteorites by ^{244}Pu Fission Track Thermometry."
September 8, 1980.
3. Dr. Art Cohen, Organic Sediments Research Group, University of
South Carolina.
"Depositional Models for Low-sulfur Coal Based on Modern Studies."
September 11, 1980
4. Jim Clark, Sandia Laboratories.
"Global Post-glacial Sea Level Changes and the Reconstruction
of Ice Sheets."
September 18, 1980
5. Dr. Allen V. Heyl, U.S. Geological Survey, Denver.
"Lead-zinc-fluorspar-barite Deposits of the Mississippi Valley
Type."
September 24, 1980
6. Harvey Blatt, University of Oklahoma.
"Determining Distance from Shoreline in Unfossiliferous Marine
Mudrocks."
September 25, 1980
7. Dr. Theodore J. Bornhorst, Michigan Technological University.
"Geochemistry and Petrogenesis of Tertiary Volcanic Rocks,
Mogollon-Datil Volcanic Province, New Mexico."
September 25, 1980
8. Dr. Dieter Stoffler, Institute of Mineralogy, University of
Munster, Munster, West Germany.
"Terrestrial Impact Craters: Breccia Formation and Implications
to Lunar Highland Rocks."
September 25, 1980.
9. Dr. Theodore J. Bornhorst, Michigan Technological University.
"Eruptions of Mount St. Helens."
September 26, 1980
10. Dr. Dieter Stoffler, Institute of Mineralogy, University of
Munster, Munster, West Germany.
"Apollo 16 Rake Samples from the North Ray Crater Area."
September 26, 1980

11. Dr. Amos Salvador, University of Texas at Austin.
"Late Triassic-Jurassic Paleogeography and the Origin of the Gulf of Mexico."
September 29, 1980
12. Dr. Ed Scott, Institute of Meteoritics, UNM.
"Origin of Iron Meteorites."
October 2, 1980
13. Dr. Richard Henley, New Zealand Department of Scientific and Industrial Research, Wairakei, New Zealand.
"Geothermal and Hydrothermal Systems in New Zealand."
October 6, 1980
14. Dr. Anthony Ewart, University of Queensland, Australia.
"Cenozoic Volcanism of Southwest Pacific."
October 7, 1980
15. Dr. Anthony Ewart, University of Queensland, Australia.
"Petrologic and Geochemical Characteristics of Cenozoic Volcanic Rocks of the Southwest Pacific."
October 7, 1980
16. Dr. Lee Woodward, Department of Geology, UNM.
"Structure of the Beartooth Uplift, Montana."
October 9, 1980
17. A.J. Scanlan, CONOCO, INC.
"A Walk Through an Oil Mine."
October 10, 1980
18. Dr. Michael Rappaz, Oak Ridge National Laboratory.
"Monazite and Related Orthophosphates for the Primary Containment of Nuclear Waste."
October 13, 1980
19. Keith Ronnholm.
"First-Hand Account of the Eruption of Mt. St. Helens."
October 20, 1980
20. Dr. Roger Y. Anderson, Dept. of Geology, UNM.
"The World's Record Climatic Record."
October 23, 1980
21. Lloyal O. Bacon, Geophysical Consultant, Hancock, Michigan.
"Redox CRM-A New Dimension in Exploration for Sulfide in Volcanic Covered Areas."
October 28, 1980
22. Bruce L. Barraclough, Los Alamos Scientific Labs, Geosciences Division.
"North to Alaska for 'Solid Gas': A New Energy Resource."
October 30, 1980
23. Lloyd Nelson, Sandia Laboratories.
"Steam Explosions as a Mechanism for Phreatic-Magmatic Explosions."
November 6, 1980

24. Bill Mansker, University of New Mexico.
"A Survey of Diamonds & Kimberlites in the U.S."
November 13, 1980
25. Andrew Alpha, Consultant, Denver, Colorado.
"Oil and Gas Possibilities of the Appalachian Basin."
January 29, 1981
26. Rod Holcombe, University of Queensland, Australia.
"Transposition Layering-A Guide to Field Studies (an informal seminar)."
February 4, 1981
27. Samuel Ellison, University of Texas.
"Seven More Middle Easts in Sight."
February 5, 1981
28. Kent Condie, New Mexico Institute of Mining and Technology.
"Proterozoic Evolution of the Southwest."
February 11, 1981
29. Rod Thurston, Sigma Xi Distinguished Lecturer.
"Synfuels, SASOL and Politics."
February 12, 1981
30. Ken Eriksson.
"Archean and Proterozoic Sedimentation Patterns: Evidence for Progressive Cratonization."
February 13, 1981
31. John Gibbons.
"The Origin of Regional Joint Patterns."
February 19, 1981
32. Mary Ellen Cameron, University of California, Santa Cruz.
"Petrogenesis of Voluminous Rhyolitic Ignimbrites from the Sierra Madre Occidental of Mexico."
February 26, 1981
33. Steve Wells, University of New Mexico.
"Environmental Geology and Hydrology in New Mexico."
March 5, 1981
34. Raymond Siever, Harvard University.
"Geochemical Diagenesis of Sediments in Accretionary Prisms."
March 12, 1981
35. Raymond Siever, Harvard University.
"Heat Flow, Subsidence and Evolution of Sedimentary Basins."
March 12, 1981
36. G. J. Wasserburg, California Institute of Technology.
"Isotopic Heterogeneities in the Solar Nebula and the Time Scale for Injection of the Supernova Debris."
March 23, 1981
36. Dr. G. Jeffrey Taylor, University of New Mexico.
"Something New Under the Sun."
March 26, 1981

37. Roelof J. Murriss, AAPG Distinguished Lecturer.
"Middle East-Stratigraphic Evolution and Oil Habitat."
March 30, 1981
38. Cornelis Klein, Jr.
"Some Aspects of Precambrian Evolution from the Precambrian
Paleobiology Research Group."
April 2, 1981
39. Peter Wyllie, Caswell Silver Distinguished Lecturer.
"Plate Tectonics, Magma Genesis and Volatiles."
April 9, 1981
40. Michael Zeilik, Sigma Xi Distinguished Lecturer.
"Ancient Astronomy in New Mexico."
April 16, 1981
41. Larry Teufel, Sandia National Laboratories.
"Earthquake Prediction: An Assessment Based on Field & Laboratory
Studies."
April 23, 1981
42. Les McFadden, University of Arizona.
"Changes in Pedogenic Iron Oxyhydroxide with Time in Soils
Formed on Lithic Arkosic Alluvium, Southern California."
April 27, 1981
43. George Rossman.
"Natural Radiation Damage Effects in Silicate Minerals: Cation
Oxidation State, Color, Order/Disorder."
April 30, 1981
44. Bill Ullman.
"Sedimentary Geochemistry of Iodine: Distribution, Speciation
and Transport."
May 4, 1981
45. Dennis Eberl.
"Alkali Cation Selectivity and Fixation by Clay Minerals."
May 6, 1981
46. Clarence Allen, Caswell Silver Distinguished Lecturer.
"The Collision Between India and Asia-the View from Tibet."
May 7, 1981
47. Clarence Allen, Caswell Silver Distinguished Lecturer.
"The Red River Fault and the Evaluation of Seismic Hazard in
China."
May 7, 1981
48. Dr. Sundar Rajan, Jet Propulsion Laboratory, Pasadena, California.
"Carbonaceous Chondrite Breccias."
July 8, 1981

APPENDIX IV: STUDENT SCHOLARSHIPS

The following students received scholarships as indicated:

A. American Geological Institute

Carlton Ortega	\$125.00
Mary Ann Alascoaga	\$250.00
William Tsosie	\$250.00

B. Albuquerque Gem and Mineral Club

Ellen Lambert	\$180.00
Alan Rubin	\$180.00

C. El Paso Gas

Joseph Mirabal	\$750.00
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D. Geology Research & Scholarship Fund

Gautam Prasad Sarkar	\$ 50.00
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E. Harry Leonard Estate

Dale Finn	\$300.00
John Musgrave	\$150.00
Mary-Ann Eames	\$150.00
Russell Ives	\$150.00
Russell J. Keenan	\$150.00
Michael G. Rupert	\$150.00
Kathleen K. Tohe	\$150.00
Leroy J. Schutz	\$300.00
Douglas H. Rappuhn	\$300.00
Joyce A. Wheelchel	\$300.00

Sam Conner	\$300.00
Charles W. Criswell	\$300.00
William M. Blount	\$300.00
Szkларz, David D.	\$300.00
John L. Appel	\$600.00
William R. Morris	\$600.00
David Kraig	\$600.00
Dan J. Van Rosendaal	\$600.00
Mary Lou Leonard	\$ 50.00
F. Harry Leonard Estate (Petrology Awards)	
David D. Szkларz	\$ 50.00
Joyce A. Whelchel	\$ 50.00
G. Public Service (Geology)	
Brian E. Honea	\$ 60.00
Michael J. Jercinovic	\$100.00
James L. Renshaw	\$112.00
Devon E. Rose	\$218.25
William M. Blount	\$ 50.00
John L. Appel	\$200.00
Joyce M. Underwood	\$100.00
Thomas F. Bullard	\$200.00
William J. Cavin	\$200.00
Bruce A. Harvey	\$100.00
Richard P. Lozinsky	\$100.00
Glen Atwood	\$100.00
Herbert A. Vogler	\$100.00

G. Public Service (Geology)

Peter Maggiore	\$100.00
Harlan L. Stein	\$100.00
Winfred Leopoldt	\$100.00
Kevin P. Guilbeau	\$100.00
Lawrence N. Smith	\$100.00
Paul W. Bauer	\$100.00

H. Rodney C. Rhodes Memorial

Bruce A. Harvey	\$100.00
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I. Society of Mining Engineers - AIME

Glen Atwood	\$100.00
Mary Lou Leonard	\$100.00

APPENDIX V: TEACHING AND RESEARCH ASSISTANTSHIPS

FY 1980-81

NAME	TA/RA	PROJECT DIRECTOR	FUNDING
Abadie, Toni D.	TA/RA	Ewing	Harding Mine
Abashian, Mark	RA	Brookins	Sandia
Albright, Randy	RA	Elston	NMEMD/USGS
Atwood, Glen W.	TA/RA	Elston	NSF
Barker, Steven	RA	Keil	NASA
Bauer, Paul	TA		
Bullard, Thomas F.	TA/RA	Wells	NMEMD
Cavin, William J.	TA		
Codding, David B.	TA/RA	Grambling	Sandia
Condit, Christopher D.	RA	Elston	NASA
Connally, James	RA	Keil	Sandia
Criswell, Charles W.	RA	Elston	NASA
Emanuel, Karl M.	RA	Keil/Brookins	Sandia/Sandia
Grimm, Joel P.	TA/RA	Wells	NMEMD
Guilbeau, Kevin P.	TA		
Harvey, Bruce A.	TA		
Holcombe, Horace T.	RA	Jiracek	DOE
Hudson, Jeanna	TA		
Jercinovic, Michael J.	RA	Keil	NASA
Kautz, Paul F.	TA		
Lambert, Ellen E.	TA		
Leonard, Andrew D.	TA		
Leopoldt, Winifried	RA	Elston	NMEMD/USGS
Leyenberger, Terry L.	TA		
Logsdon, Mark J.	TA/RA	Elston	NMEMD
Lowy, Robert M.	RA	Brookins	Sandia
Lofinsky, Richard P.	TA/RA	Ewing	Harding Mine
McCarty, Rose M.	PA	Ewing	Harding Mine

NAME	TA/RA	PROJECT DIRECTOR	FUNDING
McKinley, James	RA	Keil	NASA
McKinley, Susan	RA	Keil	NASA
Mahoney, Maureen	RA	Jiracek	RMSU
Maggiore, Peter	TA/RA	Keil/Elston	NASA/USGS
Marker, Robert R.	TA		
Parker, Mark D.	TA		
Picha, Mark G.	TA		
Renshaw, James L.	TA		
Rose, Devon E.	TA/RA	Wells/Ewing	NMEI/Harding Mine
Rubin, Alan	RA	Keil	NASA
Sarkar, Gautam	RA	Elston	NSF
Salas, James E.	TA		
Smith, Larry	TA/RA	Wells	NMEI
Stein, Harlan L.	TA		
Vogler, Herbert A.	RA	Brookins	Sandia
Woodward, Thomas W.	TA/RA	Elston	NSF

REPORT OF THE GRADUATE ADMISSIONS COMMITTEE FOR 1981

A total of 154 students applied for admission into the Department of Geology graduate program for the Spring and Fall, 1981, semesters. Of these, 70 students were accepted (further information on characteristics of the applicants is presented in Tables 1 & 2). Though we will not know how many of the applicants accepted for the Fall semester will actually enroll until August, 1981, Spring semester data plus preliminary information on Fall enrollees suggest that about 25 new graduate students will enter the Department of Geology in 1981. Worthy of note is an increase over past years in the number of ethnic minority students applying to the Department; out of 6 applicants this year, 4 were accepted. Applicants for graduate study are judged on the basis of grades, recommendations, graduate record exam scores, broadness of background in geology and related sciences, statement of goals in geology, and other evidence of potential for success in our program.

The Department's ability to attract top graduate students in a highly competitive recruiting environment was measurably improved in 1981 by the establishment of the Vincent C. Kelley and Leon T. Silver Graduate Fellowships by the Caswell Silver Foundation. The first of these fellowships were offered to Fall, 1981, applicants. The recipients are John D. Pickle, of Franklin & Marshall University (Kelley Fellowship) and Robert Trumbull, of Stanford University (Silver Fellowship). These two students were in the top three of all who applied to our graduate program this year, demonstrating the significance of these awards in bringing truly superior graduate students to U. N. M. Funds provided to the Department by the Silver

Foundation for flying top applicants in for a tour of the Geology Department and the University also contributed to their choosing U. N. M. as the place to pursue their graduate studies.

In addition, the Department offered a total of 16 Teaching Assistantships to potential new graduate students for the Spring and Fall semesters. Of these, 6 (3 male, 3 female) accepted our offer, and are, or will be enrolled in the graduate program. For more information on recipients of financial aid for 1981, see Table 3. Students to whom we offered Teaching Assistantships but who did not accept our offer, went to schools such as Stanford, Arizona, Oregon State, Penn State, Texas A & M, and Hawaii with equivalent amounts of financial aid.

Analysis of graduate record exam (GRE) scores for Fall applicants (Spring applicants were too few to be statistically significant) provides a quantitative, though obviously limited, measure of their abilities relative to the entire population of geology students taking the exam (see Table 2 for GRE data). Fall applicants who were accepted into our program averaged in the 66th percentile on the verbal part of the exam, 77 on quantitative, 75 on analytical, and 73 on advanced Geology. New Fall graduate students are thus in about the top one-quarter of all undergraduate geology students in the country.

TABLE 1. DEPARTMENT OF GEOLOGY - SUMMARY OF GRADUATE APPLICANT DATA FOR: Spring, 1981

	Male	Female	TOTAL	Minority	Foreign	TOTAL PhD	TOTAL M.S.
A. Applicants to Graduate Program							
Accepted	4	4	8	0	0	0	8
Not Accepted	2	1	3	0	0	1	2
TOTALS	6	5	11	0	0	1	10
Additional Incomplete Applications			6				
TOTAL APPLICANTS			17				
Total Enrolled	0	2	2	0	0	0	2
B. Financial Aid Data (Assistantships and Fellowships)							
Aid Offered	0	1	1	0	0	0	1
Aid Accepted	0	1	1	0	0	0	1
% Accepting our offer: 100%							
C. Graduate Record Exam Data							
	Verbal		Quantitative		Analytical		Advanced: Geology
a) Accepted applicants							
Average raw score	519		590		547		604
Average percentile	56		67		58		58
b) Applicants not accepted							
Average raw score	590		645		625		653
Average percentile	63		75		75		62

TABLE 2. DEPARTMENT OF GEOLOGY - SUMMARY OF GRADUATE APPLICANT DATA FOR: Fall, 1981

	Male	Female	TOTAL	Minority	Foreign	Total PhD	Total M.S.
A. Applicants to Graduate Program							
Accepted	49	13	62	4	1	4	58
Not accepted	27	6	33	2	2	2	31
TOTALS	76	19	95	6	3	6	89
Additional Incomplete Applications			42				
TOTAL APPLICANTS			137				
Total Enrolled (Available in August, 1981)							
B. Financial Aid Data (Assistantships and Fellowships)							
Aid Offered	16	2	18	0	1	3	15
Aid accepted	5	2	7	0	0	0	7
% accepting our offer: 39%							
C. Graduate Record Exam Data							
	Verbal		Quantitative		Analytical		Advanced: Geology
a) Accepted applicants							
Average raw score	554		639		608		651
Average percentile	66		77		75		73
b) Applicants not accepted							
Average raw score	458		551		513		537
Average percentile	44		58		53		38

TABLE 3. Financial Aid recipients

FALL, 1981

Seven graduate applicants for Fall, 1981, have accepted offers of financial support. They are:

1. Kelley/Silver graduate fellowships
 - a. John Pickle, Franklin & Marshall (Geochemistry/Hydrology)
 - b. Robert Trumbull, Stanford (Economic Geology)
2. Teaching Assistants
 - a. Richard Ford, Virginia Polytechnic (also will get a scholarship of \$1200)(Geomorphology)
 - b. Tamara Dickinson, Northern Iowa (Igneous Petrology)
 - c. David Ward, Univ. California at San Diego (Geochem/-Economic Geol.)
 - d. Mark Longden, Chico State (Econ. Geol.)
 - e. Joy McKinney, Humboldt State (Geomorphology)

We offered T. A.-ships to 10 other students, who chose to go elsewhere:

- a. Daniel Johnson (Puget Sound) - Fellowship of \$488/month + a summer job at Univ. Hawaii
- b. James Evans (Michigan) - \$6000 12 month fellowship at Texas A & M
- c. Howard Grahn (Washington) - 1/3 time T. A.-ship (\$3700) at Univ. Arizona
- d. Robert Strauss (Oregon) - T. A.-ship at Univ. Arizona
- e. Robert Milam (Rice) - \$500/month T. A.-ship at Stanford
- f. Labidi Heydari (Penn State) - no information
- g. James Williams (Bowling Green) - T. A.-ship at N. M. Tech
- h. Bryan Grigsby (Texas Christian) - T. A.-ship at Oregon State
- i. Stanley Davis (Purdue) - T. A.-ship at Arizona or Penn. State
- j. Brian Leavy (Rhode Island) - Is staying at U. S. G. S.; may come here in Spring, 1982

Donald Medwedeff (Michigan) was offered a Kelley/Silver fellowship but decided to attend Queens College, Ontario

SPRING, 1981

One Teaching Assistantship was offered in the Spring, 1981, semester; the offer was accepted by:

- a. Jeanna Hudson, California State at Hayward (Economic Geol.)

APPENDIX VII: GIFT LIST 1980-1981

Conoco, Inc.	\$100.00	Unrestricted
Dr. Dean L. Stoneman	10.00	AAPG
Chace Oil Company/Royce McCary	25.00	AAPG
Mr. Rufus H. Carter, Jr.	25.00	AAPG
Albuquerque Testing Laboratory, Inc./James H. Clary	20.00	AAPG
Teton Exploration Drilling Co., Inc./R. Judd Peterson	25.00	AAPG
Val R. Reese, Inc./Val R. Reese	30.00	AAPG
Albuquerque Geological Society/A. Park Shaw, III	350.00	AAPG
Dr. Sherman A. Wengerd	25.00	AAPG
Energy Resources Exploration, Inc./Bob Grant	25.00	AAPG
Mr. Robert E. Dickson	15.00	AAPG
Todilto Exploration & Development Corp./G. Warnock	100.00	AAPG
Exxon Minerals Co., USA/Jonathan L. Hagmaier	50.00	AAPG
Los Alamos Geological Society/Beverly Wellnitz, Chairman Field Scholarship Committee	95.00	Undergraduate Scholarships
Sohio Western Mining Co./R. G. Boyd	100.00	AAPG
Ranchers Exploration & Development/ Frederick A. Schilling, Jr.	10.00	AAPG
Conoco/Mr. David Wentworth, District Geologist, Continental Oil Co.	1,000.00	Scholarship
Mr. Malcolm L. Goode	25.00	Unrestricted
Amoco Foundation, Inc./Donald G. Schroeter, Executive Director	1,200.00	Scholarships
Atlantic Richfield Co./J. M. Theis, College Relations Representative	1,000.00	Scholarships
Mobil Foundation, Inc./R. R. Church, Geol. Consult., Mobil Producing Texas & NM Inc.	750.00	Scholarships
Mr. & Mrs. Craig S. Goodknight	7.50	Unrestricted

Dr. Bill P. Lovejoy	25.00	Unrestricted
Phillips Petroleum Foundation, Inc./Jack Presnell	500.00	Unrestricted
Phillips Petroleum Foundation, Inc./Jack Presnell	1,250.00	Unrestricted
Tenneco Oil/Mr. Jeffrey L. Wilson, Geol. Supervisor	5,900.00	Blackie Mine St (Thesis support
Sandia Laboratories/Juan J. Griego, Administrator Univ. Programs Ed. & Training Div. 3521	112.00	Unrestricted
Exxon Co., USA/Amos A. Plante, Public Affairs Coordinator	1,500.00	Unrestricted
Phillips Petroleum Foundation, Inc./E. E. Clark	1,000.00	Unrestricted
ANACONDA Copper Co./Bob Johnson	3,600.00	Precambrian stratigraphy st
Mr. Frank J. Hoyt	5.00	Unrestricted
TOTAL	\$18,879.50	

APPENDIX VIII: LIST OF COMPANIES INTERVIEWING IN THE DEPARTMENT

DATE	COMPANY	INTERVIEWER	CAREER SERVICES	GEOLOGY DEPARTMENT
9-30	Gearhart Industries		xx	
10-1	Cities Service Co.	Bert Leiker		xx
10-2	Phillips Petroleum		xx	
10-2	Cities Service Co.	Bert Leiker		xx
10-3	Phillips Petroleum		xx	
10-6	Central Intelligence Agency		xx	
10-7	Exxon Co., USA	John (Tad) Shea		xx
10-7	Central Intelligence Agency		xx	
10-8	Exxon Co., USA	John (Tad) Shea		xx
10-9	Conoco (Geophysics)	A. J. (Tony) Scanlan		xx
10-9	Conoco (Petrol. Geology)	P. T. Kinnison		xx
10-10	Conoco (Geophysics)	A. J. (Tony) Scanlan		xx
10-10	Conoco (Petrol. Geology)	P. T. Kinnison		xx
10-17	Texaco			xx
10-20	Mobil Oil Corporation	R. R. (Dick) Church		xx
10-21	Shell Oil Co.		xx	
10-22	Atlantic Richfield (Oil & Gas)	Doug Gardner		xx
10-22	Anaconda	R. W. Knostman		xx
10-22	Anaconda	G. Ragland		xx
10-24	Dowell Division			xx

OUTLINE OF REQUIREMENTS AND PROCEDURES
FOR THE BACHELOR'S DEGREE IN GEOLOGY

1. Advisor: Each student must obtain assistance in planning a course of study, selecting courses and registration from Prof. J. F. Callender, the primary undergraduate advisor. It is strongly recommended that all majors communicate with the undergraduate advisor and the faculty throughout their residence at UNM. In addition, students may and should consult with any member of the faculty about specific disciplines in geology (see attached list of faculty).
2. Course requirements are outlined on the attached sheets. Additional recommended courses for specific fields in geology are also listed, as are useful courses for the A & S group requirements. The B. U. S. degree is not recommended for a career in Geology.
3. Each major is required to have on file with the department secretary a current address, phone number, and up-to-date transcripts of all college work. This file will allow the department to contact you and also will allow faculty to consult your records and make recommendations for employment, scholarships and so forth.
4. An honors program, including a senior thesis, is available to outstanding majors who wish to do original research. If interested, check with the undergraduate advisor at the beginning of the junior year.
5. In their last semester before graduation, all majors will have a short, informal interview with the department chairman. This will enable the chairman to direct appropriate employment and scholastic opportunities to the student, and to allow the student to discuss her/his undergraduate experience.
6. Membership in Sigma Gamma Epsilon, a geoscience honorary society, is available to senior majors with high academic standing. See UNM Geology Club President for more information.
7. There are many scholarships and fellowships available to undergraduates at all levels. Awards are made for academic performance and financial need, or both. Check with undergraduate advisor and department chairman for details.
8. Early in the fall semester, seniors will meet with the undergraduate advisor to discuss job interviews and graduate school applications. All seniors should attend this meeting. Please check with department secretary no later than the first week in September for time and place.

IDEAL FOUR-YEAR PROGRAM LEADING TO B.S. IN GEOLOGY

	<u>Fall Semester</u>		<u>Spring Semester</u>	
1st year	Geol. 101 ¹ (Phys. Geol.)	3	Geol. 102 ¹ (Hist. Geol.)	
	Geol. 105 ¹ (Phys. Geol. Lab)	1	Geol. 106 ¹ (Hist. Geol. Lab)	
	Chem. 121L (Gen. Chem. I)	4	Chem. 122L (Gen. chem. II)	
	Math 152 (Calculus I)	4	Math 163 (Calculus II)	
	A & S Group Requirements	3-4	Phys. 160 (Gen. Physics I)	
		<u>15-16</u>		
2nd year	Geol. 311L ¹ (Mineralogy I)	4	Geol. 312L ¹ (Mineralogy II)	
	Math 264 (Calculus III)	4	Phys. 262 (Gen. Physics III)	
	Phys. 161 (Gen. Physics II)	3	Math 345 (Statistics)	
	A & S Group Requirements	6	A & S Group Requirements	7
		<u>17</u>		<u>16-</u>
3rd year	Geol. 313L ¹ (Petrology I)	3	Geol. 314L ¹ (Petrology II)	
	Geol. 317L ¹ (Structural Geol.)	4	Geol. Elective ^{1,2}	3
	Geol 318L ¹ (Mathematical Methods & Computer Program.)	3	English 219 (Tech. Writing)	
	A & S Group Requirements	6	A & S Group Requirements	
			Elective	
		<u>16</u>		<u>15-</u>
4th year	Geol. 319L ¹ (Beg. Fld. Geol.)	4	Geol. 420L ¹ (Adv. Fld. Geol.)	
	Geol. 401 ¹ (Seminar)	1	Geo. 490 ¹ (Geologic Presen.)	
	Geol. Elective ^{1,2}	3-4	A & S Group Requirements	
	A & S Group Requirements	6	Electives ³	
	Elective ³	3		
		<u>17-18</u>		

See attached page for suggestions on group requirements in the College of Arts and Sciences.

- NOTES: 1. Required Geology course
2. Two of the following must be chosen to satisfy this requirement:

Ge 405L	Physical geochemistry	4 units
Ge 410	Geochemistry	3
Ge 411L	Invertebrate Paleontology	4
Ge 426L	Exploration geophysics	4
Ge 427	Solid earth geophysics	3
Ge 441L	Stratigraphy-sedimentology	4
Ge 471L	Mineral deposits	4
Ge 481L	Geomorphology	4
Ge 487L	Advanced Mineralogy	4

3. May be Geology honors program
[Ge 493 and Ge 495]

A & S Group requirements satisfied, with distributed minor.

General comments: See UNM Bulletin for general instructions. If foreign language is not used as a group requirement, the minimum possible hours of group requirements (exclusive of mathematics, which is automatically fulfilled because of math requirement in geology major) is 39 two 6-hour groups and three 9-hour groups.

If foreign language is used as a group requirement, the minimum number of hours of group requirements could be, 30 (if one tests out of language), 33 (if one needs but the fourth semester of language) or 42 (if one needs four semesters of language).

Recommendations (not required) for group requirements:

- I. Communications
 - ** English 220 - Expository writing
 - Speech 130L - Public Speaking
 - Speech 221 - Interpersonal Communication
- II. Humanities
 - History 317 - History of Science (to 1543)
 - History 318 - History of Science (1543 - 1800)
 - * History 319 - History of Science (1800 - present)
 - * Philosophy 156 - Intro. to Logic
 - Philosophy 253 - Intro. to Philo. of Science
 - * Philosophy 254 - Scientific Method
- III. Biological/Behavioral Sciences
 - * Anthro. 105 - Natural History of Man
 - Biology - see Paleontology program
- IV. Social Sciences
 - Economics 201 - Principles of Economics
 - Geography 482 - Remote Sensing
- V. **Foreign Language
 - * German
 - * Russian
 - French
 - Spanish

Also recommended (without Group credit):

- Astronomy 270-271 - General Astronomy
- Architecture and Law courses relating to land use and natural resources
- Civil Engineering 202 - Engineering Statics
- * Civil Engineering 302 - Mechanics of Materials
- Civil Engineering 360 - Soil Mechanics

** Very strongly recommended

* Strongly recommended

B. A. REQUIREMENTS

Geol. 101, 105, 311L, 312L, 313L, 314L, 317L, 319L, 401, 490 and 7 additional hours in geology courses numbered 300 or above; in additions, Chem. 121L, 122L, Math 162, 163 and Physics 160, 161. To obtain a distributed minor, the student must elect 8 hours of courses numbered above 299 in any one of the following departments: Anthropology, Biology, Chemistry, Engineering, Geography, Mathematics or Physics. Alternatively the distributed minor may be satisfied with Math 264, Physics 262 and one additional course above 299 in the above departments.

Minor Study

Geol. 101, 105, 311L or 317L, and 13 additional hours in geology, no more than 4 of which may be taken at the 100-299 level.

Departmental Honors

Students seeking honors in geology should consult with the department chairperson no later than two full semesters prior to graduation. Geology 493 and 495 are required, as is a written senior thesis which will be orally defended. Eligibility is not limited to students in the College of Arts and Sciences.

FOUR-YEAR PROGRAM LEADING TO B.S. IN GEOLOGY
(for students with GEOPHYSICS emphasis¹)

	<u>Fall Semester</u>		<u>Spring Semester</u>	
1st year	Geol. 101 ²	3	Chem. 122L	4
	Geol. 105L ²	1	Math 163	4
	Chem. 121L	4	Phys. 160 ^{2,3}	3
	Math 162	4	Geol. 215 ^{2,3} (Interior of the Earth)	3
	A & S Group requirements	3-6	A & S Group requirements	3-4
		<u>15-16</u>		<u>17-18</u>
2nd year	Geol. 311L ²	4	Geol. 312L ²	3
	Math 264	4	Phys. 262	3
	Phys. 161	3	Phys. 264L	1
	Phys. 163L	1	Math 265 (Vector analysis)	4
	A & S Group requirements	6	A & S Group requirements	6
		<u>18</u>		<u>17</u>
3rd year	Geol. 313L ³	3	Geol. 314L ²	3
	Geol. 317L ²	4	Geol. 427 ²	3
	Geol. 318L ²	3	Math 345	3
	Geol. 426L ²	4	Math 312 (Adv. Engineering Math I)	3
	Math 316 (Differential Equations)	3	A & S Group requirements	6
		<u>17</u>		<u>15-18</u>
4th year	Geol. 319L ²	4	Geol. 420L ²	4
	Geol. 401 ²	1	Geol. 490 ²	1
	A & S Group requirements	6	A & S Group requirements	6
	Electives ⁴	6	Electives ⁴	6
		<u>17</u>		<u>17</u>

NOTES:

1. This program satisfies the mathematics minor.
2. Required geology course
3. Substitution for Geol. 102-106
4. Suggested electives - senior year:

FALL SEMESTER

Phys. 303 (Analytical Mechanics) OR
 305 (Electricity & Magnetism) OR
 301 (Heat and Thermodynamics)
 Math 314 (Linear Algebra)
 strongly recommended

SPRING SEMESTER

Phys. 304 (Analytical Mechanics) OR
 306 (Electricity & Magnetism) OR
 302 (Optics)
 Math 313 (Adv. Engineering Math II)
 strongly recommended

FOUR YEAR PROGRAM LEADING TO B.S. IN GEOLOGY
(for students with PALEONTOLOGY emphasis)

	<u>Fall Semester</u>		<u>Spring Semester</u>	
1st year	Geol. 101 ¹ (Phys. Geol.)	3	Geol. 102 ¹ (Hist. Geol.)	3
	Geol. 105 ¹ (Phys. Geol. Lab)	1	Geol. 105 ¹ (Hist. Geol. Lab)	1
	Chem. 121L (Gen. Chem.)	4	Chem. 122L (Gen. Chem.)	4
	Math 162 (Calculus I)	4	Math 163 (Calculus II)	4
	Biology 121L (Biol. I)	4	Biology 122L (Biol. II)	4
	<hr/> 16		<hr/> 16	
2nd year	Geol. 311L ¹ (Min. I)	4	Geol. 312L ¹ (Min. II)	3
	Math 264 (Calculus III)	4	Phys. 161 (Gen. Physics II)	3
	Phys. 160 (Gen. Phys. I)	3	Biology 371L (Invert. Biol.)	5
	Biology 222 (Evolution & Ecology) ²	3	A & S Group Requirements	6
	A & S Group Requirements	3		
	<hr/> 17		<hr/> 17	
3rd year	Geol. 313L ¹ (Petrology I)	3	Geol. 314L ¹ (Petrology II)	3
	Geol. 317L ¹ (Struc. Geol.)	4	Geol. 411 ¹ (Invert. Paleo.)	4
	Group 318L ¹ (Mathematical Methods & Computer Prgm.)	3	English 219 (Tech. Writing)	3
	A & S Group Requirements	6	A & S Group Requirements	6
	<hr/> 16		<hr/> 16	
4th year	Geol. 319L ¹ (Beg. Fld. Geol.)	4	Geol. 420L ¹ (Adv. Fld. Geol.)	4
	Geol. 401 ¹ (Seminar)	1	Geol. 490 ¹ (Geologic Presentation)	1
	Geol. 412 ¹ (Index Fossils)	3	A & S Group Requirements	9
	Geol. 441 ¹ (Strat.-Sed.)	4	Geol. 520 (Topics in Geobiology)	3
	Geol. 431L (Palynology-Micropaleo)	4		
	<hr/> 16		<hr/> 17	

NOTES: ¹ Required Geology course

² Substitution for Physics 262

SUGGESTED ELECTIVE COURSES FOR UNDERGRADUATES INTERESTED
IN PURSUING GRADUATE STUDY IN THE FOLLOWING FIELDS:

GEOCHEMISTRY

** Geol. 405	Physical Geochemistry
** Geol. 410	Geochemistry
* Geol. 505	Stable Isotope Geochemistry
Geol. 517 (or Chem. 454L)	Instrumental Analysis
** Chem. 311-312	Physical Chemistry
* Chem. 431-432	Advanced Inorganic Chemistry
Math. 265, 312-313, 314, 316	Math above Calculus Series
Phys. 301	Heat and Thermodynamics
Phys. 305-306	Electricity and Magnetism
Phys. 330	Atomic and Nuclear Physics

MINERALOGY

** Geol. 487L	Advanced Mineralogy
Geol. 506L	Structure Analysis by X-ray Crystallography
** Chem. 431-432	Advanced Inorganic Chemistry
Chem. 563	Thermodynamics
** Math. 265	Vector Analysis
Math. 316	Applied Ordinary Diff. Equations
** Math. 321	Linear Algebra

STRUCTURAL GEOLOGY/TECTONICS

Geol. 215	Interior of the Earth
* Geol. 427	Solid Earth Geophysics
* Geol. 525L	Comparative Tectonics
* Geol. 527L	Advanced Structural Geology
Civil Engineering 202	Engineering Statics
** Civil Engineering 302	Mechanics of Materials
** Math series as in geophysics program	

** Very strongly recommended

* Strongly recommended

NOTE: Prerequisites for some of the above courses may require additional course work. See instructors of specific courses for advice.

SUGGESTED ELECTIVE COURSES FOR UNDERGRADUATES INTERESTED
IN PURSUING GRADUATE STUDY IN SEDIMENTARY GEOLOGY

Geol. 225	Oceanography
** Geol. 411L	Invertebrate Paleontology
* Geol. 412L	Index Fossils and Biostratigraphy
Geol. 425L	Exploration Geophysics
Geol. 431L	Palynology-Micropaleontology
** Geol. 441L	Stratigraphy and Sedimentology
Geol. 442	Petroleum Geology
Geol. 462	Hydrogeology
* Geol. 481L	Geomorphology
Geol. 501	Sedimentary Geochemistry
Geol. 523	Tectonics of Sedimentary Basins
* Geol. 544L	Sedimentary Petrology

SUGGESTED ELECTIVE COURSES FOR UNDERGRADUATES INTERESTED
IN ECONOMIC GEOLOGY or WORK IN INDUSTRY

* Geol. 103-107L	Earth Resources and Lab
** Geol. 410	Geochemistry
** Geol. 426L	Exploration Geophysics
** Geol. 441L	Stratigraphy and Sedimentology
* Geol. 442	Petroleum Geology
Geol. 455L	Photogeology and Air Imagery Analysis
Geol. 462	Hydrogeology
* Geol. 471L	Mineral Deposits
Geol. 505	Stable Isotope Geochemistry
Geol. 510	Advanced Mineral Deposits
Geol. 525L	Comparative Tectonics

SUGGESTED ELECTIVE COURSES FOR UNDERGRADUATES INTERESTED
IN PURSUING GRADUATE STUDY IN GEOMORPHOLOGY OR
ENVIRONMENTAL GEOLOGY

** Geol. 333L	Environmental Geology
* Geol. 441L	Stratigraphy and Sedimentology
** Geol. 455L	Photogeology and Air Imagery Analysis
* Geol. 462	Hydrogeology
Geol. 472	Quantitative Hydrogeology
* Geol. 481L	Geomorphology and Surficial Geology
Geol. 482L	Geomorphology of the U. S.
** Geol. 483L	Quantitative Geomorphology
Geol. 501	Sedimentary Geochemistry
Geol. 516	Selected Topics in Geomorphology
Geol. 544L	Sedimentary Petrology

- ** Very strongly recommended
* Strongly recommended

APPENDIX X: REQUIREMENTS AND PROCEDURES

FOR M. S. DEGREE IN GEOLOGY

1. Temporary advisor: Each student will be assigned a temporary advisor to assist in registration, selecting courses, and planning the student's program. It is the student's responsibility to check with the advisor prior to registration.
2. Field examination: During registration week of the first semester of residence, each student will be given an examination in the field to test competence and ability in field mapping. Geology 319L and 420L must be taken in lieu of this examination or to make up deficiencies noted in the field examination. A rock identification exam will also be given at this time.
3. Counseling interview: a 1/2 hour counseling interview will be given to each student during registration week of the student's first semester of residence to determine proficiency in the following fundamental subjects:
 - a) Mineralogy
 - b) Petrology
 - c) Structure
 - d) Sedimentology - stratigraphy - paleontology
 - e) General geology

Upon evaluation of above subjects and transcripts by the interviewing committee, course work in these and other topics may be required in order to assure proficiency in fundamentals of geology.

4. Supervisor: By the end of the first semester in Graduate School, the student should obtain the consent of a faculty member to serve as the thesis supervisor. The thesis supervisor need not be the temporary advisor.
5. Thesis committee: As soon as the student has obtained a thesis supervisor, arrangements should be made with the supervisor for appointment of a thesis committee.
6. Foreign Language: There is no foreign language requirement for the M. S.
7. Course work: The student must complete 24 hours of 400- and 500-level courses in geology with an average of 3.0 grade points (B average). The following distribution is required:

- a) A minimum of 6 hours of 500-level courses
 - b) A limit of 6 hours of Problems
 - c) Not more than half of the minimum required hours may be taken with any one professor
 - d) No more than 6 hours of C grades may be included in degree program.
 - e) See item #14.
8. Advancement to candidacy: After completion of 12 hours of course work, application forms for advancement to candidacy should be submitted to the Graduate School.
9. Comprehensive examination: An oral comprehensive examination will be given by the end of the second semester in residence to assess the student's basic proficiency and ability to conduct independent research.

The comprehensive exam will be given by a faculty committee consisting of 5 faculty members. The student may select 3 faculty members for examination in three areas of competence of the student's choice. The areas of competence are to be selected from the list of 10 given below. The student's supervisor, who normally serves as the examination committee chairperson, must be one of these 3 faculty members. The Department Chairperson will appoint 2 additional committee members to cover areas of general geology not covered by the 3 areas of competence of the student's choice and to assure balance of the exam to cover required basic geological disciplines.

The student must inform the Department Chairperson of the choice of 3 faculty members and 3 areas of competence within the first 4 weeks of the semester in which the comprehensive exam is to be scheduled. This is to assure that no faculty member serves on more than 1/3 of all scheduled comprehensive exams in any one semester, whether by the student's choice or by appointment through the Department Chairperson. The Department Chairperson shall inform faculty and students of the final committee make-up during the 5th week of each semester.

There are only two possible grades for the M. S. comprehensive exam, namely PASS (in which case the student is admitted into the M. S. program) or FAIL. In case of a FAIL, the student may choose to retake the exam once and once only. This retake must take place in the following semester and the exam normally must be given by the same committee. If the student passes the retake exam, the student is admitted to the M. S. program (without penalty). Failure to PASS the exam for the second time will end the student's participation in the M. S. program.

Areas of competence for the purpose of the M. S. exam are as follows:

- a. Mineralogy
- b. Igneous or metamorphic petrology
- c. Sedimentary petrology-sedimentology
- d. Stratigraphy-paleontology
- e. Structure-tectonics
- f. Geochemistry
- g. Economic geology
- h. Geophysics
- i. Astrogeology-meteoritics
- j. Geomorphology-environmental geology

10. Thesis: A brief description of the proposed thesis topic must be submitted to the geology faculty prior to beginning the thesis work. At least 6 hours of Geol. 599 (Thesis) must be completed. The student must submit an acceptable thesis (2 copies to the Graduate School, 1 copy to the Geology Department and 1 copy to the thesis supervisor). Thesis copies to Graduate School and Department must be unbound. In addition, the Department must receive mylar copies, suitable for blue-line reproduction, of any plates not included in the text of the thesis (i.e., pocket plates).
11. Thesis defense: The thesis will be presented before an open meeting of the Geology Department and other interested individuals. General questions pertaining to the thesis and supporting material may be asked by those in attendance. Immediately following the presentation, a closed thesis defense will be conducted by the thesis committee and interested Geology Faculty. General and specific questions pertaining to the thesis and supporting material may be asked at this time.
12. All departmental charges, keys, reading room materials and so forth must be settled or returned before thesis is approved. See Departmental Secretary for Thesis Approval Checklist.
13. Time limit: As a general rule, all work for the M. S. must be completed within a five-year period.
14. Please refer to the Graduate Bulletin for additional information concerning the requirements for the M. S.

FOR Ph.D. IN GEOLOGY

1. A graduate student must have a M. S. degree to be considered for the graduate program leading towards a Ph. D. Exceptions may be made in rare cases only, by petition to the faculty, for applicants with considerable professional and research experience as evidenced by published papers that indicate exceptional research ability.
2. Temporary advisor: Each student will be assigned a temporary advisor to assist in registration, selecting courses, and planning of the program.
3. Field examination: During registration week of the first semester of residence each student will be given an examination in the field to test the student's competence and ability in field mapping. Geology 319L and 420L must be taken in lieu of this examination or to make up deficiencies noted in the field examination. A rock identification exam will also be given at this time.
4. Counseling interview: A 1/2 hour counseling interview will be given to each student during registration week of the first semester of residence to determine proficiency in the following fundamental subjects:
 - a) Mineralogy
 - b) Petrology - geochemistry
 - c) Structure - geophysics
 - d) Sedimentology - stratigraphy - paleontology
 - e) General geology

Upon evaluation of above subjects and transcripts by the interviewing committee, review of course work in these topics may be required in order to assure proficiency in these fundamentals.

5. Supervisor: Not later than the end of the second semester, the student should obtain the consent of a faculty member to be the student's dissertation supervisor. The dissertation supervisor need not be the temporary advisor.
6. Admission into the Ph.D. program: An oral examination will be given to determine whether the student has the potential to continue work towards the Ph. D., with emphasis on the student's ability to conduct independent, original research at the post-M. S. level. This Ph. D. Admissions Examination must be taken not later than at the end of the third semester in residence and shall consist of the following:

- 6.1 Extensive defense of an original research project; either the student's M. S. thesis, an original research project carried out at UNM or elsewhere or a dissertation proposal. This defense should consist of an oral presentation of the research by the student (about 1/2 hour) with emphasis on the research problem in question, the approach used to solve the problem, the result of the study, and a detailed discussion of the conclusions reached. After the oral presentation, the student will be extensively questioned by the Admissions Examination Committee (see 6.3 below for make-up of committee) regarding the specific research project and closely related subjects that the student can reasonably be expected to be knowledgeable of, with emphasis on the student's ability to carry out original research, think independently, and solve research problems. This examination shall take about 1 1/2 hours. The student must submit to his Admissions Examination Committee, at least 2 weeks in advance of the exam, a written report (e.g., M. S. thesis, published paper, detailed Ph.D. dissertation proposal) in order for the faculty to review the report before the examination.
- 6.2 After a 1/2 hour coffee break, the student will be given a comprehensive examination lasting about 1 1/2 hours. For this examination, the student may choose three topics from the list of disciplines given below (6.3). In addition, the student will be examined in general geology (see 6.3).
- 6.3 The Ph. D. Admissions Examination Committee shall consist of 5 faculty members. The examination in the three areas of competence of the student's choice shall be administered by 3 faculty members selected by the student and should include the student's supervisor who normally serves as the Admissions Examinations Committee Chairperson. The Department Chairperson will assign 2 additional faculty members to the student's Admissions Examinations Committee who shall examine the student in areas of general geology. The Department Chairperson will choose faculty members in an effort to balance the examination to cover required basic geological disciplines. The 10 areas of competence are as follows:
 - a) Mineralogy
 - b) Igneous or metamorphic petrology
 - c) Sedimentary petrology - sedimentology
 - d) Stratigraphy - paleontology
 - e) Structure - tectonics
 - f) Geochemistry
 - g) Economic geology
 - h) Geophysics
 - i) Astrogeology - meteoritics
 - j) Geomorphology - environmental geology

- 6.4 There are only 2 possible grades for the Ph.D. Admissions Examination, namely PASS of both parts of the exam (in which case the student is admitted into the Ph.D. program) or FAIL of one part. In case the student fails the first part (see 6.1) of the Admissions Examination, the exam will not continue to the second part (see 6.2). In case the student fails the first part of the exam, the entire exam consisting of two parts (6.1, 6.2) may be taken over once. If the student fails the second part of the exam, that part may be taken over once. This retake must take place in the following semester and will normally be given by the same committee. If the student passes the retake exam, the student is admitted to the Ph. D. program (without penalty). Failure to pass the exam for the second time will end the student's participation in the Ph. D. program.
7. Foreign language: The student must pass an examination or complete the fourth semester (or equivalent) with a grade of C in one foreign language, usually French, German, or Russian. The language examinations are given by members of the geology faculty.
8. Course work: The student must complete 24 hours of 400- and 500-level courses in geology with an average of 3.0 grade points (B-average) beyond the M. S. degree (48 hours beyond the B. S. degree) with the following distribution:
- a) At least 18 hours of 500-level courses.
 - b) At least 24 hours of the total graduate courses must be taken with other than any one professor.
 - c) No more than 6 hours of C grades may be included in degree program.
 - d) See item #14.
9. Advancement to candidacy: After completion of at least 12 hours of course work beyond the M. S. and passing the Ph. D. Admissions Examination, application forms for advancement to candidacy should be submitted to the student's supervisor. The student must present a written dissertation proposal to the faculty for approval, prior to beginning work on the dissertation.
10. Dissertation: At least 18 hours of Geology 699 (Dissertation) must be taken. Two copies of an acceptable dissertation must be submitted to the Graduate School, 1 copy to the Geology Department, and 1 copy to the supervisor. Dissertation copies to Graduate School and Department must be unbound. In addition, the Department must receive mylar copies, suitable for blue-line reproduction, of any plates not included in the text of the dissertation (i.e., pocket plates).

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11. Oral Defense of Dissertation: An oral presentation dealing with the dissertation will be given by the student; this is open to the public. The committee will then have a closed period for questioning the candidate.
12. All departmental charges, keys, reading room materials and so forth must be settled or returned before dissertation is approved. See Departmental Secretary for Thesis Approval Checklist.
13. ^Y Ten-year time limit: All work offered for the Ph. D. must fall within a ten-year period.
14. Please refer to the Graduate Bulletin for additional information concerning the requirements for the Ph. D.

THE REPORT OF THE DEPARTMENT OF HISTORY**JULY 1, 1980 - JUNE 30, 1981****JANET ROEBUCK, DEPARTMENT CHAIR****I. GENERAL DEPARTMENTAL INFORMATION****A. Significant Achievements**

1. The following courses were added to the History curriculum:

220. Studies in History

280. The U.S. - Mexico Border

301. History of the Jewish People to 1492

368. The New South Since 1865

399. Contemporary Mexico: 1940 to the Present.

450. Christians and Spices: The Western Impact
on Asia

562. Seminar Southern History

2. The following courses were added to the History schedule under 320, "Studies in History:"

"Gods, Myths, and Heroes"

"The History of Medicine"

"Studies in Russian History"

"Women, War and Revolution"

"The Moslem World"

"World War II"

"20th Century Chicano History"

"Comparative Frontiers--Canada and the United
States"

"The Family in American History."

"The History of Mexico." (taught in Spanish).

"Andean History"

"The Historian as a Detective."

"Studies in Early Modern Europe."

3. Activities Beyond the Formal Curriculum:

- a. Three History journals, The Historian, Editor, Gerald D. Nash; The New Mexico Historical Review, Editor, Richard Etulain; and the Hispanic American Historical Review, Editor, John Johnson; Associate Editor, Peter Bakewell; Book Review Editor, Edwin Lieuwen.
- b. The Low Countries Newsletter was edited by Professor Steven Kramer.
- c. Professor Steven Kramer was co-director of the French Summer School in Taos in the summer of 1980.
- d. The departmental Newsletter was edited by Professor Peter Kolchin and distributed in the spring to 400 universities and History Ph.D. alumni.
- e. The Southwest Hispanic Research Institute, under the direction of Professor David Maciel and Assistant director Roberto Salmoñ, began operations in the fall of 1980. The Institute was established to coordinate faculty research efforts related to the Hispanic population, to

inform students and faculty of projects under way and their results, to disseminate information regarding funding sources and assist in the preparation of grant proposals, to provide research findings for the improvement of the curriculum in the Hispanic Southwest.

- f. Robert Kern was the program chairman of the eighth annual Southwestern Labor Studies conference. The organization, which has more than a thousand members in nineteen states, met in Albuquerque at the Student Union May 1-2, 1981. Thirty panels covered topics as diverse as "Women Workers along the Southwestern Border," Latin American labor movements, Western Railway Workers, and other labor oriented topics. The two major speakers at the meeting were Clinton Jencks of "Salt of the Earth" fame and Mel Dubofsky, one of the leading U.S. labor historians from State University of New York, Binghamton. Altogether, more than a hundred scholars participated in the conference, while another 250 paid to attend some part of the sessions. Department members who took part in the conference include Steven Kramer, "Belgian Socialists and the Labor Movement;" Richard Etulain, who chaired a panel entitled "The Cowman and Sheepherder as Workers;" David Maciel, who chaired a panel called "Mexican

Labor in the United States: Recent Perspectives;" Benay Blend, who gave a paper entitled "Samuel R. Tankersly and Local 249A: A Black Labor Leader in Dallas;" Jane Slaughter, who chaired a discussion of the film, "The Willmar 8;" Noel Pugach, who chaired a panel entitled "U.S. Foreign Policy and Labor;" Richard Ellis, who chaired a panel on New Mexico Labor History; Michael Casillas, who gave a paper on the same panel entitled "The Carlsbad Potash Strike;" Donald Cutter, who chaired a panel called "Western Railway Workers;" and Art Gomez, who gave a paper on the same panel entitled "Mexican Labor and the American Railroad, 1880-1910."

Robert Kern and David Maciel were elected to the executive committee of the Southwestern Labor Studies Conference for a 1982-84 term.

- g. Professors Robert Kern and David Maciel received a \$90,000 grant from the Carpenters' Union and the NMHC to compile a history of the Carpenters' Union in New Mexico. They will be principal investigators for the project which will include an interdisciplinary team of six other UNM professors, including Drs. Noel Pugach and Steven Kramer, history; and others from sociology and economics.

- h. Research Associate Professor, John Kessell, 720 was awarded a \$20,000 fellowship from the John Simon Guggenheim Memorial Foundation to edit the journals of Diego de Vargas, a Spanish colonial governor of New Mexico. He also received additional funds from the National Historical Publications and Records Commission to develop a multi-volume edition of the de Vargas journals.
- i. Professor Charles McClelland was awarded the prestigious Alexander von Humboldt Fellowship. He will conduct research in 1982 in Germany on the rise of modern professional organizations and their influence of German higher education from 1850 to 1933.
- j. Dr. Gerald D. Nash was awarded a grant as Senior Fellow of the National Endowment for the Humanities for 1981 for research on a book dealing with the impact of World War II on the American West.
- k. Professor William M. Dabney was named "Outstanding Graduate Teacher of the Year" by a committee of faculty and students, receiving a \$1,000 award.
1. During the months of September and October the history department, the New Mexico Humanities Council, the Democratic and Republican parties of Bernalillo county, and the local

721 Anderson campaign organization sponsored a series of programs presenting different aspects of vital issues in American policy as they concerned election issues. Professor Steven Kramer coordinated the program and History professors Frank Ikle, Gerald Nash, Richard Robbins and Janet Roebuck also participated in the series of public lectures and discussions.

m. Dr. Morris E. Opler, noted anthropologist of the New Mexico Apache Tribes, was a guest lecturer in the Department on June 30, 1980. He discussed the changes in Apache society since his first studies in the 1930s.

n. On January 22 Dr. Ralph Kaplan, newspaper columnist and International Affairs Director for Station KIEV in Los Angeles, gave a public lecture in the Department multi-purpose room on "The Schizophrenic Middle East."

o. Dick West addressed Professor Richard Ellis' "American Indian History" classes on "The Cheyenne Indian Culture" on November 3.

p. Johan von Bonsdorff, editor of the Finnish weekly Ny Tid and city councilor of Helsinki, gave a guest lecture on "Politics and Foreign Relations in Finland since World War II" in October, 1980. It was sponsored jointly by the Department of History and the European Studies Program, with funding assistance from

the Council for European Studies, New York. 722

Mr. von Bonsdorff was also a temporary delegate from Finland to the U.N. in the fall of 1980.

- q. On October 18 approximately 40 parents and faculty met informally in the History Department multi-purpose room for Parent's Day. They listened to a series of mini-lectures by Professor Frank Wozniak on "The Roman Fortresses in Greece" and Professor Charlie Steen on "Fontainebleau and Hampton Court."
- r. An informal get together for history undergraduate students was held on April 6. Approximately 50 students and faculty attended.

4. Honors

- a. The Phi Alpha Theta International History Honorary Society's William M. Dabney Award for the best graduate student paper read at a Phi Alpha Theta Conference was awarded to Michael Casillas.
- b. Cheryl Foote received the France V. Scholes Memorial Award.
- c. A Graduate Tuition Fellowship was awarded to Ernest Boaten.
- d. Ph.D. candidate, Jack August, was awarded the Dorothy Woodward Memorial Fellowship to aid in research on his dissertation in Southwestern History.

e. The Charles Florus Coan Award for the graduating senior with the highest GPA was awarded to Gregory Gahan.

f. Roderick Juarez was the recipient of the Grunsfeld Award.

5. Teaching Positions Held by 1980-81 Ph.D. Graduates:

a. Kirk Kite, West Texas State University

C. Appointments to Staff

1. Visiting or Part-time appointments

a. Anne Boylan, Visiting Assistant Professor, U.S. Survey and Family History, academic year 1980-81.

b. John J. Johnson, Professor, (Part-time); Editor, Hispanic American Historical Review, Latin American History, academic year 1980-81.

c. Daniel Morrison, Visiting Assistant Professor, replacing Richard Robbins on leave, Russian History, Semester II, 1981.

d. Professors Donald Cutter and Richard Ellis taught the History of New Mexico and American Indian History at the Santa Fe Graduate Center.

2. Assistant Chairman, 1980-81:

Professor Charlie Steen

3. New Staff:

a. Yolanda Martinez, Staff secretary, replacing Janna Bryson, August 12, 1980.

- b. Avis Trujillo promoted from Clerical Specialist III to Clerical Specialist IV.
- c. Yolanda Martinez promoted from Clerical Specialist IV to Clerical Specialist V.

Promotions:

Charles McClelland to Full Professor
Steven Kramer to Associate Professor
Michael Conniff to Associate Professor

Tenure:

Michael Conniff
Steven Kramer

D. Separation from Staff:

Frank Wozniak

E. Sponsored Research

The Department had to base its computations on an incomplete response from History faculty. (The request for information concerning proposals submitted reached this office two weeks after the end of the semester when faculty were not available).

1. Six faculty (22% submitted 22 proposals).
2. Of the six faculty submitting proposals, eight obtained awards (36%), 18% of the current faculty.

II. Composite of information requested on individual biographical supplements: (period January 1, 1980 to December 31, 1980.)

1. ADVANCED STUDY

LIEUWEN, EDWIN Research, Jan. 1980, Mexico City, Colegio de Mejico. Research, Aug. 1980, Bancroft Library, Berkeley, California.

2. SABBATICALS, SUMMER TEACHING, TRAVEL, ETC.

CONNIFF, Michael L. Research abroad: 4 weeks in Brazil, 1 week in Barbados

CUTTER, DONALD C. Travel to England, France and Spain in connection with proposed museum exhibit on The Cartography of the Spanish Southwest being developed by Museum of New Mexico.

ETULAIN, Richard W. Research trip: July 1, 1980-Aug. 15, 1980. Research at Utah State University, Logan, Utah; University of Oregon, Eugene; Stanford University, Palo Alto, Calif.; and Huntington Library, San Marino, Calif.

IKLE, Frank W. Participant in Taos German and French Language School, July. Gave four talks on Swiss culture and economics.

KERN, Robert Summer lectures at Universities of Saskatchewan and Edmonton. Sabbatical, semester 1, 1980.

KOLCHIN, Peter Leave of absence, Spring semester 1980.

KRAMER, Steven P. Co-Director, French Summer School, where also taught 14 June-17 July. RAC grant for research in France 20 July-20 August.

McCLELLAND, Charles Research trip to West Germany, June-August..

NASH, Gerald D. Leave of absence, Semester I, 1980.

PORTER, Jonathan Sabbatical leave, Semester 1, Fall 1980.

- PUGACH, Noel H. Research trip to the Dwight D. Eisenhower Presidential Library, Abilene, Kansas, July 1980.
- ROBBINS, Richard G. Travel to Washington D.C. for purpose of research.
- SPIDLE, Jake W. Spring, 1980 leave (Intergovernmental Personnel Act appointment to U.S. Air Force Weapons Laboratory)
- SULLIVAN, Donald Sabbatical leave, Fall Semester. Research at University of Texas-Austin and University of Colorado-Boulder.
- SZASZ, Ferenc. M. Sabbatical leave, Spring of 1980 for research on religion in the American West, 1865-1920.
- WOZNIAK, Frank E. Research trip to Greece: field survey for Late Roman fortifications in Epirus.

3. NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

- CONNIFF, Michael L. Tinker Foundation/UNM Latin American institute grant for summer research. Fulbright fellowship for research in Panama during spring semester 1981. Presidential recognition for outreach program support at UNM.
- CUTTER, Donald C. Extension of project for "Museum exhibits reflecting the persistence of the Spanish Cultural Heritage in the Southwest" under the Treaty of Friendship and Cooperation between Spain and the U.S.
- DABNEY, William H. Named graduate teacher of the year, 1980.
- ETULAIN, Richard W. Fellowship: American Philosophical Society Grant, 1980-81. Research grant: UNM Research Allocation Committee, 2 grants.
- KERN, Robert National Endowment of the Humanities Council Grant, plus matching fundings from the United Federation of Carpenters and Joiners (\$90,000).

KERN, Robert continued

Elected president of the UNM chapter of the American Association of University Professors (AAUP).

KOLCHIN, Peter

John Simon Guggenheim Memorial Foundation Fellowship, 1979-80.

MACIEL, David

Faculty Research Fellowship, 1980-81.

McCLELLAND, Charles E.

Awarded Study Visit Fellowship by German Academic Exchange Service, Summer 1980. Awarded travel funding from UNM Research Allocations Committee. Notified of award of 12-month Fellowship of Alexander von Humboldt Foundation to study in Germany.

Pugach, Noel H.

Wisconsin State Historical Society Award of Merit for book, Paul S. Reinsch: Open Door Diplomat in Action (Millwood, NY) KTO Press, 1979).

ROBBINS, Richard G. Jr.

Fulbright-Hays Fellowship for Faculty Research Abroad for study in USSR Spring 1981.

ROEBUCK, Janet

Regents Meritorious Service Medal 1980.

SLAUGHTER M. Jane

Participant, NEH Summer Seminar on "Mediterranean Communism," Rome, Italy, June 15-Aug. 8, 1980.

4. PUBLICATIONS

BOOKS

ETULAIN, Richard W.

ed. The American Literary West. Manhattan, Kan.: Sunflower U. Press, 1980.

ed. Special issues of journals, "Cultural History of the American West." Journal American Culture 3 (Summer 1980): 268-406.

Guest ed. "Western American Literature." Idaho Humanities Forum (Winter 1980-81). A collection.

JOHNSON, John J.

Latin America in Caricature, University of Texas Press, 1980, 330 pp.

LIEUWEN, Edwin

Militarismo Mexicano in press, Premia, SA, Mexico DF, 240 pp. 1980 (or 81). Mexican Militarism, publication contract, Greenwood Press, Westport, Conn. (revised, updated version of 1969 book, to be published in 1981).

MACIEL, David

Ignacio Ramirez: Ideologo del liberalismo social en Mexico. Mexico: UNAM, 1980

McCLELLAND, Charles E.

Postwar German Culture with S. P. Scher, reprint edition (Bloomington: U. of Indiana Press).

NASH, Gerald D.

Issues in American Economic History, D. C. Heath.

RABINOWITZ, Howard N.

Race Relations in the Urban South, 1865-1890 with a new foreword by C. Vann Woodward (University of Illinois Press, 1980; paperback edition of 1978 volume published by Oxford University Press).

ARTICLES

BERTHOLD, Richard H.

"Fourth Century Rhodes", Historia 29 (1980) 32-49.

BOYLAN, Anne M.

"The Family of Woman," Reviews in American History, 3 (December, 1975).
"Presbyterians and Sunday Schools in Philadelphia, 1800-1824," Journal of Presbyterian History (Winter 1980).

CUTTER, Donald C.

"Legacy of a Spanish Explorer" in Popular Archaeology, Vol. 9, No. 1-2, pp. 3-6 (1980). "The Spanish in Hawaii: Gaytan to Marin" in Hawaiian Journal of History, (Honolulu, 1980).

ETULAIN, Richard W.

"Introduction," "Western American Literature: The Colonial Era," "Western American Literary History...." Journal of the West 19 (January 1980): 3-5, 6-8, 71-73.

IKLE, Frank W.

"The Humanities in a Post-Industrial Society: Japan", Halcyon Winter 1979-80.

KOLCHIN, Peter

"In Defense of Servitude: American Proslavery and Russian Proserfdom Arguments, 1760-1860," American Historical Review, LXXV (Oct. 1980), 809-827.

KRAMER, Steven P.

"L'Universite americaine" in Quinzaine Litteraire, 1-15 August pp. 18-19.

LIEUWEN, Edwin

"Venezuela, History of" (13000 words), Encyclopedia Britannica, 1980.

MACIEL, David

"Aztlán en México: Perspectivas Mexicanas del Chicano," Aztlán XI: I Spring, 1980, pp. 132-136.

NASH, Gerald D.

"The Census of 1890 and the Closing of the Frontier," in Pacific Northwest Quarterly, July 1980; "California and Its Historians," in Pacific Historical Review, 1980 (late).

PORTER, Jonathan

"The Social Structure of Scientific Activity in China, ca 1600-1900," Journal of Asian Affairs V, 2 (Fall 1980), pp. 34-61.

RABINOWITZ, Howard N.

Review Article: "Writing Jewish Community History," American Jewish History, LXX (September 1980), 119-27.

ROBBINS, Richard G., Jr.

"Choosing the Russian Governors: The Professionalization of the Gubernatorial Corps," The Slavonic and East European Review, LVIII, No. 4, (October, 1980), 541-560.

SLAUGHTER, H. Jane

"Elizabeth Gurley Flynn," in L. Mainiero (ed.) American Women Writers, II (P. Ungar Pub., 1980), pp. 56-53.

SZASZ, Ferenc M.

"The Loss of Biblical Imagery," The St. Croix Review XIII (Feb., 1980), 33-35. "Daniel Webster--Architect of America's 'Civil Religion,'" Historical New Hampshire XXIV (Fall-Winter, 1979), 223-243.

WOZNIAK, Frank E.

"A Field Survey for Late Roman Fortifications in Epirus," Newsletter of the American School of Classical Studies at Athens, Fall, 1980, pp. 4-5.

REVIEWS

BAKEWELL, Peter J.

M.F. Lang, El monopolio estatal del mercurio en el Mexico colonial, 1550-1710 (Mexico City, 1977) in Hispanic American Historical Review, 60:3, pp. 492-3. G. J. Walker, Spanish Politics and Imperial Trade, 1700-1789 (Bloomington, 1979) in Journal of Economic History, 40:3, pp. 628-9. Charles F. Nunn, Foreign Immigrants in Early Bourbon Mexico, 1700-1760 (Cambridge, 1979) and William B. Taylor, Drinking, Homicide and Rebellion in Colonial Mexican Villages (Stanford, 1979) - both these in Social History (University of Hull, UK) - no bibliographical detail available. Both reviews were submitted in January 1980.

BOYLAN, Anne H.

Gerald Knoff, The World Sunday School Movement in The Catholic Historical Review (July, 1980).

CONNIFF, Michael L.

Populismo na politica brasileira, by Francisco Weffort, in Hispanic American Historical Review, 60:1 (Feb. 1980), 154-5.

Brazil: a Political Analysis, by Peter Flynn, in Modern Languages Journal, 64:3 (Autumn 1980), p. 382.

CUTTER, Donald C.

Seven book reviews in historical journals.

IKLE, Frank W.

The Extraordinary Envoy: General Hiroshi Oshima and Diplomacy in the Third Reich by Carl Boyd. Monumenta Nipponica, XXXV, 4, Winter 1980, p. 504-05.

KOLCHIN, Peter

Dwight B. Billings, Jr., Planters and the Making of a 'New South': Class, Politics, and Development in North Carolina, 1865-1900 (University of North Carolina Press, 1979), in Agricultural History (Jan. 1980), 252-254.

Paul D. Escott, Slavery Remembered: A Record of Twentieth-Century Slave Narratives (University of North Carolina Press, 1979), in Florida Historical Quarterly (July 1980), 104-107.

KOLCHIN, Peter contd.

John Chester Miller, The Wolf by the Ears: Thomas Jefferson and Slavery (New York: The Free Press, 1977), in Southern Studies (Fall, 1979) (published in 1980), 363-365. Donald G. Nieman, The Freedmen's Bureau and the Legal Rights of Blacks, 1865-1868 (KTO Press, 1979), in The Historian.

KRAMER, Steven P.

"The Culture of Narcissism," Century, 19 November, pp. 29-30.

MCCLELLAND, Charles E.

Leonard Krieger's Ranke (American Historical Review 84), 1335-6; Karl R. Popper, Ausgangspunkte: Meine Intellektuelle Entwicklung (German Studies Review, 3); Josef Hoffmann, Journalist in Republik, Diktatur Und Besatzungszeit (German Studies Review, III), 157.

NASH, Gerald D.

A.H. Morgan, Robert S. Kerr: The Senate Years, (Norman: University of Oklahoma Press, 1977) in Pacific Historical Review, Vol LXIX, No. 2 (May 1980) p. 395; James M. Smallwood, An Oklahoma Adventure: Of Banks and Bankers, (Norman: University of Oklahoma Press, for the Oklahoma Heritage Association, 1979) in The American Historical Review, Vol. 85, No. 5 (December 1980), p. 1273.

PORTER, Jonathan

Thomas L. Kennedy, The Arms of Kiangnan: Modernization in the Chinese Ordnance Industry, 1860-1895, American Historical Review Feb. 1980, p. 192.

RABINOWITZ, Howard N.

Eugene J. Watts, The Social Bases of City Politics: Atlanta, 1865-1903, American Studies, XX (Fall 1979), 102; I.A. Newby, The South: A History, The Register of the Kentucky Historical Society, 78 (Winter 1980), 70-72; Norman Crockett, The Black Towns, Wisconsin Magazine of History, 63 (Summer 1980), 330-31.

ROEBUCK, Janet

W.A. Aschenbaum, Old Age in the New Land, for Journal of Social History, December, 1980; J. H. Trelle, Urban Poverty in Britain, 1830-1916, for Journal of Interdisciplinary History.

SLAUGHTER, M. Jane

Social Science Journal, April 1980.
pp. 106-07.

SPIDLE, Jake W.

Gerald W. Hartwig & K. David Pater-
son (eds.), Disease in African
History in Journal of History of
Medicine, 37 (1980, #1), 106-07;
Arnold Krammer, Nazi Prisoners of
War in America in Military Affairs,
44 (1980, #1), 49-50.5. OTHER RESEARCH PROJECTS OR CREATIVE WORKS IN PROGRESS

BAKEWELL, Peter J.

Book on silver mining in Potosi
(Bolivia), 1545-1600.

BERTHOLD, Richard M.

Definitive history of ancient Rhodes
completed.

BOYLAN, Anne M.

Continuing research on women's
organizations in the U. S., 1790-
1840.

CONNIFF, Michael L.

Continue research on West Indian
blacks in Panama, 1914-1980.
Fulbright, Jan.-June 1980, approx.
\$10,000.

CUTTER, Donald C.

Consultant for International Exhi-
bition "The Age of Carlos III and
of the Enlightenment in Spain and
New Spain" for Santa Barbara Museum
and NEH. Consultant ENHU multi-
cultural Program, School of Education.

DABNEY, William M.

article on William Henry Drayton,
for American Writers Before 1900
(eds. J. A. Levernier and Douglas
Wilmes) to be published by Greenwood
Press; work on index (not completed)
for manuscript to be entitled The
Silver Sextant: Four Men of the
Enlightenment, by B. P. Dabney.

ETULAIN, Richard W.

"Frontier, Region, and Myth: Changing
Interpretations to Western Cultural
History." Journal of American Cul-
ture 3 (Summer 1980): 263-84. "Main
Currents on Modern Western Literature."
Journal American Culture 3 (Summer
1980): 374-88. And four other essays
in Idaho Humanities Forum (2) Mid-
west Review, and Intro. to reprinting
of A.B. Guthrie's The Big It (Boston,
1980), pp. v-x.

Dr. IKLE, Frank

KERN, Robert

KOLCHIN, Peter

KRAMER, Steven P.

LIEUWEN, Edwin

MACIEL, David

McCLELLAND, Charles E.

Research on the role of women in Japanese History. Abstractor for CLIO, of Monumenta Nipponica. Reviewer of Grant programs, National Endowment for the Humanities.

(With Jane Slaughter). European Women on the Left (Greenwood Press, 1981). 28,000 words in James Cortada (ed.), The Spanish Civil War Dictionary (Greenwood Press, 1981). Editor, A Labor History of New Mexico (UNM Press, 1972).

Continuing research for comparative study of American slavery and Russian serfdom.

Work on Introduction to History of European Law, for which grant in \$2 was given.

Biography of Alvaro Obregon of Mexico, 1880-1928 (in progress). Venezuelan Oil Policy--in preparation for book and AHA program for 1981.

"Del Pocho, al bracero, al chicano: Perspectives on the Chicano in the Contemporary Mexican Cinema" in Popular Culture in Mexico and the U. S. Southwest, Linda B. Hall (ed.) San Antonio: Trinity University Press (in press) "Mexican Migrant Workers in the United States" in American Labor in the Southwest: The First 100 years, James C. Foster (ed.) Tucson: University of Arizona Press (in press).

"Professionalization and Higher Education in Germany, 1860-1930 (chapter), in Konrad Jarausch (ed.), Education and Society in Europe, 1860-1930 (Stuttgart: Klett, forthcoming): "The Wise Man's Burden: Academic Culture in Imperial Germany," (chapter), in German Culture, 1870-1914 (Austin: University of Texas Press, forthcoming); "German Higher Education," in Structural Change and Social Reproduction in Europe, 1870-1920, ed. by Detlef Muller et al., forthcoming. Major

McClelland contd.

work in progress: a book length manuscript on the rise of learned professions in Germany.

NASH, Gerald D.

Engaged in research on two books dealing with the influence of World War II on the American West, both under contract with university press.

PORTER, Jonathan

Book on Chinese landscape and historical monuments and places. Research on the social history of Chinese science, 1600-1900.

PUGACH, Noel H.

Studies on the China Arms Embargo, Sino-American Banking and Eisenhower East Asian Policy in progress.

RABINOWITZ, Howard N.

Completed two essays, "From Dunningites to Rehabilitationists: The Changing Image of Black Reconstructionists," and "The Rise and Fall of a Local Black Politician and Race Leader: Holland Thompson and Black Political Participation in Montgomery, Alabama," which will be published by University of Illinois Press in a collection of original essays entitled, Beyond Rehabilitation: Southern Black Political Leaders and the Meaning of Reconstruction (Editing); finished editing the contributions to the black leaders anthology; wrote a review article on the urban West and several book reviews. Continued research for a book on Albuquerque and Sunbelt urbanization 1940-1974. Continued background reading and research for a book on the New South 1877-1920 to be published by AHM Press.

ROBBINS, Richard G., Jr.

Continuing to work on a monograph on Russian Provincial Governors at the end of the XIX c.

ROBERTS, William R.

Co-editor and contributor to a book under contract with Greenwood Press, Over the Ramparts, a collection of essays in naval history. Work in progress--Loyalty and Expertise: The Transformation of the Nineteenth-Century American General Staff and the Creation of the Modern Military Establishment.

SLAUGHTER, M. Jane

Contributions to J. W. Cortada (ed.) Dictionary of the Spanish Civil War (Greenwood, forthcoming). Completion of book manuscript with co-editor Robert Kern, European Women on the Left (Greenwood, forthcoming Aug. 1981). Research for monograph on Italian Women in the Resistance while in Rome, Summer 1980.

SKABELUND, Donald

Prepared for expansion of History 329--History of Christianity--into two courses: History 305, History of Christianity to the Reformation, and History 306, History of Christianity Since the Reformation.

SPIDLE, Jake W.

Completed (first draft) Volume I of "History of United States Air Force High Energy Laser Research Program" for USAF Weapons Laboratory. Continued research and writing of a monograph on German colonial service. Began basic research into the history and development of the American thoroughbred racing industry.

STEEN, Charlie R.

Continued research into the period of Margaret of Parma's Regency in the Netherlands, concentrating on gathering and translating Walloon and Flemish memoirs of the period (1550-1580).

SULLIVAN, Donald

Continuing historiographical study of ending of the Middle Ages; completed article on late medieval reform concepts.

SZASZ, Ferenc M.

"Woodrow Wilson as Tragic Hero," Halcyon: A Journal of the Humanities (1980), 67-78.

WOZNIAK, Frank E.

Began collaboration with Professor Peter Soustal, "Osterreichische Akademie der Wissenschaften, (Vienna, Austria) on an historical geography of Byzantine Epirus for the series Tabula Imperii Byzantini.

6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

BAKEWELL, Peter J.

Attended annual meeting of American Historical Association, 27-30 December 1980. There chaired and commented in session 'Colonial elites and the crisis of the 17th century in Spanish America'. Attended 28th annual meeting of Rocky Mountain Conference on Latin American Studies, Santa Fe, NM, 4 April 1980 to comment in session 'Social history of colonial Spanish America'.

BERTHOLD, Richard M.

Lecture to Phi Alpha Theta on "Professionalism".

CONNIFF, Michael L.

Organized session "The Brazilian 1930 Revolution Revisited," for Western Social Science Association meeting, Albuquerque, April 1980 and presented paper "Recent issues in tenentismo and military History." Panelist on Brazil for UNM-NMSU joint conference on Latin America, 8 March 1980. Speaker for Luso-Brazilian Club, 6 November 1980: "Recent Research on Brazilian Race Relations". Speaker for Latin American Institute, 3 December 1980: "West Indian Blacks in Panama."

CUTTER, Donald C.

Attended Western Historical Association annual conference, Kansas City.

DABNEY, William M.

Compiled membership and research roster for the Society for Historians of the Early American Republic.

ETULAIN, Richard W.

Papers read at Western State College, Gunnison, Colorado, April 1980; New Mexico Historical Society, Roswell, April 1980; Western Social Science Conference, Albuquerque, April 1980; Texas A&M, May 1980; Colorado Historical Society, Denver, Colorado, November, 1980.

IKLE, Frank W.

June, Asian Studies on the Pacific Coast meeting, Hayward State University, California. Gave paper on "The Humanities in a Post-Industrial Society: Japan."

IKLE, Frank W. contd.

October, Western Conference of Asian Studies meeting, Salt Lake City, Utah. Gave paper on "The role of women in Japanese History, a paradox." October, Invited to participate as Guest of the US Air Force Academy meeting in Colorado Springs on the symposium pertaining to the U.S. Military in the Far East.

JOHNSON, John J.

American Historical Association, Washington, D.C. December 27-30, 1980, Chaired session on Military in Spanish America in the Late Colonial Era.

KERN, Robert

Organized, chaired and commented on a panel entitled "Iberia in the 18th Century," at The Eighteenth Century Society, Albuquerque, NM, March 6, 1980; gave paper entitled "New Mexico Labor History: An Overview, 1880-1980," at the New Mexico Historical Society, April 4, 1980, Roswell, NM; Gave paper entitled "Twentieth Century Spanish Anarchism" at the Society for Spanish and Portuguese Historical Studies, New York City, April 19, 1980. Gave paper entitled "Spanish Socialism since 1931" at the Rocky Mountain Social Science Conference, Albuquerque, NM, April 26, 1980.

KOLCHIN, Peter

Attended Southern Historical Association convention, November 1980.

KRAMER, Steven P.

Western Social Science Association, April 1980, paper, "The Decline of Belgian Socialism"; Western Society for French History, Chair and Commentator, "Caricature as a Mirror of French Society;" South Central Society for 19th Century Studies, commentator on two panels.

LIEUWEN, Edwin

March 1980--Mexico Week, UMH, Chaired Panel session. April 1980--attended Rocky Mountain Conference on Latin American Studies. December 1980--Attended American Historical Association meetings in Washington DC.

MACIEL, David

Member of Hispanic Task Force for Latin American Studies Association, Read papers at Latin American Studies Association, Pacific Coast Council on Latin American Studies, Seminar on Mexican Undocumented workers in the United States.

MCCLELLAND, Charles E.

Papers read at annual meetings of American Society of Eighteenth-Century Studies (San Francisco) and Western Society for German Studies (Wichita, Kansas).

NASH, Gerald D.

April 10: Chaired session on 20th Century politics at the Western Social Science Association meeting in Albuquerque; May 10-13: Chaired a session on Southwest Agricultural Politics at the Agricultural Symposium, sponsored by the U.S. Department of Agriculture and Texas A&M University at College Station; October 13-16: attended the Western History Association meetings in Kansas City, Missouri where served as commentator on a session dealing with World War II and industry in the Pacific Northwest and also chaired a session on Southwest Indians; November 14: read a paper "Morton Keller's Affairs of State: An Economic View," at the Southern History Association meeting in Atlanta, Georgia; December 30: participated in the American Historical Association Editors Roundtable meetings as editor of The Historian.

PORTER, Jonathan

Paper read: "Historical Monuments and Sites in the People's Republic of China," Western Conference, Association for Asian Studies, Salt Lake City, 10 October 1980.

PUGACH, Noel H.

Member, Board of Editors, Pacific Historical Review. Member, Stuart Bernath Best Article in Diplomatic History Committee, Society of Historians of American Foreign Relations.

RABINOWITZ, Howard W.

"The New Black Urban History," a comment presented at the Southern Historical Association convention, Atlanta, Georgia, November, 1980; appointed to the Board of Editors of the Journal of Southern History; attended Organization of American Historians convention, San Francisco, California, April 1980.

ROBBINS, Richard G., Jr.

Attended Convention of the American Association for the Advancement of Slavic Studies, November 1980, Read paper entitled "It Comes with the Territory: the Burdens and Frustrations of a Russian Governorship."

ROEBUCK, Janet

Paper "Private Right or Public Duty?: English Approaches to Health Care," for series on election issues 1980, New Mexico Humanities Council. Keynote Address, "Aging is a Women's Issue: An Historical Perspective," for Conference on Women Aging, Albuquerque, November 1980.

SLAUGHTER, M. Jane

Western Social Science Association, Conference, Albuquerque, April 1980, Commentator, "Women and the Labor Movement in the U.S." Inter University Seminar on Armed Forces and Society, Symposium, Women in Combat, University of Chicago, October 1980, presented paper on "Women and the Resistance in Italy."

SPIDLE, Jake W.

UNM Medical School "Year of the Child" Symposium, 13 January 1980--read a paper, "The Death of Children: An Historical Perspective." Sandia National Laboratories Colloquium, 5 March 1980--read a paper, "Origins of Laser Work at the Weapons Lab."

STEEN, Charlie R.

Assisted in preparations for the regional meeting of the Eighteenth Century Society.

SULLIVAN, Donald

Member, Executive Committee, Rocky Mountain Medieval and Renaissance Association.

SZASZ, Ferenc M.

Organized and coordinated a session on "Religion in American Life" at the Missouri Valley Historical Association at Omaha, Spring, 1980, presented a paper entitled "American Protestantism at the Turn of the Century."

WOZNIAK, Frank E.

"Late Roman/Early Byzantine Fortifications in Epirus Vetus," October 24-26, 1980.

7. OTHER PROFESSIONAL ACTIVITIES

BAKEWELL, Peter J.

Associate Editor, Hispanic American Historical Review, July 1980--.

BOYLAN, Anne M.

Introduced a new course, "The Family in American History," Spring, 1980.

CUTTER, Donald C.

Spoke at following places: Annual History Banquet, EMU, Portales; University of Oklahoma; Cameron University; Oklahoma City University; H.C. Pender Distinguished Lecturer at Central State University (2 lectures); Sons of the Confederacy, Duncan, OK; Phi Alpha Theta, NMSU; KOB-TV: KENW TV 3; KZZM radio.

DABNEY, William M.

Talks to two civic groups.

ETULAIN, Richard W.

Attended professional meetings in Roswell, NM; St. Louis, Missouri; Kansas City, Missouri; Denver, Colorado. Serve on editorial boards of Pacific Historical Review, Rendezvous, Western Historical Quarterly, Great Plains Quarterly, Journal of the West, and Idaho Yesterdays.

IKLE, Frank W.

January: Talk at UNM on Japan's Energy Problems, in conjunction with donation of Japanese library materials to UNM. April: 2 talks on context of "Japan in Albuquerque" program. October: Talk on "The Mideast Crisis: Historical Perspectives," as part of the 1980 Elections issues program.

KERN, Robert

Consultancy to the Carpenters' Union, fall 1980. Numerous off-campus talks.

- KERN, Robert continued. Made Program chairman of the South-western Labor Studies 1981 meeting and elected to organization's board of directors. Founding member of the Albuquerque Labor Center.
- KOLCHIN, Peter
Reader for Louisiana State University Press. On membership committee of Southern Historical Association.
- KRAHER, Steven P.
Editor, Low Countries Newsletter, published first number under this editorship. Project Director and participant, NMHC program, "Election Issues 1980" (six panels).
- LIEUWEN, Edwin
Board of Editors, World Affairs Report, Stanford.
- MACIEL, David
Talks on somos Bilingues Radio and T.V.; Pan-American Club; Durango Bicentennial Reviewer for NEH, Aztlan, Hispanic Journal of Behavioral Sciences, New Mexico Historical Review.
- MCCLELLAND, Charles E.
Walter Prescott Webb Memorial Lecture, University of Texas; lecture to UNM German Summer School in Taos; lectures at the universities of Bochum, Bielefeld, and Munich (Germany); radio talk on "Dependency in History," KUNM; consultant to Princeton University Press.
- NASH, Gerald D.
Consultant to National Endowment for the Humanities; Consultant to Princeton University Press; April 7: spoke at an energy symposium at Winrock Center, Albuquerque, on "Perspective on Energy"; May 8: gave the principal address on "America's Energy Past" at the Faculty Symposium sponsored by the Atlantic Richfield Co., in Denver, Colorado; May 12: collaborated on the community action program to involve Albuquerque business people with the humanities by the Humanities Council; September 11-14: addressed a symposium on "Energy and Values" held at Kirtland Air Force Base in Albuquerque, sponsored by the U.S. Air Force and the New Mexico Humanities Council; October 14: participated in

NASH, Gerald D. continued the Election '80 series of the New Mexico Humanities Council with a talk on "Inflation in Historical Perspectives" again on October 21: on "Historical Perspectives on the Energy Crisis."

PORTER, Jonathan

Participant in panel "Children of Cambodia," sponsored by New Mexico Council on Crime and Delinquency, 29 March 1980. Reviewer for national NEH proposal.

PUGACH, Noel H.

Lecture: "US-Canadian Relations," Kiwanis, April 30, 1980; lecture: "US As a World Power: The Case of the Middle East," Rio Ranch Kiwanis, July 3, 1980; lecture: "Soviet-American Relations," Election Issues Forum, October 9, 1980; lecture: "The Presidential Election and the Middle East," B'nai Brith Men's Organization, November 12, 1980; talk on "Judaism", 6th Grade, Cleveland Mid-School, December 10, 1980; "US Confronts China," NW Optimists, December 11, 1980.

RABINOWITZ, Howard N.

Evaluated manuscripts for Prentice Hall, University of Nebraska Press, LSU Press, American Historical Review, Journal of Southern History, New Mexico Historical Review; Consultant: Educational Testing Service (reader American History Advanced Placement Examination Lawrenceville School, Lawrence, N.J.) June 1980; Evaluator for several divisions of the National Endowment for the Humanities.

ROBBINS, Richard G., Jr.

Acted as a reviewer of essays sent to The Slavic Review, and The Historian. Twice served as panelist for NEH publications division. Talk ("Securing the Revolution: The War of 1812") presented to the Daughters of the American Revolution, Lew Wallace Chapter, Oct. 18, 1980. Served as judge for National History Day Fair Competition, May, 1980.

ROBERTS, William R.

SLAUGHTER, M. Jane

White House Conference on the Family, Albuquerque meeting, March 1980, keynote speaker "Varied Approaches to Family History". National Women Studies Association, Regional Meeting, October 1980, Albuquerque, Panelist "Methodology and the Teaching of Women's Studies."

SKABELUND, Donald

Delivered colloquium lecture to Physics Department: "Quantification of Physics in the Thirteenth and Fourteenth Centuries."

SPIDLE, Jake W.

"Laser Research at the AFWL: a Twenty Years' Perspective," talk delivered to American Defense Preparedness Assn. meeting, 23 April 1980. "U.S. Government Involvement in Health Care," Election Issues 1980 Public Forum. "New Medical Technology: Some Historical Cautions," radio panel, 19 November 1980.

STEEN, Charlie R.

Creation of a new course in the cultural and institutional history of Early Modern Europe. Offered informally to graduate students as a proseminar, it will become a regular offering in 1991.

SZASZ, Ferenc M.

Two talks at Albuquerque High School on "Women in American Religion: the 19th Century," Fall, 1980.

B. NON-TEACHING UNIVERSITY SERVICE

BAKEWELL, Peter J.

Faculty adviser, Student Organization on Latin American Studies. Committees: History Department Curriculum Committee (all 1980); History Department Sabbatical Leave Committee (all 1980); Latin American Institute Academic Affairs sub-committee (all 1980); Latin American Institute building sub-committee (spring 1980) (chaired all these); Latin American Institute Policy (Fall 1980), History Department Language Exam coordinator (Spanish), Editorial Board, New Mexico Historical Review, Faculty Senate (Fall 1980).

CONNIFF, Michael L.

Chair, Faculty Library committee, 1979-80, 1980-81. Faculty senate member, 1979-80; Chair of program committee Latin American Institute 1979-80; Chair of Exchanges with South America, Caribbean, and Central America; member policy committee; History Department coordinator of History Day 1980.

CUTTER, Donald C.

Chairman, Board of Editors, New Mexico Historical Review; Chief Judge of Calvin Horn High School Historical Essay Contest.

DABNEY, William H.

Arts and Sciences Promotion Advisory Committee (chair); Arts and Sciences Tenure Advisory Committee; Faculty Ethics and Advisory Committee; participant in new student orientation, July 1980; greeter of parents, October 1980.

ETULAIN, Richard W.

Editor, New Mexico Historical Review; graduate committees of 12 graduate students; Chairman, Graduate Advisory Committee, History Department. Search committee History Department. National committee to evaluate future of historical editing in the United States.

IKLE, Frank

Chairman, Provost's Committee on Academic Exchanges with the People's Republic of China. Chairman, Committee on Copyrights and Patents, of Research Policy Committee. Member, Research Policy Committee. Member, Annual Research Lecture Committee of RPC. Member, Interdisciplinary Research Committee of RPC. Member, Asian Studies Committee. Member, History Department Committee on Sabbatical leaves. Secretary-Treasurer, "21 Club". Member, Dean's Promotion Committee.

JOHNSON, John J.

Managing Editor, Hispanic American Historical Review.

KERN, Robert

Elected member of the Faculty Senate. Member, Undergraduate Academic Affairs Committee. Member, Student

KERN, Robert continued

Standards and Grievance Committee. Chair, History Department Graduate Advisory Committee. Member, History Graduate Selection Committee.

KOLCHIN, Peter

Editor, History Department Newsletter (fall 1980). Member, History Department Graduate Advisory Committee (fall 1980).

KRAMER, Steven P.

Co-Director, French Summer School, UNM-Quebec cooperation project; Senate, Undergraduate Affairs Committee, special presidential committee to revise grievance policy; Honorary Degrees Committee.

LIEUWEN, Edwin

Chairperson of the following committees: A and S Tenure, A and S Deans Latin American Advisory, all-university Latin American Policy, Latin American Institute Budget; Committee--President, Latin American Concilium; Book Review Editor, Hispanic American Historical Review.

MACIEL, David

Acting Director of the Southwest Hispanic Research Institute, Member of four search committees. Elected to Faculty Senate. Member of three University committees.

MCCLELLAND, Charles E.

Chairman, European Studies Program. Member, Faculty Senate of UNM. Member, Faculty-Staff Welfare and Benefits Committee.

NASH, Gerald D.

Department Chair, Spring Semester 1980; Editor of The Historian.

PORTER, Jonathan

History Department Graduate Adviser. Member, History Department Graduate Entrance Committee (Chair). Member, University Curricula Committee.

PUGACH, Noel H.

Faculty Senate, A&S Graduate Committee. Chairman and Member, Research Allocations Committee to August 1980. History Department Library liaison to August 1980; member History Department Curriculum Committee.

RABINOWITZ, Howard W.

Department of History Graduate Advisory Committee (spring, fall 1980); Department of History Graduate Entrance Committee (fall 1980).

ROBBINS, Richard G., Jr.

Member Academic Freedom and Tenure Committee.

ROBERTS, William R.

Telephoned prospective UNM freshmen, spring 1980. Member, History Department Curriculum Committee (elective position), Sept. 1980 to present. Elected to Faculty Club Board, December 1980.

ROEBUCK, Janet

Chair, History Department; President, Faculty Senate (to Summer 1980); Search Committee for Dean of A & S; Provost's Committee on Gerontology Development; Admissions and Registrations Committee; Advisory Board of Women Studies Program; Ambassadors Program; Orientation Program.

SLAUGHTER, M. Jane

Women Studies Committee and Advisory Committee; American Studies Committee; Faculty Senator; Member, Executive Committee; Chair, Faculty Welfare and Benefits Committee; Chair, Athletic Council; Faculty Club Board; University Outreach Program; Parent's Day Greeter, UNM.

SKABELUND, Donad

History Department Salary Committee.

SPIDLE, Jake W.

Graduate Advisor, History Department (Fall 1980); A&S Graduate Affairs Committee (Fall 1980); Visiting Lecturers' Committee for the Humanities and Social Sciences, Chair (Spring 1980).

STEEN, Charlie R.

Assistant Chair, History Department; Undergraduate Advisor for History; represented the department in the U.C.F. drive, Parent's Day, and Senior Day.

SULLIVAN, Donald

Member, Executive Committee, A&S Religious Studies Committee. Judge, First National History Day (May 1980).

SZASZ, Ferenc H.

Member, Dean's Committee on Academic Policy and Curriculum.

9. PUBLIC SERVICE

CONNIFF, Michael L.

President, Spruce Park Neighborhood Association, 1979-80. Member of North Central Association evaluation team for Eldorado High, 28-29 February 1980. Lion's Club talk, 11 September 1980; Columbus Day talk, 12 October 1980.

CUTTER, Donald C.

Four lectures at Santa Fe Indian school; Evaluator for several programs of NEH; Consultant in History for 16th Air Force; MS evaluations for various presses, journals; evaluation for National History Publications Commission; NC Albuquerque Railroad Centennial Civic Celebration.

DABNEY, William H.

Lay reader, Episcopal Church.

ETULAIN, Richard W.

Church of the Nazarene, Albuquerque; teaching Sunday School class and serve on the church board.

IKLE, Frank W.

Chairman, Albuquerque Committee on Foreign Relations. Member, Board of Governors, Association of Southwestern Humanities Councils.

KRAMER, Steven P.

Executive Board, New Mexico Democratic Council, Chairman, Resolutions Committee; Member, Democratic Party, Bernalillo County Central Committee.

MCCLELLAND, Charles E.

Guest speaker on two occasions before Los Alamos German Club. Consultant and contributor, Century Magazine. Lecturer in NMHC public affairs program, "Election Issues 1980."

PUGACH, Noel H.

Chairman, Chavura Hebrew School Committee; President, Experiment in Jewish Learning.

RABINOWITZ, Howard N.

Vice Chairman, Albuquerque Landmarks and Urban Conservation Commission.

ROBBINS, Richard G., Jr.

Board Member, Downtown Neighborhoods Association. Board Member, Neighborhood Housing Services of Albuquerque.

SKABELUND, Donald

Conducted Sunday School Class in
L.D.S. (Mormon) Church History.

SPIDLE, Jake W.

Ruling Elder and Clerk of Session,
First United Presbyterian Church.

SZASZ, Ferenc M.

Talk to the Santa Fe Kiwanis Club,
February 14, 1930, "Myths about
Abraham Lincoln." Talk to the
Greater Library Association, Octo-
ber 30, 1930, "The New Mexico Mystery
Rock." Talk to the Rio Rancho
Exchange Club, January 14, 1931,
"Were There European Visitors Here
Before Columbus?"

WOZNIAK, Frank E.

Coach, Division 6, American Youth
Soccer Organization.

REPORT OF THE NEW MEXICO HISTORICAL REVIEW

July 1, 1980 - June 30, 1981

Richard W. Etulain, Editor

STAFF APPOINTMENTS

Fewer changes occurred on the REVIEW staff during the last year than in recent years. The editor completed his second year on the journal, Nancy Brown continues as secretary, and Annabelle Oczon finished her second year as our work-study student. Professors Donald Cutter and Richard Ellis have served respectively this year as chairman of the Board of Editors and book review editor.

The major change in staffing is in the position of assistant editor. Cheryl Foote, a doctoral student at UNM with considerable editorial experience, became assistant editor last fall and has now completed her first year on the REVIEW. Meanwhile, Darlis A. Miller (New Mexico State University) was named as a new member of the Board of Editors, and Harwood Hinton (University of Arizona) joined the Consulting Editors.

OTHER DEVELOPMENTS IN 1980-81

We have achieved two of the three goals the editor set at the beginning of the year. First, the journal has been on time during this year; and, second, I think we have put together stronger issues than appeared previously. We still need strong essays

that need less editing, but we have improved on the caliber of essays we are publishing.

We have not yet reached a third goal of increasing our circulation. We have tried to do so by sending out several mass mailings, by attending several historical meetings in the area, and by offering special offers to potential readers. None of these efforts, however, has jumped our circulation substantially. We shall continue these efforts and hope to utilize others that will gain a larger audience.

We have been able to plan two issues or so ahead in 1980-81, but we are surprised that the number of submissions has dropped off sharply. During 1979-80 we considered nearly 90 essays, but in 1980-81 that number dropped to about 30-35 submissions. Other journal editors have experienced something similar, but not to the same magnitude. We hope to push our submissions up to at least 50, this next year; by doing so we would be publishing about 1 out of 3 essays, rather than the 1 out of 2 ratio of this past year.

PROMOTIONAL EFFORTS

During the last year, all the professional staff--and some of the unpaid staff--have been involved in one way or another with promoting the REVIEW. Not only have we attended history meetings--sometimes at our own expense--to display our journal; we have also attended regional and local meetings of other

disciplines to promote the REVIEW. Nancy Brown, secretary and office manager, has been particularly active in this regard. The following list reveals the extend of our promotional efforts this past year.

Sales Efforts

Historical Society of New Mexico Conference, El Paso, Brown, Foote, Etulain, Schwegmann*, Cutter
 Archaeological Society of New Mexico Conference, Hobbs, Schwegmann
 New Mexico Library Association Conference, Albuquerque, Schwegmann
 Arizona Historical Society Conference, Phoenix, Brown
 New Mexico History Day, UNM, Etulain, Cutter, Brown, Schwegmann
 Mogollon Archaeological Conference, Portales, Schwegmann
 NEA Teachers Conference, Albuquerque, Schwegmann
 New Mexico State Fair, Brown, Schwegmann
 Rancho de Las Golondrinas, Santa Fe, Schwegmann
 Southwest Labor Conference, UNM, Etulain, Foote
 New Mexico Association of State and Local History Conference, Silver City, Schwegmann
 Western History Association, Kansas City, Etulain

*Schwegmann, former asst. editor, is not employed currently by the NMHR. He has aided the NMHR greatly through his work as Reprint Coordinator. ;

NMHR Material in Book Shops

Galeria de los Artesanos, Las Vegas
 Singing Wind Book Store, Tucson
 Tienda del Museo, Albuquerque Museum
 De la Pena Books, Santa Fe
 Kit Carson Museum Shop, Taos
 Bent Museum and Gallery, Taos
 Millicent Rogers Museum Shop, Taos
 Double K Books, El Paso
 Banta Books, Crawfordville, IN
 The Swift Lizard Express, Socorro
 El Paisano Books, Albuquerque
 Quivira Book Shop, Albuquerque

OTHER ACTIVITIES

In years past the REVIEW has tried to be a clearing house for other regional historical activities, and this was the case in 1980-81. We have helped to sponsor the Calvin Horn Scholarship Awards and we have been active in History Day activities. To help organize and promote these two activities we have done the following.

History Day

Reading of essay entries, Etulain, Ellis
Talk on New Mexico history, Cutter
Judging Coordinator, Brown
Judges, Bakewell, Schwegmann
Promotion from office and in the journal of events, winners
Awards, Jan Roebuck, Chair

Calvin Horn Contest

State-wide newspaper coverage of contest and winners
Preparation and distribution of contest posters and details to
all high school counselors, for school ambassador program,
senior day, high school packets and at events attended by
NMHR staff, including mass mailings to interested parties
Talks by Etulain, Las Vegas; Cutter, Las Cruces; Ellis, NEA
conference, Albuquerque
Coverage of contest in 1980-81 NMHR issues
Preparation and distribution of a handout summarizing the winners,
approaches to topics and a stylesheet for contest entrants
Judging of the papers at the NMHR
Contacting the winners, teachers, schools for visits, thanks you

The REVIEW has taken part in still other regional historical and cultural activities. Nancy has been particularly active in this regard, as have other members of the staff.

New Mexico Genealogical Society notice of NMHR articles

Campus News notices

Communique commentary

Howard Bryan column commentary

Regular releases to state newspapers, with assistance of
Frank Martinez, Public Information Office

Lobo notices

Talks at local community groups on New Mexico history, Cutter

Memberships local societies, Schwegmann, Brown

Mailings to state and national groups, including women's
research centers, ethnic research centers, genealogical
societies, law schools and lawyers, Albuquerque museum
supporters, El Palacio readers, and educators

Journal Exchange Program

Zimmerman Library Serials Department 121 copies of NMHR

ACTIVITIES OF THE ACADEMIC STAFF

Professional activities of the editor and the few
resident members of the REVIEW's Editorial Board--Professors
Bakewell, Cutter, Ellis and Chair Roebuck--are listed in
the annual report of the UNM History Department. All of
these Board members have been busy with research, writing,
and speaking activities--some in all three areas.

FUTURE PLANS

We plan to continue our recent improvements in being on
time and in attracting better essays. And we shall, I hope,
entice more subscribers this next year and gather in more essays.
In addition to these efforts, I shall continue two or three

other experiments.

Because we did well with a special issue of the REVIEW devoted to Albuquerque (July 1980), more special issues are planned. The January 1982 issue will be devoted to land grants and irrigation, and before long we hope to put out an issue on women in New Mexico and the Southwest. As we did with the Albuquerque issue, these two issues will carry brief bibliographies of materials dealing with the special topics covered in the essay. These helpful checklists, we hope, will augment the value of each of the special issues.

We have now carried two review essays in the two years since I took over the editorship of the REVIEW. More are planned for the future, especially when the publication of a notable book lends itself to expanded treatment. Review-essays, I am convinced, provide a useful bridge between essays and shorter reviews we carry in each issue of the journal.

Finally, costs continue to spiral, particularly printing costs, which have gone up 50% in the past two years. To offset, somewhat, these added expenses, the subscription cost of the REVIEW has been raised from \$8 to \$10. In addition, we shall likely benefit this next year from revenues coming to us when schools buy back issues of the REVIEW to fill in around the free issues received from the NMHR Reprint Program, which the state legislature recently funded. But this landfall is not likely to continue much beyond next year, and so we shall have to look for other revenue to cover sharply increasing printing costs.

THE GOAL OF THE NEW MEXICO HISTORICAL REVIEW IS PROMOTING A GREATER AWARENESS OF SOUTHWESTERN HISTORY. SINCE 1926, THE MAGAZINE HAS EMPHASIZED SPANISH COLONIZATION NORTH OF MEXICO CITY, THE PRE-1848 NORTHERN MEXICAN PROVINCES, THE TERRITORIAL AND STATEHOOD NEW MEXICAN ERAS, AND MATERIALS RELEVANT TO UNDERSTANDING THOSE PERIODS. THE REVIEW IS A PRIME SOURCE FOR WELL-RESEARCHED MANUSCRIPTS, DOCUMENTARY ANALYSIS, STATE HISTORY NEWS, AND REGIONAL BOOK REVIEWS.

NEW MEXICO HISTORICAL REVIEW

1013 MESA VISTA HALL
UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, NEW MEXICO 87131
PH: (505) 277-5839

Like the region it covers, the REVIEW is a mosaic of the experience of many cultures. Such topics as the effects of Anglo expansion on Mexican-Indian affairs, the struggle for women's rights, or the revival of Native American arts, all have a part in the New Mexico story. The NMHR presents this drama for educators, historians, curators, genealogists, and local history buffs.

REPRINTS

A BILL FROM THE NEW MEXICO LEGISLATURE HAS MADE AVAILABLE BACK STOCK OF THE REVIEW LONG OUT-OF-PRINT. THEY ARE \$4.00 EACH. AN INDEX AND MOST REGULAR BACK ISSUES ARE ALSO AVAILABLE. PUBLICATIONS OF THE HISTORICAL SOCIETY OF NEW MEXICO AND THE REMAINING OLD SANTA FE MAGAZINES CAN BE OBTAINED AT THE REVIEW OFFICE.

BACK ISSUES

REGULAR BACK ISSUES (\$3.00)

1926	5	2
1927	7	3
1928	8	3
1929	11	3
1930	12	2, 3
1931	13	2, 3
1932	14	2, 3
1933	15	2, 3
1934	19	2
1935	25	3
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1979	69	1, 2, 3
1980	70	1, 2, 3
1981	71	1, 2, 3



Design by
Elmer Martinez

IN SHORT SUPPLY (\$4.00)

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1981	71	1, 2, 3

* SPECIALLY PRICE LISTED BY SUBSCRIBER SERVICE
Dec '80, Apr '85, Apr '86, Oct '87, Jan '88, Oct '88
Jan '89, Apr '89, Jan '90

SUBSCRIPTIONS

ANNUAL SUBSCRIPTIONS TO THE REVIEW ARE \$10.00 A YEAR. MEMBERS OF THE HISTORICAL SOCIETY OF NEW MEXICO AND SEVERAL REGIONAL SOCIETIES HAVE DISCOUNT SUBSCRIPTIONS OF \$8.00. CHECK LOCALLY.

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OLD SANTA FE MAGAZINE
(\$7.50 each while available)
July 1911 V. 1 sold out
Oct. 1913 1 2
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INDEX TO N M HISTORICAL REVIEW
1926-70 FREE; 1971-80 \$4.00 each
1981-86 \$8.00
1987-90 \$8.00

Beyond 1970 inquiry of NMHR.

DEPARTMENT OF JOURNALISM

Annual Report, 1980-81

PERSONNEL

The deaths of Dr. Jim Crow, July 12, 1980, and Professor Margaret Hyman, April 15, 1981, were major professional and personal losses, reducing by one-third this department's total faculty.

Ivan Innerst was hired as a visiting assistant professor for the year, succeeding Dr. Crow. Professor Stuart Novins agreed to postpone his retirement one semester to help cover classes for Professor Tony Hillerman who was on sabbatical in the fall semester. Professors Bales, Hillerman and Lawrence covered classes for Professor Hyman from the seventh week on, in the spring semester, after her long illness required hospitalization. Professor Coates, on sabbatical for the academic year, was replaced by three adjunct professionals in Albuquerque news broadcasting positions: Janet Blair of KOAT-TV, Peter Clarke of KOB-TV and Robert Grossfeld of KOB radio.

The future looks better: Burt Wittrup, nationally esteemed for his Associated Press service, joins the faculty this fall. Professor Hillerman returns to two-thirds duty with this department and will teach a creative writing course in the English department. We are still attempting to hire a broadcast professor to assist Professor Coates. The wide disparity between professional journalists' salaries and those allocated entry level faculty makes recruiting for the person we want very difficult. The need is critical because the department is expanding its broadcast sequence in an effort to have it accredited. It appears now that adjuncts may be required for two broadcasting courses in the spring semester, unless one promising candidate can be hired.

Correspondence with members of the Accrediting Council on Education in Journalism recognizes that the University of New Mexico is not alone in confronting this problem. Permanent, full-time faculty are preferred for counseling, advisement and meeting unexpected problems while students are learning

their profession. Adjuncts, by the nature of their work, bring to the classroom the immediacy of daily experience. ACEJ members, in their campus visitations, are more concerned with the quality of instruction than rigid sets of residency. We are prepared, perforce, to remain flexible in meeting our expansion requirements.

CURRICULUM

The department voted to drop its advertising sequence and replace it with suggestions to students that they pursue the 3/2 MBA program. Former Dean Jerry Jordan, and Associate Dean William Peters of the Anderson School of Management, were most cooperative in suggesting a course of study for journalism majors. The latter, to whom the program has been explained, seem enthusiastic. The department will continue to offer its two advertising courses, which can earn graduate credit, and its news-editorial and broadcast sequences. This will allow advertising-minded students the opportunity to combine journalism with marketing, administrative and creative courses for a degree that those in the advertising profession tell us will be desirable. This all happens within existing programs and provides a new opportunity without added expense.

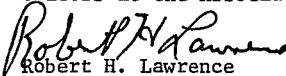
EQUIPMENT AND MAINTENANCE

Allocation of bond money for electric typewriters, replacing mechanical relics in the second of two writing laboratories, is deeply appreciated, because it will improve instruction and ease the transition to video display terminals and character generators in print and broadcast courses.

Other bond money enabled the department to acquire television, radio and 35mm photography equipment that has improved instruction and will help us expand the broadcast sequence as previously mentioned. Also scheduled, for spring semesters only, is an advanced photojournalism course, long requested by students. No additional salary for instruction is required for this latter course.

PROFESSIONAL ACTIVITY

Professor Hillerman was a member of a creative writing workshop faculty offered last summer. Professor Bales is incoming president of the New Mexico Chapter of the Society of Professional Journalists/Sigma Delta Chi, and in April took several students to the Region 9 convention of SPJ/SDX where two first places and a third place in student competition were awarded. Professor Lawrence and two students participated in the Student Editors Conference held in April in Keystone, Colorado. Lawrence moderated a panel on state and college editors at the Associated Press Managing Editors convention in May in Albuquerque.


Robert H. Lawrence
Chairman

Addendum

Annual Report, Journalism Department

CURRICULUM

The department offered two night courses in the spring, 1981 semester: Advanced Television Reporting (J-470) and Beginning News Writing (J-251). The former course, taught by adjunct lecturer Peter Clark of KOB-TV, was offered at night because of his job commitment during the day. Enrollment was 15, considerably higher than usual and due as much to the class being offered only once a year as to the time offered. The beginning news writing course attracted 24 students at first, and 20 completed the course. This fall we will offer another section of 251 and a section of J-252, at night, in response to UNM's campaign to attract older, working students.

ANNUAL REPORT ON THE DEPARTMENT OF LINGUISTICS

July 1, 1980 - June 30, 1981

Garland D. Bills, Chair

I. GENERAL INFORMATION

A. Highlights of the 1980-81 Academic Year

1. Faculty and Administration

In its eighth year the Department had a budgeted faculty of 3.17 FTE: Professor John W. Oller, Jr. (1.0), Associate Professor Garland D. Bills (.50, .50 Modern & Classical Languages), Assistant Professor Alan Hudson-Edwards (1.0), and parttime Visiting Assistant Professor Steven L. Strauss (.67 FTE). In addition, Rodney W. Young (Testing Division) held a non-probationary nonbudgeted appointment as Assistant Professor of Linguistics, Professor Vera John-Steiner (Educational Foundations) and Associate Professor Larry Gorbet (Anthropology) held nonbudgeted joint appointments in the Department, Dennis Muchisky continued his nonprobationary appointment as Lecturer II for instruction in the Intensive English Institute, and Bernard Spolsky held an appointment as Research Professor.

The Department was governed by a Voting Faculty of fourteen: the preceding (except Muchisky and Spolsky) and Professor Robert White (Secondary and Adult Teacher Education), Associate Professors Dean Brodkey (Elementary Education), Dolores Butt (Communicative Disorders), Jean Civikly (Speech Communication), Guillermina Engelbrecht (Elementary Education), Leroy Ortiz (Elementary Education), and Roy Pickett (English).

V- 761

Departmental assignments for 1980-81 were as follows:

Policy Committee: Civikly, Oller, Ortiz, Young, Bills.

Graduate Committee: Brodkey, Pickett, White, Bills.

MA Examination Committee: Butt, Gorbet, Strauss.

Introductory Linguistics Committee: Oller, Pickett, Strauss, Hudson-Edwards.

Search Committee: Gorbet, Hudson-Edwards, John-Steiner, Oller, White.

Library Representative: Hudson-Edwards

DCLC Faculty Advisor: Strauss.

Undergraduate Advisor: Hudson-Edwards.

Graduate Advisor: Bills.

The Department's interdisciplinary mission was supplemented by thirteen Associated Faculty: Bess Altwerger (Elementary Education), John Bergen (Modern & Classical Languages), Philip Bock (Anthropology), Michael Hogan (English), Marlis Mann (Elementary Education), Charlene McDermott (Philosophy), Jean Newman (Psychology), Peter Page (English), Bruce Porch (Neurology), Linda Riensche (Communicative Disorders), Scott Rushforth (Anthropology), Richard Van Dongen (Elementary Education), and Marta Weigle (Anthropology). Altwerger, Newman, Page, and Van Dongen were named to the Associated Faculty last fall.

Continuing to advise and serve the Department in many ways was Professor Emeritus Robert W. Young.

2. Faculty Research, Service, and Honors

The entire faculty were immersed this year in the hosting of the 1980 Linguistic/TESOL Institute last summer. A full accounting of this tremendous service and of the grants and honors received relative to the Institute is contained in the appended "Final Report" and need not be duplicated here.

Professors Spolsky, Engelbrecht, and Ortiz, who received in October, 1979 a \$140,000 grant from the National Institute of Education, continued

for the second year their project titled "Sociolinguistics of Literacy: An Historical and Comparative Study". This study is examining the development of literacy in a number of parts of the world, including northern New Mexico and the Navajo reservation.

Especially significant among the faculty's many honors received and services performed--beyond those associated with the 1980 Institute--were the following. Professor Alan Hudson-Edwards has received an appointment by the Republic of China's National Science Foundation as Visiting Expert at the National Sun Yat-sen University for Fall 1981. Dennis Muchisky served as president of the New Mexico TESOL Association in 1980.

3. Students

The Department continues to receive no reliable accounting of undergraduate majors and minors. There was apparently one B.A. major in linguistics in December 1980: Matthew F. Schmader.

There were eleven students officially enrolled in the MA program. There were five M.A. graduates in May, 1981: Stephen Baker, Farida Khan Doherty, Beth Pachak, Steven Ross, and Daniel Sharkey. Ross will be teaching at Baika College in Japan beginning this fall; the career directions of the other four are uncertain at this time.

The interdisciplinary doctoral concentration in Educational Linguistics within the COE doctoral program entered its second year with the admission of five additional students to bring total admissions to this selective concentration to eight. The concentration is administered through the Department of Educational Foundations by a committee composed of 12 members of the Linguistics faculty, with Professor Brodkey serving as the concentration coordinator.

Among the 1980-81 Ph.D. recipients having a linguistics emphasis were: Rosa M. Fernandez (Educational Foundations) with a dissertation on "Some

Social Constraints in the Code-Switching Patterns in the Speech of Mexican Americans in New Mexico" under the direction of Professor Hudson-Edwards; and Felipe A. Valerio (Elementary Education) whose dissertation on "The Spanish-English Language Acquisition of a 3-1/2-year-old Bilingual Child" was directed by Professor Spolsky. Fernandez resigned her position at UNM to accept an appointment at San Diego State University in Fall 1980, and Valerio holds an administrative position with the Albuquerque Public Schools.

Students of linguistics received a variety of honors and recognitions this year. Among them: Charles Hart, doctoral candidate in Educational Linguistics, was named in February to the Order of the British Empire (one of the highest designations in the British honor system) for his 21 years of educational service in Third World countries; a fund provided by the Development Office, Graduate Studies, GSA, and Linguistics will enable Hart to travel to England this fall to receive the award in person from the Queen. Nan Elsasser, doctoral candidate in Educational Foundations emphasizing linguistics, co-authored a 1981 book, Las Mujeres: Conversations from a Hispanic Community, published by McGraw-Hill; she has accepted an assistant professor position at the College of the Virgin Islands beginning in Fall 1981. Takayoshi Makino's 1979 dissertation was published as Acquisition Order of English Morphemes by Japanese Adolescents in 1981 by the Shinozaki Shorin Press in Tokyo. A paper presented by Susan Homer (doctoral candidate in Educational Linguistics) and Peggy Lazarus (doctoral candidate in Elementary Education) was named the outstanding graduate student presentation at the annual meeting of the Linguistic Association of the Southwest in Denver in October, 1980. Martha Furch, M.A. candidate in

Linguistics, was elected president of the New Mexico TESOL Association for 1981, moving up from her 1980 duties as the organization's secretary. UNM students awarded Linguistic Society of America fellowships for the 1980 Institute were Lorraine Boomer (Educational Foundations), Janice Chavez (Elementary Education), Margarita Hidalgo (Modern & Classical Languages), Dale Koike (Modern & Classical Languages) and Carol Woodall (Anthropology).

4. Lectures and Visitors

The Duke City Linguistics Circle, well-guided by student president, Beth Pachak, and faculty advisor, Professor Strauss, contributed to an exciting year of special activities in linguistics. The DCLC directly arranged ten lectures in 1981-82.

Susan L. Homer (Educational Foundations, UNM) and Peggy Lazarus (Elementary Education, UNM), "Sharing Time in Kindergarten: A Study of the Relationship Between Structure and Content" (September 25).

Joseph F. Towns (Cambridge University), "Tense and Aspect in the Speech of Former American Slaves" (October 29).

Steven Strauss (Linguistics, UNM), "Introduction to Lexicalist Phonology" (November 24).

Vera John-Steiner (Educational Foundations, UNM), "The Mind Is Not a Dictionary" (December 1).

Janet Bing (Princeton, New Jersey), "What Parts of the Intonation Contours are Meaningful?" (February 3).

Ellen Kaisse (University of Washington), "Comments on Puget Salish Phonology" (February 16).

Jean Newman (Psychology, UNM), "Some (Possible) Differences in the Comprehension of Oral and Written Discourse" (March 12).

Stanley Newman (Anthropology, UNM), "The Semantic Category of Control in Salish Grammar" (April 14).

William Murphy (Anthropology, UNM), "The Logic of Implied Meaning in Kpelle (Liberia, West Africa): Proverb Metaphors of Secrecy" (April 23).

Donald Cartwright (University of Western Ontario), "Geolinguistics: An Aspect of Sociology of Language" (April 29).

An important linguistics presentation sponsored by the Philosophy Department was heavily promoted by the DCLC: John R. Searle (University of California, Berkeley), "The Nature of Human Behavior" (April 17).

Linguistics faculty and students greatly profited from and contributed to the New Mexico TESOL Association in 1980-81. At its first fall meeting on campus on September 18, Professor Strauss gave a presentation on "Reading Processes and Implications for the ESL Classroom". At the 3rd Spring Conference held at the Ramada Inn East on April 4, Stephen Krashen (University of Southern California) gave the featured address on "The Input Hypothesis: How We Acquire Language" while Charles Hart (doctoral candidate in Educational Linguistics) was the banquet speaker. Among the other paper presenters at the conference were Professors Robert White and Dean Brodkey, a recent Linguistics M.A. recipient (Karin Goldstein), and two Educational Linguistics doctoral candidates (Jack Damico and Tom Graman).

In late fall and throughout the spring Professor Bess Altwerger (Elementary Education) organized a series of presentations as the UNM Reading Circle which was very useful to Linguistics. Among the five presentations were Professor Strauss on "Orthographic Universals" and Professor Oller on "Propositional Reasoning and Intelligence Tests".

In addition to the numerous visitors for the 1980 Institute, several scholars visited the department to consult with faculty and interchange ideas. Among these were: Cezary Mendelius (Adam Mickiewicz University, Poland), a specialist in TESOL, in September 1980; John Wharton (College de Geneve, Switzerland), doing research on language testing, in October and November 1980; Donald Cartwright (University of Western Ontario, Canada), a geographer doing

sabbatical research on bilingualism in New Mexico, for the 1981 Spring semester; and Julia Koppe (Townsville College of Advanced Education, Australia), a specialist in Aboriginal multilingual education comparing the Native American situation in New Mexico, for June-September 1981.

B. Future Plans and Recommendations.

The erosion of faculty strength in linguistics was almost halted in 1980-81 and the broad success of the 1980 Institute has attracted more and better students to our programs. The task for the immediate future is to increase faculty strength in linguistics, to provide greater support for graduate students, and to adjust course offerings and programs to handle continuing and new problems. The following steps seem most urgent:

1. An additional faculty position in Linguistics unless significant progress is made on the following two points.
2. Restoration of faculty expertise in linguistics in the departments of Anthropology, Communicative Disorders, and Educational Foundations.
3. Strengthening of faculty expertise in linguistics in English, Modern and Classical Languages, Psychology, Secondary and Adult Teacher Education, and Sociology.
4. Refinement of course offerings relevant to COE students, especially the 101 course to be required of Elementary Education students.
5. Development of an M.A. curriculum in TESOL to respond to the needs of those students interested primarily in this marketable area.
6. Resolution of problems in the administration of the doctoral concentration in Educational Linguistics. The program is administered by an interdisciplinary linguistics committee, but ultimately controlled by Educational Foundations and the COE, both of which attempt to place restrictions on the program that appear to have nothing to do with quality

while at the same time disowning any responsibility to the students (and even refusing to consider their applications for financial aid). To avoid a floundering of this high quality program, adjustments--even of a radical nature--must be made.

7. Increase of assistantships to the Department of Linguistics, to respond to growth in both the M.A. program and doctoral concentration.

8. Increased faculty involvement in sponsored research, both to enhance faculty development and to improve opportunities for student training and financial assistance.

C. Appointments to Staff

For 1980-81 Professor Strauss held a parttime visiting position in replacement of Bernard Spolsky. After a rigorous search procedure, Strauss has been appointed to a fulltime position beginning in 1981.

Professor Jean Newman joined the Department of Psychology last fall, finally replenishing strength in linguistics there. The appointment of Professor Bess Altwerger in Elementary Education also helped interdisciplinary strength in linguistics.

With regard to Voting Faculty, Professor Engelbrecht was named a permanent member effective 1980-81 to replace Marlis Mann, a one-year replacement for Miles Zintz.

D. Separations from Staff

Professor Bernard Spolsky resigned effective July 1, 1980, as did Professor Ellen Spolsky, a long time member of our Associated Faculty.

II. FACULTY INFORMATION

The following information on activities is limited to those members of the Voting Faculty who hold joint or full appointments in the Department. Only activities of calendar year 1980 are included.

4. Publications

Garland D. Bills

"Intergenerational Language Shift in an Albuquerque Barrio" in E. Blansitt & R. Teschner (eds.), A Festschrift for Jacob Ornstein, (Rowley, MA: Newbury House, 1980), pp. 139-158. Co-author: A. Hudson-Edwards.

"Comments on Varieties of English (Panel)", in F. Barkin & E. Brandt (eds.), Speaking, Singing and Teaching: A Multi-Disciplinary Approach to Language Variation (Tempe, AZ: Arizona State University, 1980), pp. 215-216.

Alan Hudson-Edwards

A Glossary of Spanish Election Terms. Washington, D.C.: Federal Election Commission, 1980.

"Sociolinguistic Reflexes of Jewish Identification", International Journal of the Sociology of Language, 1980, no. 26, pp. 41-74.

"Intergenerational Language Shift in an Albuquerque Barrio", in E. Blansitt & R. Teschner (eds.), A Festschrift for Jacob Ornstein. (Rowley, MA: Newbury House, 1980), pp. 139-158. Co-author: G. Bills.

Vera John-Steiner

"Educational Implications of Genes and Gender," in Tobach & Rosoff (eds.), Genes and Gender, Vol. 3, pp. 137-144.

"Recent Trends in Bilingual Education," in J. Schwartz (ed.), Teaching the Linguistically Diverse. Co-author: E. Cooper.

John W. Oller

Research in Language Testing. (Rowley MA: Newbury House, 1980), pp. 316. Co-editor: K. Perkins.

"Toward a Redefinition of Applied Linguistics?", in R.B. Kaplan (ed.), On the Scope of Applied Linguistics, (Rowley, MA: Newbury House, 1980), pp. 14-15.

"Achievement, Intelligence, Competency, or Language?", in K. Perkins & C. Yorio (eds.), On TESOL 1979 (Washington, D.C.: TESOL, 1980).

"Research on the Measurement of Affective Variables: Some Remaining Questions", in S. Krashen & R. Scarcella (eds.), Research in Second Language Acquisition (Rowley, MA: Newbury House, 1980).

"A Comment on Specific Variance versus Global Variance in Certain EFL Tests", TESOL Quarterly, 1980, vol. 14, pp. 527-530.

"Pragmatic versus Morphological/Syntactic Criteria for Language Referrals" in Language Speech and Hearing Services in Schools, 1980, vol. 11, pp. 85-94. Co-author: J. Damico.

"English Proficiency and Factors in Its Attainment: A Case Study of Iranians in the United States", TESOL Quarterly, 1980, vol. 14, pp. 365-372. Co-authors: M. Monshi-Tousi and F. Azar Hasseine.

"An Interview with John Oller" in K. Croft (ed.), Readings on Teaching ESL: For Teachers and Teacher Trainees, 2nd ed. (Cambridge, MA: Winthrop, 1980), pp. 481-491. Co-author: A. Newton.

"Oral Proficiency Scales: Construct Validity and the Halo Effect", Language Learning, 1980, vol. 30, pp. 135-153. Co-author: R. Yorozuya.

5. Other Research Projects or Creative Work

Garland D. Bills

Project Director, Symposium on Uto-Aztecan Historical Linguistics (with Wick R. Miller and Susan M. Steele), June 1980, supported by a \$13,646 grant from the National Science Foundation. The proceedings are being edited for publication.

Project Director, Symposium on Athapaskan Comparative Linguistics and Language Planning (with Michael Krauss and Robert W. Young), July 1980, supported by a \$9,315 grant from the National Endowment for the Humanities.

Project Director for a \$25,000 grant from the Ford Foundation and a supplement of \$1,600 from the National Center for Bilingual Research to support three aspects of the 1980 Institute:

Workshop on Sociolinguistic and Ethnographic Methods in Studying Bilingual Education, directed by Frederick Erickson, July 1980.

Language Policy Seminar, directed by Tracy Gray and G. Richard Tucker, July, 1980.

Fellowships for Minority Students, administered through the Linguistic Society of America.

Alan Hudson-Edwards

Linguistic variation in the English of Chicano children supported by an \$850.00 grant from the Research Allocations Committee.

Rodney W. Young

Project Director, "Neurolinguistics and Bilingualism: The Question of Individual Differences", a symposium for the LSA/TESOL Institute, July 1980. Funded by the National Science Foundation in the amount of \$6,600.

"Extended Graduation Rates at the University of New Mexico--the Class of 1963".

6. 6. Activities in Learned and Professional Societies

- Garland D. Bills "A Bibliographical Update on Spanish Language Maintenance and Shift", panel paper presented at 4th Symposium on Spanish and Portuguese Bilingualism, Juarez, Mexico, November 1980.
Chair, Theory and Practice session and chair, Resolutions Committee, annual meeting of Linguistic Association of the Southwest, Denver, October 1980.
Activities in the Linguistic Society of America:
Co-chair (with Victoria Fromkin), Committee on Linguistic Institute and Fellowships, meeting in Albuquerque, March 1980.
Ex-officio member, Program Committee (for the 1980 LSA Summer Meeting), meeting in Arlington, VA, May 1980.
Reported on 1980 Institute at meeting of the LSA Executive Committee in Albuquerque, July 1980, and in San Antonio, December 1980.
Attended 9th annual Southwest Areal Language and Linguistics Workshop, El Paso, April 1980.
- Dean Brodkey "Composition Correctness Scores", paper presented at National TESOL Conference, San Francisco, March 1980.
Co-author: R. Young.
"Composition Correctness Scores: A New Perspective", paper presented at Conference on Language Testing, Albuquerque, June 1980. Co-author: R. Young.
- Larry Gorbet Member, Linguistic Society of America Committee on Linguistic Institutes and Fellowships.
Session chair, Western Social Science Association Annual Meeting, Albuquerque, April 1980.
Visiting scholar, Linguistic Society of America Linguistic Institute, Albuquerque, Summer 1980.
Discussant for paper at Symposium on Uto-Historical Linguistics, Albuquerque, July 1980.
Session chair, Linguistic Society of America Summer Meeting, Albuquerque, July 1980.
Paper presented, Linguistic Society of America Annual Meeting, San Antonio, TX, December 1980.
- Alan Hudson-Edwards Session chair, annual meeting of Linguistic Association of the Southwest, Denver, CO, October 1980.
- Vera John-Steiner Paper presented at International Reading Association, St. Louis, Spring 1980.
"Cognitive Strategies in Second Language Learning in Children and Adults," paper presented at Montana State University, July 1980.
Paper presented at Vygotsky conference, Chicago, October 1980.

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Two lectures on bilingualism at Bank Street College of Education, New York City, October 1980.
Paper presented at University of Houston, Department of Psychology, November 1980.
Language for Navajo Students, 4th Annual Reservation-wide Conference, Tsailie, AZ, December 1980.

Dennis Muchisky

President of New Mexico TESOL through April 1980.
Local Program Chair, TESOL Summer Meeting, July 1980.
"Sociolinguistic Aspects of Communicative Competence", paper presented at national TESOL Conference, San Francisco, CA, March 1980.

John W. Oller

"The Relationship of Reading to Other Language Skills", series of lectures presented at Conference on Issues in Reading for the Adult ESL Student, Fremont Union High School 310 Literacy Project, Asilomar, CA, September 1980.
"Practical Guidelines for Language Testing", workshop lecture for American Indian teachers at Montana State University, July 1980.
"The Relationship of Reading to Other Language Skills", series of lectures presented at Conference on Issues in Reading for the Adult ESL Student, Fremont Union High School 310 Literacy Project, Asilomar, CA, September 1980.
"What is Language Proficiency?", keynote address at Tenth Annual Fall Conference of the New York ESOL and BEA at Teacher's College, Columbia University, New York, October 1980.
"How Many Factors in the Measure of Adult English Proficiency?", paper presented at Language Testing Colloquium, 14th annual TESOL Convention, San Francisco, CA, March 1980.
"A Language Factor Deeper than Speech: More Data and Theory for Bilingual Assessment", paper presented at Georgetown Round Table Meeting, Washington, DC, March 1980.
"Pragmatics and Language Testing", keynote address at 15th Regional English Language Center Seminar sponsored by Southeast Asian Ministers of Education Organization, Singapore, April 1980.
"How Do We Know When Tests Are the Same or Different?" paper presented at Second International Language Testing Symposium, Darmstadt, Germany, May 1980.
"The General Factor of Language Proficiency Revisited" paper presented at Language Testing Conference, Albuquerque, June 1980.

Larry P. Gorbet	Chair, Anthropology Graduate Committee. Chair, Linguistics M.A. Examination Committee. Chair, Faculty and Staff Welfare and Benefits Committee. College of Arts and Sciences Graduate Committee.
Alan Hudson-Edwards	Arts and Sciences Graduate Committee member. Linguistics undergraduate advisor. Linguistics curriculum committee member.
Vera John-Steiner	Senate Graduate Committee. Research Allocations Committee. Scholarship Committee. Director, Santa Fe Graduate Center.
John W. Oller	Associate Director for TESOL, 1980 Linguistic/ TESOL Institute. Organizer, Language Testing Conference, Albuquerque, June 1980.
Rodney W. Young	Student Affairs Committee. SIS Steering Committee. Student Records Research Coordinating Committee.

"Determination of Language Learning Difficulty in Bilingual Children: Pragmatic and Surface Oriented Criteria", paper presented at TESOL Summer meeting, Albuquerque, July 1980.
Co-author: J. Damico.

"Evaluation and Testing," paper presented at International Symposium on Standard Language/Vernacular Relations in Bilingual Education, sponsored by the Johnson Foundation in cooperation with Indiana University, held at Wingspread, Racine, WI, November 1980.

Rodney W. Young

"Composition Correctness Scores", paper presented at national TESOL conference, San Francisco, March 1980. Co-author: D. Brodkey.

"CLEP General and ACT: Maximizing the Relationship", paper prepared for 20th annual forum of Association for Institutional Research, Atlanta, April 1980.

"Composition Correctness Scores: A New Perspective", paper presented at Conference on Language Testing, Albuquerque, June 1980. Co-author: D. Brodkey.

7. Other Professional Activities

Garland D. Bills

Editor, Andean Linguistics Newsletter.

Editorial referee for Modern Language Journal and Newbury House Publishers.

Organizer, Summer Meeting of American Dialect Society, Albuquerque, July 1980.

Co-organizer, 7th Colloquium on Hispanic Linguistics, Albuquerque, July 1980.

Organizer, 4th Andean Linguistics Workshop, Albuquerque, August 1980.

Vera John-Steiner

Reviewer of grant applications to NEH, NSF, and NIE.

John W. Oller

Consulting editor to Foreign Language Annals, Language Learning, Journal of Applied Linguistics, Modern Language Journal, Studies in Second Language Acquisition, Newbury House Publishers, and Longman House.

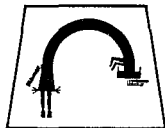
8. Non-teaching University Service (all these faculty are also members of the Educational Linguistics doctoral concentration faculty).

Garland D. Bills

Chair, Department of Linguistics.

Director, 1980 Linguistic/TESOL Institute.

Chair, Visiting Lecturers' Committee for the Humanities and Social Sciences.



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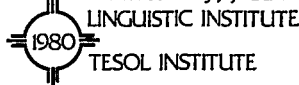
1980 LINGUISTIC/TESOL INSTITUTE

FINAL REPORT

The 50th Linguistic Institute and the 2nd TESOL Summer Institute were held jointly in Albuquerque, New Mexico, June 16 to August 8, 1980, under the sponsorship of the Linguistic Society of America (LSA), the international organization of Teachers of English to Speakers of Other Languages (TESOL), and the University of New Mexico (UNM). This was the first time that the two institutes have been held together. The success of the 1980 Institute indicates that this was a wise decision. This was also the first time for either Institute to be held in the Rocky Mountain region. The 1980 Institute was no doubt enhanced by the geographical and linguistic attractiveness of the setting.

Reflecting the regional linguistic situation and the emphases of linguistics at UNM, the theme of the eight week 1980 Institute was "Linguistics in New World Context: Language in Society and Education". This theme determined the nature of the variety of course offerings, conferences, and lectures, which were characterized by an emphasis on language learning and teaching, bilingualism and language contact, sociolinguistics and language sociology, and theoretical linguistics, all with a focus on English, Spanish, and Native American languages.

The 1980 Institute had a faculty of 46 scholars: 14 UNM resident faculty and 32 visiting faculty, including three New Mexico State University faculty funded by our sibling institution to the south. Heading the visiting faculty were Joshua A. Fishman (Yeshiva University), holding the Linguistic Society of America Professorship, and Yakov Malkiel (University of California, Berkeley), holding the Hermann Collitz Professorship, and Michael Silverstein (University of Chicago), Institute Associate Director for the LSA. The remaining faculty were: Richard L. Allwright (University of Lancaster, England), Derek Bickerton (University of Hawaii), Joan L. Bybee (State University of New York at Buffalo), Courtney B. Cazden (Harvard University), Rodolfo Cerrón-Palomino (Universidad Nacional Mayor de San Marcos, Peru), Luis Lindley Cintra (Universidade de Lisboa, Portugal), Robert L. Cooper (Hebrew University, Israel), Donald W. Dearholt (New Mexico State University), Betty Lou C. Dubois (New Mexico State University), Kenneth Hale (Massachusetts Institute of Technology), Ray Jackendoff (Brandeis University), LaVerne M. Jeanne (University of Arizona; with assistance from Richard T. Oehrle and Susan M. Steele), Ellen Kaisse (University of Washington), E.F.K. Koerner (University of Ottawa, Canada), Stephen D. Krashen (University of Southern California), Michael H. Long (University of California, Los Angeles), Anthony G. Lozano (University of Colorado), Brian MacWhinney (University of Denver), James D. McCawley (University of Chicago), Wick R. Miller (University of Utah), Amado M. Padilla (University of California, Los Angeles), Michel Paradis (McGill University, Canada), Ellavina T. Perkins (University of Arizona), Ellen K. Schaubert (Northwestern University), Dan I. Slobin (University of



California, Berkeley), G. Richard Tucker (Center for Applied Linguistics), Guadalupe Valdés (New Mexico State University), Robert Wall (University of Texas), and Amy Zaharlick (Ohio State University).

Institute faculty from the University of New Mexico were: John T. Bergen (Modern & Classical Languages), Philip Bock (Anthropology), Dean G. Brodkey (Elementary Education), Dolores S. Butt (Communicative Disorders), Alan Hudson-Edwards (Linguistics), Vera John-Steiner (Educational Foundations), Enrique E. Lamadrid (Modern & Classical Languages), Angelina Medina (American Indian Bilingual Education Center), Roy G. Pickett (English), John W. Oller, Jr. (Linguistics), Ellen Spolsky (English), Mary T. Tang (American Indian Bilingual Education Center), Robert H. White (Secondary & Adult Teacher Education), and Rodney W. Young (Linguistics).

The 1980 Institute offered a total of 57 courses. All carried regular UNM Summer Session credit of three semester hours each and were offered through the Department of Linguistics and several supporting departments (Anthropology, Communicative Disorders, Computer Science, Educational Foundations, English, Mathematics & Statistics, Modern & Classical Languages, Philosophy, Psychology, and Secondary & Adult Teacher Education). The eleven most popular courses in terms of official student enrollment (30 or more students) were: Second Language Acquisition (Krashen), Sociology of Bilingual Education (Fishman), Extended Standard Theory (Jackendoff), Teaching English to Indian Children (Medina, Tang, & Zaharlick), Semantics and Cognition (Jackendoff), Language in the Classroom (Cazden), Navajo Linguistics (Perkins), Typological Studies in Morphology and Syntax (Hale), Introduction to Linguistics (Pickett), Teaching English as a Second Language (White), and Classroom Method and Management of Learning (Allwright).

The 1980 Institute was exceptionally attractive, drawing over 600 students and visiting scholars, plus perhaps a thousand short-term visitors for meetings and conferences. Our unofficial tabulation indicates that the 609 registered students and visiting scholars came from 34 states, the District of Columbia, Puerto Rico, and the Virgin Islands, and 38 foreign countries. The approximate number of participants by country was: Egypt (18, due to a contingent of 15 students fully supported by USAID), Canada (13), Japan and West Germany (10), Mexico and South Korea (6), Italy (5), Brazil and Israel (4), Chile, England, the Netherlands, Switzerland, and Yugoslavia (3), Australia, Belgium, France, India, Spain, and South Africa (2), and Algeria, Colombia, Ecuador, Finland, Greece, Ireland, Ivory Coast, New Zealand, Philippines, Poland, Taiwan, Thailand, Saudi Arabia, Sweden, Syria, Upper Volta, Venezuela, and Zaire (1).

There were 87 official visiting scholars at the 1980 Institute. Of these, 75 were LSA Visiting Scholars and 12 were participants in the NEH Summer Seminar directed by Bernard Spolsky (Linguistics, UNM). The LSA Visiting Scholars paid \$150 (\$200 after April 1, 1980) directly to the LSA and these fees became part of the fellowship fund for student participants.

It is not possible to provide accurate information on "Institute students". Since the 1980 Institute offerings were part of the regular UNM Summer Session, students were able to register for both Institute and other courses. There was clearly a large number of regular UNM students who registered for an Institute course but did not really participate as "Institute students". On the other

hand, many visiting students who came specifically for the Institute registered for non-Institute courses (e.g., first year Navajo). Furthermore, Institute classes were by design open to all visitors; we made no attempt to keep track of course attendance by visiting scholars, other faculty, unregistered students, registered students auditing extra courses, and other visitors. Our student count must, therefore, be limited to those paying students officially registered in Institute courses--based on the stabilized enrollments at the midpoint of the eight week session.

There were 522 students officially registered in Institute courses at the end of the fourth week of classes. Approximately half of these were registered as degree candidates at UNM; the remainder registered in non-degree status. These 522 students averaged slightly less than two Institute courses each (total course enrollment was 984). Most of the non-local students were registered for at least two Institute courses while many local students carried only one Institute course.

A total of 67 students (from some 200 applicants) were awarded fellowships by the LSA Committee on Linguistic Institutes and Fellowships. The prestigious Bernard Bloch Fellowship for the outstanding applicant was awarded to Susan De Santis of Georgetown University. The other 66 awards covered tuition (\$166.50 in-state, \$510 out-of-state) and--in two-thirds of the cases--a supplement ranging up to \$390, depending on distance traveled. The average award was just over \$700. These 67 fellowships, totaling \$47,764, were provided by the LSA with base and matching grants from the Ford Foundation, including a special Ford grant to UNM of \$6,200 for minority fellowships. Sixteen of the awards went to self-identified U.S. minority persons. The fellowship recipients represented 24 states and seven foreign countries.

There were thirteen Forum Lectures, usually on Tuesday and Thursday evenings, during the first seven weeks of the Institute. Selected to provide roughly equal appeal to TESOL and LSA interests and to highlight the Institute theme, the presenters of the Forum Lectures were: Frederick J. Newmeyer, John B. Carroll, Ronald W. Langacker, Joseph H. Greenberg, Yolanda Lastra de Suárez, Stephen Krashen, Merrill Swain, M.A.K. Halliday, Bernard Spolsky, H. Douglas Brown, Stanley S. Newman, Courtney Cazden with Frederick Erickson and Clement Adelman, and Dell Hymes. The Collitz Lecture by Yakov Malkiel and the LSA Lecture by Joshua Fishman were given on the final weekend of the Institute in conjunction with the LSA Summer Meeting.

The 1980 Institute was characterized by a superabundance of meetings and conferences, averaging two per week, all held on the UNM campus. Three professional societies held their annual summer meetings here: American Dialect Society, LSA, and TESOL. In addition, there were thirteen other symposia, conferences, and workshops (with organizers' names in parentheses): Conference on Language Testing (John Oller), Uto-Aztecan Working Conference (Wick Miller), Symposium on Uto-Aztecan Historical Linguistics, supported by NSF (Susan Steele, Wick Miller, and Garland Bills), Kiowa-Tanoan Linguistics Conference (Laurel Watkins), Symposium on Lexicography in New World Context, supported by NEH (Robert Young, Michael Krauss, and Garland Bills), Colloquium on Hispanic Linguistics (John Bergen), Navajo Bilingual Education Conference (Anita Pfeiffer and Dillon Platero), Symposium on Neurolinguistics and Bilingualism, supported by NSF (Rodney Young), Workshop on Sociolinguistic and Ethnographic Methods

in Studying Bilingual Education, supported by the Ford Foundation (Frederick Erickson), Language Policy Seminar, supported by the Ford Foundation (Tracy Gray and G. Richard Tucker), Navajo Linguistic Society Symposium (Ellavina Perkins and Paul Platero), and Andean Linguistics Workshop (Garland Bills).

In addition to this surfeit of formal lectures and conferences, there was a vast array of other organized Institute activities too numerous to detail here. There were weekly meetings of special interest groups on TESOL, complementation, relational grammar, and other topics. There were noon brown-bag seminars with guest lecturers. There were a number of special receptions; deserving special mention were those in honor of Robert Young and William Morgan to mark the publication of their massive and masterful The Navajo Language and in honor of Charles Voegelin to mark his resignation as editor of the International Journal of American Linguistics. Less academic, but equally stimulating, were the opening Open House, the Sunday beer parties and the final New Mexico dinner and dance supported by an anonymous donor, the X-Bar Artists piano and clarinet concert, tours to pueblos and fairs, trips to the Santa Fe Opera, and a tennis tournament. Then there were the titillating Institute t-shirts and the restaurant and bar guide. With all this and more, participants still found many, many hours to spend in the library, the reading room, and other assorted reading and writing spaces.

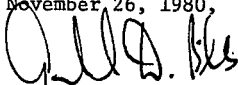
The UNM administration was quite pleased with the success of the 1980 Institute. It was, furthermore, a tremendous stimulus for the students and faculty of the Department of Linguistics and related programs. Most importantly, however, on an evaluation form distributed the final week of classes the participants themselves gave the Institute high marks. Though the response rate was low (only 187 returned questionnaires), the Institute was given a very high "worth the cost" rating of 6.1 on a seven-point scale. Course offerings were perceived as very adequate and well-balanced (5.7 mean rating) and the participants would highly recommend similar institutes in the future (5.9 rating). An especially interesting question asked whether the Linguistic and TESOL Institutes should be held jointly or separately; 69% of the 187 respondents (and fully 80% of those answering this question) favored joint institutes. From all perspectives, then the 1980 Linguistic/TESOL Institute must be considered exceptionally successful.

It is not possible here to express gratitude to all those persons who contributed so much to the resounding success of the 1980 Linguistic/TESOL Institute. That success is due primarily to the faculty, students, and visiting scholars who mingled and shared and spent the summer learning from one another. That was the success--and intent--of the Institute. To all those persons, our sincerest thanks.

More specific recognition of individual contributions is given in the various appendices. As director, I want to express special thanks to all those dedicated and hard-working members of the Institute directorate staff who by gargantuan efforts kept the whole thing glued together at a considerable unglueing cost to themselves. Meriting special mention here are: Bernard Spolsky, associate director; John Oller, associate director for TESOL; Michael Silverstein, associate director for LSA; and Alan Hudson-Edwards, assistant director. All of us wish to thank the TESOL Secretariat and the LSA Secretariat for the guidance, assistance, and encouragement provided throughout the planning and realization of this golden summer in Albuquerque.

Respectfully submitted,

November 26, 1980,



Garland D. Bills
Director

Appendices:

- A. Directorate and Staff
- B. Visiting Scholars
- C. LSA Fellowship Recipients
- D. Course Offerings and Enrollments
- E. Evening Lectures
- F. Conferences and Meetings
- G. Other Activities
- H. Participant Evaluations
- I. Institute Expenses
- J. Evaluation of UNM Support Units
- K. Sample Documents (for Department, LSA, and TESOL permanent files only)

APPENDIX A

Directorate and Staff

Director	Garland D. Bills
Associate Director	Bernard Spolsky
Associate Director for TESOL	John W. Oller, Jr.
Associate Director for LSA	Michael Silverstein, University of Chicago
Assistant Director	Alan J. Hudson-Edwards
Planning Committee	the preceding and Dean G. Brodkey Betty Lou C. Dubois, New Mexico State University Larry P. Gorbet Vera P. John-Steiner A. Charlene McDermott Leroy I. Ortiz Roy G. Pickett Rodney W. Young
* * * * *	
Department Secretary	Barbara L. Gates
Assistant to the Director	Martin J. Doviak
Research Assistant	Farida O.J. Khan Doherty
Graduate Assistants	Ernesto Gutiérrez Susan Homer Allison Hudson-Edwards Merryl L. Kravitz Peggy G. Lazarus Beth E. Pachak Garth F. Schmeling Bette Radmacher Vaive Leonard Blumberg Timothy Hale Deborah Irving María Connie Carreón A. Joel Spolsky
Work-Study Assistants	
WORP Assistant	
Special Volunteer	
* * * * *	
LSA Fellowship Committee	Victoria A. Fromkin, University of California, Los Angeles, chair Alan Bell, University of Colorado Garland D. Bills, UNM Martin J. Doviak, UNM Larry P. Gorbet, UNM Vera P. John-Steiner, UNM Ilse Lehisté, Ohio State University John W. Oller, Jr., UNM Susan M. Steele, University of Arizona

APPENDIX B

Visiting Scholars

Those names preceded by an asterisk are Visiting Scholars who were participants in the National Endowment for the Humanities Summer Seminar directed by Professor Bernard Spolsky. All others are official Linguistic Society of America Visiting Scholars.

- Allen, Andrew S. (University of California, Berkeley)
 Arnon, Hanna (University of Haifa, Israel)
 Austin, Peter (Massachusetts Institute of Technology)
 Barbarino, Joseph L. (Hunter College)
 Bebout, Linda J. (University of Windsor, Canada)
 Berman, Ruth (Tel Aviv University, Israel)
 Betten, Anne (University of Regensburg, West Germany)
 Blot, Richard K. (Manhattan College)
 Bonebrake, Veronica (University of Washington)
 *Breitborde, Lawrence (Beloit College)
 Bruce, Leslie P. J. (Summer Institute of Linguistics, San Diego)
 Burneo, Cesar Augusto (Catholic University of Quito, Ecuador)
 Clark, Michael H. (Bureau of Indian Affairs, Santa Fe)
 Clark, Ross (University of Auckland, New Zealand)
 *Cooper, Vincent (College of the Virgin Islands)
 Correa-Zoli, Yole (California State University, Hayward)
 Díaz, Elia (Universidad Técnica del Estado, Chile)
 Dubois-Charlier, Francoise (The Sorbonne, France)
 Dürmüller, Urs (University of Berne, Switzerland)
 Edelsky, Carole (Arizona State University)
 Estrada Fernández, Zarina (University of Sonora, Mexico)
 Everett, Walter (Indiana State University, Evansville)
 Feagin, Crawford (University of Virginia)
 *Fischer, Susan L. (Bucknell University)
 Geiger, Richard A. (University of Goettingen, West Germany)
 Goodman, Morris F. (Northwestern University)
 Gorbet, Larry (University of New Mexico)
 Gowda, K.S. Gurubasave (Central Institute of Indian Languages, India)
 *Greenlee, Mel (University of Northern Iowa)
 Gregg, Alvin L. (Wichita State University)
 Harrison, William F. (Northern Illinois University)
 Holm, Wayne (Rock Point Community School, Arizona)
 Horler, Frances (University of Rochester)
 *Huerta-Macias, Ana (University of Texas, El Paso)
 Huffman, Donald T. (West Virginia University)
 *Irizarry, María Antonia (University of the Sacred Heart, Puerto Rico)
 Israel, M. (Madurai Kamaraj University, India)
 Johnson, Elaine Dorough (State University of New York, Oswego)
 Kanski, Zbigniew (University of Silesia, Poland)
 Kawashima, Hajime (Saitama Medical School, Japan)
 Kim, Dong-Son (Hankuk University of Foreign Studies, South Korea)
 *Klein, Harriet E. Manelis (Montclair State College)
 *Klemme, William H. (Indiana University-Purdue University at Fort Wayne)
 Kushner, Rachelle (Technion, Israel Institute of Technology, Israel)
 Lee, Bong-Sam (Dankook University, South Korea)

López-Jiménez, Ilia E. (University of Puerto Rico)
 Marcantonio, Angela (University of Rome, Italy)
 *Martin, Laura (Cleveland State University)
 Masterson, John F. (Trinity College, Dublin, Ireland)
 *Mazeika, Edward J. (Morningside College)
 McCormick, Kathleen Mary (University of Cape Town, South Africa)
 Meléndez, Winifred (Inter American University, Puerto Rico)
 Moon, Moo-Yun (Gyeongsang National University, South Korea)
 Morúa Leyva, María del Carmen (University of Sonora, Mexico)
 Nameri, Dorothy E. (Technion, Israel Institute of Technology, Israel)
 Onstine, Roberto (University of California, Riverside)
 Peters, Ann Marie (University of Hawaii)
 Pratt, Mary Louise (Stanford University)
 Raith, Joachim (University of Essen, West Germany)
 Ransom, Evelyn (Eastern Illinois University)
 Ressel, Waltraud I. (University of Goettingen, West Germany)
 Rionda, Carolina S.A. (University of the Philippines)
 Rolfe, Leonard H. (University of Lancaster, England)
 Salaburu Echeverría, Pello (University of Deusto, Spain)
 Sang, Fritz (Max Planck Institute, West Germany)
 Savić, Svenka (Yugoslavia)
 Sharp, Ann W. (Furman University)
 Smith, Lawrence R. (Memorial University, Canada)
 Snouffer, Eugene (Western Illinois University)
 Some, Der Joachim (University of Ouagadougou, Upper Volta)
 Song, Nak-Hun (Seoul National University, South Korea)
 Stern, Otto (University of Zurich, Switzerland)
 Subotić, Ljiljana (University of Novi Sad, Yugoslavia)
 Takizala, Alexis M. (National University of Zaire)
 Thrasher, Randolph H. (Kwansei Gakuin University, Japan)
 Tonfoni, Graziella (University of Bologna, Italy)
 Ueda, Akiko (Tsuda College, Japan)
 *Wandersleben, Werner (State University of New York, Geneseo)
 *Warner, Richard G. (Colorado State University)
 Weissenborn, Jurgen (Max Planck Institute, West Germany)
 Westby, Carol E. (University of New Mexico)
 Wigdorsky, Leopoldo (Universidad Tecnica del Estado, Chile)
 Wing, Fred E. (Southeast Missouri State University)
 Wright, James R. (East Carolina University)
 Yamasaki, Kazuo (Kitakyushu University, Japan)
 Yang, Dong-Whee (Seoul National University, South Korea)
 Zogbo, Gnoleba (University of Abidjan, Ivory Coast)

APPENDIX C

LSA Fellowship Recipients

*Arce, Luis (Teachers College, Columbia)	\$510
*Austin, Martha A. (Kayenta, Arizona)	456.50
Axelrod, Melissa C. (University of Colorado)	510
Boomer, Lorraine Mae (University of New Mexico)	348.50
Briscoe, Edward John (University of Lancaster, England)	900
*Carr, K. Tsianina (Stanford University)	800
Castronovo, Brian Joseph (University of Wisconsin)	900
Chávez, Janice A. (University of New Mexico)	166.50
Covington, Michael Arron (Yale University)	900
Cumming, Suzanna Arens (University of California, Santa Cruz)	800
**De Santis, Susan M. (Georgetown University)	1,200
Dewald, Jane Claire (Ohio State University)	900
Dewulf, Hilde (Rijksuniversiteit Gent, Belgium)	900
Dowling, William E. (University of Pennsylvania)	510
Echo Hawk, Bernadette C. (Georgetown University)	510
Flynn, Suzanne (Cornell University)	900
Ford, Cecilia E. (California State University, Northridge)	800
Forman, Joan C. (National Technical Institute for the Deaf)	900
Gray, Simon J. (University of Lancaster, England)	510
Hailey, Celia Reyes (University of California, Berkeley)	510
Handwerker, Brigitte (University of Paris VII, France)	900
Harada, Kazuko I. (Kinjo Gakuin University, Japan)	900
Hidalgo, Margarita G. (University of New Mexico)	166.50
Hildebrandt, Nancy Nakanishi (Kinjo Gakuin University, Japan)	510
Hirvonen, Tuula Anneli (University of Jyväskylä, Finland)	510
Hornberger, Nancy Hughes (University of Wisconsin)	900
Imai, Takashi (Kansai University of Foreign Studies, Japan)	510
Kimmell, Elizabeth (University of Southern California)	800
Koiike Englekirk, Dale April (University of New Mexico)	166.50
Lebeaux, David Seth (Harvard University)	900
Leer, Jeffry Alan (University of Alaska)	900
Lehr, Rachel (University of Chicago)	510
Levin, Juliette (Barnard College)	900
*Lincoln, Helen C. (University of Wisconsin)	900
Liu, Feng-hsi (University of Iowa)	800
Mack, Molly Ann (Brown University)	900
MacLean, Edna Ahgeak (University of Alaska)	900
Maisenbacher, Peter (University of Munich, West Germany)	900
Mark, Vera (University of Texas, Austin)	800
Massam, Diane (University of Toronto, Canada)	900
Mesthrie, Rajend (University of Texas, Austin)	800
*Meyok, Rosemary (University of Western Ontario, Canada)	900
Na, Young-hee (University of Chicago)	900
Newsome, Sandra Lynne (New Mexico State University)	166.50
Olson, Karen Lea (Wayne State University)	900
O'Neill, Mary Elizabeth (University of Western Ontario, Canada)	900
Owsley, Heidi Haller Rexer (Michigan State University)	510
Poggi, Claudine Diana (University of Hawaii)	900

Queen, Joseph G. (Pennsylvania State University)	800
Rahm, Richard Daniel, Jr. (University of North Carolina)	510
Rodke, Lisa L. (Barnard College)	166.50
*Santa Ana-A., Otto, Jr. (University of Arizona)	800
Schulze, Christine K. (University of Texas, Austin)	800
Sealey, Wendy E. (Georgetown University)	900
Sermersheim, Richard Lee (University of Louisville)	900
Serwatka, Michael (University of Colorado)	800
Sheppard, Kenneth F. (La Guardia Community College, New York)	510
*Solé, Michelle (Boston University)	900
Stevenson, Ava Suzanne (College of William and Mary)	900
Travis, Lisa de Mena (McGill University, Canada)	900
Walters, Samuel Keith (University of South Carolina)	900
Watts, Linda Kay (Arizona State University)	800
*White Eagle, Josephine P. (Harvard University)	900
Wilt, Timothy Lloyd (University of Texas, Arlington)	510
Woodall, Carol Page (University of New Mexico)	166.50
Wootton, Robert Frank (University of Georgia)	510
Zager, David G. (State University of New York, Buffalo)	<u>510</u>

TOTAL OF AWARDS \$47,764

*Students whose awards were made through a minority fellowships grant to UNM from the Ford Foundation.

**Bloch Fellow.

APPENDIX D

Course Offerings and Enrollments

The enrollment figures given on the right include only official paid enrollments (whether for credit or audit) as of July 11, 1980 (the end of the fourth week of classes). Since all courses were open to anyone who wished to sit in (including other faculty, visiting scholars, eager students for whom three courses were insufficient, poor and/or miserly students, and shortterm visitors), actual attendance in courses was typically 50-100% higher than these enrollment figures.

Ling 127. Introduction to Linguistics for Native Americans (Jeanne)	16
Ling 227. Practical Workshop in Linguistics for Native Americans (Jeanne)	3
Ling 317. Phonological Analysis (Kaisse)	26
Span 340. Spanish Phonology (Lamadrid)	16
Ling 351. Language in Society (Hudson-Edwards)	9
Ling 362. Language Testing (Young)	19
Ling/Psych 367. Introduction to Psycholinguistics (MacWhinney)	21
Navajo 401. Navajo Linguistics (Perkins)	37
Anth 405. North American Indian Languages (Silverstein)	12
Anth 413. Linguistic Field Methods (Miller)	10
Anth 430. Linguistic Models of Social Structure (Bock)	3
Math 439/CmpSc 591. Introduction to Mathematical Linguistics (Wall)	15
Math 439/CmpSc 591. Automata and Formal Grammars (Wall)	6
Ling/Engl 440. Introduction to Linguistics (Pickett)	33
Phil 441/541. History of Linguistics (Koerner)	4
SATE 442. Teaching of Reading (White)	21
Psych 450. Psycholinguistics of Child Bilingualism (Padilla)	16
MLang 457. Luso-Brazilian Dialectology (Cintra)	5
SATE 482. Teaching English as a Second Language (White)	31
Ling 490. Quechua Linguistics (Cerrón-Palomino)	3
Ling 490. Language as Science in Bilingual Education (Hale)	8
Ling 490. Teaching English to Indian Children (Medina, Tang, & Zaharlick)	40
Ling 490. Teaching Spanish to the Native Speaker (Valdés)	12
MLang 517. Problems in Romance Reconstruction (Malkiel)	16
ComDs 530. Language Disorders in Children (Butt)	29
Span 549. Topics in Spanish Syntax (Bergen)	5
Span 549. Spanish in the United States (Lozano)	16
Ling 552. Sociology of Bilingual Education (Fishman)	46
Ling 552. Research Methods in Applied Linguistics (Tucker)	12
Ling 552. Social and Psychological Aspects of Bilingualism (Tucker)	10
Ling 554. Morphophonemic Theory (Bybee)	6
Ling 554. Phonology of Cliticization and Casual Speech (Kaisse)	3
Ling 554. The Extended Standard Theory (Jackendoff)	46
Ling 554. The Lexicon in Grammar (McCawley)	14
Ling 554. Typological Studies in Syntax and Morphology (Hale)	34
Ling 554/Phil 441/541. Pragmatics and Semantics (McCawley)	22
Ling 554. Affixal Derivation in Historical Perspective (Malkiel)	6
Ling 554. Neurolinguistics of Bilingualism (Paradis)	13
Ling 554. Graduate Workshop for Native Americans (Bills)	1

Ling/EdFdns 555. Teaching College Language Skills (Brodkey)	15
Ling/EdFdns 555. Pragmatics and Intelligence (Oller)	6
Ling 555. Classroom Method and Management of Learning (Allwright)	30
Ling 555. The Syllabus in Language Teaching (Allwright)	23
Ling 555. Structure of Spoken Scientific English (Dubois)	4
Ling 555. Research on Classroom Language Acquisition and Use (Long)	13
Ling 555. Statistics for Linguistics (Cooper)	16
Ling 555. Second Language Acquisition (Krashen)	66
Ling 559. Linguistic Variation (Bickerton)	7
Ling 559. Pidgin and Creole Languages (Bickerton)	9
Ling 559. Language and Ethnicity (Fishman)	21
Ling 559. Language Planning, Language Spread and Language Change (Cooper)	11
Ling 563. Cross-Linguistic Study of Language Acquisition (Slobin)	24
Ling 569. Semantics and Cognition (Jackendoff)	39
CmpSc 591. Modeling and Data Bases in Linguistics (Dearholt)	3
EdFdns 593. Linguistic Categories in Cognition (John-Steiner & Silverstein)	8
EdFdns 593. Language in the Classroom (Cazden)	37
Engl 610. Pragmatics and Literary Discourse (Schauber & Spolsky)	<u>7</u>

TOTAL ENROLLMENT* 984

*The total enrollment at the end of the first week of classes was 1,016 and at the end of classes (end of the eighth week) 977. There was, then, only a slight drop-out rate after enrollments began to stabilize during the first week.

All courses ran for the full eight week session except that: Ling 555 (Krashen) and CmpSc 591 (Dearholt) were for the first four weeks only; Ling 490 (Valdés) was for the first five weeks; and Ling 552 (Tucker, both courses) ran for the last six weeks.

APPENDIX E

Evening LecturesForum Lectures

- Tuesday, June 17 Frederick J. Newmeyer (University of Washington)
"The Rise and Fall of Generative Semantics"
- Thursday, June 19 John B. Carroll (University of North Carolina, Chapel Hill)
"Psychometric Theory and Language Testing"
- Monday, June 23 Ronald W. Langacker (University of California, San Diego)
"Explorations in Space Grammar"
- Wednesday, June 25 Joseph H. Greenberg (Stanford University)
"Principles of Genetic Linguistic Classification"
- Tuesday, July 1 Yolanda Lastra de Suárez (Universidad Nacional Autónoma de México)
"Mexican Indigenous Languages and Spanish: Present-Day Situation and Policy"
- Wednesday, July 2 Stephen D. Krashen (University of Southern California)
"Second Language Acquisition and the Monitor Model"
- Tuesday, July 8 Merrill Swain (Ontario Institute for Studies in Education)
"Time and Timing in Bilingual Education"
- Thursday, July 10 Michael A.K. Halliday (University of Sydney)
"It's a Fixed Word Order Language Is English"
- Tuesday, July 15 Bernard Spolsky (University of New Mexico)
"Towards a Sociolinguistics of Literacy"
- Thursday, July 17 H. Douglas Brown (University of Illinois, Champaign-Urbana)
"The Other Side of the Mountain: Gaining a Larger Perspective on Models of Language Learning and Teaching"
- Tuesday, July 22 Stanley S. Newman (University of New Mexico)
"Change in Salish Functional Categories"
- Thursday, July 24 Courtney B. Cazden (Harvard University) with Frederick Erickson
(Michigan State University) and Clement L. Adelman (Bulmershe College, Reading, England)
"Sociolinguistic and Ethnographic Methods in Classroom Language Research"
- Thursday, July 31 Dell Hymes (University of Pennsylvania)
"Poetics of Native American Literature"

Collitz Lecture

- Friday, August 1 Yakov Malkiel (University of California, Berkeley)
"Drift versus Slant"

LSA Lecture

- Saturday, August 2 Joshua A. Fishman (Yeshiva University)
"Yet Another Look at the Whorfian Hypothesis: Varieties of Confirmation and Disconfirmation"

Special Lectures

- Thursday, June 26 Robert Rebert (U.S. AID Mission to Paraguay)
"Paraguay: An Old Approach to Bilingual Education that Works"
- Monday, July 14 Joshua A. Fishman (Yeshiva University)
"What's Wrong and What's Right with Bilingual Education"
- Monday, July 28 George Kaplan (City University of New York)
"Fantasy Land on the Potomac: Policy-Making in Washington"

APPENDIX F

Conferences and Meetings

Conference on Language Testing, June 20-21 (Friday-Saturday). Organized by John W. Oller (UNM), the conference was kicked off on the preceding evening by John Carroll's forum lecture and a no-host reception at the Faculty Club. With an emphasis on research into the nature of language proficiency (communicative competence) in relation to mental testing and education in general, a total of 22 30-minute papers were presented by scholars from thirteen different institutions in the U.S. and one from the Philippines. This was one of the most well attended conferences, with perhaps 300-350 persons attending at least one presentation. It is planned to publish selected conference papers in a volume to be titled Issues in Language Testing under the editorship of Oller.

Eighth Annual Uto-Aztecan Working Conference, June 22-23 (Sunday-Monday). This annual workshop style conference is intended to promote the sharing of descriptive and comparative research endeavors and ideas. The primary focus of this year's conference, organized by Wick R. Miller (University of Utah), was phonology. There were eighteen 20-minute papers and a special panel discussion on language problems by native Uto-Aztecan. A total of 60-80 people attended the conference, with an average session attendance of some 35 persons.

Symposium on Uto-Aztecan Historical Linguistics, June 24-26 (Tuesday-Thursday). This symposium was organized by Garland Bills (UNM), Wick Miller (University of Utah), and Susan Steele (University of Arizona) and was supported by a \$13,646 grant from the National Science Foundation. The intent of the symposium was to contribute to the understanding of language change by interrelating Uto-Aztecan data and more general linguistic considerations, focusing on three central areas of Uto-Aztecan historical linguistics: linguistic issues, sociocultural factors, and genetic relationships. There were eleven one-hour addresses with prepared responses by eleven discussants. The 22 invited participants represented 17 different institutions in the U.S., Mexico, Denmark, and West Germany. Roughly 150-200 persons attended the symposium. The organizers are arranging for publication of the proceedings. A special adjunct to the symposium was a reception hosted by Bernard and Ellen Spolsky to honor one of the participants, Carl F. Voegelin (Indiana University), upon his retirement from the editorship of the International Journal of American Linguistics.

Second Annual Kiowa-Tanoan Linguistics Conference, June 27-28 (Friday-Saturday). This workshop was organized by Laurel Watkins (Colorado College) to emphasize informal discussion and interchange ideas along the lines of the 1979 UNM conference planned by Amy Zaharlick (Ohio State University). The ten presentations covering a broad range of descriptive and historical concerns were attended by a total of 40-50 persons.

Symposium on Lexicography in New World Context, June 30-July 3 (Monday-Thursday). Supported by a grant of \$8,555 from the National Endowment for the Humanities, the symposium was organized by Michael Silverstein (University of Chicago) to focus on the particular problems, principles, and desiderata of the lexicography of Native American languages. The first two days featured sixteen invited presenters and discussants reporting on completed and ongoing lexicographic work on Navajo, Wasco-Wishram, Salish, Tzotzil, Ojibwe, Crow, and Koyukon and

other Alaskan languages. Working group discussions were held on the final day and a half. There were perhaps 50 persons attending each major presentation and approximately 175-225 total participants. Silverstein intends to edit the proceedings for publication.

Symposium on Athapaskan Comparative Linguistics and Language Planning, July 7-11 (Monday-Thursday). Organized by Garland Bills (UNM), Michael Krauss (University of Alaska), and Robert Young (UNM) and partially supported by a \$9,315 grant from the National Endowment for the Humanities, the symposium included 35 program participants from all over North America. With the expressed intent of linking and strengthening both theory and practice in Athapaskan language research, 25 papers addressed diverse topics in comparative-historical perspective and drew implications for such planning endeavors as dictionary making, lexical enrichment, and the development of orthographies and educational materials. On Wednesday evening B. Spolsky and G. Bills hosted a reception honoring Robert Young and William Morgan in celebration of the publication of their new The Navajo Language by UNM Press. The symposium was closed out by a lovely open house wine and cheese reception at the Native American Materials Development Center near Old Town. A total of perhaps 250 persons attended the symposium; attendance for individual papers ranged from 45-90.

Seventh Colloquium on Hispanic Linguistics, July 11-12 (Friday-Saturday). This conference on Spanish and Portuguese linguistics, traditionally held in conjunction with the Linguistic Institute, was organized by John J. Bergen (UNM), with the assistance of Garland Bills (UNM), Enrique Lamadrid (UNM), and Guadalupe Valdés (New Mexico State University). Emphasizing language contact and bilingualism phenomena, the program included seventeen 20-minute papers and longer presentations by four featured speakers. Program participants represented twenty different universities from as distant as Chile, Peru, and Portugal. Attendance averaged about 45 persons per paper, with a total attendance of approximately 125. Selected papers are being edited for publication, probably by Georgetown University Press, publisher of several earlier Colloquia.

Symposium on Navajo Bilingual Education, July 15-16 (Tuesday-Wednesday). This conference was organized by Anita Pfeiffer (UNM) and Dillon Platero (Navajo Academy) and sponsored by the Diné Bi'olta' Association. The program included presentations, panel discussions, and question and answer sessions by prominent on- and off-reservation educators and linguists who have contributed to the development of Navajo bilingual education. Approximately 80-100 persons took part in the conference.

Symposium on Neurolinguistics and Bilingualism: The Question of Individual Differences, July 15-17 (Tuesday-Thursday, afternoons only). Organized by Rodney W. Young (UNM) and supported by a National Science Foundation grant of \$7,410, the symposium featured major presentations by nine of the most prominent U.S. and Canadian neurolinguists dealing with bilingualism. These invited participants explored various facets of the question of whether there are neurological concomitants of bilingualism once one takes into account individual differences associated with handedness, sex, developmental level, and cognitive style. Approximately 350-400 persons attended this symposium, making it the most popular conference of the 1980 Institute.

American Dialect Society Summer Meeting, July 16-17 (Wednesday-Thursday, mornings only). This annual summer meeting held in conjunction with the Linguistic Institute was organized by Garland D. Bills (UNM) with the assistance of Allan Metcalf (MacMurray College). All nine of the papers presented dealt with English dialects in the multilingual southwest and western states. Total participation in the meeting was about 70 persons, a tremendous turn-out in comparison to past meetings of this crusty old society.

Second Annual TESOL Summer Meeting, July 18-19 (Friday-Saturday). This major meeting was organized at UNM by Herta Teitelbaum and Patricia Irvine, with the assistance of numerous UNM volunteers and TESOL headquarters staff. A detailed report by the organizers has been submitted to the TESOL Executive Committee. It was an elegant meeting. There were margaritas and Spanish corridos at the Faculty Club following Brown's forum lecture on Thursday evening. Friday evening there was a dance with music by Frank Chiwiwie at the Hilton Inn. The program included three other plenary addresses, thirty 20-minute papers, four 10-minute reports, a panel session, and three publishers' demonstrations, as well as a sumptuous publishers' exhibit of books. There were 301 official registrations, though at least 400 persons attended the diverse presentations. The Summer Meeting was followed by a meeting of the TESOL Executive Committee at the Hilton Inn on July 20-21.

Workshop on Sociolinguistic and Ethnographic Methods in Studying Bilingual Education, July 20-25 (Sunday-Friday). This research training workshop for junior scholars, especially minority persons, just beginning their research careers was supported by a \$10,086 grant from the Ford Foundation supplemented by a \$1,600 National Center for Bilingual Research grant for support of additional minority participants. Organized by Frederick Erickson (Michigan State University), the workshop focused on theoretical and methodological issues in data collection and analysis, emphasizing the use of audiovisual documentary records and fieldnotes from participant observation. Conducted by Erickson, Courtney Cazden, and four other scholars from Harvard University and from England, the workshop was attended by 25 junior scholars, 13 of whom received grant support for travel and living expenses.

Language Policy Seminar, July 28-29 (Monday-Tuesday). Organized by Tracy C. Gray and G. Richard Tucker of the Center for Applied Linguistics and supported by a \$8,688 Ford Foundation grant, this workshop was intended to bridge the gap in communication between language professionals and educational policy makers. The seminar consisted of a series of presentations for Institute participants by policy makers from Capitol Hill, Washington's Think Tanks, federal and state agencies, teacher organizations, and public interest groups, including the Monday evening special lecture by George Kaplan. Approximately 120-140 Institute participants attended sessions of this seminar. A special moment of the seminar was the introduction by Josie White Eagle, an Institute student, of a resolution signed by 57 participants stating simply: "Everyone in this nation should have the inalienable right to learn in their mother tongue."

Navajo Linguistic Society Symposium, July 28-31 (Monday-Thursday). Organized by Paul R. Platero (Brigham Young University) and Ellavina T. Perkins (University of Arizona), this three and a half day conference included presentations by sixteen Navajo language scholars. Participants numbered about 80.

42nd Linguistic Society of America Summer Meeting, August 1-3 (Friday-Sunday). This two and a half day meeting was fully arranged by the LSA Secretariat in Washington, DC, with only logistical details arranged by the Institute staff. With two sessions going simultaneously, a total of 92 papers were presented by linguists from throughout the world. The total number of participants in the meeting may be roughly estimated at 450-500. Supplementing the meeting sessions were Malkiel's Collitz Lecture on Friday evening and Fishman's LSA Lecture on Saturday evening, both followed by no-host receptions in the Faculty Club. In addition, the LSA Executive Committee met on campus on July 30-31.

Fourth Andean Linguistics Workshop, August 4-5 (Monday-Tuesday). Organized by Garland Bills (UNM) and Rodolfo Cerrón-Palomino (Universidad Nacional Mayor de San Marcos, Peru), this conference included fifteen papers by scholars from Canada, the Netherlands, Peru, Ecuador, and various parts of the U.S. Roughly 40-50 persons attended this cozy conference.

* * * * *

This would seem to be an appropriate place to mention two other important activities closely tied in with the 1980 Institute:

"Bilingualism: Social and Individual Aspects", a National Endowment for the Humanities Summer Seminar for College Teachers. Directed by Bernard Spolsky with an NEH award of \$45,811, this seminar ran for eight weeks in conjunction with the Institute. The twelve participants (noted on the visiting scholar list in Appendix B) enjoyed an unusually rewarding Summer Seminar, for they were able to take part in many of the Institute activities, including sitting in on many courses related to their special interests within the seminar topic. In turn, the exceptionally high qualifications of the seminar participants made it possible for them to contribute importantly to the Institute in their interactions with others.

Eighth Annual Summer Institute of Linguistics for Native Americans, sponsored by the Native American Linguistics Institute and the Summer Institute of Linguistics and directed by Tim Analla (NALI) and Irvine Davis (SIL). SILNA is an annual summer program that provides training in linguistics for the study of native languages and in educational methods for the use of those languages, orally and in writing, in the bilingual classroom. SILNA-80 ran for the first six weeks of the Institute. Its staff of eight provided instruction to 27 students representing eleven tribes: Zuni, Warm Springs, Keres, Tewa, Crow, Kootenai, Navajo, Slavey, Florida Seminole, Cheyenne, and Papago. Though interaction between the two institutes was not as great as the directors of each would have wished, SILNA-80 was certainly an enriching aspect of the 1980 Institute. I would like to take this opportunity to thank those persons who took part in meetings at UNM in May and September, 1979, to coordinate Institute and SILNA planning and other Native American activities of the 1980 Institute: Adrian Akmajian, LaVerne Jeanne, Richard Oehrle, and Sue Steele of the University of Arizona; Tim Analla, Irvine Davis, and David McNeil of SILNA; Donna Pino of the All Indian Pueblo Council; Mary Tang of Sandia Laboratories; and from UNM, Alice Neundorf (Modern Languages), Lucille Stilwell (Navajo Teacher Training Project), Margaret Wilcox (American Indian Bilingual Education Center), and Gail Yamasaki (Native American Studies).

APPENDIX G

Other Activities

Special Interest Groups. Alan Hudson-Edwards (UNM) facilitated the organization of meetings of persons with particular interests in small, informal discussions. As is to be expected with such a large group of scholars with widely varying interests, there were numerous SIGs organized, though only a few in such official fashion that the directorate can be certain of their existence. Among these were the following:

Visiting scholar Evelyn Ransom organized a lively workshop on Noun Complement Constructions that met almost every week on Wednesdays.

Lilika Couris, student from Greece, and Keith Samuels, student from South Carolina enroute to a job in New Guinea, coordinated a highly successful, indeed vociferous, SIG for TESL/TEFL administrators, teachers, and teacher trainers which met on numerous evenings throughout the summer.

Michael Covington, student from Yale, organized a regular meeting of a SIG on Relational Grammar.

An energetic group of persons with special interests in Sign Language met regularly on Thursday evenings.

Visiting scholar Carole Edelsky promoted a SIG on Conversational Analysis.

Lunch Seminars. Midway through the Institute Professors Michael Silverstein, Courtney Cazden, Vera John-Steiner, and Alan Hudson-Edwards developed a series of informal brown-bag presentations held around the conversation pit in the Institute headquarters at noon on Tuesdays and Thursdays when there were no conflicting activities. Among the presentations were the following:

Urs Durmuller (U Berne), "Anathema: Holistic Grammar".

Ruth Berman (Tel Aviv U), "Language Acquisition as Evidence for Grammatical Description (Hebrew Verb Derivational Morphology)".

Peter Austin (MIT), "Structural Change in Language Obsolescence: Some Eastern Australian Examples".

Wick Miller (U Utah), "Guarajío Locational".

Michael Silverstein (U Chicago), "The Culture of Language in Chinookan Narrative Texts".

Social Gatherings. Four major social activities for all Institute participants were organized, primarily by Martin Doviak, and made possible by the \$1,000 subsidy from an anonymous donor:

Open House in the Institute headquarters on Sunday, June 15 from 1:00 to 6:00 p.m. With coffee, punch, and cookies. Hosted by the Institute staff and local faculty to welcome and provide orientation to all visitors prior to the start of classes.

Happy Hour I at the Central Torta restaurant (?) on Sunday, June 29 from 2:00 to 6:00 p.m. With beer, soft drinks, and chips. A \$1.00 donation was asked to cover rental of the facility.

Happy Hour II on Sunday, July 13 from 4:00 to 8:00 p.m. Same as the preceding.

Despedida Dinner/Dance at the American Legion Hall (Post 13) on Sunday, August 3 from 7:00 to 11:00 p.m. With scrumptious New Mexican buffet dinner, cash bar, and music by Alma, one of Albuquerque's finest bands. Admission charge of \$5.00.

Beginning with the second week of the Institute, Professors Cazden, John-Steiner,

and Silverstein arranged for a cash bar at the Faculty Club on Monday and Thursday afternoons where Institute participants could stop by for relaxation and conversation. The Faculty Club was also utilized for receptions following several of the evening lectures.

In addition, numerous gatherings were hosted in individual homes. In addition to the receptions at the Spolsky home for Carl and Florence Voegelin and for Robert Young and William Morgan as noted in Appendix F, several parties were arranged for conference participants, for example, by Wick Miller for the Uto-Aztecan Symposium, by Enrique Lamadrid for the Hispanic Linguistics Colloquium, by Rodney Young for the Neurolinguistics Symposium, and by Garland Bills for the Andean Linguistics Workshop. Teaching assistant Susan Homer opened her home to all for a beautiful West Mesa view of the July 4 fireworks. Derek Bickerton threw parties without patriotic or other motivation. Hundreds of others did so, too, though on a smaller scale and with less frequency.

Music. Alan Hudson-Edwards arranged for many Institute participants to enjoy two of the highlights of the summer cultural season in New Mexico: to the Santa Fe Opera for "La Traviata" on July 5 and for "The Magic Flute" on July 18 and to the Santa Fe Chamber Music Festival (combined with day trips to Santa Fe) on July 13 and July 27.

But the cultural highlight of the Institute on campus was the X-Bar Artists presentation of a "Chamber Music for Clarinet and Piano" concert by Ray and Elise Jackendoff on Sunday afternoon, August 3, closing out the LSA Summer Meeting. An admission charge of \$1.00 covered rental of Keller Hall.

Tours. Teaching assistant Peggy Lazarus arranged an all-day bus tour to the Northern Pueblos Arts and Crafts Fair at San Juan Pueblo on July 20. To give the profiteers a chance, we arranged for Piper Tours to promote day and weekend tours for Institute participants throughout the summer.

Headquarters. Though the underground center of harried Institute administration was in the Linguistics Department offices on the fifth floor of the Humanities Building, the overt center of activity was the hospitable Honors Center occupying the west wing of the first floor. This spacious, but cozy and comfortable headquarters was kept open from 8:00-6:00 Monday-Friday for the first three weeks and from 8:00-10:00 Monday-Friday and 1:00-7:00 on Sundays for the final five weeks. This was the information and social center for the Institute--with coffee, mail boxes, notice boards, and permanent staffing by two staff to provide information. Small classes and special interest groups were held in four seminar rooms opening off of the central reception/conversation area. In addition, the headquarters housed a Reading Room containing special course readings and materials, items not available in the main library, and duplicate copies of high-use books and journals. This magnificent facility was a key to the success of the Institute, and we are extremely grateful to the Honors Center for giving us full control of the facility for the full summer.

Communications. The major device for keeping up with all the Institute activities was a Weekly Calendar made available to all Institute participants in the Institute headquarters each week. This was a one-two page listing of daily activities: conferences, lectures, SIGs, lunch seminars, social activities, tours, general announcements, and notes on other campus activities.

But there was a torrent of other communicative paper prior to and throughout the summer: information on private and dormitory housing, detailed information for students and faculty on arrival at UNM, local directory of faculty with home

and office addresses and office hours, local directory of visiting scholars, final directory of Institute participants with permanent addresses for 373 persons, guide to local and regional restaurants and bars, information on day care, xeroxing, roller skates, typewriters, and on and on. Forests were leveled by this storm of communication.

In the eye of the storm were many staff whose special efforts require some at least small recognition here: Farida Khan's handling of day care needs and information on copying facilities, Debbie Irving's handling of all reserved books and coordination with the library, Merryl Kravitz' arranging of activities for dorm residents, Susan Homer's taping of Forum Lectures, Beth Pachak's design and marketing of the delightful Institute T-shirts. But the major forest-feller was Martin Doviak, who handled all aspects of the exceedingly complex housing for visitors, the restaurant/bar guide, and thousands of other activities ranging to the scheduling of the official Institute tennis tournament. Finally, Barbara Gates held all the underpinnings together with dedication and good cheer. They and all others endured.

A special thanks to Maxine Loo, student from Washington and the Institute's unofficial photographer, who contributed the final special activity: her collection of Institute slides was shown continuously in the Institute headquarters the final week of classes.

APPENDIX H

Participant Evaluations

A report prepared by John W. Oller, Jr., Associate Director for TESOL

I. Interpretation of Responses

TESOL Summer Institutes '79 and '80
from the Inside Out

If you are among the many professionals interested in past and future TESOL Summer Institutes (TSIs), whether you have been to one or are planning to go, or are recommending an institute to a colleague, student or friend, you may be interested in the reactions of participants at the UCLA TSI '79 or the TSI '80 held at UNM. Among the crucial questions are whether participants thought the institute(s) worth the cost, and whether they would recommend the experience to others. Another reason for taking a backward glance at the reactions of participants to the past two TSIs is that they were very different. For instance, the UCLA program was strictly a TESOL function while the UNM affair was held in conjunction with the 50th Linguistic Institute of the LSA. Also, the UCLA TSI was a six week program while the one in New Mexico lasted eight weeks.

Extensive questionnaires were prepared for participants at both the '79 and '80 TSIs. They were not identical, but they contained enough overlap to make a few comparisons quite meaningful. To discuss all of the demographic and evaluative information obtained in either of the two forms would require too much space, but a few highlights and contrasts may be of interest to many readers--and especially to future TSI planners. An intriguing question asked of the UNM participants was whether they would like to see the TESOL and LSA programs held jointly or separately. Of the 187 respondents, 69% felt that joint institutes are to be preferred; 15% were in favor of separate programs; and 16% did not indicate an opinion.

The UCLA TSI '79 attracted just over 200 participants and 112 of them (about 55%) filled out our questionnaire soliciting their candid evaluation of courses, instructors, forum lectures, social activities, etc. At the UNM TSI '80, there were upwards of 600 participants and 187 responded to a similar questionnaire (less than a 31% response). Because of the complete integration of the UNM courses into the regular summer program, it was difficult to clearly differentiate institute participants from others. No distinction was made between LSA and TESOL type courses. Of the participants at UNM, 33% indicated membership in LSA and 30% in TESOL. When asked whether they came to the institute primarily for TESOL or LSA interests, or for both, 47% indicated "both"; 35% "LSA"; and 13% "TESOL" (5% no response).

An interesting demographic coincidence is that at both the UCLA and UNM institutes, the ratio of females to males was about 67% to 33%, though the average age of participants at UCLA was somewhat higher 34 versus 27. Fully 70% of the respondents at UNM were from the United States while the split at UCLA was closer to 50% Americans and 50% foreign born. At both the UCLA and UNM institutes 64% of the respondents indicated that they would have attended even if the courses had not been offered for regular credit while 26% indicated that they would not have attended without credit (10% did not respond). At the UNM institute, 46% of the respondents indicated that they were enrolled in some degree program while the remaining 54% were non-degree oriented. At UCLA fully 52% of the respondents indicated that they had paid their own expenses while at UNM 41% indicated having paid all their own expenses.

When asked about the courses offered and overall program adequacy, respondents at both institutes were quite positive. The UCLA TSI rated a 5.9 on a seven point scale (converted from a five point scale for comparability) and the UNM program rated a 5.7. (In the UNM questionnaire the lowest point on the scale was labeled "not at all" adequate and well-balanced and the highest "very much so". The UCLA questionnaire was similar in format.) In response to whether or not the institutes were worth the cost, perhaps the most telling question of all, the UCLA TSI rated a 5.9 and the UNM program a 6.1. The modal rating for both institutes was a 7. When asked if they would recommend the institute to others, participants at UCLA assigned a rating of 6.4 while those at UNM assigned a 5.9.

At UCLA the forum lecturers receiving highest marks were Elaine Tarone, Merrill Swain, Christina Paulston, and Earl Stevick. Although Stephen Krashen was not among those who gave forum lectures at UCLA, he was the speaker most often mentioned by UCLA participants at the TESOL Summer Meeting '79 as having been both stimulating and helpful. Krashen also received the highest mark of any speaker in the forum series at UNM. He was closely followed by Merrill Swain and she by M. A. K. Halliday, Joshua Fishman, and Bernard Spolsky. The usefulness of the TESOL Summer Meeting '80 was rated on a five point scale along with the fourteen other weekend and sometimes concurrent conferences. It ranked toward the middle of the distribution and was assigned a mean of 3.4 ("somewhat interesting and useful" = 3). Of course, the Summer Meeting at UCLA could not be compared against any other as it was the only weekend meeting during the '79 TSI. However, many participants at both UCLA and UNM commented on the usefulness of the contacts made at the TESOL and other professional meetings.

Criticisms ranged from such minor issues as not knowing where to put trash at the dorms, the need to use airmail for overseas communication, and the exorbitant cost of duplicating course materials, to substantive issues such as availability of materials at the library, and whether or not local unknowns and watery introductory courses should be offered at institutes along with the typically superior courses staffed by superstars from far and wide. Apart from a number of negative comments on specifics, such as not knowing how to handle an American bank account, both the UCLA TSI and the UNM institutes were regarded as "exhaustive", "intense", and "extremely worthwhile".

(Footnote: William Slager of the University of Utah has also written an excellent and thoughtful critique of the UCLA TSI '79. His critique was reviewed by the TESOL Executive Committee and was based in part on a perusal of the same questionnaire data referred to here. However, as far as I know, Dr. Slager did not have the completed data analysis which is discussed ever so briefly here. That analysis, along with the data from the UNM questionnaire is being made available to the TESOL Executive Committee. That committee has also solicited an independent evaluation of the UNM TSI from Janet Fischer. The original questionnaires are being made available to her for further review. Itsuko Ohnishi and Mary Kodis (both graduate students at UNM) helped in the analysis and tabulation of the questionnaire data for the UNM institutes. With their help also, a complete report is being submitted.)

II. Questionnaire and Responses in Percentages (N = 187)

EVALUATION OF THE 1980 LINGUISTIC AND TESOL SUMMER INSTITUTE

A. PARTICIPANT INFORMATION

1. Name (Optional)

2. Age:	20-25 (19%)	31-35 (23%)	41-50 (12%)	No answer (3%)
	26-30 (30%)	36-40 (10%)	51-up (3%)	Mean: 27.20

3. Sex:	Male (32%)	Female (65%)	No answer (3%)
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4. Nationality, specific responses summarized:

United States (70%)	European countries (6%)
Other English speaking countries (5%)	India (1%)
Oriental countries (3%)	Navajo (5%)
African countries (3%)	No answer (3%)
Latin American countries (4%)	

5. Native Language:	English (71%)	Chinese (2%)
	Spanish (8%)	German (3%)
	Arabic (1%)	French (1%)
	Navajo (3%)	Others (7%)
	Japanese (3%)	No answer (1%)

6. Are you a member of LSA?	No (66%)	No answer (1%)
	Yes (33%)	

7. Are you a member of TESOL?	No (65%)	No answer (5%)
	Yes (30%)	

8. What is your regular position? (Check the appropriate categories)

Student	No (53%)	Yes (47%)	
Supervisor	No (97%)	Yes (3%)	
Teacher trainer	No (91%)	Yes (9%)	
Administrator	No (97%)	Yes (3%)	
Teacher	No (48%)	Elementary (6%)	College (29%)
		Junior High (1%)	Graduate (2%)
		Senior High (4%)	Not specified (10%)

9. Source of support for attending the institutes:

	Self	Other	No answer
Travel	46%	22%	32%
Tuition	33%	41%	26%
Housing	45%	24%	31%
Food	49%	19%	32%
Other expenses	33%	6%	61%

10. What was your institutional affiliation last year?	Specific responses summarized:
None (7%)	UNM (16%)
	Other (56%)
	No answer (21%)

11. What brought you to the institutes? (Check one)

LSA interests (35%)	Both (47%)
TESOL interests (13%)	No answer (5%)

12. Would you have attended anyway if the institutes had not been offered for credit?
 No (27%) Yes (65%) No answer (8%)

13. What courses did you take? Summarized as number of courses
- | | None | 1 | 2 | 3 | 4 | 5 | 6 |
|------------------------|------|-----|-----|-----|----|----|----|
| For credit | 21% | 15% | 40% | 23% | -- | 1% | -- |
| For audit | 55% | 20% | 14% | 8% | 2% | -- | 1% |
| Occasionally sat in on | 52% | 19% | 13% | 13% | 2% | 1% | -- |

B. PROGRAM INFORMATION

14. To what extent do you feel that course offerings were adequate and well-balanced?
- | Not at all | | | Somewhat | | | Very much so | | | No answer | Mean |
|------------|----|----|----------|-----|-----|--------------|--|----|-----------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | |
| -- | 2% | 3% | 10% | 18% | 43% | 23% | | 1% | 5.714 | |

15. What specific changes would you recommend for future institutes?

No change (5%) Several changes (7%)

One or two changes (35%) No response (53%)

16. Do you think the LSA and TESOL organizations should hold their institutes
 Together (69%) Separately (15%) No response (16%)

17. Opportunities to meet with faculty and other students:

Not enough		Adequate			Ample		No answer	Mean
1	2	3	4	5	6	7		
2%	6%	7%	24%	18%	31%	9%	3%	4.857

18. To what extent did you find the lectures interesting and useful?

	Not at all		Some-what		Very much	Did not attend	Mean
	1	2	3	4	5		
Newmeyer	4%	8%	11%	10%	10%	57%	3.313
Carroll	20%	7%	9%	2%	3%	59%	2.065
Langacker	10%	10%	7%	9%	5%	59%	2.701
Greenberg	3%	9%	14%	15%	8%	51%	3.341
Lastra de Suarez	2%	5%	11%	9%	6%	67%	3.339
Krashen	1%	2%	6%	12%	33%	46%	4.396
Swain	--	2%	6%	10%	24%	58%	4.333
Halliday	1%	2%	7%	12%	27%	51%	4.272
Spolsky	1%	5%	7%	11%	17%	59%	3.947
Brown	7%	5%	6%	8%	9%	65%	3.154
Newman	1%	1%	6%	3%	4%	85%	3.607
Cazden/Erickson/Adelman	13%	6%	12%	2%	4%	63%	2.435
Hymes	1%	4%	11%	10%	18%	56%	3.940
Malkiel	4%	3%	9%	11%	5%	68%	3.333
Fishman (Yet Another...)	3%	5%	5%	14%	17%	56%	3.867
Rebert	7%	3%	9%	3%	4%	74%	2.688
Fishman (What's Wrong...)	1%	5%	8%	11%	21%	54%	3.977
Kaplan	4%	4%	5%	6%	3%	78%	3.025

19. To what extent did you find the conferences interesting and useful?

	Not at all	1	2	3	4	5	Very much	Did not attend	Mean
Language Testing	1%	7%	9%	7%	4%	72%			3.250
Uto-Aztecan Working	1%	1%	3%	4%	1%	90%			3.368
Symposium on Uto-Aztecan	2%	2%	5%	3%	5%	83%			3.531
Kiowa-Tanoan	1%	1%	2%	1%	2%	93%			3.692
Symposium/Lexicography	--	--	6%	3%	4%	87%			3.833
Symposium on Athapaskan	--	1%	5%	5%	9%	80%			4.167
Hispanic Linguistics	--	4%	5%	5%	9%	77%			3.814
Navajo Bilingual Educ	1%	1%	3%	2%	7%	86%			4.000
Neurolinguistics	--	2%	13%	16%	11%	58%			3.859
ADS Summer Meeting	1%	2%	5%	4%	1%	87%			3.240
TESOL Summer Meeting	3%	7%	21%	7%	12%	50%			3.362
Language Policy	2%	3%	5%	5%	3%	82%			3.257
Navajo Linguistic Society	--	1%	2%	5%	4%	88%			4.091
LSA Summer Meeting	1%	8%	18%	17%	12%	44%			3.548
Andean Linguistics	--	--	--	1%	3%	96%			4.714

20. Would you recommend the institute to others if next year's were to be like this one?

Not at all	1	2	3	Somewhat	4	5	6	7	Very much so	No answer	Mean
--	1%	3%	6%	21%	33%	35%	1%				5.908

C. ADMINISTRATIVE ARRANGEMENTS

21. Please comment on the clarity of the enrollment procedure, advertising of the institutes, housing facilities, and any arrangements that you believe need special attention in future. Summarized for needed improvement.

No problem (30%)	Improved a lot (1%)
Slightly improved (27%)	No answer (35%)
Improved quite a bit (7%)	

22. What other institutes have you attended if any? Give year, location, and organization (LSA or TESOL).

No previous institute (82%)	Two previous institutes (5%)
One previous institute (12%)	Three previous institutes (1%)

23. If you have attended other institutes, how would you rate the 1980 Institute in relation to that earlier experience?

Much worse	A little worse	3	About the same	A little better	Much better	No answer	Mean
1	2	3	4	5	6	7	
--	1%	1%	7%	3%	4%	4%	80%
							5.028

24. To what extent was your participation in the institutes this year worth the cost?

Not at all	1	2	3	Somewhat	4	5	6	7	Very much	No answer	Mean
--	--	1%	3%	16%	21%	36%	23%				6.132

Additional comments:

APPENDIX I

Institute Expenses

I attempt here to provide a succinct but comprehensive overview of the range of expenses associated with the 1980 Institute. Since a major intent is to provide information as guidance for future Institute directors, I try to give cost details (but not individual salaries) with some commentary. In some cases I can cite only approximate expenses; these are marked with an asterisk. Since this overview deals with funding from diverse sources, I will use the term "Institute Costs" for expenses specifically provided by the UNM central administration for the Institute. These "Institute Costs" are summarized in the final section of this appendix.

I. Visiting Faculty Salaries

- A. Total Costs. The salaries for 30 visiting faculty were arranged by the Institute directorate and paid directly by UNM, totaling \$115,157. These 30 faculty totaled 20.0 FTE, 40 courses. The average salary per course was \$2,879.
- B. Direct External Support. UNM received a total of \$18,300 from outside agencies in direct support of visiting faculty salaries:
 1. LSA support of Collitz and LSA professorships \$ 6,800
 2. TESOL support for visiting faculty salaries 10,000
 3. Calouste Gulbenkian Foundation support for the salary of Lindley Cintra 1,500
- C. Other External Support. In addition, indirect support directly to individual visiting faculty was arranged as follows:
 1. New Mexico State University: salaries for Dearholt, Dubois, and Valdés at .50 FTE each, totaling approximately \$8,000.
 2. Fulbright: roundtrip air fare from Lima, Peru, and approximately \$2,250 in per diem for Cerrón-Palomino.
 3. Instituto de Cultura Portuguesa: roundtrip air fare from Lisbon, Portugal, for Lindley Cintra.
 4. British Council: roundtrip air fare from London, England, for Allwright.
 5. Center for Applied Linguistics: \$1,638 contribution toward the participation of Tucker, the Center director.
 6. University of Arizona: four roundtrip air fares from Tucson for Jeanne, Oehrle, and Steele.
- D. Internal Support. The following supporting departments provided a total of \$24,179 from their regular Summer Session budgets in full or partial support of the salaries of those visiting faculty cited in parentheses:
 1. Anthropology (Miller, Silverstein) \$ 4,500
 2. Computer Science (Wall) 2,667
 3. Educational Foundations (Cazden, Silverstein) 3,750
 4. English (Schauber) 1,128
 5. Mathematics & Statistics (Wall) 2,667
 6. Modern & Classical Languages (Malkiel) 2,500
 7. Navajo Teacher Training Project (Perkins) 1,767
 8. Philosophy (Koerner) 2,500
 9. Psychology (Padilla) 2,700
- E. "Institute Costs" for visiting faculty salaries was \$72,678. (The total \$115,157 less the \$18,300 in (B) and the \$24,179 in (D).)

II. Local Faculty Salaries

These involved no "Institute Costs" since salaries (2/9 of academic year salary for 1.0 FTE) were provided from regular Summer Session budgets. A total of 6.5 FTE were provided by the following departments, with the Institute faculty and their FTE support in parentheses:

1. American Indian Bilingual Education Center (Medina, Tang, and Zaharlick, 1.0 FTE total)
2. Anthropology (Bock, .50 FTE)
3. Communicative Disorders (Butt, .50 FTE)
4. Educational Foundations (John-Steiner, .25 FTE)
5. English (Pickett, .50 FTE; E. Spolsky, .25 FTE)
6. English Tutorial Program (Brodkey, .50 FTE)
7. Linguistics (Hudson-Edwards, .50 FTE; Oller, .50 FTE)
8. Modern & Classical Languages (Bergen, .50 FTE; Lamadrid, .50 FTE)
9. Secondary & Adult Teacher Education (White, 1.0 FTE)
10. Testing Division (Young, .50 FTE)

III. Administrative Staff Salaries

A. Total Costs. The following includes only special Institute expenditures, beyond the usual Department of Linguistics budget, totaling \$16,345:

1. Faculty directorate, totaling 1.25 FTE for the eight week Summer Session (Bills, .75 FTE; Hudson-Edwards, .25 FTE; Oller, .25 FTE) \$ 6,209
 2. Assistant to the Director (Doviak, a graduate student), approximately 10 hours weekly for 26 weeks during the 1979-80 academic year and 20 hours weekly for 11 weeks during the 1980 summer. 3,000*
 3. Research Assistant (Khan), approximately 15 hours weekly for 15 weeks 1,600*
 4. Graduate Assistants, 8 at .25 FTE for the eight week Summer Session, including tuition remission for 1.5 credit hours each. Although some GA time was spent in assisting professors with high-enrollment courses, these GAs worked primarily on Institute administrative duties, from staffing the Institute headquarters and Reading Room to planning special activities. 4,136
 5. Papago Language Consultant (Rosilda Manuel) for Miller's Linguistic Field Methods course, 12.5 hours weekly for eight weeks 500
 6. Work-Study Assistants, 2 at approximately fulltime for 12 weeks during the summer 900*
- B. External Support. The \$1,600 for the Research Assistant above came from the NEH grant for the Athapaskan Symposium.
- C. "Institute Costs" for administration totaled \$14,745. (The \$16,345 total costs in (A) less the \$1,600 in (B).)

IV. Supplies and Expenses

The following are only roughly estimated expenditures, totaling \$5,750, approximating the "Institute Costs" beyond the regular supplies and expenses budget of the Department of Linguistics:

1. Institute posters, 10,000 copies \$ 850*
2. Institute brochures, 2,500 copies 1,200*
3. Postage and long-distance telephone 1,500*
4. Xeroxing and printing 1,000
5. Office supplies and miscellaneous 1,200

V. Evening Lectures

The sixteen Institute lectures listed in Appendix E were arranged with no "Institute cost".

- A. Of the thirteen Forum Lecturers, no remuneration whatsoever was provided for the four on-campus persons (Cazden, Krashen, Newman, and Spolsky), and travel and expenses for Brown were provided by TESOL. The remaining eight Forum Lecturers received an average of \$682 each--\$200 honorarium, \$350 air fare, and \$132 per diem (3 days at \$44). This \$5,455 cost was scrounged primarily from UNM sources: \$2,933 from the speakers' fund of the Office of Graduate Studies, \$400 from the Visiting Lecturers' Committee for the Humanities and Social Sciences, \$575 from research funds of the Department of Linguistics, and partial support for Lastra de Suárez from the Latin American Institute. Travel and per diem for Greenberg, Langacker, and Lastra de Suárez were provided by the NSF grant for the Uto-Aztecan Symposium.
- B. Following tradition, no remuneration was provided for the Collitz and LSA Lectures.
- C. With regard to the other three evening lectures: Rebert was provided an honorarium by the UNM Multicultural Education Center; Fishman received a modest honorarium from the Lecture Under the Stars speaker series; and Kaplan's talk was part of the Language Policy Seminar funded by the Ford Foundation.

VI. Conferences and Meetings

All "Institute costs" for the sixteen conferences and meetings listed in Appendix F are included under Supplies and Expenses in (IV) above. That is, the only "Institute costs" for these activities were expenses of telephone, postage, and miscellaneous costs of supplies and duplication. We are not able to isolate these costs, but it is clear from the size of (IV) that they were quite modest. On the other hand, there was a huge amount of outside support for these activities:

- A. National foundations provided a total of \$50,920 in support of six of the conferences:

National Science Foundation	
Uto-Aztecan Symposium	\$13,646
Neurolinguistics Symposium	7,410
National Endowment for the Humanities	
Lexicography Symposium	8,555
Athapaskan Symposium	9,315
Ford Foundation	
Workshop on Sociolinguistic/Ethnographic Methods	10,086
Language Policy Seminar	8,688
National Center for Bilingual Research	
Workshop on Sociolinguistic/Ethnographic Methods	1,600

All of these awards were made to UNM, except that the Lexicography Symposium award was to the University of Chicago.

- B. Though not specifically a part of the Institute, the NEH Summer Seminar for College Teachers directed by B. Spolsky was planned and justified on the basis of the attractiveness of the Institute, and the relationship between the Seminar and the Institute was mutually rewarding in several ways. National Endowment for the Humanities support for that Seminar was \$45,811.
- C. The summer meetings of TESOL and LSA were entirely supported by those two organizations, partially on the basis of registration fees.

- D. The only other conference that had a registration fee was the Language Testing Conference, which charged a modest fee of \$2 for students and \$5 for faculty. These fees were deposited in the Department of Linguistics account, but are not subtracted from the costs given in (IV) above.

VII. Support for Students and Visiting Scholars

The LSA awarded a total of \$47,764 in fellowships for Institute students, as detailed in Appendix C. These funds were provided by the LSA and the Ford Foundation (including a special Ford grant of \$6,200 directly to UNM for minority fellowships). We have no way of knowing the many other sources of support for Institute participants. It is however known that the Agency for International Development provided support for at least fifteen Egyptians and one Syrian and that the Institute for International Education (Fulbright) supported at least three students (from Algeria, Italy, and Korea) and five visiting scholars (from the Ivory Coast, Upper Volta, Yugoslavia (2), and Zaire). Others received support from their home universities and departments, professional organizations, private foundations, and government entities. For example, one student received an all-expenses fellowship from the El Paso area regional TESOL association (TEXTESOL-I); another received a tuition fellowship from the New Mexico TESOL organization; and several Native Americans were awarded partial support from the University of Arizona through an NEH grant.

* * * * *

To summarize and interpret briefly, the total "Institute costs", as provided in (I), (III), and (IV) above, amounts to \$93,163. The 1980 Institute was phenomenally cheap for the host institution! This total is, in fact, almost \$15,000 less than the expected expenditures (\$108,000) provided in our original formal proposal to host the Linguistic Institute back in November, 1977. Even with the effects of three years of raging inflation, we were able to stay well within the black with an already minimal budget. This almost incredible fact was made possible by a miserly administration at UNM, a penny-pinching Institute director, and an Institute staff who almost worked themselves into nervous breakdowns. Future Institute directors will surely be wiser than I, for it was certainly not the cheapness to UNM that made this Institute a success (except perhaps in the view of some UNM administrators). We were very fortunate in being able to secure sizeable outside support--at least triple the "Institute costs"--as partially documented above. That outside support contributed enormously to a successful 1980 Institute. Our gratitude to all those sources is equally enormous.

APPENDIX J

Evaluation of UNM Support Units

It is simply impossible to acknowledge all the offices and persons at UNM who contributed to--and detracted from--the success of the Institute. I attempt to do so here, however, on the assumption that the university administration will find useful a critical evaluation of a broad range of UNM facilities and services by a novice user of so many support areas.

My comments are divided into two parts. First, the "administrative/service" units that exist to support endeavors such as the Institute are rigorously evaluated via the traditional grading system (A, B, C, D, and F)--without grade inflation. Second, the "academic" units from which assistance was requested are briefly acknowledged. My evaluation is based strictly on performance related to the Institute; other experiences with these units have, I hope, had no influence on my judgments here. Persons mentioned specifically are simply those with whom I had considerable personal contact on Institute business.

I. Service/Administrative Units

A = Excellent Performance

Admissions and Records: Everything dealing with scheduling, admissions, registration, fellowships (and many other services beyond the call of duty) were handled superbly. The occasional problems pale in comparison to the enormity of the task and the flexibility and kindnesses displayed. Very special thanks to Rick Legoza and Jim Acosta in varied capacities, to Sue Hart and Cindy Stuart in admissions, to Laura Grissom and Dorothy Bealmear in scheduling, and to Debbie Morris in cashier's.

UNM Bookstore: A beautiful example of assistance and cooperation, due to the individual attention, care, and concern of Alice Matvichuk.

Language Learning Center: tremendous help from Neddy Vigil.

Graphic Design: Steve Rhodes kindly and conscientiously developed Institute design materials of elegance and beauty. (The remaining components of the PIO are evaluated as F below.)

B = Good Performance

Provost's Office: Verbal support and encouragement from Provost Hull was superb. But hustling the pennies through Vera Norwood was a pain in the extreme, though she was otherwise very helpful. The handling of faculty contracts was very good, special thanks to Joanna Bartlett.

Library: Judy Pence labored diligently in a new area of acquisitions for her. The staff in general seemed to be interested in and highly supportive of the special Institute needs.

ASUNM Duplicating Center: This student-operated facility should be emulated by some similar bureaucracy-operated units. Truly rates a B+ for the efficiency and cooperativeness of the operation.

C = Satisfactory Performance

College of Arts and Sciences: Dean Wollman was moderately supportive. Ralph Norman was quite incapable of understanding the added complexity to his Summer Session budgeting. Enormous help and guidance from Lynette Wilson raises A&S support to the satisfactory level.

J-2

Child Care Co-op: Disorganized, but adequate.

Faculty Club: Though Cliff Pope was personally very helpful in reaction to specific requests, no action was taken to encourage Institute professors and guests to utilize the club.

New Mexico Union: This evaluation is really a balance between an F under Ted Martinez and an A after Cliff Holt took over; in the latter stage Arlene Fitzpatrick was also of super assistance and understanding.

Printing Plant: Slow and surprisingly expensive, but excellent work in the printing of our posters and brochures. However, for reliability, price, and courtesy in making photocopies, the ASUNM Duplicating Center was far superior.

Research Administration: Tina Benton's competence and consideration were outstanding. Otherwise little service or interest there.

Student Activities: Karen Abraham was very considerate in cooperating in arrangements for the "Lecture under the Stars" series and for the rental of sorority houses.

Student Financial Aids: Perhaps a lower rating deserved for the sloppy and thoughtless handling of work-study employees.

D = Barely Passing Performance

Continuing Education: Although Rupert Trujillo and Roland Tovar were very pleasant in early discussions, it was mutually agreed that their service could be of little use to the goals of the Institute. It is hard to understand what their "Conferences and Institutes" unit contributes to the academic mission of UNM.

Contract and Grant Accounting: Somehow matters were actually taken care of, too often only in response to loud and piercing screams. It is an incredible hassle to deal with the petty pea-brained bureaucracy exemplified by Darlene Foskey.

Housing and Food Services: Advance planning was good in intent but flawed in action. The handling of reservations was confused and confusing and often downright callous--I haven't the space to detail horror stories of some individual cases. Vickie Bower does not seem to understand the importance of interpersonal kindness in a service unit. Bob Schulte tried, but it is apparent that he is strongly pressured to "make money" during the summer and ignore the academic mission of UNM. (I must add that visitors seemed generally quite pleased with their stay in the dorms--after they got in!)

Instructional Media Services: Adequate equipment and service generally, but often with a scowl, only upon request or demand, and only with a hefty account to charge. IMS was incapable of providing an adequate microphone system for lectures in the Kiva.

Payroll: The job was handled--but only barely, and with insensitivity and even stupidity. Ray Nelson simply did not know his job, providing incomplete information on foreign faculty taxes (a problem that was later botched even more) and indirectly contributing to a near catastrophe with wrong advice on visiting faculty health insurance.

F = Failing Performance

Parking Services: No concept of service (except perhaps in the horse-breeding sense). Minimal and indeed erroneous assistance in planning. The office reeks with incompetence and rudeness from Walter Birge down.

Public Information Office: Accomplished almost nothing for one of the most significant special academic activities at UNM in years. Janis Nichols'

simple explanation to me was that "it won't sell"; to the extent that this is true it raises serious questions about either the need for the PIO or the competence of its staff. What little publicity we got through the PIO was spoiled with inaccuracies. Rick Brinneman is clearly an incompetent writer.

The "Physical Plant" defies evaluation by me (and perhaps by everyone else), but a few evaluatory comments may be made: The inability to handle the cooling system, especially in the Kiva, was horrifying. The janitors in the Humanities Building were exceedingly considerate and helpful. Our visitors were highly impressed with the appearance of the campus, particularly in the central mall areas.

II. Academic Units

The Institute was truly made possible by the faculty support and general encouragement provided by the fourteen other departments noted in parts I.D and II of Appendix I. Regrettably, three other departments--Elementary Education, Sociology, and Speech Communication--reneged on their earlier commitments of support. It is equally regrettable that four units espousing an interdisciplinary orientation and whose interests were strongly represented in the Institute declined to provide any support whatsoever; these units were American Studies, Chicano Studies, Native American Studies, and Women Studies.

Our sibling departments in the Humanities Building and in Ortega Hall were tremendously helpful in logistical support of the Institute. The generosity of faculty and staff in English, Mathematics & Statistics, Modern & Classical Languages, and Philosophy made it possible to provide individual offices for all 32 visiting faculty in these two convenient buildings. The complete facilities of the Honors Center were turned over to us as the headquarters for the Institute, an almost incredibly kind and unselfish act. For unending help with facilities and daily handling of crises throughout the spring and summer of 1980, we express very special thanks to Jan Claus (Philosophy), Katy Martin (English), Sue Pickett (Honors Center), Shirley Harty and Carol Marsh (Mathematics & Statistics), Joan Lefkoff (Modern & Classical Languages), and Mary Kollander (Graduate Studies); these office staff by their actions and manner displayed a true understanding of the purpose of this university that merits more tangible rewards than my simple expression of gratitude.

THE REPORT OF THE DEPARTMENT OF MATHEMATICS AND STATISTICS

JULY 1, 1980 - JUNE 30, 1981

W. T. KYNER - CHAIRMAN

During the academic year 1980-1981 the Department provided instruction to 13,196 students totalling 47,557 credit hours (these figures reflect the 21-day status). This is an increase of 1,023 students and 3,687 credit hours compared to the Academic year 1979-1980. During the Summer session, 1980, the Department provided instruction to 1,271 students totalling 4,235 credit hours.

I. GENERAL DEPARTMENT INFORMATION.

A. EVENTS AND CHANGES.

1. Pre-calculus Courses and High School Programs.

In August 1981 Laura Cameron was appointed Director of Freshman Mathematics. As Director, she is responsible for the pre-calculus courses, including Math 100, the training and supervision of teaching assistants, and liaison with the high schools. She has performed these tasks with rare skill. During 1980/81 6,284 (includes Summer 1980) students took pre-calculus courses with remarkably few problems. She organized and supervised the giving of the mathematics placement examinations on campus to incoming students and participated in a new program of giving the placement examinations in high schools in Albuquerque, Belen, and Los Alamos. This off-campus effort was started by R. Metzler with the cooperation of L. Cameron, R. Grassl, and W. Kyner. Our visiting the high schools was well

received by both the faculty and students..

The statewide mathematics contest was reinstated after a one year lapse. Tim Straney was in charge; R. Grassel and A. Hillman assisted. The first part of the examination was taken by 3,200 students at 107 high schools. Those who did well were invited to take the more difficult second part at the University of New Mexico. 290 students took the second part: It was followed by an awards banquet.

Members of the department participated in Parent's Day, Senior Day and new student orientations. They also cooperated with the Albuquerque Public Schools in discussions of high school mathematics requirements.

2. Curriculum Changes.

The requirements for a mathematics major and minor were extensively changed with the new programs being more coherent and demanding than the old. An Operations Research option for the Master's degree is being developed and will be ready for approval and implementation next year.

3. The UNAM-UNM Programs.

A joint Ph.D. Program in Applied Mathematics has been set up with the Department of Mathematics of UNAM in Mexico City. Under this program students nominated by UNAM and approved by UNM would spend a minimum of one year taking course work at UNM and would have the option of doing their research either at UNM or at UNAM. A student doing research at UNAM would be under the joint supervision of a UNAM professor and a UNM professor. Since the degrees would be

awarded by UNM, a student must satisfy our requirements including the passing of a comprehensive examination and the completion of a research dissertation. Two students from Mexico are currently in our program and several more are expected next year.

4. Office and Faculty.

A major change was made in the organization of the department office. The main work area was expanded to make room for an additional desk. The secretary at the desk answers many of the inquiries that earlier would be directed to the more senior staff. Shirley Harty was promoted to Office Manager. Her new duties include the supervision of the junior office staff, the selection and supervision of student help and the department computer budget. The new system has worked quite well.

Associate Professor Cathy Macken has accepted a faculty position in New Zealand and will be replaced by by Edward Bedrick who will start Semester II. We will have two visiting professors with us for 1981/82, they are Professors Homer Walker from the University of Houston (area of interest is numerical analysis, statistical pattern recognition, scattering theory and partial differential equations) and Michael Pilant, Courant, New York University, (area of interest in Mathematics with applications in Physics/Engineering, applied mathematics.) The Department had two visitors this year - they were: Professors Charles Walter, Brigham Young University, Sem. II, and Tomas Recio, Universidad Complutense de Madrid, Spain, Sem. I.

R. Grassl, R. Schrader, and C. Wofsy were promoted to Associate Professor. R. Allen was promoted to Full Professor.

5. Recruitment, Activities, Students.

Our department continues to make significant contributions recruiting and encouraging minority students in mathematics and sciences. Most of these efforts are directed by Richard Griego. He is the director of the Southwest Resource Center for Science and Engineering, which is funded by NSF for 2.7 million dollars for a four year period. Our department participated directly with the Resource Center this summer in offering a special short course in mini-computers to mathematics teachers in targeted middle schools of New Mexico. The Minority access to Resource Career (MARC) Program continues into its fourth year of operation. This is a NIH funded program also directed by Richard Griego. The Graduate Professional Opportunities Program, a HEW-funded Title IX program, provides four fellowships to minority and/or women graduate students in our department.

The Department Colloquium Series under the guidance of Professor Alexander Stone featured thirty-two speakers this year. Speakers came from such U.S. schools as University of Minnesota (3), University of California-Berkeley, University of California-Los Angeles, University of Washington, University of Chicago, University of Utah (2), University of Indiana, University of Texas (2), Brown University, California Institute of Technology, Naval Research Laboratory-Washington, D.C., and SUNY at Buffalo. Foreign speakers were from the University of Singapore, Universidad Complutense de Madrid, Birkbeck College-London, Universidad Nacional Autónoma de Mexico, Universität Dortmund-Federal Republic of Germany, Universität

Bielefeld. We also had speakers from Lockheed Missiles and Space Co., New Mexico Institute of Mining and Technology. Five graduate students in our department presented their Defense of Dissertation during our regular colloquium scheduled hour and announcements were sent to our regular colloquium mailing list.

The gifts to the Department for the 1980/81 year were:

1. \$495.00 was given to the Department by Sandia Laboratory's University Programs Education and Training, to support the Department's graduate program and to be used in any manner deemed appropriate.
2. Vol. 337 of the Annals of New York Academy of Sciences, 3rd International Conference donated by Dr. David Bennahum (\$39.00).

Enrollment figures for Graduate Students are listed for the past eleven years.

1980/81	42 Full-time students,	23 part-time students.
1979/80	36 Full-time students,	22 part-time students.
1978/79	30 Full-time students,	20 part-time students.
1977-78	30 Full-time students,	11 part-time students.
1976-77	37 Full-time students,	17 part-time students.
1975-76	46 Full-time students,	34 part-time students.
1974-75	39 Full-time students,	26 part-time students.
1973-74	48 Full-time students,	25 part-time students.
1972-73	46 Full-time students,	41 part-time students.
1971-72	61 Full-time students,	64 part-time students.
1970/71	59 Full-time students,	44 part-time students.
1969-70	47 Full-time students,	46 part-time students.

Enrollment for Undergraduate Math Majors for the past nine years.

1980/81	127 Undergraduate Mathematics Majors.
1979/80	127 Undergraduate Mathematics Majors.
1978/79	129 Undergraduate Mathematics Majors.
1977/78	110 Undergraduate Mathematics Majors.
1976-77	141 Undergraduate Mathematics Majors.
1975-76	144 Undergraduate Mathematics Majors.
1974-75	139 Undergraduate Mathematics Majors.
1973-74	112 Undergraduate Mathematics Majors.
1972-73	118 Undergraduate Mathematics Majors.

GRADUATION	1980/81	79/80	78/79	77/78	76/77	75/76	74/75	73/74
Ph.D.	7	3	1	6	6	5	5	5
Master's	7	5	7	5	7	5	4	8
B.S.	16	20	15	20	32	30	35	24

Department Report on Graduate Admissions.

74	Original inquiries by students.
47	Applications completed. (27 not completed)
6	Rejected by University.
24	Students declined admission offer.
17	Students accepted.

Nine of the twenty-two teaching assistants appointed in the Department of Mathematics for the 1980/81 academic year were new students in our graduate program.

Names, former university, and degree of new students enrolled in 1980/81

<u>NAME</u>	<u>FORMER UNIVERSITY</u>	<u>DEGREE</u>
ANDRADAS, Heranz, Carlos	Universidad Complutense	M.A.
CHOATE, Jephthah L.	University of New Mexico	B.A.
EPLER, William Christopher	Kansas State College	B.A. (Philosophy)
ESPINO, Victor	Complutense Universitat	M.A.
FORTNEY, John David	University of Oklahoma	B.S.
GUTIERREZ, T. Luis Alfredo	University of Wisconsin	M.S.T.
JOHNSON, Karen Anne	Gettysburgh College	B.A. (English)
KITACAWA, Takashi	Nagoya University(Japan)	M.S. (Science)
LUNDQUIST, Donna Spotswood	U.S. Air Force Academy	B.S. (Oper. Research)
MARTIN, Paul R.	University of New Mexico	M.A.
PARTCH, James Clayton	University of New Mexico	B.S.
PETERSON, Stephen Platt	Tulane, New Orleans, LA	B.A. (Pol. Sci)
PILON, Daniel Richard	University of Virginia	B.S.
PLISCH, James Leonard	University of Albuquerque	B.S.
ROLLSTIN, Judith Ann	Iowa State University	B.A.
SMITH, Sue Ellen	University of New Mexico	B.S.
SCHIRBER, Patrick	University of New Mexico	B.U.S.
SU, Jing-Shio Chen	University of New Mexico	M.A.

II. COMPOSITE OF INFORMATION REQUESTED ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS.

1. ADVANCED STUDY

Timothy B. Straney: Course work continuing toward attainment of an M.S. in Computer Science.

2. SABBATICALS, LEAVES OF ABSENCE, TRAVEL, ETC.

Bernard Epstein: Began full year of Sabbatical leave at University of Maryland in August 1980.

Liang-Shin Hahn: Leave of Absence August 1979-August 1980
Mathematics Department, National Taiwan University, Taipei, Taiwan.

3. NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

None

4. PUBLICATIONS.

Richard C. Allen, Jr.: (with G.M. Wing) Solution Methods for Integral Equations, Plenum Press, 1979.

(with J.L. Omdahl, R.P. Eaton) Vitamin D, Basic Research and its Clinical Applications, Walter de Gruyter and Co., Berlin, New York, 1979.

(with R.P. Eaton, D. Schade, J. Standifer) Normal insulin secretion: the goal of artificial insulin delivery systems, Diabetic Care, 3 (1980) 270-273.

(with R. P. Eaton, E. Schade, K. Erickson, J. Stadifer) Pancreatic insulin production in man: measurement by inverse solution of peripheral connecting peptide behavior, J. Clin. Endocrin. Metabolism, 51 (1980) 520-528.

Alfred Carasso: A stable marching scheme for an ill posed initial value problem. Submitted for publication.

Determining surface temperatures from interior observations. Submitted for publication.

Robert F. Cogburn: Markov chains in random environments: the case of Markovian environments. Annals of Probability, Vol. 8, 908-916, 1980.

Birth and death processes with random environments in continuation time. (with William Torrez). (Summary of paper to appear.)

Advances in Applied Probability, Vol. 12, 280 (1980).

Ralph E. DeMarr: A generalization of Sinkhorn's theorem, Linear Algebra and Appl., to appear.

On singular M-matrices, Linear Algebra and Appl., to appear.

Donald W. Dubois: Real Commutative Algebra II, published in Rev. Hisp-Americana (Mathematics).

Gustave Efroymson: Real algebraic geometry and the Hilbert 17th Problem, Math. Annal., Vol. 251, 213-241 (1980).

James A. Ellison: Dechanneling by Curved Planes: Dislocations and Bent Crystals, submitted for publication.
Error Gradient Structure, Kirtland Air Force Laboratory Technical Report (1980).

Roger C. Entringer: Extremal Maximal Uniquely Hamiltonian Graphs (with C.A. Barefoot), J. Graph Theory 4(1980), 93-100.
Minimum Graphs with Complete k-closure (with L. Clark and D.E. Jackson), Discrete Math. 30(1980), 95-101.
Gossips and Telegraphs (with P.J. Slater), J. Franklin Inst. 307 (1979), 353-360 (appeared in 1980).
Spanning Cycles in Nearly Cubic Graphs (with H. Swart), J. Combin. Theory 29 (1980).

Howard D. Fegan: The Spectrum of the Laplacian on Forms over a Lie Group, Pacific J. Math., 89 (1980).

Archie G. Gibson: A Two-Hilbert Space Formulation of Multichannel Scattering Theory, (with C. Chandler), in Mathematical Methods and Applications of Scattering Theory, J.A. DeSanto, et al, eds. Springer-Verlag, Berlin, 1980, pp. 134-148.
A New Method of Approximation in Nuclear Reaction Theory, (with C. Chandler) in Proceedings of the 9th International Conference on the Few Body Problem, Vol. I, Univ. of Oregon, Eugene, 1980, pp. 7-8.

Richard Grassl: Polynomial ring generated by tableau shapes (with A. Hillman) August 2, 1980 by the European Journal of Combinatorics
Self-Generating Sequences, Sept. 10 to the Fibonacci Quarterly.

Liang-Shin Hahn: Egyptian Fractions - A Survey of Current State, Mathmedia, Vol. A (1980), No. 3, 8 -12.

Reuben Hersh: Hyperbolic Equations with Coefficients in an Enveloping Algebra, J. Diff. Eq. Vol. 34, No. 3, pp 405-426 (with Stanly Steingberg)
The Mathematical Experiences. (with P. Davis) Birkhauser, Boston, forthcoming.

Abraham P. Hillman: Recursive, Spectral and Self-Generating Sequences, Fibonacci Quarterly, Apr. 1980, pp. 97-103 (V.E. Hoggatt, co-author).
The (40th) W.L. Putnam Mathematical Competition, Amer. Math. Monthly, Oct. 1980, pp. 634-640 (with L.F. Klosinski and G.L. Alexanderson).
Polynomial Ring Generated by Tableau Shapes, (with R. Grassl) European Journal of Combinatorics.

Lambert H. Koopmans: Steroid Hormones and Aging: Free Testosterone, Testosterone and Androstenedione in Normal Females Aged 20-87 Years (with F. Purifoy and R. Tatum), Human Biology, 52 pp. 181-191, 1980.
Androstenedione, testosterone and free testosterone concentrations in women of various occupations (w/F. Purifoy) Social Biology, 26, pp. 179-188, 1980.

W.T. Kyner: Bulk flow of brain interstitial fluid under normal and hyperosmolar conditions, (w/G.A. Rosenberg and E. Estrada). Am. J. Physiol. 238, F42-F49 (1980).

Gray and white matter brain-blood transfer constants by steady-state tissue clearance in cat, (w/G.A. Rosenberg). Brain Research, 193, 59-66 (1980).

The effect of mannitol-induced hyperosmolarity of transport between brain interstitial fluid and cerebrospinal fluid. (J. Wood, Ed.) (w/G.A. Rosenberg) Neurobiology of Cerebrospinal Fluid 2.

Alternations in Pentobarbital Pharmacokinetics in response to Parental and Enteral Alimentation in the Rat. R.G. Knodell, Monroe H. Spector, D.A. Brooks, F.X. Keller and W.T. Kyner. To appear in Gastroenterology.

Alteration in Pentobarbital and Meperidine Pharmacokinetics induced by bile duct ligation in the Rat. R.G. Knodell, D. Brooks, R.C. Allen, W.T. Kyner. Accepted by the Journal of Pharmacology and Experimental Therapeutics.

Parameter Estimation Techniques Used in the Determination of the Bulk Flow of Brain Interstitial Fluid, (w/G.A. Rosenberg) accepted for publication by the American Mathematical Society.

C.W. Onneweer: On the definition of dyadic differentiation, in Appl. Anal. 9 (1979), 267-278.

Differentiation of fractional order on p-groups, approximation properties. Anal. Math. 4 (1978), 297-302.

Fractional differentiation and Lipschitz spaces on local fields, in Trans. Amer. Math. Soc 238 (1980), 155-165.

On point wise differentiability of functions on a p-adic or p-series field, in Ann. Univ. Sc. (Budapest), Sechio Math. 22-23.

Pramod K. Pathak: Integration of surveys (with J. Maczynski). Scan. J. Statist. 7 (1980) 130-138.

Note on Basu's Lemma. Studia Sci. Math. Hung. 11 (1976), 297-299.

David A. Sanchez: Some additional aspects of ground water resources and replacement flows in semi-arid agricultural areas (w/ M. Gisser), Int. J. Control 31 (1980), 331-341.

Computing periodic solutions of Riccati differential equations, Appl. Math. and Comp. 6 (1980), 283-287.

Competition versus optimal control in ground-water pumping, (w/ M. Gisser). Water Resources Research 16 (1980), 638-642.

Linear age-dependent population growth with seasonal harvesting, Journ. Math. Biol. 9 (1980), 361-368.

Ronald M. Schrader: Robust analysis of variance based upon a likelihood ratio criterion. Biometrika 67, 93-101.

Use and interpretation of robust analysis of variance. In proceedings of ARO Conference on Modern Data Analysis, Academic Press, New York (to appear).

Least absolute errors analysis of variance. Submitted for publication. A comparison of methods for Studentizing the sample median.

Submitted for publication.

Stanly Steinberg: (With B. Wolf) Groups of integral transforms generated by Lee Algebras of second-and higher-order differential operators. *Il Nuovo Cimento*, 53, 1979, 144-177.
(With R. Hersh) Hyperbola equations with coefficients in an enveloping algebra, *Journal of Differential Equations*, 34, 1979, 405-426.

Alexander P. Stone: Conservation Law of Fluid Dynamics, *SIAM Review*, Vol. 22, Jan. 1980, 12-27.

Carla Wofsy: Analysis of a Molecular Signal for Cell Function in Allergic Reactions, *Math Biosciences* 49, 69-86.

William J. Zimmer: A General Continuous Sampling Plan for Controlling the AOQ (w/C.Y. Tai) *Quality Technology* Vol. 12, No. 4, Oct. 1980, 191-195.

A Bayesian Approach to Accelerated Life Testing (w/P.K.Pathak). To be published in the Proceedings of the Reliability and Maintainability Conference, Jan. 1981.

5. OTHER RESEARCH PROJECTS OR CREATIVE WORK IN PROGRESS.

Richard C. Allen, Jr.: Kinetic analysis of insulin behavior by interactive simulation (w/R.P. Eaton, K. Erickson, D. Schade), *Proceedings of the 7th New England Bioengineering Conference*, 1979; An algorithm for solving Fredholm integral equations with displacement kernels (w/ G/ Borcourt), To appear, *J. Math. Anal. Appl.*; KABIS, kinetic analysis by interactive simulation (w/R.P. Eaton, K.M. Erickson) In press, *Proceedings of Workshop on Lipoprotein Kinetics*, 1980 (Ed., M. Berman, S. Grundy, B. Howard); Beta-apo₅ lipoprotein secretion in man: investigation by analysis of serine aminoacid incorporation into apoprotein (w/R.P. Eaton, D. Schade), In press, *Proceedings of Workshop on Lipoprotein Kinetics*, 1980 (Ed., M. Berman, S. Grundy, B. Howard); Epidemiology of hypercholesterolemia in a free-living southwest population in Bernalillo County New Mexico (w/R.P. Eaton, L.H. Koopmans, H. Ellis, J. Abrams, D. Schade), *Proceedings of the A.O.B. Conference on Biochemistry of Clinical nutrition*, American Association for Clinical Chemistry, 1980; Alteration in pentobarbital and meperidine pharmacokinetics induced by bile duct ligation in the rat (w/R.G. Knodell, D. Brooks, W.T. Kyner), To appear, *J. Pharm. Exper. Therapy*; Metabolism of beta-apoprotein within VLDL, IDL and LDL: normolipidemia and endogenous hypertriglyceridemia-contribution of degradation versus conversion to LDL in the catabolism of VLDL and IDL (w/R.P. Eaton, D. Schade), Revision requested, *J. Clin. Invest.*, 1980; Receptor depletion in diabetes mellitus and correction with therapy (w/R. Galagan, R.P. Eaton, E. Kaufman), To appear, *Diabetes Care*; Cord blood erythrocyte binding of I^{125} insulin: the effect of fetal hyperinsulinemia (w/E. Kaufman, R.P. Eaton), Revision requested, *Diabetes*, 1980; Preparation of a sophomore-junior level text on ordinary differential equations (w/W.T. Kyner, D. Sanchez); Research in progress: investigation of Fredholm integral equations of the first kind.

NIH Grant: Lipoprotein-Carbohydrate Metabolism, co-investigator, \$67,935 (3rd year of 3 year grant; NICHD Grant: Physiologic and Developmental Mech. in Diabetes, co-inves. \$35,000 (4th of 5 year).

Alfred Carasso: Maximum entropy methods in integral equations. Sponsored Research on Partial Differential Equations and Applications. U.S. Army Research Office, DAAG-29-78-G-0091. Three year Grant for over \$50,000. Renewal of above Grant for a further three years with budget of over \$100,000 has been approved by the Army Research Office.

Robert F. Cogburn: Birth and death processes with random environments in continuous time. (w/ William Torrez.) To appear in J. Applied Probability. On determining absorption probabilities for Markov chains in random environments. (w/ Richard D. Borugin.) To appear in Advances in Applied Probability.

Ralph E. DeMarr: A matrix algebra approach to linear programming. Conditional expectation idempotents. Block diagonalization of matrices.

D.W. Dubois: A Second Note on Artin's Solution of Hilber's 17th problem, Order Spaces, we accepted for publication by Pac. J. Math. Order extensions and real algebraic geometry, research article, completed (w/T. Recio). A Note on Robinson's non-negativity criterion, research article, completed (w/T. Recio). Applied for NSF Research Grant for 1981-1984.

Gustave Efroymsen: In progress: Extension theorem for Nash functions, may have factorization problem now. Also proved isotopy theorem.

James A. Ellison: NSF two year grant funded at \$25,000 for Theoretical Investigations of Particle Channeling. Dechanneling by Bent Crystals II, to be submitted. Several other projects in various stages of development as outlined in NSF proposal.

Roger C. Entringer: Longest cycles in 2-connected Graphs with prescribed Maximum Degree (w/ J. Bondy) accepted for publication in Canad. J. Math. A Census of Maximum Uniquely Hamiltonian Graphs (w/C.A. Barefoot) Accepted for publication in J. Graph Theory.

Bernard Epstein: I am participating actively in a research seminar in analytic function theory and am working on coefficient problems for certain families of functions analytic in the unit circle. In October and November I gave a lecture in the aforementioned seminar and also 2 departmental colloquium lectures. (Also have been invited to present colloquia at 2 other eastern schools.)

Howard D. Fegan: Organized a weekly seminar on Global Analysis and Differential Geometry.

Archie G. Gibson: N-Body Quantum Scattering Theory in Two Hilbert Spaces. III Approximation Solvability, (w/C. Chandler), in preparation. Connected Chandler-Gibson Equations and Direct Reactions, (w/W.N. Polyzou), in preparation.

Richard Grassl: Received A&S Research Grant of \$1400 to support summer research, which led to the completion of the above two papers.

Liang-Shin Hahn: Applications of Hyperfunctions to Harmonic Analysis Interpolation Theorems.
An Extension of the theorem of Pal-Bohr Fourier multipliers.

Reuben Hersch: NSF Grant #281-913-100.

Abraham P. Hillman: An invited paper in preparation for the Aug. 1981 Special issue of the Fibonacci Quarterly.

Lambert H. Koopmans: Textbook entitled, An Introduction to Contemporary Statistics, to be published Feb. 1981.

A paper, A new introductory course in statistics, presented at the conference on Teaching of Statistics and Statistical Consulting, held at Ohio State Univ., Nov. 24-25, 1980. To be published in a conference volume by Academic Press.

Serum Androgens by age in obese Pima Indian females (w/F. Purifoy, R. Tatum, D. Mayes). Accepted subject to revision by Jour. of Physical Anthropology.

Steroid hormones and aging in normal males (w/F. Purifoy). Submitted to Annals of Human Biology.

Walter T. Kyner: Effect of Increased CSF Pressure on Transport in Brain Interstitial Fluid (w/G.A. Rosenberg and E. Estrada), submitted for publication.

Collaboration with G.A. Rosenberg, M.D. on grants from the Veterans' Administration and the American Heart Society.

Richard C. Metzler: Article on structured programming in BASIC submitted.

James Patrick Miller: Monthly column in the Model Rocketeer, journal for the National Association of Rocketry.

Secured \$12,000 in funding for the 1980 World Spacemodeling Championships (Hobby Industry of America, Thiokol, TRW, Rocketdyne, Aerojet Services funding)

Secured \$4800 in funding for the 1980 U.S. Team to the World Championships (Estes Industries and Centuri Engineering Co. funding agencies)

Secured \$1200 in funding for the 1981 United States Spacemodeling Championships (Thiokol, Rocketdyne, Aerojet Services, Northrop funding agencies).

C.W. Onneweer: Saturation results for operators defining fractional derivatives on local fields (completed).

Bessel potentials and generalized Lipschitz spaces on local fields (w/H. Ombe; completed).

NSF Grant - SC-80-01870, 1979-1982.

Pramod K. Pathak: A Bayesian approach to accelerated life testing (w/ W.J. Zimmer) to appear in the 1981 annual publication of the Reliability and Maintainability Symposium). Asymptotic normality of the average of distinct units in simple random sampling with replacement (to appear in a special volume dedicated to Prof. C.R. Rau, honoring his sixtieth birthday.) Further work on graduate text in sampling on reliability and asymptotics in sampling is in progress.

Clifford Qualls: Ph.D. student Clifford Ball finished Summer 1980 dissertation title - Statistical Estimation of a Piecewise Barrier for Brownian Motion Based on First Passage Times.
Ph.D. student K. Kim began research for dissertation.
Research on Obtaining Confidence Limits for Seabird Density Estimates jointly with Dr. R. Glenn Ford.

David A. Sanchez: Periodic environments, harvesting, and a Riccati equation (to appear Proc. Conf. on Nonlinear Analysis, Arlington, TX, 1980).

Ronald M. Schrader: Department of the Army Research Office grant; \$40,000; Small Sample Properties of Robust Analysis of Variance; 2 year.

Stanly Steinberg: Set up the Vaxema code on the CS-Vax machine.
Set up the text editor on the PDP11/70 machine.

Alexander P. Stone: The Frobenius Theorem Associated with a Derivation. Submitted for publication.

Timothy B. Straney: Teaching experiment, implemented by computer, which tests the usefulness on constant and definitive grade status information.

Carla Wofsy: Submitted to Cell Analysis of Coated Pit Recycling on Human Fibroblasts, written jointly with Byron Goldstein.

William J. Zimmer: Between Bayes and Minimax, in progress.
Empirical Bayes Approaches to Accelerated Life Testing, in progress.
Partial Prior Information and Accelerated Life Testing, in progress.

6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES.

Richard C. Allen, Jr.: Presented papers at: SIAM National Meeting in Alexandria, VA; SIAM National Meeting in Houston, TX; SIGNUM in Albuquerque, NM; Workshop on Lipoprotein Kinetics in Phoenix, AZ.

Laura Cameron: Invited speaker at the Rocky Mountain Mathematics Consortium Conference on Evaluation of College Mathematics Programs; Spring 1980.

Alfred Carasso: Attended Symposium on Singular Perturbations, University of Wisconsin, Madison, May 1980.
Attended Los Alamos Conference on Elliptic Partial Differential Equations, Santa Fe, June 1980.

Ralph E. DeMarr: Auburn MATRIX Conference, Auburn University, Alabama, March 19-22, 1980.

Read a paper: Two abstract matrix models.

Donald W. Dubois: I read a paper at the Annual Meeting of AMS in San Antonio. Organized a Special Session for 1981 meeting in San Francisco, was invited to give an hour-long address at an international symposium in Rennes, France, next May (I accepted).

Gustave Efroymson: Attended AMS National Meeting In San Antonio, TX, Jan., 1980 and gave a paper on joint work with B. Wendroff, B. Swartz on symmetric function.

James A. Ellison: Participated in the Gordon research conference on particle - solid interactions in August. Presented a paper on dechanneling in bent crystals.

Roger C. Entringer: Girth of Cubic Graphs with Annular Symmetry - a paper presented at the Fourth International Conference on the theory and Applications of Graphs.
Graph Theoretic Modeling of Physical Systems - a paper presented at the FULMAN 4 meeting sponsored by IEEE.

Howard D. Fegan: Attended American Mathematical Society annual meeting in San Antonio, TX, Jan. 1980.

Archie G. Gibson: Invited participant at IXth International Conference on the Few Body Problem in Eugene, OR, August 17-23, 1980. Gave two talks. The first was published as 4(b) above. The second was titled Approximation Solvability and A-Proper Operators.

Richard Grassl: Referee for Pacific Journal of Mathematics, and Journal of Combinatorial Theory.

Liang-Shin Hahn: Internaitonal Symposium in Harmonic Analysis, Hsin-Chu, Taiwan, April 10-16, 1980.
Annual Meeting of Mathematical Society of China, Kaoshiung, Taiwan, Feb. 1980..

Reuben Hersh: American Mathematical Society - Nominating Committee
Steele Prize Committee.

Abraham P. Hillman: Associate Director of the W.L. Putnam Math. Comp. Associate Editor of the American Mathematical Monthly. Editor of the Elementary Problems Section of the Fibonacci Quarterly.

Lambert H. Koopmans: A paper, An exmaple of curve fitting using Tukey's curve straightening method, presented at the annual Santa Fe meeting of the Albuquerque Chapter of the American Statistical Assoc. Assembled program for (as Assoc. Program secretary, Western Region) and attended the 1980 Western REgional meeting of the Institue of Math. Stat. held at U.C. Davis in June. Member of COPSS orgainzing committee for the Visiting Lecturer Program. Serving as a visiting lecturer during 1980-81. On editorial board of Communications in Statistics. Refereed serveral papers. President, local chapter of American Statistical Association 1980-81.

Walter T. Kyner: Presented papers at the American Mathematical Society seminar on Mathematical Aspects in Physiology, Salt Lake City, June and The Society of Industrial and Applied Mathematics National meeting, Houston, November.

James Patrick Miller: President, National Association of Rocketry (Elizabeth, PA).

Board Director, Wheel in the Manzanos (Tijeras, NM).

Board Director, Society for the Development of Gifted and Talented (Albuquerque, NM).

Merle Mitchell: Invited talk at MNCTM meeting, Career Enrichment Center, Albuquerque, Jan. 26, 1980.

Invited talk at NCTM regional meeting, Washington, DC, Nov. 21, 1980.

C.W. Onneweer: I attended Amer. Math Society meeting in San Antonio, TX (Jan. 3-6, 1980).

I attended meeting on approximation theory in Austin, TX (Jan. 7-11, 1980).

I presented a paper at meeting in Oberwolfach, W. Germany, (Aug. 16-23, 1980).

I presented a paper at meeting in Budapest, Hungary, (Aug. 28-Sept. 3, 1980).

Pramod K. Pathak: Reviewer for Math Reviews.

Clifford Qualls: Attended Annual Santa Fe Meeting of NM American Stat. Assoc., April 1980.

David A. Sanchez: Chairman, NSF Mathematics Postdoctoral Fellowship Selection Panel, Dec. 1980.

Member, Council of the American Mathematical Society. Panelist, NSF-NIE Computer Technology and Mathematics Education Grants Program, August 1980. Member, Screening Committee in Mathematics for Fullbright Awards.

Ronald M. Schrader: Use and Interpretation of Robust Analysis of Variance, paper read at ARO conference on Modern Data Analysis. A comparison of methods for studentizing the sample median, paper read at joint meeting of Albuquerque and Santa Fe chapters of ASA. Uses of QR-decompositions in statistics, paper read at Western Michigan University.

Alexander P. Stone: Organizer of Special Session on Global Analysis at AMS meeting. Reviewer for Math. Reviews and Zentralblatt.

Carla Wofsy: Lecturer at National Conference of Society for Advancement of Chicanos and Native Americans in Science, Albuquerque, November, 1980. Member of NSF panel reviewing NATO postdoctoral fellowship applications, Denver, December, 1980.

William J. Zimmer: Attended the Annual Technical Conference of the American Society for Quality Control, Oct. 22-25, 1980, Cincinnati, Ohio.

7. OTHER PROFESSIONAL ACTIVITIES.

Richard C. Allen, Jr.: Visiting staff member, Los Alamos Scientific Laboratory; Consultant, Air Force Weapons Laboratory

Alfred Carasso: Invited talks at Sandia National Laboratory, Oct. 1980; Los Alamos Scientific Laboratory, Nov. 1980; National Bureau of Standards, Washington, DC, Dec. 1980; Visiting Staff Member Los Alamos Scientific Laboratory.

James A. Ellison: Consultant to the ion-solid interactions group at Sandia National Laboratories. Reviewed channeling papers for Physics Letters. Reviewed a million dollar research proposal at the request of the Department of Energy. Invited to participate in some channeling experiments at Fermi Lab.

Roger C. Entringer: Reviewer for Mathematical Reviews and Zentralblatt fur Mathematik. Referee for J. Graph Theory and J. Combin. Theory (B).

Howard D. Fegan: I prepared two reviews of research papers for Mathematical Reviews.

Archie G. Gibson: Reviewer Mathematical Reviews. Gave two talks entitled "Optimal Gambling Strategies" under the UNM Speakers Bureau Program.

Liang-Shin Hahn: Refereed papers for International Journal of Mathematics and Mathematical Sciences, Canadian Journal of Math., Bulletin of Calcutta Mathematical Society, Chinese Journal of Math.

Lambert H. Koopmans: Consultancies: a) Diabetes Grant, UNM School of Medicine. b) NM Public Defender's Office, July 1980. c) NAS-Tech, Inc. Archeological Project, July-Dec. 1980.

James Patrick Miller: Offer each semester an afterschool workshop for gifted and talented children. Do the complete scheduling (Fall, Spring, Summer) for the Math Department. Appeared on FORUM 13 (KGGM) for the Wheel in the Manzanos. Am raising money for a summer theater arts program for gifted children.

Merle Mitchell: Member of NM Advisory Council of the State Dept. of Education--meetings Jan. 26, 1980; Feb. 14, 1980 and April 26, 1980, full day meetings. Appeared before the Educational Standards Commission Subcommittee on Certification on Oct. 6, 1980 to speak for increased math requirements for elementary teachers.

Clifford Qualls: Consulted with H. Wayne Wamples of UNM; CERF on "Fitting Techniques for Simulation of Nuclear Pressure Histories."

William J. Zimmer: Referee of a paper for Technometrics and currently involved in its revision. Consulted with lawyer, William S. Dixon, on a statistical problem. Consulted with Joseph Wexler, U.S. Army Corps of Engineers, on a statistical problem.

8. NON-TEACHING UNIVERSITY SERVICE.

Richard C. Allen, Jr.: Chairman, Department of Graduate Committee; member, Arts and Science College Graduate Committee; member, University Student Standards and Grievance Committee.

Laura Cameron: Chairperson of the Community Education Committee " until September 1980. Served on the Basic Skills Subcommittee of the General College Task Force Committee; Spring 1980. Served on Undergraduate Comm. of the Math. Dept. Jan. 1980 to present.

Alfred Carasso: Applied Mathematics Committee; Ph.D. dissertation committee in Engineering.

Robert F. Cogburn: Director of Graduate Studies for Math. & Stat.

Ralph E. DeMarr: Chairman of 1979-1980 pure mathematics hiring committee. Member of travel committee. Chairman of MA-Ph.D. exam committee. Director of Putnam Mathematical exam.

Donald W. Dubois: Math Dept Graduate Committee; Bldg. Use committee (chm); Math 162 and 121 coordinator.

James A. Ellison: Director of Graduate Studies for Applied Math.; TA, GA Selection Committee; member of Practicum Committee.

Roger C. Entringer: Director of two doctoral dissertations (both completed in 1980).

Archie G. Gibson: Ph.D. Dissertation Committee, Chairman; Travel Committee Chairman; Graduate Committee, Master's Exam Committee; Math 316 Coordinator, HUM4SPAC Committee, UNM Athletic Council.

Richard Grassl: Director of graduate studies in Pure Mathematics- duties include: assigning new TA-ships, coordinating MA & PH.D. exam and requirements, advising. Associate Director of New Mexico Mathematics Contest.

Liang-Shin Hahn: Advised teaching of a graduate student from Japan, Helped create problems for NM Math Contest; in fact, of 8 problems in the Contest 6 were my suggestions.

Abraham P. Hillman: Member of the departmental committee on the MA exam. Coordinator of Math. 180 in the fall semester.

Lambert H. Koopmans: Chairman, Univ. Computer Use Comm.; Chairman, Arts & Sciences Policy & Curriculum Comm.; Director of Stat. Lab (departmental consulting service). Chairman, departmental course load committee; Chairman statistician search comm.; departmental salary review committee.

Walter T. Kyner: Chairmanship of the department of Mathematics and Statistics.

Richard C. Metzler: Acting associate dean - Arts and Sciences, August 1, 1980 to present. Member - Admissions and Registration Committee and School Liaison Committee.

James Patrick Miller: Coordinator for 162 and 163. Assit with the change and development of Math 100...offering special experimental Math 100 for Fall 1981.

Merle Mitchell: Informal talk on math history at Asbury Methodist Church as invited by the Office of Senior Affairs; member of Undergraduate Committee of Dept. of Mathematics; chairman of Joint Mathematics Advisory Committee (AandS, COE, APS);faculty sponsor KME; member of GUNMF Allocations Committee; member of departmental committee on salaries, Spring 1980.

C.W Onneweer: Member of Research Policy Committee, Fall 1980.

Pramod K. Pathak: Coordinator, Practicum committee; evaluation of Schrader's research for promotion to Assoc. Prof.

Clifford Qualls: Administrative - Acting Chairman of Dept. of Math. and Stat., Spring 1980.
Reader for dissertations of Charoon Rojwithya in Civil Engineering and John Schnizlein in Psychology.

David A. Sanchez: Presdient, UNM Faculty Senate; Member, Honors Council.

Ronald M. Schrader: A and S Computer Use Committee; Math Dept. Computer Use Committee, Chairman; Math Dept Graduate Committee; Math Dept. Master's Examination Committee.

Art Steger: Campus Planning Comm.; Architect Selection Sub-Comm.; A and S Promotion Comm.; Mathematics Dept: Transcript Evaluation, Sabbatical Comm., Schedule Coordinator for Pure Math., Math 120 coordinator.

Stanly Steinberg: Departmental Computer Use Committee. Set up Library 100 under VSPC.

Alexander P. Stone: Chairman of Undergraduate Committee (Spring 1980). Math Dept. Colloquium Chairman.

Timothy B. Straney: Undergraduate Committee (Math Dept). Scheduling Committee (Math. Dept.), Coordinator, UNM Math Contest.

William J. Zimmer: Lectured in Math 495 on Between Bayes and Minimax. Lectured in a graduate class in Guidance and Counseling. Served on Univ. Speakers Committee. Faculty advisor for Sufi student organization.

9. PUBLIC SERVICE

Richard C. Allen, Jr.: Active in Church.

Laura Cameron: Gave four presentations to the students in the College Enrichment Program; summer 1980.

Roger C. Entringer: Conducted class for gifted children at Highlands High School.

Archie G. Gibson: Indian Guides.

Lambert H. Koopmans: Tour leader, New Mexico Wheelmen bicycling club.

Richard C. Metzler: Group leader Parentcraft Program (training program for new parents.)

James Patrick Miller: Assist in the administration of two non-profit education organizations (Wheel in the Manzanos and the Society for the Development of Gifted and Talented). Taught in NAPCOE Summer Institute; taught Southwest Resource Center Sat. Science Academy.

Clifford Qualls: Secretary and Board Member - First Family Church, Albuquerque, NM.

David A. Sanchez: Secretary, Rio Grande Chapter of Trout Unlimited.

10. PERSONAL INFORMATION.

Lambert H. Koopmans: Grandchildren, Clarissa, born Sept. 14, 1979; Daniel, born Oct. 25, 1980.

James Patrick Miller: Married May 1980.

Pramod K. Pathak: Father of a new baby, Leszek A. Pathak, born April 23, 1980.

Ronald M. Schrader: Married.

William J. Zimmer: Married March 15, 1980 to Carolina Valma.

The Report of the Department of Modern and Classical Languages

July 1, 1980 - June 30, 1981

Sabine R. Ulibarri, Chairman

I. General Information

A. Significant Achievements.

1. Departmental Organization: Chairman: Sabine R. Ulibarri;
Assistant Chairman: George Peters. Language Section coordinators: John Bergen (Spanish), Claude-Marie Senninger (French), George Peters (German), Byron Lindsey (Russian), Jack Tomlins (Portuguese), Warren Smith (Classics), Roseann Willink (Navajo), Pearl Wu (Chinese). Administrative appointments outside the Department: Garland Bills (Chairman, Linguistics), Julian White (Associate Dean, College of Arts and Sciences), Peter Pabisch (Chairman, Comparative Literature Program).

Professor Peters of the German section has resigned the assistant chairmanship of the department, effective July 31, 1981, in order to accept a Humboldt Foundation fellowship for a year of research at the Heinrich-Heine-Institute in Düsseldorf, Germany. Professor Bergen of the Spanish linguistics section has agreed to be assistant chairman for the 1981-82 academic year; at the same time he will retain his position as coordinator of the Spanish section.

2. New and Continuing Programs.

- a. Spanish Section. A six-week Summer session will be held in

Almería, Spain, from June 8 through July 17. Courses will be offered in Spanish literature, civilization and language.

b. French Section.

- 1) The following first steps were taken toward the establishment of a program of Quebecois studies.
 - (a) Setting up of a one-month pilot course in the civilization and literature of Quebec, taught by Professor Bruno Dufour.
 - (b) A Quebec month (March 1, through 31, 1981) during which the following events took place.
 - i) An exhibit at the Albuquerque Museum of La Gravure Québécoise en Ateliers libres.
 - ii) The production of a play by Anne Hébert in the experimental theater.
 - iii) The two-week visit of Anne Hébert with a round table discussion as well as an autograph party and book exhibit at Zimmerman.
- 2) Five high school students and their leader, a college student from Quebec, attended the weekend at Glorieta in April. In turn, five high school students from Albuquerque will visit Québécoises families at the end of June.
- 3) The French Summer School will have its fourth session. There will be approximately thirty-five students this year. Following the example of the German Summer School the French Summer School will offer an MA in the four summer sessions at Taos.

c. German Section.

- 1) For the second year over 20 UNM German students took the official Goethe Institute examination "Zertifikat Deutsch als Fremdsprache" with outstanding results.
- 2) The 9th annual German Weekend was held in Sacramento, California. Twenty-five German Students participated. Professors, Jespersen, Hannemann, Peters, and Pabisch held mini-seminars.
- 3) The 6th session of the German Summer School of New Mexico is planned for June 12 through July 15 in Taos Ski Valley. Over sixty students from around the country will attend.

3. Cultural, Professional and Social Activities.

a. Spanish Section.

- i) The Seventh Colloquium on Hispanic Linguistics was held at UNM in July 11 and 12, 1980. Twenty-four papers were given by renowned scholars from throughout the United States and abroad. This prestigious event was directed by Professors Bergen and Bills (of UNM) and Professor Guadalupe Valdés (of NMSU).
- ii) In October the department hosted an international symposium celebrating the centenary of the birth of Ramón Pérez de Ayala. Professor Fernández directed this prestigious literary gathering.
- iii) In February the famous Mexican novelist, Gustavo Sainz, made a two day visit to our department.
- iv) Under the directorship of Jon Tolman and Erlinda Gonzales-Berry, the Spanish Poetry reading series ("El poeta y el

pueblo"), involving numerous staff members, continued throughout the year. This year's program was organized around Chicano poetry and was well received in the ten communities around the state where it was presented.

- v) A departmental party, hosted by the graduate students, was held on September 26, 1980 at the home of Debra Rivera.
- vi) A departmental breakfast was held at the home of Professor Ulibarrí on September 21, 1980.
- vii) Retirement dinners in honor of Professor MacCurdy were held at the home of Professor Ulibarrí on May 9 and (sponsored by the graduate students) at the home of Professor Rodríguez on May 15.
- viii) Professor Ulibarrí presented a series of lectures on Hispanic Culture in Heidelberg, Germany from March 27-April 3, 1981 as part of the Annual Congress of the International Armed Forces.
- ix) The Department in cooperation with the Albuquerque Public Schools presented a 3-day program (March 12-15, 1981) entitled "Horizons Unlimited" celebrating the centennial death of Calderón de la Barca. Over 200 people were in attendance in the UNM Ballroom to hear lectures and to participate in workshops and panel discussions pertaining to Spanish Golden Age Theatre. Professor Rodríguez organized the program.

c. German Section.

- i) The Austrian Ambassador from Washington, D.C. visited

the German section in May. Dr. Karl Schober lectured in both German and English and was honored at an official reception hosted by the University.

d. Classics Section.

- i) Professor Robin will do research in Italy this summer on her second Research Allocation Fellowship.
- ii) About 100 parents, students, and teachers attended a Latin Honors Award ceremony at the Career Enrichment Center in March at which Professor Smith was principal speaker.

e. Portuguese Section.

In May the distinguished Brazilian poet, critic, and theoretician, Haroldo de Campos visited UNM.

f. Italian Section.

On April 29, 1981 the internationally renowned Italian novelist, Alberto Moravia, presented a conference in Woodward Hall at UNM with approximately 300 people in attendance. The presentation was organized by Paola Quargnali, Italian Instructor, through the Italian Cultural Institute of San Francisco.

B. Significant Plans and Recommendations for the Near Future.

1. Spanish Section.

Gustavo Sainz, distinguished contemporary Mexican author will become full-time permanent faculty member beginning August, 1981.

2. French Section.

The AATF, under the direction of Professor Truett Book, has planned several activities (including Glorieta) for high school teachers.

3. Classics Section.

- a. The national committee of the Junior Classical League has shown an interest in holding its annual convention at the University of New Mexico in Summer 1983. If this is negotiated, we will have 1200-1500 Latin students in attendance then.
- b. The once moribund Interdisciplinary Classics Committee held its first meeting in years this Spring and promised to resume regular meetings next year.
- c. One likely change for the major in near future is to allow the majoring student to eliminate or minimize either Greek or Latin as part of the program.

C. Appointments to Staff.

- 1. Joan Dargan was appointed as an Assistant Professor of French, effective Fall, 1980.
- 2. Antonio Planells served as Visiting Associate Professor for the 1980-81 academic year.
- 3. Roseann Willink served as a Visiting Instructor of Navajo during the 1980-81 academic year and has been reappointed as such for the 1981-82 academic year.
- 4. Thomasina Hannum was appointed as a Teaching Associate in Spanish for the 1981-82 academic year, thereby temporarily filling the position which the central administration has authorized in response to the expanding program in Spanish linguistics. Professor Bergen will attend the MLA meeting in New York in December to interview candidates for this tenure track position which will then be filled in Fall 1982.

D. Separations from Staff.

1. Professor MacCurdy retired at the end of the 1980-81 academic year. However, we are fortunate in that he has agreed to teach one course per year in the department.

II. Composite of information requested on individual biographical supplements.

1. Advanced Study.

- a. Natasha Kolchevska. Completion of Ph. D. granted by Universtiy of California, Berkley; December, 1980. Dissertation Title: LEF and Development in Russian Futurism in the 1920's.
- b. Diana Robin. Completion of Ph. D. University of Iowa; 1979.

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.

- a. Marianne Barrett, Instructor of German has been teaching at the German Summer School in Taos for the past five years.
- b. Truett Book, Associate Professor of French taught in the French Summer School in Taos.
- c. June C. D. Carter, Assistant Professor. Summer research done at the University of Texas, Austin, through the aid of a summer stipend granted by the College of Arts and Sciences, 1980.
- d. Pelayo H. Fernández, Professor. Travel: Spain and Argentina.
- e. Dick C. Gerdes, Associate Professor. Leave of absence August 1979 to August 1980.
- f. Angel González, Professor. Visiting Professor at the University of California, Irvine. Fall quarter 1980.
- g. Robert Holzapfel, Associate Professor. German Summer School at Taos; Summer 1980 taught.
- h. Robert C. Jespersen, Associate Professor. Sabbatical leave full academic year 1979-80. Entire sabbatical spent in Germany.

- i. Enrique E. Lamadrid, Associate Professor. 17-day study tour in Cuba in May/June which included seminars with intellectuals, government officials, artists, ordinary people and visits to various institutions. He was on the faculty of the 1980 Linguistic/TESOL Institute held at UNM, also co-sponsor/organizer of the 1980 Colloquium of Spanish linguistics held at UNM.
- j. Byron Lindsey, Assistant Professor. Research, British Museum, London, May 20-30; interviews with Russian emigré artists, Paris, June 5-10.
- k. Raymond R. MacCurdy, Professor. Sabbatical, Semester II, 1979-80. Spent two weeks working in the library of Louisiana State University.
- l. Marshall Nason, Professor. Organized, on behalf of Latin American Institute, and participated in a 17 day study seminar to Cuba, may 23 - June 9, 1980.
- m. Peter Pabisch, Associate Professor. Research trip to Romania, Austria, the Federal Republic of Germany, Switzerland: July 20 to September 2, 1980.
- n. José R. Reyna, Associate Professor. Leave of absence 1979-80.
- o. Elaine Robert, Lecturer II. Visited Deutsche Sommerschule in Taos, N.M.
- p. Williams H. Roberts, Professor. Traveled to Northern Mexico, in January 1980.
- q. Diana Robin, Assistant Professor. RAC Summer Research Grant to Italy, 1980.
- r. Alfred Rodríguez, Professor. Spain: Summer, 1980.
- s. Claude-Marie Senninger, Professor. RAC Grant in Paris, working

on Introduction of a book: Charles Baudelaire par Theophile Gautier; summer visit to Quebec as president of AATF of New Mexico.

- t. Jack Tomlins, Professor. August, 1980. Traveled to Puerto Rico to attend convention of American Association of Teachers of Spanish and Portuguese.
 - u. Sabine R. Ulibarrí, Professor. Visiting Professor at Highlands University, Las Vegas, New Mexico, Summer 1980. Taught Spanish Literature.
3. New scholastic honors, fellowships, etc.
- a. June C. D. Carter, Assistant Professor. Summer research stipend, College of Arts and Sciences, 1980.
 - b. Dick C. Gerdes, Associate Professor. Fulbright-Hays Faculty Overseas Research Grant, Lima, Peru (8/79-8/80), to study contemporary Peruvian novel; see: UNM Research Notes, 9, 2 (October 19, 1979)
 - c. Claude-Marie Senninger, Professor. Named officer des Paires Académiques by French government.
 - d. Warren S. Smith, Associate Professor. Awarded NEH fellowship to study Greek moral terms at University of Chicago under Professor Arthur Adkins, Summer 1980.
4. Publications.
- a. John J. Bergen. "The Semantics of Gender Contrasts in Spanish, Hispania, March 1980, Volume 63, Number 1, pages 48-57.
 - b. Garland D. Bills. Intergenerational Language Shift in an Albuquerque Barrio" (co-author with Alan Hudson-Edward). In: A Festschrift for Jacob Ornstein ed, E. Blansitt and E. Blansitt and R. Teschner (Rowley, MA: Newbury House, 1980), pp. 139-158. "Comments on Varieties of English (Panel)". In: Speaking, Singing and Teaching: A Multi-disciplinary Approach to Language Variation ed. F. Barkin and E. Brandt (Tempe: Arizona State University, 1980), pp. 215-216.

- c. Truett Book. L'Arte de la conversation for French Summer School.
- d. June C. D. Carter. "Aura: Una tragedia psicológica y sociológica", Simposio: Carlos Fuentes, Actas II, University of South Carolina, (1980) pp. 111-122. Literature and Censorship in Latin America: Dream within a Dream, by José Agustín. Review in Rocky Mountain Review, 3, 4 (1979), p. 218. "Image of self and Nation in the Poetry of Nicomedes Santa Cruz", Studies in Afro-Hispanic Literature, CUNY, Vol. IV, May 1981.
- e. Pelayo H. Fernández. Article "Los estados unidos vistos por Ramón Pérez de Ayala y Julián Marías", Insula (Madrid), 404-415, julio-agosto, págs. 10-11.
- f. Dick C. Gerdes. "Crónica de San Gabriel/Los geniecillos dominicales", Socialismo y participación, 10 (mayo 1980), 97-110 (artículos; "VII Congreso de Academias de la Lengua Española," Hispania, 63, 4 (December 1980), 760-61; "News from Peru," Hispania, 63, 3 (1980), 586-87; "Los chicanos; Un pueblo dentro de un pueblo," El caballo rojo (Suplemento Dominical), 1, 13 (10/8/80), 6-7.
- g. Erlinda Gonzales-Berry. "The Voice of the Bard," De colores, 5:1-2, (1980), pp. 45-68.
- h. Angel González. Poemas (Edición del autor) Madrid, Catedra, 1980, - 192 pp. "20 Poems" translated to Russian in Is sovremennoy ispanskoy poesii (From Contemporary Spanish Poetry). Moscow; Progress, 1979, pp. 285-328. "El cristo de Velázquez", a poem, Transito, revista de poesía, Murcia, 1979 c, p.7. "Glosas (en homenaje) a J. G. A poem, Transito, revista de poesía, Murcia, 1980 e, p. 9. "Orlando Pelayo, pintor de Historia", Los Cuadernos del Norte, Año I, No. 1, abril-mayo, 1980, pp. 43-47. "La poesía española después de Franco", Los cuadernos del Norte, Año I, No 3, agosto-setiembre 1980, pp. 34-44.
- i. Bruno Hannemann. Articles: Totentanz der Marionetten. Monotonie und Manier bei Th. Bernhard, Modern Austrian Literature, 13 Nov. 2, 1980, pp. 123-150. Adam und seine Rippe. Zum+Mann Frau-Verhältnis in Mac Frischs Montauk, 32 pp.. accepted for publication by Monatshefte, Madison, Wisconsin.
- j. Tamara Holzapfel. Article: "Una posible fuente de Antonio Machado", Journal of Spanish studies: Twentieth Century, 7, 3 (1979), 297-307. Article: "Evaluationary Tendencies in Spanish American Absurd Theatre", Latin American Theatre Review, Summer 1980, 37-42.
- k. Robert C. Jespersen. Using German (First-year German textbook), co-authored with George F. Peters, Harper and Row, 1980, 590 pp.
- l. Byron Lindsey. "Put'k seve," an interview with Aleksandr Kalugin, Novyi Amerikaners, New York, Vol. 1, no. 43, pp. 20-21; A Guide to Moscow for ACTR Participants, ACTR Pamphlet, Bryn Mawr, PA, 1980.
- m. Raymond R. MacCurdy. Two articles written in collaboration with Professor Alfredo Rodríguez: (1) "Las dos locuras de Don Quijote," Anales Cervantinos, 17 (1978, published 1980), 1-10; (2) "An Archetypal Factor in Enchantment of Dulcinea," Revista de Estudios Hispánicos, 14 (1980), 73-80.
- n. Patricia Murphy. Book Review: H. Mason, ed. Studies on Voltaire and the Eighteenth Century Vols. 171, 174. French Review February, 1980, pp. 450-451.

- o. Peter K. Pabisch. Edition: Guest editor for DIMENSION (University of Texas at Austin) -- compilation of an issue of German Dialect Poetry -- with translations into standard German and English (most of the latter were done by guest translators) -- with an introductory essay and an extensive part on biographical data. Professor Pabisch was responsible for the contents of the entire issue. 250 pp. in: DIMENSION XII' 3. Articles in the following publications: Modern Austrian Writing: Literature and Society After 1945. Modern Austrian Literature. Yearbook of the International Dialect Institute 1980. Akten des VI. Internationalen Germanisten-Kongresses, Basel 1980. Book Reviews: a) In various issues of WORLD LITERATURE TODAY: 1) "H.C. Artmann: Prosa," 3 vls. (Salzburg: Residenz, 1979). 2) "Hans Flesch-Bruningen: Perlen und schwarze Tränen," (Munich: Nymphenburger, 1980). 3) "Hilde Spiel: Mirko und Franca: Erzählung," (Munich: Nymphenburger, 1980). b) In various issues of MODERN AUSTRIAN LITERATURE: 1) "Richard Exner: Fast ein Gespräch: Gedichte," (Munich: Schneekluth, 1980). 2) "Georg Schmid: Roman trouvé," (Berlin: Luchterhand, 1978). 3) "Nikolaus Berwanger: schneewittchen offne deine augen: Gedichte," (Temeswar: FACLA, 1980).
- p. George F. Peters. USING GERMAN, New York; Harper and Row, 1980 (co-author) Workbook, Tapescript, Instructor's Manual to accompany USING GERMAN. Reviews: Jeffrey Sammons, Literary Sociology and Practical Criticism (Bloomington and London, 1977). Modern Austrian Literature, 13, No. 2 (1980), 210-212; Werner Abelein, Henrik Steffens' politische Schriften (Tubingen, 1977). Monatshefte, 72, No. 1 (1980), 78-80; Herbert Seidler, Grundfragen einer Wissenschaft von der Sprachkunst (München, 1978), to appear in MAL; William Lillyman, Reality's Dark Dream (Berlin and New York, 1979), to appear in Monatshefte; Translations: Various poems and prose text to appear in Deutscherndeist im 19. Jahrhundert, ed. by Hermann Glaser, N.Y. Continuum Books, 1980: "To be Dead in a Corner of the City and other poems" by Gerd Soontag, to appear in Dimension.
- q. José R. Reyna. Folklore Chicano del Valle de San Luis, Colorado Penca Books, 1980. Modismos de Tejas. Penca Books, 1980. Raza Humor: Chicano Joke Tradition in Texas. Penca Books, 1980. Cuentos Chicanos. New America, 1980 (participating editor), Rudy Anaya, A. Marquez, eds.
- r. Elaine Robert. Translation of German newspaper reviews of concerts by The Orchestra of Santa Fe while on tour in Germany, June 1980. Published in the program of the Orchestra of Santa Fe, September 1980, 12 pages.
- s. Diana Robin. "The Manuscript Tradition of Oppian's Haliutica" published in the Bollettino dei Accademia Nazionale dei Lincei (Rome), Spring 1981, pp. 1-66.
- t. Alfred Rodríguez. 1) "Una posible fuente de Antonio Machado, Journal of Spanish Studies: Twentieth Century, 7 (1979), 297-307, co-author with Tamara Holzapfel. 2) "Las dos locuras de Don Quijote," Anales Cervantinos, 17 (1978), 3-10. co-author with Raymond MacCurdy. 3) "Aproximación a Grado elemental de Angel González," Archivum, 27-28 (1977-78, 121-140. Co-author with M. Miller. 4) "Dos notas a La Gatomaquia de Lope de Vega," Romance Notes, 20 (1980), 1-4. Co-author with Luz Rodríguez. 5) "Spanish and Spanish-American Literature," Encyclopedia

- American Annual (1980), 317. 6) "An Archetypal Factor in the Enchantment of Dulcinea," Revista de Estudios Hispánicos, 14 (1980), 73-80. Co-author with Raymond MacCurdy. 7) "Una fuente probable de la Rima LII de Bécquer," Modern Philology, 77 (1980). 382-91. Co-author with T. Ruiz-Fábrega. 8) "Para una sociología de la Segunda Parte del Quijote: poblaciones y hogares," Consenco, 4 (1980), 23-30. Co-author with R. Ruiz-Fábrega. 9) "Aspectos de un tipo galdosiano: el maestro de escuela, ayo o pasante," In Actas del Segundo Congreso Internacional de Estudios Galdosianos (Las Palmas: Cabildo Insular de Gran Canaria, 1980, pp. 341-359. 10) "King Lear and Galdós' El abuelo: a Critical Reassessment," ES, 10 (1980), 213-223. Co-author with S. Dorich.
- u. Claude-Marie Senninger. Honoré de Balzac par Theophile Gautier, Paris, Nizet, 1980, pp. 226. 3 critical bibliographies in R.A. Brooks, A critical bibliography of French literature, Syracuse, 1980. Lucie Delarue-Mardrus, pp. 792-793. Anna de Neailles, pp. 857-856, Francis Paage, pp. 1163-1165. Article: España, a mi-chemin entre "La comédie de la Merte" et "Emaux at Camees" Bulletin de la Société Théophile Gautier, No 2, 1980, pp. 51-60.
 - v. Jon M. Tolman. "Luso-Brazilian Bibliography," MLA Bibliography 1979 Vol II, pp. 123-129.
 - w. Jack E. Tomlins. The Poetry of Jorge de Sena: A Bilingual Selection. Selections. Santa Barbara: Mudborn Press, 1980. Studies on Jorge de Sena by His Colleagues and Friends. Selection: "Jorge de Sena: Miniaturista Lírica." Santa Barbara: Mudborn Press, 1980.
 - x. Warren S. Smith, Jr. "Husband Vs. Wife in Juvenal's Sixth Satire," Classical World March 1980 pp. 323-332.
 - y. Julian E. White. Article reported last year still not published though accepted.
5. Other research projects or creative work in progress or completed during period.
- a. Marianne Barrett. German textbook for high school students in cooperation with a member of the Goethe Haus, New York, (in progress).
 - b. John J. Bergen. Review of Nash, Rose, and Domitil Belaval, editors, Readings in English-Spanish Contrastive Linguistics, Volume II, to appear in Hispania, 1981. Co-editor (with Garland Bills) of Spanish and Portuguese in Social Context, to be published by Georgetown University Press, Washington, D.C.
 - c. Garland D. Bills. Project Director of two externally funded research symposia: Symposium on Uto-Aztecan Historical Linguistics (with Wick R. Miller, University of Utah, and Susan M. Steele, Univ.

of Arizona), June 1980, supported by a \$13,646 grant from the National Science Foundation. The proceedings are being edited for publication. Symposium on Athapaskan Comparative Linguistics and Language Planning, supported by a grant from the National Endowment for the Humanities. Project Director for a grant from the Ford Foundation and a supplement of \$1,600 from the National Center for Bilingual Research to support three aspects of the 1980 Institute: Workshop on Sociolinguistic and Ethnographic Methods in Studying Bilingual Education, directed by Fredrick Erickson (Michigan State Univ.), July 1980. Language Policy Seminar, Directed by Tracy Gray and G. Richard Tucker (Center For Applied Linguistics), July 1980. Fellowships for Minority Students, administered through the Linguistics Society of America.

- d. June C. D. Carter. "La negra as Metaphor in Afro-Latin American Poetry", sent to Hispania. "Otra vez Fuentes y Unamuno", co-author with Alfred Rodríguez, in progress. José Agustín: An Assessment, book in progress. "La cabeza de la Nidra: Fuentes' Debt to Dashiell Hammett", article in progress.
- e. Pelayo H. Fernandez. Three more articles finished. To be published: 1) By Cuadernos Hispanoamericanos, Madrid; 2) by Actas Universidad del Sur (Argentina). 3) Included in book commemorating Pérez de Ayala Centennial.
- f. Dick C. Gerdes. Outside-sponsored research through Fulbright-Hays Faculty Overseas Research Grant, Department of Education, \$17,200. project: to research contemporary Peruvian novel, 8/79-8/80.
- g. Sam Guyler. Spanish Language Proficiency Exam for Bilingual Teachers, USOE, \$36,000, Advanced Spanish Grammar.

- h. Bruno Hannemann. Article: Zur Rolle des Geldes bei Raimund und Nestroy. Written in co-authorship with Ph. Lenz, Bonn, West Germany. Will be submitted shortly. Book-Review: Die andere Welt. Aspekte der osterr. Literatur des 19. und 20. Jhhs., for Monatshefte, Madison, Wisc.
- i. Robert Holzapfel. Work in progress on book on F. Dürrenmatt.
- j. Tamara Holzapfel. Completed another article that has been accepted for publication. Written two book reviews.
- k. Robert C. Jespersen. Stefan Heym, revision of article to be published in 1981 in Deutsche Exilliteratur seit 1933, vol. 2 by Francke Verlag HSA Language Lab Systems: Effective Lab Use (in preparation) Cadet Teaching in the Preparation of FL Teachers (in preparation) Development of Verbal Complements into Separable Prefixes (in preparation).
- l. Natasha Kolchevska. In progress: S. Tret'jakov as Dramatist (article), Literary Constructivism and Russian Futurism (article)
- m. Enrique E. Lamadrid. Is currently working on second editions of text book series for the teaching of Spanish with four co-authors, three from the University of Texas (Austin) and one from the Univ. of Texas (Arlington). Professor Lamadrid is director of the project.
- n. Byron Lindsey. Continuing work on book MS "The Young Avant-Garde: Contemporary Russian Art," and on articles "Tolstoy's Hadji Murat," and "Dostoevsky's Technique of Characterization: The Case of Porfiry Petrovich."
- o. Raymond R. MacCurdy. Work in progress: Francisco de Rojas Zorrilla and His Collaborators.
- p. Patricia Murphy. Article: "La Femme de Lettres in 18th Century

France in the mail book review on "Alfred Jarry" sent to French Review (published next year).

- q. Marshall R. Nason. Latin American Language and Area Center Grant, 2nd year of 2-year cycle \$60,000. Title VI Fellowship grant for Latin American Studies \$15,172. ICA grant for conduct of Mexico City Symposium on the Undocumented Worker.
- r. Peter K. Pabisch. Research grants from UNM, PRO HELVETIA (Switzerland), DAAD (West Germany) and Osterreichische Gesellschaft für Literatur (Vienna, Austria) for the summer of 1980 to work on new dialect literature in the German speaking countries including Romania (Timisoara). Ten short articles for DIE DEUTSCHE LITERATUR, a literary encyclopedia, edited by Gert Roloff, Freie Universität Berlin. One short article on H. C. Artmann for: Encyclopedia of World Literature in the 20th Century (Ungar Publishing Co., New York).
- s. José R. Reyna. Readings in Chicano Folklore, In progress.
- t. Diana Robin. A study of the Life of the Renaissance Scholar of Greek, Francesco Filelfo, begun under an RAC Grant, Summer 1980.
- u. Alfred Rodríguez. "Una técnica cervantina de caracterización," accepted for publication by Revista Canadiense de Estudios Hispánicos. "El gran teatro del mundo y el Quijote de 1615," accepted for publication by Cuadernos del Sur. "Spanish and Spanish-American Literature," accepted for publication by Encyclopedia Americana Annual. "Un Momento de la creatividad cervantina en el Quijote: los capítulos XVIII-XXIII de la Segunda Parte," accepted for publication by Hispania. "El cisne de Vilamorta: novela excepcional de Emilia Pardo Bazán," accepted for publication by Revista

- de la Universidad de México. "La imagen arbórea en Antonio Machado," accepted for publication by Kentucky Romance Quarterly. "El Hércules de López de Zárate: Una posible fuente de Los tres mayores prodigios de Calderón," Accepted for reading at Congreso Internacional sobre Calderón y el Teatro Español del Siglo de Oro, Madrid, July, 1981.
- v. Claude-Marie Senninger. Paper read at the MLA, Dec. 1980. Le thème de la femme déchue dans le roman populaire d'Eugène Sue. Paper read in October at The meeting of The Western Society for French History "Théophile Gautier and the art of caricature." In progress a book on Auguste de Chatillan et les tribulations d'un peintre de son tableau.
- w. Jon M. Tolman. "The Context of a Vanguard: Toward a Definition of Concrete Poetry," article revised and re-submitted to PMLA, Fall 1980. Blood on the Sand and Other Stories by Edilberto Coutinho (translation and introduction by JMT), completed, typed and submitted to UCLA Press. "Ledo Ivo" introduction to translated novel Snakes' Nest by same author, completed and submitted to New Directions Publ. Corp, due out fall, 1981. Nearing completion of special issue of The Literary Review on contemporary Brazilian short story.
- x. Jack E. Tomlins. Mário de Andrade; The Creative Works. Twayne World Authors Series. Boston: G. K. Hall and Company. MS completed, currently submitted to publisher. BOOK.
- y. Warren S. Smith. Continued forthcoming work on Erasmus' new testament scholarship and translation of Laura Cereta, renaissance humanist.

- z. 1. Sabine R. Ulibarri. Manuscript of bilingual stories for children, Pupurupú accepted for publication by Quinto Sol Publications. Manuscript of essays and lectures, One Voice of Juan Hispano now being reviewed by New Mexico Museum Publications. Under preparation: collection of bilingual short stories to be entitled First Encounters.
- z. 2. Julian E. White. Continuing research on consonification of yod and wau. Continuing book on Comparative Romance Historical Linguistics. Review of Gordon Pocock, Boileau and the Nature of Neo-Classicism (Cambridge University Press:1980) for FRENCH REVIEW.
- 6. Activities in learned and professional societies(meetings attended, offices held professional papers read, etc.)
 - a. John J. Bergen. "Language Shift and Maintenance Among Albuquerque Police Officers," a paper presented at the New Mexico Consortium on Latin American Studies, held at UNM on Nov. 1, 1980. "Spanish Language Maintenance Among Albuquerque Police Officers," a paper presented at the IV Symposium on Spanish and Portuguese Bilingualism held in Ciudad Juárez, Mexico, on November 15, 1980. Participant in the 2nd Workshop on Language Testing, conducted by the Foreign Service Institute, Arlington, VA., from January 23-25 and May 7-9, 1980. New Mexico Director, Sigma Delta Pi, National Hispanic Society.
 - b. Garland D. Bills. "A Bibliographical Update on Spanish Language Maintenance and Shift", panel paper presented at 4th Symposium on Spanish and Portuguese Bilingualism, Juárez, Mexico, Nov. 1980. Chair of Theory and Practice sessions (and chair of Resolutions

Committee), annual meeting of Linguistic Association of the Southwest, Denver, October 1980. Also attended: 9th annual Southwest Area Language and Linguistics Workshop, El Paso, April 1980; annual meeting of the Linguistic Society of America, San Antonio, December 1980. Co-chair (with Victoria Fromkin, UCLA), Committee on Linguistic Institutes and Fellowships, meeting Albuquerque, March 1980. Ex-officio member, Program Committee (for the 1980 LSA Summer Meeting), meeting in Arlington, VA, May 1980. Reported on the 1980 Institute at meeting of the LSA Executive Committee in Albuquerque, July 1980, and in San Antonio, December 1980.

- c. Truett Book. Conseil d'Administration, Alliance Francaise. President AATF, New Mexico.
- d. June C. D. Carter. "Racial and National Consciousness in the Poetry of Nicomedes Santa Cruz", paper presented at a convention of the Southwestern Council on Latin American Studies, University of Texas, Austin, March 1980; "Images of Self and Nation in the Poetry of Nicomedes Santa Cruz", Symposium on Afro-Hispanic Literature, CUNY, June 6, 1980; "La negra in Afro-Latin American Poetry", Rocky Mountain Modern Language Association's Convention Denver, Colorado, October, 1980.
- e. Pelayo H. Fernández. Papers read: At International Symposium University Bahía Blanca (Argentina). At International Symposium UNM (Pérez de Ayala Centennial).
- f. Dick C. Gerdes. As a Fulbright-Hays grantee, attended three literary meetings in Lima, Peru.
- g. Erlinda Gonzales-Berry. Papers: "Diagnostic Testing in SNS Classes," Spanish and Portuguese Bilingual Symposium, Albuquerque

July, 1980. Bilingual Ethnic Literature, Bilingual Symposium, Juárez, November 1980.

- h. Angel González. "La poesía española después de Franco," a paper presented at Spain 1980, an Interdisciplinary Symposium, University of Chicago, April, 1980. "La poesía de Ramón Pérez de Ayala", a paper presented at the International Symposium commemorating the centennial of the birth of R. Pérez de Ayala, University of New Mexico, October, 1980. "La evolución de los símbolos en la poesía de Antonio Machado", a paper presented at First Louisiana Conference on Hispanic Languages y Literature, February, 1980.
- i. Bruno Hannemann. Seminar given: Youth sects in West Germany, at Glorietta German Weekend, April 19, 1980.
- j. Robert Holzapfel. AATG regional meeting.
- k. Tamara Holzapfel. Chaired Spanish American Literature Section at the Rocky Mountain Modern Language Association, October, 1980 in Denver, Colorado.
- l. Robert C. Jespersen. Attended Rocky Mountain MLA meetings in Denver, October, 1980.
- m. Enrique E. Lamadrid. Attended professional meeting in El Paso, New York, Los Angeles at various times during the year; was also scheduled to attend the annual meeting of the American Association of Teachers of Spanish and Portuguese in San Juan, Puerto Rico. Professor Lamadrid had to cancel due to health reasons.
- n. Byron Lindsey. Rocky Mountain AAASS, Albuquerque, April 13-14; AATSEEL national conference, Houston, December 27-29; Member, Board of Directors, American Council of Teachers of Russian; Academic Coordinator, ACTR Pushkin Institute program; president

El Paso-New Mexico Chapter, AARAEEL.

- o. Raymond R. MacCurdy. Member, Executive Council of the Renaissance. Society of America. Member, Editorial Board of the Bulletin of the Comediantes. Read a paper at the Louisiana Conference on Hispanic Language and Literature, March 1, 1980: "Peribañez... y la cuestión de fuentes".
- p. Patricia Murphy. Paper read "Tradition and change" in the Journal des Dames annual meeting of the South Central Society for 18th century studies, Spring 1980.
- q. Marshall R. Nason. 3rd Annual Convention, Fulbright Alumni Association, University of California, Berkeley, September 4-6. Read paper entitled "Sharing Research Findings with Host Country Institutions". Attended national meeting of the Latin American Studies Association, Indiana University, October 16-19 as member of Nat'l committee on Teaching of the CLASP Consortium.
- r. Peter K. Pabisch. Meetings attended: 6th Congress on International German Studies, IVG, University of Basel, Switzerland, August 1980. Offices held: Vice President of the International Dialect Institute, Vienna. Professional papers read: "Interdisziplinäre Aspekte der neuen Mundartlyrik," during the 6th IVG-Congress at the University of Basel, Switzerland, August 28, 1980.
- s. George F. Peters. President, Rocky Mountain Modern Language Association. Delivered banquet address at annual RMMLA meeting, Denver, October 17. Attended Executive Board meeting, Phoenix, Arizona, April 11-12.
- t. José R. Reyna. Guest Speaker, San Antonio Areal Association for Bilingual Education, April 1980. Guest Speaker, Our Lady of the

Lake University, San Antonio, Texas, April, 1980.

- u. Alfred Rodríguez. "En torno a la nominación del hidalgo cervantino" paper read at First Louisiana Conference on Hispanic Languages and Literatures, LSU, February, 1980. "En torno al cancionero teatral de Lope" read at Primer congreso Internacional sobre Lope de Vega, Madrid, June, 1980. With T. Ruiz-Fábrega. "Una fuente probable del poema "Castilla" de Pérez de Ayala" with Erlinda Gonzales-Berry. "Algo más sobre los zapateros de Pérez de Ayala Symposium, UNM, October, 1980.
- v. Claude-Marie Senninger. President of AATF of New Mexico. President of Alliance Francaise d'Albuquerque. Co-director of the French Summer School of New Mexico. Co-director of the newly founded Institut d'Etudes québécoises.
- w. Jon M. Tolman. Modern Language Assn: Section Chief of Luso-Brazilian Bibliography of MLA Bibliography. MLA Convention in Houston, December: chaired a session on Brazilian theater.
- x. Jack E. Tomlins. "Portugues: Silva Carvalho's Novelistic View of Contemporary Portugal." South Central Modern Language Association, Portuguese-Brazilian Section (Memphis, Tennessee), October 29 through November 1, 1980. Director and Presiding Officer, Luso-Brazilian Section, Rocky Mountain Modern Language Association, Denver, Colorado, October, 1980. "Gil Vicente's Vision of India and its Ironic Echo in Camoes' 'Velho do Restelo'". University of Florida Camoes Centenary, Department of Spanish and Portuguese and Latin American Center (Gainesville, Florida), September 29 through October 1, 1980. To be Published. "Simultaneism in Early Luso-Brazilian Modernism: Movie Montage and Poetic Language."

Portuguese Language and Linguistics Section, American Association of Teachers of Spanish and Portuguese, Annual Convention (San Juan, Puerto Rico), August, 1980. "Mário de Andrade's Fräulein: Modernist and Modern." Lecture at invitation of Department of Spanish and Portuguese and Latin American Center, Tulane University (New Orleans, Louisiana), March 26, 1980. "Cecilia Meireles' O Cavalo Morto': Exemplar." First Louisiana Conference on Hispanic Languages and Literatures, Louisiana State Univ. (Baton Rouge, Louisiana), February 28 through March 1, 1980. Attended annual convention of Modern Language Association, December, 1980 (Houston, Texas).

- y. Pearl Wu. Member of Asian-Studies. It meets once a month.
- 7. Other professional activities.
 - a. Marianne Barrett. Presentation on the "German Art Song" at different colleges in the New York area.
 - b. John J. Bergen. Consultant for Department of Spanish and Portuguese, Rutgers College, New Brunswick, N.J. (in the tenure and promotion decisions of Professor Carl Kirschner). Consultant for the City of Albuquerque (in administering Foreign Service Institute examinations to officers of the Albuquerque Police Dept.), April 1980.
 - c. Garland D. Bills. Editor, Andean Linguistic Newsletter, 1980. Editorial referee for articles submitted to the Modern Language Journal. Referee for book submitted for publication to Newbury House Publishers. Outside evaluator in 4 tenure/promotion decisions (U of Illinois, U of Houston, Arizona State U, and Eastern New Mexico U). Organizer, 1980 Summer Meetings of the American

- Dialect Society, July 1980. Co-organizer (with John Bergen, Enrique Lamadrid, and Guadalupe Valdes), 7th Colloquium on Hispanic Linguistics, July 1980. Selected proceedings are being edited for publication by John Bergen and Garland Bills. Organizer, 4th Andean Linguistics Workshop, August 1980.
- d. Truett Book. Coordinator French Weekend in Taos. Coordinator Distribution des Prix.
 - e. June C. D. Carter. Poetry reading for the "Poeta y el Pueblo" presentations given in Socorro and Las Cruces, New Mexico presented by members of the Department of Modern and Classical Languages under funds from the New Mexico Humanities Council.
 - f. Pelayo H. Fernández. Director International Symposium Pérez de Ayala Centennial, UNM October 23-25.
 - g. Dick C. Gerdes. As Fulbright-Hays grantee, Professor Gerdes gave talks on North American and Chicano literature at the Peruvian North American Cultural Institutes, in Lima, Peru (11/79, 4/80), Trujillo, Peru (12/79), Chiclayo, Peru (12/79), Arequipa, Peru (4/80), Cuzco, Peru (4/80).
 - h. Erlinda Gonzales-Berry. PANELS: Chicano Literature, Mexico Week, UNM April, 1980. "Language Maintenance in New Mexico," NMSU UNM Latin American Consortium Meeting, UNM. Albuquerque, Nov. 1980. Paper: "Possible fuente del poema 'Castilla,'" Simposio Internacional Pérez de Ayala, UNM, October, 1980.
 - i. Bruno Hannemann. Paper read: Austrian Theatre of the Seventies, at MLA Conference, Houston, TX., December 28, 1980. President of AATG New Mexico Chapter.
 - j. Lise Hoshour. Has sponsored during the past year in her gallery

several art exhibits which have contributed in a significant way to the artistic life of the community. Has also helped the Albuquerque Museum in the organization of some exhibits.

- k. Enrique E. Lamadrid. After his trip to Cuba he gave presentations to several student groups, made two radio appearances, participated in a press conference, and spoke to several classes about the experiences of the trip. Numerous consultancies on foreign language programs during the past year.
- l. Byron Lindsey. Lecture, "Moscow Today," University of Pennsylvania, Philadelphia, September 6; Chairman, Slavic Linguistics panel, Rocky Mt. MLA, 1981; exhibit arranged: "New Works by Aleksandr Kalugin, "Nakhamkin Gallery, New York City, Nov. 20 through Dec. 5 (with catalogue).
- m. Raymond R. MacCurdy. Gave Annual Research Lecture of University April 17, 1980: "Francisco de Rojas Zorrilla, Seventeenth-Century Dramatist and Feminist"
- n. Marshall R. Nason. TV program on Undocumented Workers, Channel 5, with Senator Schmitt. Three hour symposium on higher education in the United States for EA \$630 (Program in Educational Administration for Latin American Educators), Nov. 6, 1980.
- o. Peter K. Pabisch. Co-director of the 5th session of the German Summer School at Taos, June/July '80. Radio and TV appearance; journalistic activities: a) Interview: Swiss Broadcasting Corp., Radio Basel, 15 minutes: "Die Bedeutung der 4. Internationalen Dialekttage in Basel" (Oct. 3, 1980) b) Interview: "Das Dialektheft in DIMENSION'" 10 mins. Swiss Broadcasting Corp., Radio Basel (Sept. 1980). c) (with Uli Duber, Radio Basel): "Interdisziplinäre

- Aspekte der neuen Schweizer Mundartdichtung," 60 minutes, Swiss Broadcasting Corp., Radio Basel (Dec., 1980). d) Interview: "Die Bedeutung der Mundart in Westrumänien," 10 minutes, Swiss Broadcasting Corp., Radio Basel (Sept. 1980). e) Broadcasting: 20 minutes, "Interdisziplinäre Aspekte der neuen Mundartdichtung," Swiss Broadcasting Corp., Radio Basel and Radio Zurich (Sept, 1980). f) TV Interview: Austrian TV, ORF, Vienna, 'Zeit im Bild' (9/2/80, 5 minutes.): "Die Bedeutung der neuen Mundartwelle." g) 2 journalistic articles for Österreichische Diplomatische Korrespondenz, ODK: 1) "Aspects of the U. S. Economy 1979," pp. 52/53 (an interview with Professor Lothar Winter, UNM). 2) "The Santa Fe Opera 1979," p. 70. h) Interview: Neue Banater Zeitung (Temeswar, Romania): August 20, 1980: "The Success of the New Dialect Scene in Literature," p. 7. (Interviewer: Eduard Schneider), In German.
- p. George F. Peters. Workshop: Berlin, East and West, Annual German Weekend, Glorieta, April. Talks to German classes at Albuquerque and Del Norte High Schools.
- q. José R. Reyna. Consultant, Title I Migrant Program, Robstown, Texas, 1979-80.
- r. Diana Robin. Graduate Lecture Committee under the chairmanship of Charlene McDermott, 1980-81.
- s. Alfred Rodríguez. Organizer-officer-moderator of Pérez de Ayala Symposium, UNM, October, 1980.
- t. Jon M. Tolman. Director of "El Poeta y el Pueblo," a program of poetry readings and guitar music, sponsored by Society for the Preservation of the Hispanic Heritage and the New Mexico Humanities Council, touring the state. Produced, Spring 1980

a 30-minute video program in bilingual versions, aired December 21, 1980 on KNME-TV and shown nationally. Consultant to UNM Press, Modern Language Journal, Fairleigh Dickinson University Press, Harper and Row, Random House.

- u. Jack E. Tomlins. Consultancies for Smith College, New York University, Rutgers University, University of New Zealand, Luso-Brazilian Review, New York University Press.
- v. Sabine R. Ulibarri. Poetry recitals - El Poeta y El Pueblo - dramatic readings. Poetry recital at University of Albuquerque. Poetry recital on video tape for channel 5, Albuquerque, as part of Poeta y el pueblo series.
- w. Julian E. White. Director, Arts and Sciences Advisement Center UNM/Albuquerque Schools Liaison Committee (1980-81). Various "Outreach" activities with Office of School Relations. Chairman Arts and Sciences Graduate Committee (Semester II). Chairman, Senate Graduate Committee (Semester II). Senate Executive Committee (Semester II).
- x. Pearl Wu. Appeared on TV 7 one time.

8. Non-teaching University service.

- a. John J. Bergen. Administrative service: Chairperson of the Spanish section; undergraduate advisor for Spanish, graduate advisor for Spanish.
- b. Garland D. Bills. Chair, Department of Linguistics. Director, 1980 Linguistic /TESOL Institute. Chair, Visiting Lectures' Committee for the Humanities and Social Sciences. Secured support for two visiting faculty to make possible their participation in the 1980 Institute: \$1,500 from the Calouste Gulbenkian Foundation

for the salary of Professor Luis Lindley Cintra of the University of Lisbon, Portugal, with air travel support from the Instituto de Cultura Portuguesa (assisted by Jack Tomlins). Fulbright lecturer's grant for Professor Rodolfo Cerrón-Palomino of the University of San Marcos, Peru.

- c. Truett Book. Undergraduate Advisor for French, UNM.
- d. June C. D. Carter. Key person, United Way Campaign, Department of Modern and Classical Languages Advisor, Senior Day Program, Office of School Relations and Prospective Student Services.
- e. Pelayo H. Fernández. Faculty Advisor, Graduate Students Committees.
- f. Erlinda Gonzales-Berry. Advisor: Mesa Chicana. Advisory Council of the Southwest Hispanic Research Institute. Search Committees: Latin Americanist, Director of SHRI.
- g. Bruno Hannemann. Chairperson, Graduate Committee of Modern and Classical Languages.
- h. Robert Holzapfel. Faculty advisor for German Club. Chairman of Building Committee.
- i. Tamara Holzapfel. Chair, Arts and Sciences Tenure Committee.
- j. Natasha Kolchevska. Russian Studies Committee: Comparative Literature committee. Russian Club advisor.
- k. Enrique E. Lamadrid. Advisor to undergraduate students; co-ordinator of Spanish 101 and 102 courses which includes supervision, observation, and training of graduate assistants; in charge of challenge examinations; committee on the language laboratory.
- l. Byron Lindsey. Director, Russian language program; Russian Studies Committee, Comparative Literature Committee, Committee

for IREX Russian Summer Language Teachers Proposal (International Programs); Telephone Recruitment Campaign for High School Seniors (School Relations); Board of Advisers, Career Enrichment Center, APS.

- m. Raymond R. MacCurdy. Member, Arts and Sciences Promotion Committee, 1980-1981.
- n. Patricia Murphy. AATF activities, Alliance Francaise. Comparative Literature Committee Secretary, Phi Beta Kappa of New Mexico.
- o. Marshall R. Nason. Director, Ibero-American Studies doctoral program; Acting Director (until June 30), Latin American Institute, Member, Search Committee for Dean of Arts and Sciences; Chairman, Departmental Search Committee; member International Relations Committee of the Senate.
- p. Peter K. Pabisch. Chairman, Comparative Literature Program, UNM. Member, Long Range Planning Committee. At-Large Member, UNM Faculty Senate.
- q. George F. Peters. Faculty Senate; Assistant Chairman, Modern and Classical Languages. Chairman, Honors Council; Student Standards and Grievances Committee.
- r. Alfred Rodríguez. Chairman, Departmental Policy Committee. President, Phi Beta Kappa of New Mexico.
- s. Claude-Marie Senninger. Member of the UNM Academic Freedom and Tenure Committee; Head, French section of Modern and Classical Languages; Member of the Search Committee for graduate dean.
- t. Jon M. Tolman. Library subcommittee of the Latin American Institute UNM Faculty Senate. Chairman, Modern and Classical Language Undergraduate Committee, Chairman Arts and Sciences Languages

Task Force.

- u. Jack E. Tomlins. Faculty advisor (undergraduate, graduate) for Portuguese. Arts and Sciences Graduate Committee. LAI sub-committee on academic programs.
 - v. Warren S. Smith. Currently on four doctoral committees, two in languages, one each in English and Philosophy.
 - w. Sabine R. Ulibarri. Department Chairman; graduate and undergraduate advisor.
 - x. Pearl Wu. Works with students on the side.
9. Public service.
- a. Marianne Barrett. Alto soloist at St. John's Episcopal Cathedral.
 - b. Truett Book. Neighborhood Coordinator for Heart Fund and Cancer Society.
 - c. Pelayo H. Fernández. Member Gijón Sister City Committee.
 - d. Robert Holzapfel. NM Wilderness Study Committee.
 - e. Enrique E. Lamadrid. Supported several cultural organizations, especially the Albuquerque and Santa Fe Opera companies, the New Mexico Symphony, the Compañía de Teatro, etc.
 - f. Marshall R. Nason. Foster Parents Plan (Colombia). Member, Hispano Chamber of Commerce of Albuquerque.
 - g. Peter K. Pabisch. Three talks in Albuquerque to various Kiwani Clubs on "The US and European School Systems: A Comparison," "Vienna Revisited" (with slides), "The U.S. and Europe 1980: Seen from the German Point of View."
 - h. George F. Peters. KHFM Volunteer Announcer.
 - i. Jon M. Tolman. President Albuquerque chapter, Amigos de las Américas.

- j. Jack E. Tomlins. P.T.A. Cub Scouts. Camp Fire Girls.
- k. Pearl Wu. In charge of the UNM Children's Chinese language class instruction.

10. Personal Information

- a. Enrique E. Lamadrid. On the advice of his doctors, since July 1980, has had to curtail his activities due to coronary problems.
- b. Warren S. Smith. Married Deborah Kern on November 6, 1980.

Report of Department of Philosophy
July 1, 1980 - July 1, 1981
Howard N. Tuttle, Chairman

I. General Departmental Information

- A. The Department is in the process of reviewing its course offerings at the undergraduate level and at the graduate level. We are going to teach more undergraduate courses that will enable the undergraduates to fill their humanities requirement. These courses will have a topical orientation e.g. history of ideas, Spanish or Mexican philosophy, the idea of good and evil. Our previous emphasis on graduate study will gradually give way to undergraduate studies. Our Religious Studies program continues to grow. This program is hosted by the Philosophy Department. It now has its own major and minor and enrollment continues to grow. We now have a committee to direct the teaching of courses and to determine when they are given. The acting chair for next year will be Professor Fred Schueler while Professor Tuttle is on sabbatical.
- B. Our distinguished visiting professor for this year was Professor Arthur Basham who taught courses in Indian philosophy and the history of oriental thought, and an extra course in San Skrit.
- C. Professor Archibald Woodruff replaced Professor Matthieu Casalis who was on leave for the academic year. He taught courses in the area of religious studies, and his teaching was very well received.

- I. D. Professor Tim Bartel replaced for the Spring term, Professor Peter Eggenberger who had to leave the department suddenly in the mid-year. He taught courses in introductory philosophy and aesthetics.
- E. Professor Andrew Burgess was granted tenure in the Philosophy Department.
- F. There were no academic promotions.
- G. Professor Paul Schmidt was on LWOP for the academic year.
- H. Professors Tuttle and Sturm were granted sabbatical leaves for the fall term in the case of Professor Tuttle and for the year in the case of Professor Sturm.

II. Significant Plans

Professor Charlene McDermott has been chosen graduate school Dean. We plan to hire a full time person in the area of logic. The late decision on this matter by the central administration has meant that we lost a chance to hire our top choices. We will fill the position on a one-year term basis, and expect to institute a search again next year, for a person who will be offered a three-year contract.

III. Appointments to the staff

We hired Professor Archibald Woodruff to teach in religious studies for the spring term, 1981. We also hired Professor Tim Bartel to teach for spring term, 1981. We also had Professor Arthur Basham as Distinguished Visiting Professor for this academic year.

IV. Separations from Staff

We will lose Professor Gene Hargrove who decided to take a job at the University of Georgia. Both Professors Bartel and Woodruff will leave us at the end of this term because the people whom they replaced are returning. Professor Basham will leave at the end of the year because his appointment as Distinguished Professor will expire at the end of this year.

V. Composite information from biographical supplement

Professor A. L. Basham

'Early Imperial India' in ed Arthur Cotterell's The Encyclopedia of Ancient Civilizations. London, Rainbird, 1980, pp. 184-191.

9 Lectures/seminars given to other Universities:

Jan 12-13	Univ. of Calif. Santa Barbara	The Gypsies--Their Origin and their place in History New Movements in Indian Religion The Nature of Mystical Experience
Jan 14	Univ. of Calif. Berkeley	Indian Religion Today The Gypsies ...
Jan 15	Univ. of Calif. L.A.	New Movements in Indian Religion
April 9-10	Univ. of Iowa, Iowa City	Recent trends in Hinduism How the Modern Hindu sees his gods The Gypsies ...
April 23-24	Pitzer College, Claremont, Ca.	The Gypsies ... How the Modern Hindu sees his gods New Movements in Indian Religion
April 30	Univ. of AZ. Tucson	New Movements in Indian Religion

"A new voice for new times" The First A. L. Basham lecture, delivered under the auspices of the Faculty of Asian Studies at the Australian National University October 22, 1980

Timothy Bartel

Visiting Professor Spring 1981

Consultant in Medical Ethics to the Michigan Medical Schools Council of Dean's Project in Medical-Legal Education. October 1980.

Andrew Burgess

Review of The Grammar of Faith by Paul L. Holmer (Harper, 1978), in Reflection (Yale), 77 (January, 1980), p. 13.

"Science Fiction and Religion," in Teaching Science Fiction: Education for Tomorrow, ed. Jack Williamson (Philadelphia: Owlswick, 1980), pp. 168-76.

"Applied Exochristology," paper submitted for publication.

Review of book, Energy Ethics: A Christian Response

Proposal in process for using new computer techniques to analyze textual features of Kierkegaard's Concluding Unscientific Postscript

Paper on Brentano and Schell in preparation for Spring Rocky Mountain AAR.

Chair, Religious Studies Program. Religious Studies major approved (September) Chair (fall, 1980) of Philosophy Department Graduate Affairs Committee.

Member, Faculty Senate Library Committee.

Establishment of monthly Religious Studies Colloquium with distinguished professors, mailing to university & community. Mailings about Religious Studies Program to churches & synagogues statewide.

Matthieu Casalis

Spent the summer in Colombia, S. A. attending the first International Latin American Philosophy Conference in Bogota, where I read a paper. I was invited to lecture in two Colombian Universities. I spent the summer doing research on Latin American philosophy.

Wrote three articles on Zen Gardens, Japanese Archery and Religious Alienation, all of which have been accepted for publication.

Completed the manuscript of a book, "Semiotics East and West: and submitted for publication.

Member of Albuquerque Chapter of Amnesty International

Helena Eilstein

The book On the Concept of Existence almost completed. The essay "On the Concept of a Physical Individual" in progress.

Russell Goodman

"Taoism and Ecology," Environmental Ethics Vol. 2, No. 1, Spring, 1980 pp. 73-80

Review of Scherer, Facione, Attig and Miller, Introduction to Philosophy: From Wonder to World View and of Wolff, Introductory Philosophy, in Teaching Philosophy, 1980, pp. 339-342

Completed papers entitled "Whitehead's Environmental Ethics" and "Nature's Sounds and Silence".

Academic Freedom and Tenure Committee

Faculty Senate

Student Radio Board; Faculty Advisor, Student Fencing Club

Eugene Hargrove

one-half time teaching

Editor of the journal Environmental Ethics

Donald C. Lee

Travel: trips to Cuernavaca, Mexico to study Spanish Jan. 80 and Cuba in June 80 for political information.

"On the Marxian View of the Relationship between Man and Nature", Environmental Ethics, Vol. II, No. 1, Spring 1980, pp. 3-16. Review of Finnin and Smith, The Morality of Scarcity: Limited Resources and Social Policy, Natural Resources Journal, Vol. 20, No. 2, April 1980, pp. 415-516. Review of Galvano della Volpe, Rousseau and Marx, Choice, Jan. 80

Two more Choice reviews submitted in Fall 80

Member Faculty Ethics and Advisory Committee

Departmental Undergraduate Advisor for Philosophy Majors and Minors and for

Donald C. Lee

Philosophy-English Majors
Faculty Advisor and treasurer for Nicaragua Solidarity Coalition.

Charlene McDermott

Associate Dean/Graduate Studies

Book - A Translation & Philosophical Interpretation of Boethius of Dacia's
Treatise on the Modes of Signifying E. Benjamins - Amsterdam - 265
pages, 1980

Article - Journal of Chinese Philosophy "Dependent Co-Arising," Autumn, 1980

Review Editor - Journal of Buddhist Studies

April - 1980 Lecture on Buddhism - Buddhist Institute, Berkeley

April - 1980 Lecture on Comparative Philosophy - Colloquium - Minds & Bodies
Univ. of Calif. Berkeley

Dec. - 1979 Lecture - Giodano Bruno - Theatre Arts Dept., UNM

Various committees & task forces related to my work in the Ofc of Grad Studies
e.g. chaired LASL Director of UNM Grad. Prgm Search Comm., chaired Pub. Ad.
Dir. Search Comm.; conducted review of Chem. Grad. Prgm., organized Grad.
Interdisciplinary Lecture series, etc.

Forthcoming: Reader on Comparative Philosophy, University of Hawaii Press.

Article - "Pratitya Sumutpada" - in memorial volume for Professor Jayatilleke -
Ceylon; Research in progress - on the logic and grammar of T. Campanella

Brian O'Neil

An article on Spinoza is being prepared for an invited reconsideration by
the Journal of the History of Philosophy.

Served as invited referee for The Southwestern Journal of Philosophy

Paul Schmidt

Book: Temple Reflections, Hummingbird Press, 1980, pp. 104

Working on an article on "The Naturalistic Fallacy Reconsidered" and on a
new book on Philosophical Autobiography. Revising first draft of a book
The Aesthetics of Existing

Continue to serve on the Board of Directors of Jemez Bodhi-Mandala Zen
Center, Jemez Springs, N. M.

Member of the Humanities Promotion Committee of College of Arts and Sciences.

George Frederick Schueler

"Can Subjectivism be 'Defused'?" Meta Philosophy, late 1980 or early 1981 working on the following: a book manuscript on moral skepticism, "Davidson on Weakness of Will" (article), "Reverse Discrimination and Compensatory Justice" (article), "Two Models of Teaching" (article) and "Reasons and Responsibility" (article).

Paper, "Reverse Discrimination and Compensatory Justice," read at the UNM Philosophy Club Meeting, October 3, 1980.

Director of Graduate Studies for Philosophy Dept. beginning Jan. 1980.
Member, A & S Graduate Committee; Member, Univ. - School Relations Committee;
Member, Student Standards and Grievance Committee.

Fred Gillette Sturm

"Dependence and Originality in Iberoamerican Philosophy" International Philosophical Quarterly, vol. XX, No. 3 (September, 1980), pp. 249-263

"Against a Tide of Oppression", the WCAA Bulletin, vol. LIV, no. 2 (Fall 1980) pp. 1-4

Book Reviews (all in Choice)

A thousand teachings: the Upadesasahasri of Sankara,

tr. by Sengaku Mayeda (January, 1980)

The theories of error in Indian philosophy: an analytical study, by

Bijayananda Kar (February, 1980)

Radhakrishnan on Hindu moral life and action

by Aloysius Michael (February, 1980)

Nyaya-manjari: the compendium of Indian speculative logic (v. 1),

tr. by J. V. Bhattacharyya (March, 1980)

The Yoga-Sutra of Patanjali: a new translation and commentary,

tr. by Georg Feuerstein (September, 1980)

Feb 27 : "Aristotle's metaphysics", Albuquerque Academy

Feb 21 : SOLAS panel on "Theology & Philosophy of Liberation in Latin America"

March 10: "Shintoism", Guadalupe Middle School

Apr. Japan-in-Albuquerque Symposium, paper: "An assimilationist culture in search of authenticity"

May 21: Rio Rancho Exchange Club "The resurgence of Confucianism in contemporary China"

Oct. 15: "The concept of theos in Plato & Aristotle" Albuquerque Academy

Spring sem.: Faculty Senate; Univ. Press com.; Univ. Com. on Asian Studies (chair)

Com. on Religious Studies; Latin Amer. Inst. Concilium & Program Com.

Fall sem.: Univ. Press Com. Univ. Com. on Asian Studies; Com. on Religious Studies (Executive Committee); Honorary Degrees Com.; A & S Advisory Committee for Promotion in the Humanities; Latin American: Faculty Concilium, Policy Committee, A & S Dean's Advisory Committee (chair)

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Fred Gillette Sturm

Indian Pueblo Cultural Center: Museum Docent; Board of Directors: Friends of IPCC; Chair, Education Com; Director, Research Center for Pueblo Indian Studies; Administrator, NEH Grant for establishing Children's Activities Center; Segunda Iglesia Congregacional: Pianista y Director de Musica; Sociedad de los Hombres (Vice-Presidente); Albuquerque Archaeological Society.

Howard Tuttle

Chairman

"The Philosophical Genesis of Ideal Types" Southwestern Philosophical Studies, March, 1981

"The Existential Basis of Paul Tillich's Philosophy" Renaissance Spring, 1981.

Book Reviews: Choice, April 21, 1980; Clio, 10:3; Choice, Sept. 3, 1980.

Book in Progress: They: A Study in the Problem of Intersubjectivity in Dilthey, Heidegger, Schutz

Invited paper: American Philosophical Association, Boston, Dec. 27, 1979
"THE Idea of Life in Dilthey and Ortega y Gasset:

Academic Senate 1980-1981

Archibald Woodruff

Visiting Professor - Spring 1981

The Semantics of Shalom in the Old Testament and Eirene in the Septuagint, since 1976 but especially summer and fall, 1980; an application of structural semantics to a Biblical. Monograph to be completed as soon as possible.

"The Bible in the CPE Setting: Contributions," final paper in CPE intership, 1980

Adult Church School lessons - six lesson on Rev. -due 3/81 for the Program Agency, UPCUSA

Projected: Pauline anthropology & the pastoral care of persons with OBS, related to CPE work done 1979-80

THE REPORT OF THE DEPARTMENT OF PHYSICS AND ASTRONOMY

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July 1, 1980 - June 30, 1981

R. Marcus Price -- Chairman

I. General Departmental Information

A. Significant Achievements During the Academic Year 1980-81

During the academic year 1980-81, twenty-two students received degrees in Physics or Astrophysics. Six of these were B.S. degrees in Physics, four were B.S. degrees in Astrophysics. Six students received M.S. degrees in Physics, and five students received the Ph.D. degree in Physics. One additional student received a minor in Astro Physics. The following tables list the students who received degrees in Physics or Astrophysics.

Students receiving a B.S. Degree in 1980-81

Gary Buckingham	Vincent M. Fischer
Sean Clancy	Robert C. Hampton (astrophysics)
Brian F. Clark (minor, astrophysics)	Robin K. Justice (astrophysics)
Anthony J. Colucci (astrophysics)	Sherry Thompson (astrophysics)
Stephen F. Elston	Gregg C. Wagener

Daniel D. Weeks

Students receiving a M.S. Degree in 1980-81

Laurence J. Rose	James Riker
Douglas Beason	James Rotge
Robert Marchini	Susan Oaks

Students receiving a Ph.D. Degree in 1980-81

Charles Frost	Stephanie Sonnleitner
Eugene Hertel	Alan Paxton

Richard Swanson

Continuing development of the Department and existing programs have characterized this academic year. The Institute for Modern Optics was

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established as a unit of the Department during the summer of 1980. Its continuing development during the year has greatly increased the activities within the Department. At the end of the year the Institute comprised approximately twenty people, including faculty and research scientists. A Ph.D. program in Optical Sciences and Optical Engineering, to be offered in cooperation with the Department of Electrical and Computer Engineering, will begin in the fall semester. Much of the support for the Institute has come from outside sources, with its program currently funded at an annual level of more than \$400,000. We also appreciated continued University support of this new Institute. In spite of the strain placed on Departmental facilities and resources by this rapid growth, we were able to continue development of our other program areas.

Operation of the Physics Tutorial Center, which as proven to be an effective reinforcement for students in our introductory physics courses, was continued. Enrollment in these introductory courses, most of them offered as service courses for science and engineering students, increased by approximately twenty-five percent. This created problems in the area of Graduate Assistant support of the courses, but we nonetheless were pleased by this growth in our offerings.

We also continued the public open nights at the Campus Observatory. The popularity of these weekly opportunities to view the skies, combined with special presentations to individual groups, has increased total attendance at the Observatory to about 5,000 people yearly.

During the September New Mexico State Fair the official UNM exhibit was provided by the Department. Many faculty members were involved in setting up and manning the exhibit. This opportunity for increased interaction with the public provided visibility for the Department and a useful exchange of information. One donation of equipment to the Department resulted from the public exposure.

The One Hundred Fifty-seventh Meeting of the American Astronomical Society was hosted by the Department in January. The meeting attracted over 600 astronomers from all over the United States, Mexico, and Canada. In addition to the regularly scheduled sessions, special scientific tours were offered to Chaco Canyon, Sandia and Los Alamos National Laboratories and the Very Large Array. The Southwest Regional Conference on Astronomy and Astrophysics also held its two day spring meeting at UNM.

Forty-one invited speakers gave presentations on a variety of topics as part of the Department's weekly colloquium series. Two public talks were presented in the Distinguished Lecture Series sponsored jointly by the University and Sandia Laboratories. Prof. Kip Thorne from Caltech spoke on "The Search for a Black Hole in Space" and also presented a colloquium and a seminar. Prof. Abraham Pais, Rockefeller University, was the other distinguished lecturer. His topic was "The Origin of the Einstein Legend." Dr. Pais also presented a colloquium, "How Einstein Got His Ph.D." Additionally, the Department sponsored a public talk by Professor Bart Bok of the University of Arizona who presented "An Illustrated Tour of the Milky Way."

Both the undergraduate and graduate programs of the Department continued to grow stronger. Based on the number of sophomore and junior level students in the current year who have indicated physics or astrophysics as their major or minor area, we expect a ten to twenty percent increase per year in the number of B.S. degrees that we will award over the next few years. This year we received more applications for admission to our graduate program and from generally better students. The expertise of our faculty in some dozen areas and the opportunities for active involvement in a broad range of first-rate research programs can be expected to continue this trend.

Sponsored research in the Department currently exceeds \$800,000 per year. At present we have 19 projects funded by sources external to the University.

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Seventeen faculty members and twelve research staff and associates are actively working on this sponsored research. The results of this research are reported by publications and presentations detailed in later sections of this report.

Reorganizing the administrative structure of the Department began in February. Existing procedures are being studied, and we expect that involving all members of the support staff in planning and implementation of new procedures will improve the administrative and support function. Existing office equipment is also being evaluated to determine needed changes for increased effectiveness.

The availability of the Science and Engineering Equipment Bond funds has allowed us to begin upgrading our research equipment. In particular, we concentrated on providing equipment in the following areas: computer terminals for faculty and student use, image processing equipment for astronomy, detectors for medium energy particle experiment,

B. Significant Plans and Recommendations for the Near Future

We expect to continue strengthening our programs in astrophysics. To support our efforts in radio astronomy, our plans for an image processing facility to analyze data from the Very Large Array have been submitted to the National Science Foundation and other agencies for possible support to match the funding already committed by the University. We also have started a cooperative program with Sandia National Laboratories to develop image processing systems and methods.

A major need of the Department is a new campus observatory. Presently we are able to meet only approximately one-half of the demand for our laboratory classes in undergraduate astronomy because of the limitations of our on-campus facility. Additionally, the facility is not well designed for our upper division courses in terms of dark room and storage facilities, and the current

building is not suited to handling the large number of people we have for our weekly open nights. The above reasons make a new campus observatory a very high priority for the Department.

Along with these plans we also are planning to upgrade our facilities at our Capilla Peak Observatory. The telescope control and drive systems are badly in need of refurbishment. These improvements are necessary to support our expanding research programs at Capilla Peak.

In the next few years there is no doubt that significant opportunities will exist for increased research in the following areas: space physics (including astrophysics, plasma physics, and solar terrestrial physics), optics, laser physics, and applied physics. There is sufficient interest in these areas from the industrial sector that we hope to obtain the necessary outside support for bringing in new faculty and research members. We have already started discussions with several companies.

In particular, we would expect to see expansion in the areas of the Institute for Modern Optics. We expect to bring in one additional faculty member (P.T.) in each of the next three academic years. We have established a cooperative graduate research fellowship program with CVI in Albuquerque. Research programs in the optics area have substantial support, and we would expect to see a growth in the research staff in that area. Along with that growth there will be an increased demand for laboratory space for experimental research. This has been outlined in our space requests to the University.

To meet the needs of the various research groups in the Department, we are continuing to remodel underutilized space in the P & A Building. In particular, we are making changes to allow more space for optics experimnts and astronomy data analysis.

Finally, no report is complete without a mention of operational problems. We continue to have difficulty in finding resources for obtaining office

furniture and equipment for our expanding research staff. Repair of major pieces of equipment must be paid for from already meager general expense funds. Finally, I note that the Department allowance for general materials and services has been essentially level in recent years. The combined effects of increased research and academic activity in the Department -- coupled with inflation -- mean that we are substantially underfunded in this area at present. In the personnel area we continue to be short of teaching laboratory support. We require at least one additional half-time person to support our introductory laboratories. Another half-time technician is also needed to support our junior and senior laboratories.

C. New Additions

The following faculty members were appointed during the year: Jack Burns, Asst. Prof., August 1; Weng Chow, Asst. Prof., August 1; James Small, Assoc. Prof., August 18; William Sweatt, Assoc. Prof., August 18, and Kevin Cahill, Asst. Prof., January 1. Jeanne Williams joined the Department as a Staff Assistant for the Institute for Modern Optics on September 8. Paul Re began working as a Lab Technician (half time) on January 26. Lorene Deckert and Sandra Weeke joined the office staff as Staff Assistants (Ms. Deckert half time) on February 11, and Henry C. Starnes was employed to assist in our shop on March 30.

D. Departures

Virginia Roy, Administrative Assistant, retired at the end of 1980, and Professor John Green retired at the end of the academic year. Ms. Roy had been with the Department for twenty years. Professor Green joined the faculty at UNM in 1950 and served in many roles during his years of service to the University.

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced Study

Seymour S. Alpert

Passed private pilot's written certification exam, FAA, April, 1980;
Colonel, Aide de Camp to Governor of New Mexico (Honorary)

Alan W. Peterson

Introduction to Micro-processors--Stanford; TV course at Ames Research Center; continued work toward real estate certificate

2. Sabbaticals, leaves of absence summer teaching elsewhere, travel, etc., during the period

Harjit S. Ahulwalia

Traveled to Budapest, Hungary, to attend 23rd COSPAR Plenary Meeting and Symposium on Cosmic Rays in Heliosphere; Bologna, Italy, to attend IUPAP/IAU Symposium #94 on the Origin of Cosmic Rays

Seymour S. Alpert

Visited archeological sites in Egypt and Israel, May, 1980; visited northern England, June, 1980; visited NSF and AFOSR in Washington, DC to examine funding possibilities; visited Optical Sciences Center, Tucson, AZ to explore laboratory procedures

Charles L. Beckel

Intergovernmental Personnel Act Assignment Agreement, on detail to the U.S. Arms Control and Disarmament Agency, Washington, DC from 11 August 1980 to 10 August 1981

Howard C. Bryant

Canado, AZ, 10-12 April 1980; Washington, DC, 27-30 April 1980; Minneapolis, 10-12 June 1980; Phoenix, 1-4 June 1980; Boston, 3-9 August 1980; Boulder, CO, 10 September 1980; California, 20-30 December 1980

James Daniel Finley III

Travel to Mexico City from May 20 to June 13, 1980, for work with Dr. Jerzy Plebanski, Centro de Investigaciones y EA del IPN; travel to Ninth International Conference on General Relativity and Gravitation, Jena, East Germany, July 8-15, 1980; travel to Max Planck Symposium on General Relativity and Quantum Optics, Munich, West Germany, July 16-23, 1980.

Lois Kieffaber

Leave of absence, Fall Semester, 1979

Alan W. Peterson

Spent summer at Ames Res. Ctr., Moffet Field, CA.

R. Marcus Price

Summer research at Very Large Array radiotelescope of the National Radio Astronomy Observatory, Socorro, NM

Marlan O. Scully

Max Planck Institute, Munich, Germany; Erice Summer School

James G. Small

Moved from University of Arizona, Optical Sciences Center and Department of Surgery, to UNM

Derek B. Swinson
Travel to Canada May/June 1980

David W. Wolfe
Two international trips to Geneva, Switzerland, to discuss and defend experimental proposals at CERN; collaboration meeting at Lawrence Berkeley Lab., Berkeley, CA.; also at SUNY-Albany, NY., attended Digital Equipment Corporation Schools at Santa Clara, CA (RSX11M User, RSX11M Programmer), and New York, NY (RSX11M Systems Manager) for use with our new PDP 11/60 computer; attended data analysis meeting at UC Irvine.

Michael Zeilik
Leave of absence, January-June 1980, Visiting Associate Professor of Astronomy, University of California, Berkeley, CA.

3. New scholastic honors, fellowships, etc.

Howard C. Bryant
Advanced to Fellowship in the American Physical Society, 22 November 1980 (Division of Electron and Atomic Physics)

Alan W. Peterson
ASEE summer fellowship at NASA Ames/Stanford U. (10 weeks)

Marlan O. Scully
Senior Humbolt Fellowship

4. Publications

Harjit S. Ahluwalia

"Solar Polar Field Reversals and Secular Variations of Cosmic Ray Intensity," Solar and Interplanetary Dynamics, D. Reidel Pub. Co., Boston, Eds. E. Tandberg-Hanssen and M. Dryer, 1980.

"Cosmic Ray Evidence for Heliosphere Models," Trans Am. Geophys. Union, 61 (#17), 352, 1980.

"Temporal Variations of the Cosmic Ray Intensity and the Magnetic Configurations of the Heliosphere," Advances in Space Res., 1 #3, 1980. Also presented orally at 23rd Plenary Meeting of COSPAR, held at Budapest, Hungary, on June 2-14, 1980.

"Cosmic Ray Evidence of the Magnetic Configurations of the Heliosphere," Origin of Cosmic Rays, IAU Symposium #94. D. Reidel Pub. Co., Amsterdam. Eds. A. W. Wolfendale and G. Setti, 1980.

"Magnetic Field Line Reconnection Concept and the Shape of the Heliosphere," Conf. Record: 1980 IEEE Intern. Conf. Plasma Sci., 80CH1544-6-NPS, p. 140, 1980.

"On Eleven Year Variation of Cosmic Ray Intensity," Bull. Am. Astron. Soc., 12 (#4), 812, 1980.

"Secular Trends in Solar Diurnal Variation of Cosmic Rays," Bull. Am. Astron. Soc., 12 (#4), 812, 1980.

"Disappearing Solar Filaments and Cosmic Ray Intensity Variations," Bull. Am. Astron. Soc., 12 (#4), 813, 1980.

"On Mass Absorption Effect of the Nucleonic Component of Cosmic Rays," Bull. Am. Astron. Soc., 12 (#4), 813, 1980.

"Models of the Heliosphere," Research Proposal submitted to the Southwest Resource Center for Science and Engineering.

"Models of the Heliosphere," Research Proposal submitted to the Southwest Resource Center for Science and Engineering.

Seymour S. Alpert

Optimal Time Response to Food Shortage and the Two-Reservoir Energy Model.
Rejected by Amer. J. Clin. Nutr. To be revised for J. Theor. Biology.
Brown Adipose Tissue and Diet-induced Thermogenesis. Submitted to Nature.
Dec. 1980. (Currently being reviewed)

Charles L. Beckel

"Study of Conformations of the Adenosine Phosphates. I: Adenosine Monophosphate (AMP)," Journal of Theoretical Biology, Vol. 85, pgs 293-303 (1980). Co-authors: S. Zink and A. C. Larson.

"Study of Conformations of the Adenosine Phosphates. II: Adenosine-Tri- and Di-phosphate (ATP, ADP)," J. Theor. Biol. 85, pgs. 305-323 (1980). Co-authors: S. Zink and A. C. Larson.

"Rational fraction representation of diatomic vibrational potentials. Application to H_2^+ ground state," J. of Chemical Physics, Vol. 73, 3517 (1980). Co-author: P. R. Findley.

"A new functional form for representing vibrational eigenenergies of diatomic molecules. III. Application to D_2 and HD ground states," J. Chem. Phys. 73, 4698 (1980). Co-Author: R. B. Kwong.

"Rational Fraction representation of diatomic vibrational potentials. II. Application to H_2 ground state," J. Chem. Phys. 73, 5385 (1980). Co-authors: R. B. Kwong and A. R. Hashemi-Attar.

"Rational fraction representation of diatomic vibrational potentials. III. Application to $H_2^+ 2p\pi_u$ electronic state," J. Chem. Phys. 73, 5398 (1980). Co-authors: E. R. Scaggs and R. B. Kwong.

"Rational fraction representation of diatomic vibrational potentials. IV. The $2p\sigma_u$ Vander Waals state of H_2^+ ," J. Chem. Phys. 73, 5404 (1980). Co-author: S. A. Sonleitner.

Howard C. Bryant

"Measurement of Polarization in K^+p Elastic Scattering Between 0.955 GeV/c and 1.272 GeV/c," Nuclear Physics B168, 207-221 (1980). Co-authors: A. A. Carter, M. Coupland, E. Eisenhandler, W. R. Gibson, P. I. P. Kalmus, T. W. Pritchard, H. Sandhu, S. J. Watts, G. T. J. Arnison, A. Astbury, J. K. Davis, G. H. Grayer, D. Hill, A. W. Robertson, T. P. Shah and C. Sutton.

"Two-Electron Photodetachment from H^- Ion", presented by C. A. Frost, paper GJ9, Bull. Amer. Phys. Soc. 25, 565 (1980). Co-authors: D. A. Clark, C. A. Frost, J. B. Donahue, P. A. M. Gram, M. E. Hamm, R. W. Hamm, W. W. Smith

"Polarization in K^+p Elastic Scattering Between 0.955 GeV/c and 1.272 GeV/c" presented by S. J. Watts at Workshop on Low and Intermediate Energy Kaon Nuclear Physics, Rome, 24-28 March 1980. Co-authors: A. A. Carter, M. Coupland, E. Eisenhandler, W. R. Gibson, P. I. P. Kalmus, H. Sandu, S. J. Watts, A.

Astbury, J. K. Davies, G. H. Grayer, A. W. Robertson, T. P. Shah and C. Sutton. "Observation of Structure in the H^- Photodetachment Cross Section Below $n=6$ " presented by D. A. Clark, paper H7, Bull. Amer. Phys. Soc. 25, 1137 (1980). Co-authors: D. A. Clark, K. B. Butterfield, C. A. Frost, J. B. Donahue, P. A. M. Gram, M. E. Hamm, R. W. Hamm, W. W. Smith.

"Atomic Physics with Relativistic Beams" invited paper presented by H. C. Bryant at 7th International Conf. on Atomic Physics, MIT, Cambridge, MA, Aug. 4-8, 1980. To be published in Book of Invited Papers. Co-authors: K. B. Butterfield, D. A. Clark, C. A. Frost, J. B. Donahue, P. A. M. Gram, M. E. Hamm, R. W. Hamm, W. W. Smith

"What Happens When a Solar Pond Boils?" To be published in the Solar Pond Newsletter, Tom Ochs, Ed. Co-authors: D. D. Weeks, S. M. Long, R. E. Emery.

Kyoto Paper, reported last year, has now been published:

"Studies of H^- Resonances in an Electric Field" in Electronic and Atomic Collisions, Edited by N. Oda and K. Takayanagi, North Holland Publ. Co., 1980.

"Photodetachment of Relativistic Ions", invited paper presented by J. B. Donahue at Conf. on the Application of Accelerations in Research and Industry, Denton, TX, Nov. 3-5, 1980. Co-authors: J. B. Donahue, P. A. M. Gram, M. E. Hamm, R. W. Hamm, K. B. Butterfield, D. A. Clar, C. A. Frost, & W. W. Smith. To be published.

Jack Burns

"On the Distribution of Radio Emission in the X-Ray Cluster of Galaxies Abell 401", Astronomical Journal, 85, 773 (July 1980)

"Radio Jets and Bridges in the Classical Double Sources 3C388 and 0816+516", Nature, 287, 308 (Sept. 1980)

"Radio Emission in the Direction of cD and Related Galaxies in Poor Clusters. II. 1400-MHz Pencil Beam Observations", Astron. J., 85, 191 (March 1980)

Colston Chandler

"A Two-Hilbert-Space Formulation of Multichannel Scattering Theory, in Mathematical Methods and Applications of Scattering Theory, Desanto et al., eds. (Sprinter, Berlin, 1980), pp. 134-148, with A.G. Gibson.

Weng Chow

V. E. Sanders, S. Madan, W. W. Chow and M. O. Scully, "Scat-note sensitivity in a Zeeman laser gyro: theory and experiment," Opt. Lett. 5, 99 (1980).

D. C. Grant, Jr., S. Madan, V. E. Sanders, D. Z. Anderson, W. W. Chow, and M. O. Scully, "Litton Ring Laser Gyro Update", Proc. National Aerospace and Electronics Conference (Institute of Electrical and Electronics Engineers, New York, 1980) p. 73.

W. W. Chow, J. B. Hambenne, T. J. Hutchings, V. Sanders, M. Sargent III and M. O. Scully, "Multioscillator Laser Gyros" IEEE JQE-16, 918 (1980).

D. Z. Anderson, W. W. Chow, M. O. Scully and V. E. Sanders "An Optically Biased Laser Gyro", Opt. Lett. 5 413 (1980).

David Clark

"Observation of Structure in the H^- Photodetachment Cross Section Below $n=6$," presented by D. A. Clark, paper H7, Bull. Amer. Phys. Soc. 25, 1137 (1980). Co-authors: H. C. Bryant, K. B. Butterfield, C. A. Frost, J. B. Donahue, P. A. M. Gram, H. E. Hamm, R. W. Hamm, W. W. Smith.

"Atomic Physics With Relativistic Beams," invited talk presented by H. C. Bryant at the 7th International Conference on Atomic Physics, Boston, Mass, August 1980 and to be published. Co-authors H. C. Bryant, K. B. Butterfield, C. A. Frost, J. B. Donahue, P. A. M. Gram, M. E. Hamm, R. W. Hamm, W. W. Smith.

"Photodetachment of Relativistic Ions," IEEE Transactions on Nuclear Science, to be published April 1981. Co-authors: J. B. Donahue, P. A. M. Gram, M. E. Hamm, R. W. Hamm, H. C. Bryant, K. B. Butterfield, C. A. Frost, W. W. Smith.

"Low-Energy Charged-Particle Fusion Reactions," IEEE Transactions on Nuclear Science, to be published April 1981. Co-Authors: R. A. Hardekopf, R. E. Brown, F. D. Correll, N. Jarmie.

"Two-Electron Photodetachment from the H^- Ion," presented by C. A. Frost, paper GJ9, Bull. Amer. Phys. Soc. 25, 565 (1980). Co-authors: C. A. Frost, H. C. Bryant, J. B. Donahue, P. A. M. Gram, M. E. Hamm, R. W. Hamm, W. W. Smith.

Byron Dieterle

"Search for Narrow $\bar{n}n$ States near Threshold," Physical Review Letters 44, 853 (80).

James Daniel Finley III

"Complex General Relativity, H and HH Spaces, A survey of one approach," C. P. Boyer, J. D. Finley, III, and J. F. Plebanski, in General Relativity and Gravitation, One Hundred Years after the Birth of Albert Einstein, Vol. 2, p. 241-281, A. Held (ed.) Plenum Press, NY, 1980.
Also several reviews written for Mathematical Reviews.

David King

"Theoretical Period Ratios for RR Lyrae Variables and AQ Leonis", Ap.J., 236, 219, 1980. Co-authors: A. N. Cox and S. W. Hodson
"Triple Mode Cepheid Masses", in Current Problems in Stellar Pulsation Instabilities, NASA Technical Memorandum 80625, May 1980, Eds. D. Fischel, J. R. Lesh and W. M. Sparks, p. 97. Co-authors: A. N. Cox and S. W. Hodson
"Pulsation of High Luminosity Helium Stars", in Lecture Notes in Physics #125, Nonradial and Nonlinear Stellar Pulsation, Ed: H. A. Hill and W. A. Dziembowski, publ. Springer-Verlag, p. 161. Co-authors: J. C. Wheeler, J. P. Cox, A. N. Cox, and S. W. Hodson.
"Linear and Nonlinear Studies of BL Herculis Variables", Ap.J., 244, 000, 1981. Co-Authors: A. N. Cox and S. W. Hodson.

Christopher Leavitt

"Search for Narrow $\pi\pi$ States near Threshold," Physical Review Letters 44, 853 (1980).

John Linsley

"Cosmic Rays," in 1980 Yearbook of Science and Technology (McGraw-Hill) pp. 133-134 (1980).
"Are Extensive Air Showers Produced by Relativistic Dust Grains?", Ap. J. 235, L167-169 (1980).
"Volcano Ranch EAS with Energy 10^{19} eV, Part I," In Catalogue of Highest Energy Cosmic Rays, ed. M. Wada (World Data Center C2 for Cosmic Rays, Institute of Physical and Chemical Research, Tokyo, Japan) No. 1, pp. 5-59 (1980).

"Very High Energy Cosmic Rays", in Proceedings of IUPAP/IAU Symposium No. 94, Origin of Cosmic Rays, to be published by D. Riedel, Dordrecht, 1980 (15pages)

"High Energy Cosmic Ray Composition", to be published in Proc. Conference on Cosmic Ray Astrophysics and Low Energy Gamma-Ray Astronomy, ed. C.J. Waddington (University of Minnesota, Minneapolis) (1980), with A.A. Watson.

Alan W. Peterson

"Photographs of the Zodiacal Light," Sky & Telescope, Nov. 1980, pp. 444-445.
"Abstract: The correlation of Moving Bands, Bright Nights, and other Luminous Phenomena with High Lunar Tides, H.O.S. 61, No. 46, Nov. 11, 1980.

Marlan O. Scully

- Frederic A. Hopf, Thomas G. Kuper, Gerald T. Moore, and Marlan O. Scully, "The Free-Electron Laser From A Laser-Physics Perspective", pp. 31-87 in *Free-Electron Generators of Coherent Radiation*, in Physics of Quantum Electronics, Vol. 7 (Addison-Wesley, Reading, Massachusetts, 1980).
- Pierre Meystre, Marlan O. Scully, and Herbert Walther, "Transient Line Narrowing: a Laser Spectroscopic Technique Yielding Resolution Beyond the Natural Line-width," *Opt. Comm.* 33, 153 (1980).
- Mark P. Haugan, Kurt Just, Marlan O. Scully, "A Proposed Optical Test of Preferred Frame Cosmologies," *Phys. Lett.* 77A, 88 (1980).
- Weng W. Chow, Shobna Madan, Virgil E. Sanders, and Marlan O. Scully, "Beat-Note Sensitivity in a Zeeman Laser Gyro: Theory and Experiment," *Opt. Lett.* 5, 99 (1980).
- Thomas G. Kuper, Gerald T. Moore, and Marlan O. Scully, "Dynamics of the Pulsed Free-Electron Laser," *Opt. Comm.* 34, 117 (1980).
- Hai-Woong Lee and Marlan O. Scully, "A New Approach to Molecular Collisions: Statistical Quasiclassical Method," *J. Chem. Phys.* 73, 2238 (1980).
- D. Rogovin and M. Scully, "Quantum Modeling of a Current-Driven Josephson Oscillator," *Phys. Rev.* 21B, 3868 (1980).
- Dana Z. Anderson, Weng W. Chow, Virgil E. Sanders, and Marlan O. Scully, "Optically Biased Laser Gyro," *Opt. Lett.* 5, 413 (1980).
- D. Rogovin, and M. Scully, "The Role of the Cooperation Number in Superconducting Systems," *Philosophical Mag. B*, 42, 171 (1980).
- Gerald T. Moore, and Marlan O. Scully, "Coherent Dynamics of a Free-Electron Laser with Arbitrary Magnet Geometry. I. General Formalism," *Phys. Rev.* A21, 2000 (1980).
- Rodolfo Bonifacio, Pierre Meystre, Gerald T. Moore, and Marlan O. Scully, "Coherent Dynamics of a Free-Electron Laser with Arbitrary Magnet Geometry. II. Conservation Laws, Small-Signal Theory, and Gain-Spread Relations," *Phys. Rev.* A21, 2009 (1980).

James Small

- R. R. Sholes and J. G. Small, "Fluorescent Decay Thermometer with Biological Applications," *Rev. Sci. Instruments* 51(7):882, Jul. 1980.
- S. F. Jacobs and James G. Small, "Liquid Level Interferometer", (in press, December 1980).

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Derek B. Swinson

"An East-West Effect in Cosmic Ray Conferences," (in part), D.B. Swinson, Printed in Cos News, No. 2, P. 2-3, Dec. 1979 (Published by Cosmic Ray Commission, I.U.P.A.P.

David W. Wolfe

Search for Narrow $\bar{N}N$ States near Threshold, Physical Review Letters 44, #13, 853 (1980)

Search for Structure in the Low Energy $\bar{p}p$ Annihilation Cross-Section, Proc. of the Vth European Conference on Antiproton Physics, Bressanne, Italy.

Search for Narrow $\bar{N}N$ States in $\bar{p}d$ Annihilation, *ibid.*

Michael Zeilik

"Pecked-Cross-Like Petroglyphs in New Mexico," Archaeoastronomy, vol. 3, No. 1, p. 21, 1980.

"Infrared Photometry of Albol, 1BVS #1787, 1980, with Baylis, L., and Heckert, P.

Astronomical Journal, vol. 85, p. 1242, 1980, with Bally, J., Balonek, T. J., and Cohen, N. L.

5. Other research projects or creative work in progress or completed during period

Harjit S. Ahluwalia

NSF Grant #ATM78-10727, \$48,100, "Cosmic Ray Anisotropy, Solar Magnetism, and Heliosphere," 36 months, 1979-81.

Southwest Resource Center for Science and Engineering, \$9,419, "Models of the Heliosphere," 12 months, 1980-81.

Three unsponsored research projects are in progress. Several publications have resulted from them.

Seymour S. Alpert

Laser light scattering from straight edge (two graduate students)

Proposal: An investigation into energy storage in meal-eating and nibbling rats. Funded by SURP/BRSG for \$2,500

Proposal: An innovative small animal calorimeter based on controlled air flow. Rejected by SURP/BRSG

Proposal: Equipment for advanced undergraduate optics laboratory (in process, to be submitted to NSF)

Design and implementation of advanced undergraduate optics laboratory
Design of a small animal calorimeter. A thermal gradient approach

Charles L. Beckel

HH-Minority Biomedical support; \$13,688; "Theoretical Study of Phosphate-Containing Biological Molecules;" August 20, 1979 to August 19, 1980 (inactive 1980)

Air Force Office of Scientific Research; \$52,460 (plus \$2,450 in computational services at KAFB); "Diatomic Molecule Properties in the Intermediate Energy to Dissociation Limit Range;" December 16, 1978 to February 15, 1980

Same sponsor and title as in above contract; \$59,610, February 16, 1980 to February 15, 1981

Howard C. Bryant

Department of Energy, DE-AS04-77ER03998, \$292,000, "Atomic Physics with Relativistic Beams," 1 June 77-31 May 1981
Department of Energy, DE-AS04-77CS33977, \$155,952, "Solar Pond Studies," 1 April 77 - 31 January 1981

Jack O. Burns

Sandia Labs (SURP) grant, \$20,000, "Astrophysical Investigation of Galaxies," October 80 - October 81
NASA grant, \$10,982, "Monetary Support for Einstein Observatory Projects," duration = 2 years beginning December 1, 1980
2 observing sessions at the Kitt Peak National Observatory
7 observing sessions at the National Radio Astronomy Observatory's VLA

Colston Chandler

Addendum: Spurious solutions to N-particle scattering equations (with I. H. Sloan), accepted by Nuclear Physics A.
Un-sponsored research in nuclear physics

Weng W. Chow

"Laser gyro theory extension," Wright Patterson AFB, \$99,265, 3/22/79-10/22/80
"Efficient coherent mm wavelength generators"
"Anomalous dispersion in XEF"

David Clark

Laser Initiated Time of Flight spectroscopy sponsored by LASL and DOE. Work in progress part of Low Energy Fusion Cross Section Measurements

Byron Dieterle

DOE Project, "Nuclear Studies at Intermediate Energies," \$230,000 for 1980 (\$1,000K total), 7 years
Pending publications in pion production (two), antiproton annihilation, and neutron scattering (1)
Preparation for LAMPF experiment, "Search for Dibaryon Resonances"
Studies in Gaseous Hydrogen Scintillation

James Daniel Finley III

Travel to Mexico City in June was sponsored financially by Fomento Educacional, A.S., Mexico City, and by the Depto de Fisica, Centro de IEA del Instituto Politecnico Nacional.
NSF Travel Grant was received for travel to Intl. Conf. on Gen. Rel. & Grav. in July
Travel to Max Planck Symposium was partially funded by the Max Planck Inst.

Christopher P. Leavitt

DOE sponsored "Nuclear Studies at Intermediate Energies," \$230,000 for 1980 (\$1,000,000 total), 7 years; pion production, antiproton annihilation, neutron scattering.
Sandia Corp. Energy loss spectrometry of atomic collisions--collaboration

Alan W. Peterson

Airglow Movies observations (UNM RAC grant \$1,038)
Atmospheric wave models for OH airglow analysis and interpretation
Analysis of an unusual lunar corona of April 1980
Taught Atmospheric Physics for the first time

R. Marcus Price

Work on a comprehensive study of radio emission from the central regions of galaxies

Work on structure and distribution of cosmic ray electrons in our own galaxy

Supervised project for building and siting of three site-testing telescopes in New Mexico

Marlan O. Scully

ONR, \$70,000, Nonlinear Studies of the Free-Electron Laser: Coherent Pulse Propagation and Optimization, July 1, 1980-June 30, 1981; AFOSR, \$124,777, Study of Molecular Collision Dynamics for Chemical Laser Systems, August 1, 1980-October 31, 1981; AFOSR, \$75,000, Aspects of High-Energy Laser Theory, September 1, 1980-August 31, 1981

James G. Small

Research in : Ring Lasers, Relativity, Small Animal Metabolism, Iodine Lasers, High Energy Microwave Devices

William Sweatt

Writing a chapter on diamond-tuned mirrors for a forthcoming SPIE publication
Writing research proposals

Derek B. Swinson

Grant awarded by NSF "Cosmic Ray Anisotropies in Interplanetary Space at High Rigidities," Derek B. Swinson, Principle Investigator; \$94,915, June 1, 1980-November 30, 1983

David W. Wolfe

Continuation of grant 281-281- , Nuclear Physics Studies at Medium Energy, December 1979-November 1980, for \$210,000, renewed 1 December 1980 for \$230,000, total to date on this grant as of 1 December 1980, \$1,100,000

Michael Zeilik

Continued infrared observations of binaries and RS CVn stars at Kitt Peak and infrared polarimetry of compact HII regions
Began project of infrared observations of the nuclei of galaxies (with R. M. Price)

Observing runs in January, February, March, August, and December

Continued RS CVn observing at Capilla and began projects of observing Wolf-Rayet eclipsing systems and R Corona Borealis

Made equipment modifications and repair at Capilla to adapt it to multi-user, multi-project uses

Received grant from the Research Corporation (\$6,750; open end date) for RS CVn observing at Capilla

Worked on manuscripts for Astronomy: The Evolving Universe (3rd ed., pub. date January 1982) and Astronomy: A Cosmic Perspective (1st ed., pub. date January 1982) with co-author J. Caustad.

6. Activities in learned and professional societies

Harjit S. Ahluwalia

Participated in 20th Annual ASME Symposium on Fusion Energy Production, held in Albuquerque, March 1980; 23rd COSPAR Plenary Meeting, held in Budapest 1980; IAU Symposium #94, held in Bologna, June 1980

Seymour S. Alpert

American Physical Society, American Association of Physics Teachers, Laser Institute of America, Nutrition Today Society

Charles L. Beckel

"Use of Rational Fractions for Representing Diatomic Molecule Vibrational Energy Levels and Potentials," Paper MM8 presented at the Eighth Symposium on Molecular Structure, Austin, TX, March 3, 1980.

"Vibrational Potential by Rational Fractions," Paper TB1 presented at the 35th Symposium on Molecular Spectroscopy, Columbus, OH, June 18, 1980.

Co-authors: R. B. Kwong and A. R. Hashemi-Attar.

"A New Functional Form for Representing Vibrational Eigenenergies of Diatomic Molecules: Application to the Br₂ State," Paper TB2, 35th Symposium on Molecular Spectroscopy, Columbus, OH, June 17, 1980. Co-authors: R. B. Kwong and A. R. Hashemi-Attar.

"On the Cause of RKR f-Integral Error near a Diatomic Molecule Dissociation Limit," Paper TB3, 35th Sym. on Mol. Spectrosc., Columbus, OH, June 17, 1980. Co-author: E. S. Hertel, Jr.

Howard C. Bryant

Invited Speaker, 7th International Conference on Atomic Physics, "Atomic Physics with Relativistic Beams," August 4-8, 1980, MIT, Cambridge, MA. Attended Washington meeting, APS, 27-30 April 1980.

Jack O. Burns

Presented 2 papers at American Astronomical Society Meeting in San Francisco in January 1980

Colston Chandler

A New Method of Approximation in Nuclear Reaction Theory (with A. G. Gibson), invited contribution to the 9th International Conference on the Few Body Problem (August 1980)

The Coulomb Problem. A Selective Review, invited review, Ninth International Conference on the Few Body Problem (August 1980), to be published in Nucl. Phys. A

Weng W. Chow

"Laser Gyros," invited paper 10th Winter Colloquium on Quantum Electronics, Utah, January 14-16, 1980

David Clark

Travel to 1) Boston, MA, 7th Int'l Conference on Atomic Physics, August 1980; 2) Annual Meeting of Div. of Electron and Atomic Physics, Los Angeles, CA, December 80

Byron Dieterle

Conference on Polarization Studies in Physics, Santa Fe. LAMPF Users Meeting, Los Alamos. LAMPF Conference on Future Directions in Accelerator Physics

James Daniel Finley III

Attendance at the meetings previously listed under travel; at the Ninth Int'l/ Conf. on Gen. Rel. and Grav. a paper was presented entitled "Killing Vectors in Expanding HH Spaces."

David S. King

Papers presented at Scientific Meetings.

The following three papers were presented at the 155th meeting of the American Astronomical Society held 13-18 January 1980 at San Francisco, CA

1. "Modal Behavior for RR Lyrae Variables", Co-authors: A. N. Cox and S. W. Hodson.
2. "Theoretical Period Ratios for RR Lyrae Variable AQ Leonis", Co-authors: A. N. Cox and S. W. Hodson.
3. "The Periods of BL Herculis Stars", Co-authors: A. N. Cox and S. W. Hodson.

The following four papers were presented at the International Astronomical Union Colloquium 58 held at Los Alamos Scientific Laboratory, Los Alamos, NM, 12-15 August 1980 and entitled Stellar Hydrodynamics.

1. "Full Amplitude Models of 15 day Cepheids", Co-authors: B. C. Cogan and A. N. Cox.
2. "R Coronae Borealis Pulsations", an invited review paper.
3. "Nonlinear Calculations of BL Herculis Stars", Co-authors: S. W. Hodson and A. N. Cox.
4. "Pulsation of the R. Coronae Borealis Stars", Co-authors: J. P. Cox, A. N. Cox, J. C. Wheeler, C. J. Hansen, and S. W. Hodson.

I also helped organize the above meeting and am co-editor of the proceedings to be published by Reidel press in Space Science Reviews.

Studies of Pollutant Transport: Modeling in collaboration with people at LASL resulted in two papers:

1. "Tracer Experiment Modeling--July 22, 1979 Geyser's Area", presented at Atmospheric Studies in Complex Terrain (ASCOT) program and planning meeting, April 15-18, 1980, Gettysburg, PA, LA-UR-80-1121. Co-authors: S. S. Bunker, J. P. Mutschlecner of LASL, and B. E. Freeman of Physical Dynamics, La Jolla, CA.
2. "Tracer Collection Predictions at Savannah River", presented at the Model Validation Workshop 19-21 Nov. 1980 at Hilton Head, SC, sponsored by the Dept of Energy. Co-authors: S. S. Bunker, J. P. Mutschlecner, and C. G. Davis of LASL and B. E. Freeman of Physical Dynamics, La Jolla, CA.

Alan W. Peterson

A.G.U. Fall Meeting, San Francisco, CA, December 8-12, 1980, paper presented "On the correlation of moving bands, bright nights, and other luminous phenomena with high lunar tides."

R. Marcus Price

Member of American Astronomical Society Committee on Manpower and Employment; Chairman of Local Organizing Committee for meeting of American Astronomical Society; member, Local Organizing Committee for International Astronomical Union Symposium #97 (to be held in Albuquerque in 1981); member of Board of Directors, Southwest Regional Conference for Astronomy and Astrophysics.

Marlan O. Scully

Chairman of IQEC (IEEE), Director at Large, O.S.A. Numerous papers at national and international meetings in Quantum Optical circles. For example, invited papers at: International Quantum Electronics Conference (Boston); Free Electron Laser Conference (Erice); Laser Spectroscopy Conference (Hawaii); Winter Symposium on Quantum Electronics (Utah); European Physical Society (Germany);

David W. Wolfe

Colloquium at SUNY, Albany, NY, March, 1980; High Energy Discussion Group meeting at Brookhaven National Laboratory, Upton, NY, May, 1980; Vth European Conference on Antiproton Physics, Bressanne, Italy, July 1980; Defended proposal at PSSC meeting at CERN, Geneva, Switzerland, In September 1980

Michael Zeilik

Member of American Astronomical Society Education Committee

Elected President of the Southwest Regional Conference on Astronomy and Astrophysics

On editorial board of The Astronomy Quarterly and The Journal of Instruction
Referee for the American Journal of Physics, the Astronomical Journal, and the Astrophysical Journal

"Infrared Photometry of Algol," paper presented at the 154th meeting of the AAS, San Francisco, January 1980

"Archaeoastronomy Sites in New Mexico," NASA Ames Astrophysics Colloquium, May 1980

"Infrared Polarimetry of Compact Infrared Sources," IAU Symposium #92, Hawaii, June 1980

"PSI Astronomy for Non-Science and Science Majors," Symposium on Astronomy Education for the 1980's, Ball State University, Muncie, IN, November 1980 (Invited paper)

7. Other Professional Activities

Harjit S. Ahluwalia

Referee for research proposals submitted to the Solar-Terrestrial Physics Section of NSF; In-charge of Departmental Colloquia and Seminars; Gave a slide-show talk on "Machhu-Pichhu," the Lost City of the Incas, to Exchange Club of Northwest on 25 June 1980 and to the Senior Citizens' Day Care Center of Asbury Methodist Church, on 28 November 1980

Seymour S. Alpert

Lecture: The Two-Reservoir Energy Model and Some Interesting Speculations, Noll Lab. of Human Performance, Penn. State Univ., March 18, 1980; lecture, same as above, University of Birmingham, England, June 4, 1980; lecture: Optimization of Two-Reservoir Model; Las Vegas, NM, December 4, 1980. This was colloquium.

Charles L. Beckel

Member Policy Advisory Board, Navajo Science and Math. Educ. Assessment Project; Physics Seminar, Memorial Univ. of Newfoundland, Canada, Sept. 26, 1980, "Vibrational Potentials and Energy Levels of H_2 and H_2^+ "; Chemical Physics Research Seminar, Univ. of Waterloo, Ont., Canada, November 12, 1980, "Mathematical Representation of Diatomic Potentials and Vibrational Energy Levels.

Howard C. Bryant

Consultant, Am. Rep., Guest Scientist, LASL; Joint Dept. of Physics-JILA colloquium, "Relativistic Beams," U. Of Colorado, Boulder; Sandia Colloquium: "Why the Sea is Boiling Hot: Salt Gradient Solar Ponds," October 15, 1980; Speaker at "Nonconvecting Pond Review." ISES Meeting, Phoenix, AZ, 2 June 1980; Reviewer for "The National Solar Pond Program Plan," attended meeting at MASEC,

Minneapolis, MN, 11-13 June 1980; invention disclosure filed with University Patents UNM158--The Colloidal Solar Pond (Bryant), 6/23/80; presented 2 talks at the Ganado Energy Forum, College of Ganado, AZ, "Inaccessible Energy" and "Solar Ponds," 10-12 April 1980; hosted two dozen visitors from all over the world who were visiting the UNM solar pond project.

Jack O. Burns

Radio and TV appearance on KOB-TV/radio in November to discuss Voyager I flyby of Saturn; preparations to host the American Astronomical Society Meeting in Albuquerque in January, 1981; lecture to the Albuquerque Amateur Astronomical Society

Colston Chandler

Seminar: New Approximations in Nuclear Reaction Theory, Argonne National Laboratories (April 24, 1980); referee: two manuscripts for Physical Review C

Weng W. Chow

Patents Reviewing Committee, Applied Optics; reviewer, Optics Letters; patent pending "circularly polarized magnetically dithered Laser Gyro."

James Daniel Finley III

Consultant on calculus-based physics texts for Prentice-Hall, Inc. Reviewer for Mathematical Reviews. Sent a group proposal to NSF, DOE, NASA. Sent another proposal to NSF. Gave a talk on Killing Vectors to Department of Physics, Centro de IEA del IPN.

McAllister H. Hull, Jr.

Governor's Energy Research Organization Task Force (9/16/80 -); "Remarks at Opening of Ayala Symposium," UNM, 10/23/80 (to be introductory note in book to be published in 1981; six articles written for Albuquerque Journal: "Why Go to College?", "If I Go to College, What Do I Take?", "The Underprepared College Student--Why?", "The Program in Basic Skills at UNM," "Lifelong Learning," "Research and Graduate Education"--January-March, 1980.

Lois Kieffaber

Edited 5 chapters of a new general physics textbook for Little, Brown and Company

David S. King

Served as consultant on problems in air pollution transport at Los Alamos Scientific Laboratory

Alan W. Peterson

Consulted with local law firm on an accident case involving sun interference with one driver; at Ames consulted with P. Sturrock of Stanford on interpretation of some UFO phenomena

R. Marcus Price

Talks to Sierra Club of Albuquerque; Boy Scouts; organized Department exhibit at State Fair (i.e., the UNM exhibit); colloquium at NMIMT--on Radio Emission from Galaxies; Harlow Shapley Lectureship at Texas A & I University; colloquium at Texas A & I; consultant to the National Radio Astronomy Observatory on future programs; colloquium given at LASL - Theory Group

James G. Small

Consultant to: Kirtland AFB, J.R. Frost Observatory

Derek B. Swinson

Consulted in accident reconstruction for attorneys in Albuquerque and Santa Fe; appeared in court as an expert witness in this area; gave lecture "A Funny Thing Happened on the Way to New Mexico" as part of UNM Lecture Under the Stars series; wrote material for Albuquerque Press Club's Gridiron 1980 show, and appeared in the show

Michael Zeilik

Director of an Intensive Summer Workshop in Astronomy (sponsored by NSF, \$13,125); member of AURA Committee to Review the Use of the Cloudcroft, NM, 48" telescope; "Star Death" and "Star Birth," Peru State College, Peru, NE, February, 1980; "Star Birth" and "Black Holes," University of Texas, Arlington, March 1980; "Star Birth," Princeton Club of California, May 1980; "Archaeo-astronomy in New Mexico," Albuquerque Amateur Astronomers, September 1980; "Space Colonies" and "Archaeoastronomy in New Mexico," Queensborough Community College, Bayside, NY, November 1980; "Voyager Flyby of Saturn," KGGM-TV, Albuquerque, November 1980

8. Non-Teaching University Service

Harjit S. Ahluwalia

Member of: UNM Science Colloquium Committee; UNM-Sandia Colloquium Committee; UNM Research Policy Committee; Chairman of ad hoc Committee of RPC on Sabbatical Pay Policy; member of Overhead Review Committee of RPC; Departmental Committee: on Public Relations and Graduate Committee; Chairperson of Faculty Search Committee and 6 student study committees; member of 4 other student study committees; M.S. Thesis Committee for J.D. Beason (the thesis was successfully defended, submitted and approved in December 1980); PhD. Dissertation Committees for J.F. Riker and A.G. Finci as well as J.F. Riker Committee for M.S., passed on 14 May 1980)

Seymour S. Alpert

Participant, UNM Parents' Day, October 1980; member UNM Faculty Senate, UNM Budget Review Committee; Department of Physics and Astronomy Public Relations Committee; participant, Physics Show, State Fair, 1980; interviewer, Minority Fellowship Program, NM Highlands University, Las Vegas, December 1980

Charles L. Beckel

Member, Academic Unit Review Subcommittee, to March, 1980; Physics and Astronomy Public Relations Committee

Howard C. Bryant

Chair, P&A Public Relations Committee; P&A Advisory Committee; University BRSG/SURP Committee; Parents Day; High School Day; State Fair Booth; guest lecturer, Vahe Guzelimian's Photography Class, New Art Building, 1 February 1980.

Jack O. Burns

Computer Center Graphics Committee; Computer Committee; organizer of P&A Journal Club; Chairman and member of several committees of studies for graduate students

Colston Chandler

AF&T Committee, spring 1980; A&S Promotions Committee, fall 1980; Departmental committees (Graduate, Advisory, Equipment Bond Money, Faculty Search)

Weng W. Chow

Public Relations Committee, Physics Department

Byron Dieterle

Departmental committees: Public Relations, Laboratory Committee, Accelerator Curriculum Committee, Computer Committee, Graduate Advisory Committees, Faculty Search Committee

James Daniel Finley III

Member A&S Graduate Committee; A&S Tenure Decision Committee (Spring only); Search Committee for Graduate Dean; Faculty Senate Graduate Committee; Chairmen Department Graduate Committee, Faculty Senate Graduate Committee (Fall only); also Department Library Liaison; faculty advisor for graduate students

Lois Kieffaber

Conducted two six-hour physics review sessions for students taking the MCAT

David S. King

Served on P&A Departmental Graduate Committee, Undergraduate Committee, and Public Relations Committee

Christopher P. Leavitt

Departmental Committees: Graduate Committee, Computer Committee, Los Alamos Liaison for graduate students

Alan W. Peterson

Recruited and trained projectionists for AAS meeting in Albuquerque, January 1981

R. Marcus Price

Chair, ad hoc committee for an optics program at UNM, Chairman of Department

Marlan O. Scully

Director - 1 month

James G. Small

Associate Director, Institute for Modern Optics

William Sweatt

Working on curriculum for optics institute

Derek B. Swinson

Chairman of Search Committee for New Faculty Appointed Spring 1980; helped prepare and design UNM Physics Department exhibit at NM State Fair; spoke to UNM Alumni Association in Hobbs, NM, at request of UNM Regent Ann Jourdan

David W. Wolfe

Chairman, Department Undergraduate Committee; member Draft Graduate Committee and ad hoc Space Committee; participated in phone campaign for high school seniors and also minority recruiting program for graduate students (trip to UTEP)

Michael Zeilik

Member of Provost's Committee on Faculty Development

9. Public Service

Harjit S. Ahluwalia

Participated in Departmental activities on: Faculty Research Review, 21 August 1980; Parents' Day, 18 October 1980; lectured to students attending Science Symposium 21 April 1980, on Cosmic Rays; contributed questions to Qualifying Exam, and graded answer sheets

Seymour S. Alpert

Fellowship of the Desert, Sec'y of the Corpin (a religious-oriented society); participant, wine show, State Fair, 1980

Howard C. Bryant

Taught Sunday School during spring 1980, First Unitarian Church ("Road to Man"); blood donor, United Blood Services

Charles L. Beckel

National Kidney Foundation of NM: Member of Executive Committee, Delegate Trustee; Chairman of Research Committee, Co-chairman of Fund Raising; to May 1980

Jack O. Burns

Preparation and monitoring of Physics and Astronomy Exhibit at 1980 State Fair

James Daniel Finley III

President, New Mexico Cactus & Succulent Society; judge at NM State Fair

Lois Kieffaber

Pianist, Sunday School Teacher, Albuquerque Friends Church

Christopher P. Leavitt

N.M. Society for Autistic Childres

Alan W. Peterson

Manned Physics Department State Fair Exhibit one afternoon and evening; assisted with State Fair wine judging; public nights at Camput Observatory; answered telephone astronomical queries

R. Marcus Price

Active in the organization of a new Boy Scout Explorer Post, on committee for the post

James G. Small

Science lectures to Moriarity High School and Upper Elementary School

William Sweatt

Ski Patrol and Mountain Rescue (AMRC) volunteer

Derek B. Swinson

Soccer coach, AYSO; taught music class for Monte Vista Elementary School (4th grade); presented music programs to: St. Andrew's Society (Burns night); the UNM Faculty Club; Irish American Society; Brothers of the Good Shepherd; St. Timothy's Lutheran Church; Albuquerque Academy; Hobbs UNM Alumni Association; University of Albuquerque Centenary Celebrations; Albuquerque Kiwanis Club; Albuquerque Press Club; St. Andrew's Society (St. Andrew Day); UNM Friends of the Library and the Carlisle Community Association

THE REPORT OF THE DEPARTMENT OF POLITICAL SCIENCE

July 1, 1980 - June 30, 1981

Robert J. Sickels, Chairman

I. General Departmental Information

A. Significant Achievements. Continuing individual productivity.

B. Significant Plans and Recommendations. Development of a plan for an M.A. in Social Science.

C. Appointments. William J. Chaloupka, Visiting Assistant Professor, August 18, 1980; James A. Morris, Visiting Lecturer III, January 1, 1981; Debra C. Rosenthal, January 1, 1981.

D. Separations. William J. Chaloupka, Visiting Assistant Professor, May 16, 1981; James A. Morris, Visiting Lecturer III, May 16, 1981; Ivory T. Robinson, Assistant Professor, May 16, 1981.

E. Sponsored Research or Other Projects.

a. Number and percent of faculty submitting proposals to outside agencies: Six (35 percent).

b. Number and percent of faculty obtaining awards from outside agencies: Four (24 percent).

II. Information from Biographical Supplements

1. Advanced Study: William J. Chaloupka, Ph.D., Department of Political Science, University of Hawaii, Honolulu, HI, May, 1980; Martha H. Good, European University Institute, Summer Schools on Comparative European Politics for University Professors, Fiesole (Florence) Italy, June-July; Fred R. Harris, three hours of advanced Spanish with particular tutor, UNM; 4 weeks intensive Spanish study, Cuahunahuac Instituto de Lengua y Cultura, Cuernavaca, Mexico.

2. Leave, Travel, etc. Timothy J. De Young, interdisciplinary teaching team member and Faculty Advisor, UNM Experimental Student Census Interim Program (10/79-6/80); Martha H. Good, research in Italy (summer), travel in Germany, France and short visit to London; Fred R. Harris, Guest Lecturer, Ecole Nationale d'Administration, Paris; Ministry of Foreign Affairs Institute, Stockholm; Seminar for Journalists, The Hague; Universidad Nacional Autonomo de Mexico; Colegio de Mexico; Peter A. Lupsha, on leave full academic year 1979 till August 1980; Martin C. Needler, travel, January, El Salvador, Nicaragua, Honduras, Costa Rica, Panama, June-July China, Philippines, Hong Kong, Macao, Taiwan; James L. Ray, traveled in West Germany, Sweden, and Denmark during July, 1980; Karen L. Remmer, sabbatical leave, Autumn, 1980; Ivory T. Robinson, on leave 1980-81; Jay B. Sorenson, domestic professional travel: Washington, D.C.; San Francisco, CA; Denver, CO.

3. Scholastic Honors, Fellowships, etc. Timothy J. De Young, joint appointment to Division of Public Administration as Assistant Professor, (Fall, 1980); Martha H. Good, Research Allocations Committee grant for research and study in Italy; scholarship grant for German Studies Summer Course at University of Bonn awarded by DAAD (German Academic Exchange), award declined; Karen L. Remmer, A & S Summer Research Stipend, summer 1980; Ivory T. Robinson, NRC Fellowship, 1980-1981.

4. Publications.

a. Timothy J. De Young, Assistant Professor

- Approaches to City Council Effectiveness Training, to be published as a monograph by the National League of Cities, Washington, D.C. (1981) - co-authored with William J. Siembieda.
- "Searching for the Milagro Beanfield: The Politics of Water in New Mexico," submitted for publication to Public Service (11/10/80).

b. Martha H. Good, Assistant Professor

--"The Italian Communist Party and Local Government Coalitions," Studies in Comparative Communism, Vol. XIII, Nos. 2 & 3 (Summer, Autumn 1980), 197-219.

c. Paul L. Hain, Associate Professor

--"Private Administration of a Public Function: The News Election Service," International Journal of Public Administration 224 (Winter, 1980) pp. 389-409 (co-author James Brown).

d. Fred R. Harris, Professor

--America's Democracy; the Ideal and the Reality (Scott, Foresman, 1980); "Native Americans and Tribal Government in New Mexico," with LaDonna Harris, in New Mexico Government, F. Chris Garcia and Paul Hain, eds. (University of New Mexico Press, 1980).

e. Peter A. Lupsha, Associate Professor

--"The New Mexico Legislature 1980," Impact Magazine Jan. 15, 1980, pp 1-12.
 --"Steps Toward a Strategic Analysis of Organized Crime," in The Police Chief, May 1980, pp 36-39.
 --"The Political Economy of Drug Trafficking: The Herrera Organization (Mexico and the United States)" Latin American Institute Working Papers, Nov. 1980, pp 1-25.

f. Martin C. Needler, Professor

--"Sounding the Retreat: Military Withdrawal from Power in South America," Armed Forces & Society, Vol. 6, No. 4, Summer, 1980.
 --"South Africa: Paradise is Closing Down," (with Jan Black), Worldview, October 1980.
 --"The Political Context of Mexico's Policies on Mineral Extraction," American Institute of Mining Engineers, Proceedings, February 1980.
 --Book Review in Hispanic American Historical Review, August 1980.

g. James L. Ray, Associate Professor

--"The Measurement of System Structure," in The Correlates of War II: Testing Some Realpolitic Models, edited by J. David Singer, New York: Free Press, 1980, pp 36-54.

h. Karen L. Remmer, Associate Professor

- "Political Demobilization in Chile, 1973-1978; Comparative Politics, XII (April 1980) pp 273-301.
- "Public Policy and Regime Consolidation: The First Five Years of the Chilean Junta," Journal of the Developing Areas, XIII, No. 4, pp 441-461 (published in 1980).

i. Philip G. Roeder, Assistant Professor

- Review of "Soviet Strategy for Nuclear War" in Journal of Politics (November, 1980).

j. Robert J. Sickels, Professor, Chairman

- The Presidency, Englewood Cliffs, New Jersey, Prentice-Hall, Inc., 1980.

k. Jay B. Sorenson, Professor

- Preliminary Indicators of the Public Acceptance of Risk; prepared for Special Projects Division, Sandia National Laboratories, 06-7480, May, 1979. Revised Aug. 1980.
- "The Political Side of Risk: A New Approach," J. B. Sorenson and C. A. Trauth, Sandia National Laboratories, SAND 80-1871C UC41, August 1980.
- The Future of Nuclear Energy in New Mexico, Glenn Whan, et al. (was one of the co-authors).

5. Other Research in Progress

a. William J. Chaloupka, Visting Assistant Professor

- "Politics After Technology: A Critical Review of the Political Theory of Environmental Concerns in the United States, with Comments on an Aesthetics of Politics," Dissertation.
- "On 'Glad to the Brink of Fear' and Other Unexpected Sentiments: Aesthetics, Ecology, and Politics in John Dewey's Social Philosophy," (article in progress).

b. Timothy J. De Young, Assistant Professor

- Completed: Research Associate and Consultant, National League of Cities, Council Policy Leadership Program, Albuquerque, NM, (April-July 1980).
- In Progress: "Despite the Odds-The Anatomy of a Successful Write-in Campaign," co-authored article with F. Chris Garcia.
- In Progress: "Water Districts in the West - A Comparison of Water Management Political Institutions in Ten Western States," proposed research.

c. F. Chris Garcia, Dean, College of Arts and Sciences
Professor, Political Science

- Continued work on book manuscript: U.S. Politics and Education.
- Prepared second edition of book: New Mexico Government.
- Completed 3 articles: (1) "Continuation of a Long Journey: Mexican Americans in U.S. Politics, 1965-80;" (2) The "Organization Base of Hispanic Politics;" and (3) "The Future of Hispanic Americans in the U.S."

d. Martha H. Good, Assistant Professor

- Book review (shorter notice) of Barton L. Ingraham, Political Crime in Europe: A Comparative Study of France, Germany and England, for Journal of Politics (forthcoming).

e. Paul L. Hain, Associate Professor

- Revisions to New Mexico Government (UNM Press-co-editor) forthcoming.
- Revisions (senior author) to two chapters and (co-author) conclusions of New Mexico Government (UNM Press) rev. edition forthcoming 1981.
- Work on book length legislative process manuscript (co-author).

f. Fred R. Harris, Professor

- America's Legislative Process: Congress and the States, with Paul Hain (Scott, Foresman).

g. Peter A. Lupsha, Associate Professor

- Research and writing on book manuscript - Organized Crime in America.

h. Martin C. Needler, Professor

- Politics in Mexico (working title; book) in progress, to be published by Hoover Institution.
- "Mexico," article, completed, for Yearbook on International Communist Affairs.
- "The Influence of the United States in Mexico," (chapter, in progress, for book).

i. James L. Ray, Associate Professor

- "Dependence, Political Compliance, and Economic Performance in Latin America and Eastern Europe," Sage International Yearbook of Foreign Policy Studies, v. 6 (forthcoming 1981).

i. James L. Ray, Associate Professor (continued)

- "World-System Role and Political Instability in Latin America," a grant proposal to be submitted to the National Science Foundation.
- "The World-System and the Global Political System: A Crucial Relationship?" Sage International Yearbook of Foreign Policy Studies, v. 7 (proposal accepted - a paper on the same topic will be presented to the 1981 Annual Convention of the International Studies Association.)

j. Karen L. Remmer, Associate Professor

- Completion of manuscript "Bureaucratic-Authoritarianism Revisited" (with Gilbert W. Merkx) - submitted for publication.
- Research on post-1973 Chile
- Research on political elites, Chile and Argentina
- Book review of Supermadre: Women in Politics in Latin America (forthcoming), Journal of Politics.

k. Ivory T. Robinson, Assistant Professor

- Essay: "The Role of Religion in Locke's Political Theory"
- Book: The Idea of Money in the History of Political Philosophy.

l. Phil Roeder, Assistant Professor

- "Risk and Progressive Candidacies: An Extension of Rohde's Model," American Journal of Political Science (forthcoming: February, 1981).
- "Rational Revolution: Extensions of the 'By-Product' Model of Revolutionary Involvement," submitted to Western Political Quarterly: revised and resubmitted.
- Peasant Revolt (Book manuscript, revised).

m. Jay B. Sorenson, Professor

- "The Gasoline Crunch of 1979: A New Mexico Profile," report completed for Energy Consumers of New Mexico with funds granted by the Four Corners Regional Commission, January, 1980.
- "Analysis of the Issue Presentation by the State Engineer," J. B. Sorenson and S. Vandevender, in State Policies and Requirements for Management of Uranium Mining and Milling in New Mexico.
- Water Availability in the San Juan Structural Basin, Sharia G. Vandevender, SAND 78-1331, Unlimited Release, UC-51, Printed April 1980, Sandia National Laboratories.
- Work in progress: "Constraints on Synfuel, Oil and Gas Development," Analysis Center Project, The Wharton School of the University of Pennsylvania, Nov. 1980.

m. Jay B. Sorenson, Professor (continued)

- "Toxic Pollutants and the New Mexico Water Quality Control Commission," research article to be presented for publication in 1981.
- Revising "Indicators of the Public Acceptance of Risk" study for publication as a monograph.

n. Harry Stumpf, Professor

- In progress: Text, American Judicial Politics.

6. Activities in Professional Societies

a. William J. Chaloupka, Visiting Assistant Professor

- Address to the Faculty Colloquia of the Presidential Scholars Program, "The Meaning of the 1980 Elections: Realignment in American Politics, November, 1980.

b. Timothy J. De Young, Assistant Professor

- "Searching for the Milagro Beanfield: Fact and Fiction in New Mexico's Water Development," paper presented at the Western Social Science Association Annual Convention, Albuquerque, NM, April 1980.
- Member, New Mexico Chapter of the American Society for Public Administration.

c. F. Chris Garcia, Dean, College of Arts and Sciences; Professor, Political Science

- Panel Chair, "Chicano Politics: Assessing Developments and Identifying Future Political Patterns," Western Political Science Association Convention, March 27-29, San Francisco, CA
- Moderator and Discussant, Panel on "New Mexico Politics," Western Social Science Association Convention, April 24-26, Albuquerque, NM
- Local Arrangements Coordinator, Annual Meeting of Western Social Science Association, April 24-26.
- Panel Discussant, "Hispanic Politics: Mobilization and Participation," American Political Science Association, August 28-31, Washington, D.C.
- Attended annual meeting of Council of College of Arts and Sciences, November 5-7, New Orleans.

d. Martha H. Good, Assistant Professor

- Organized and chaired panel "The Welfare State in Retreat?" at Western Political Science Association Convention, March 1980.

d. Martha H. Good, Assistant Professor (continued)

- Served as discussant on panel "The Development of the Welfare State" at Second Conference of Europeanists, October 1980.
- Served as discussant on panel "Participation and Public Policy in Western Nations," at Midwest Political Science Association Convention, April.
- Read paper "The Welfare State as an Electoral Issue," at Western Political Science Convention, March.

e. Paul L. Hain, Associate Professor

- Convenor, New Mexico Politics Panel at the 1980 Annual Meeting of the Western Social Science Association.

f. Fred R. Harris, Professor

- Panel Discussant, "Mexico in Crisis," Latin American Institute, UNM, 1980.
- Discussant, "Voting and Congressional Elections," Western Political Science Association, 1980
- Paper, "The Results of Reform in Presidential Nominations," Midwest Political Science Association, 1980.
- Address, "Contemporary Democratic Theory," Annual Meeting of the Colorado-Wyoming Political Science Association, 1980.

g. Peter A. Lupsha, Associate Professor

- Paper, "Changing Panoramas in U.S. Narcotics Policy Towards Latin America," Western Social Science Association Meetings, April 25-28, Albuquerque, NM.
- Paper, "The Political Economy of Drug Trafficking: Mexico & Columbia in Comparative Perspective," Latin American Studies Association Meeting, Bloomington, Indiana, Oct. 16-20, 1980.
- Western Political Science Association, San Francisco, CA, March 27-29, Member of Executive Council.

h. Martin C. Needler, Professor

- Served on panels at meetings of Southwestern Social Science Association, March.
- Rocky Mountain Council on Latin American Studies, April.
- Latin American Studies Association, October.
- Guest Speaker at St. Louis area Latin Americanist Society, October.

i. James L. Ray, Associate Professor

- "Economic Dependency and Domestic Political Instability in Latin America," presented at the 1980 Convention of the International Studies Association, Los Angeles, CA.

i. James L. Ray, Associate Professor (continued)

- Participant, Conference on Large Scale Global Modeling, Berlin, West Germany, July, 1980.
- Discussant, Panel on "Analysis of Issues in Dependency Theory," August 1980 Convention of the American Political Science Association, Washington, D.C.
- Referee: Comparative Political Studies; International Studies Quarterly; Journal of Conflict Resolution; and Journal of Politics.

j. Karen L. Remmer, Associate Professor

- Co-president, Rocky Mountain Council on Latin American Studies (1979-80).
- Executive Council Member, Rocky Mountain Council on Latin American Studies (1980-81).
- Organizer, Annual Meeting, Rocky Mountain Council on Latin American Studies, April 1980.

k. Philip G. Roeder, Assistant Professor

- "Catharsis or Choice?" Paper presented at the 1980 Annual Meeting of Western Political Science Association.

l. Jay B. Sorenson, Professor

- "The Political Side of Risk: A New Approach," presented as a paper at the 1980 Annual Meeting of the American Political Science Association, the Washington Hilton Motel, August 28-31, 1980.
- "Environmental, Safety, and Health Risks Associated with Energy Technologies and Indicators of Public Concern: Beyond Risk Analysis," paper presented at the Western Political Science Association Meeting, San Francisco, CA, March 27-29, 1980
- Panel Member: "Underground Disposal of Radioactive Material: Where are We Now?," National Association for Environmental Education, Ninth Annual Conference, Albuquerque, NM, May 23-27, 1980.
- Opening Presentation Speaker, "The Environment Challenge for New Mexico in the 1980's: The Politics of Water in New Mexico, New Mexico Association for Environmental Education, Cloudcroft, New Mexico, October 17, 1980.
- Panel Member: "Environmental Health: Challenge of the 1980's" Annual Fall Meeting, The New Mexico School Health Association, September 20, 1980, Albuquerque, NM.

m. Harry P. Stumpf, Professor

- Chair, "Legal Activity as Political Participation," panel at the American Political Science Association Meeting, Washington, August 1980.

7. Other Professional Activities

a. William J. Chaloupka, Visiting Assistant Professor

--Film Review Column (twice monthly) in "Century:
A Southwest Journal of Observation and Opinion."

b. Timothy J. De Young, Assistant Professor

--Consultancies: Associate, Zia Research, Albuquerque, NM (1980 Primary and General Election); New Mexico State Analyst, ABC News Political Unit, New York City, NY (1980 General Election); Reviewer, Scott, Foresman and Company, Glenview, IL (12/80-)
--Off-campus talks: "Lifestyles for the 1980's," New Mexico Municipal League Annual Conference, Farmington, NM (August 1980); "What is the Citizens Party?," New Mexico Young Republicans, Bernalillo Chapter, (October 1980).
--Appearances: Interview, KGGM-TV (July 1980); Interview, KOB-Radio (October 1980); Zia Poll Presentation, KOAT-TV (June and November 1980).

c. F. Chris García, Dean, College of Arts and Sciences; Professor, Political Science

--Consultant on Political Science for National Teachers Examination in the Social Studies, Educational Testing Service.
--Talks to: (1) Albuquerque Kiwanis Club, 10/22; (2) Class at Sandia Prep Academy, 11/13 and 12/10; (3) Central Methodist Public Affairs Study Group, 9/6; (3) Old Town Optimists Club, 10/1; (4) New Mexico Chapter of Public Relations Society of America, 9/18; (5) West Mesa High School class, 3/19; (6) UNM Alumni Association, 11/25; (7) Radio Program (1/2 hour) KRKE, 10/31.

d. Martha H. Good, Assistant Professor

--Lecture "An Introduction to Italy" for Albuquerque Friendship Force, May
--Appeared as panelist on video-tape program "Global Management" sponsored by United Nations Association and other civic organizations.
--Lecture on US Presidential election at Global American Society, Saarbrücken West Germany, June.

e. Paul L. Hain, Associate Professor

--Radio and TV interview concerning elections and state government on various stations.
--Consultant to News Election Service and to KOAT-TV.
--Lecture on polling to student staff of Manzano High School "Monarch" (student newspaper).
--One hour lecture on NM Government to the Junior League's "Story of Albuquerque."

f. Peter A. Lupsha, Associate Professor

- Lecture: Organized Crime Evolving - Host
Rotary Club Four Seasons, Albuquerque, NM 7/80.
- Member: Albuquerque Foreign Relations Committee.
- KNME TV: Talk Show on Albuquerque, Albuquerque Today.
- Consultant: Governor's Organized Crime Prevention Commission.

g. Martin C. Needler, Professor

- Presented paper "Latin American Oil and the U. S. Energy Crisis" at the Hendricks Symposium, University of Nebraska, March.
- Served as consultant for Smithsonian Institution, Hoover Institution, NEH, NSF, University of Rochester Conflict Forecasting Project, Foreign Area Studies Division of American University, Cornell University Press, Border Research Program.

h. James L. Ray, Associate Professor

- Guest Scientist International Institute for Comparative Social Research, Wissenschaftszentrum Berlin, Berlin, West Germany, Summer, 1980.
- Participant, Conference on "Future Alliance Possibilities," sponsored by Pacific-Sierra Research Corporation, Santa Fe, NM, October, 1980.
- Several brief appearances and interviews on local radio and television to discuss current developments in Middle Eastern and international politics.

i. Karen L. Remmer, Associate Professor

- "Women and Discrimination: An International Problem," March 5, 1980 (KUNM radio).
- Workshop on Six Years of Military Rule in Chile, Latin American Program, Woodrow Wilson Center for Scholars, Washington, D.C., May 15-17, 1980.
- "Problems and Prospects in Chile," paper presented at New Mexico Consortium for Latin American Studies, March 8, 1980.

j. Jay B. Sorenson, Professor

- Consultant, Analysis Center, The Wharton School of the University of Pennsylvania, 1980.
- TV Appearance, November 27, 1980, Environmentalist reaction to Presidential Election § Secretary of Interior.
- Air Quality Committee.
- American Lung Society of New Mexico.
- New Mexico Water Quality Control Commission - Member-at-Large.

k. Harry P. Stumpf, Professor

--Participant, APSA-NEH Ethical Issues Seminar, "Authority and Citizenship," April and August, 1980, New York and Washington.

8. Non-teaching University Services

a. Timothy J. De Young, Assistant Professor

--Member, Public Administration Advisory Committee, (Fall 1980-).
 --Member, Search Committee for Director of the Division of Public Administration.
 --Faculty Advisor, Students for the Citizens Party, (6/80 -).
 --Volunteer, UNM United Way Fund Drive, (Fall 1980).

b. F. Chris Garcia, Dean, College of Arts and Sciences;
 Professor, Political Science

--Dean, College of Arts and Sciences.
 --Office of School Relations Recruitment Calling Campaign.
 --Presidential Scholars Colloquium 3/1.
 --Afro-American Student Advisory.
 --Presidential Scholars Colloquium 4/30.
 --Co-Chairman, Committee on Living/Learning Environment.
 --Summer Orientation Program.
 --Chair, Search Committee, Academic Director, Afro-American Studies.
 --Outstanding Teacher of the Year Committee.
 --Presidential Scholars Committee

c. Martha H. Good, Assistant Professor

--Faculty Senate beginning fall semester.
 --Executive Committee of European Studies Committee.
 --International Affairs Committee representative.

d. Paul L. Hain, Associate Professor

--Member, Political Science Department Executive Committee.
 --Member, A & S Tenure Review Committee.
 --Advisor, graduate and undergraduate students (not "Department advisor")

e. Fred R. Harris, Professor

--Undergraduate Committee, Political Science Dept., UNM.
 --Member, Faculty Concilium and its Committee on Mexico Exchanges, Latin American Institute, UNM.
 --Member, Policy Committee and Director Search Committee, Southwest Hispanic Research Institute, UNM.
 --Member, Honorary Degrees Committee, UNM.

f. Peter A. Lupsha, Associate Professor

- Member Faculty Advisory Group Institute for Applied Research Services.
- Member, Faculty Research Policy Committee.

g. Martin C. Needler, Professor

- Latin American Institute: director search committee, budget committee, policy committee.
- A & S: social sciences promotion committee, dean's advisory committee on Latin American Studies, Interdisciplinary Committee on Latin American Studies.
- 11 MA & 2 Ph.D committees.
- Campus Planning Committee.

h. James L. Ray, Associate Professor

- Faculty Senate Curriculum Committee.
- Arts and Sciences Graduate Committee.
- Computer Use Committee.
- Director, Graduate Studies.

i. Karen L. Remmer, Associate Professor

- Assistant Director, Div. of Inter-American Affairs, Spring 1980.
- Interdisciplinary Committee on Latin American Studies, 1980.
- Tinker Foundation Fellowship Screening Committee, Spring 1980.
- Political Science Dept. Executive Committee, Spring 1980.

j. Philip G. Roeder, Assistant Professor

- Political Science Undergraduate Committee Chair.
- Russian Studies Committee.
- Faculty sponsor, UNM students for Kennedy, Arab Students Club.
- Speaker, College Enrichment Program.

k. Robert J. Sickels, Professor, Chairman

- University Budget Committee; Senate (5/80).
- Harry S. Truman Scholarship Faculty Representative.

l. Jay B. Sorenson, Professor

- A & S Human Research Review Committee.
- Committee for Educational Exchanges with the People's Republic of China.
- Asian Studies Committee (formal member).
- Advisory committee on Energy, Public Administration (formal member).

9. Public Servicea. Timothy J. De Young, Assistant Professor

--Member, State Steering Committee of the New Mexico Citizens' Party, (1980-2).

b. Martha H. Good, Assistant Professor

--Silver Hill Association, member of Board of Directors.

c. Paul L. Hain, Associate Professor

--Chairman, Albuquerque International Airport Advisory Committee (mayoral appointee).

d. Peter A. Lupsha, Associate Professor

--Member, Executive Board, New Mexico Council on Crime and Delinquency.

e. Martin C. Needler, Professor

--Coach, Youth Soccer.

f. James L. Ray, Associate Professor

--Panel on the Middle East as an election issue, sponsored by the New Mexico Humanities Council, October, 1980.

--Video-taped discussion of "Global Management" sponsored by the United Nations Association (et al.).

--Speech on Iran-Iraq war to the Rotary Club in Bernalillo, December 1980.

g. Philip G. Roeder, Assistant Professor

--Speaker, UNM Speakers Bureau.

h. Robert J. Sickels, Professor, Chairman

--Legislative liaison for Common Cause.

i. Jay B. Sorenson, Professor

--Albuquerque, Open Spaces Task Forces.

--New Mexico Water Quality Control Commission, Member-at-Large.

--Sierra Club, Rio Grande Chapter.

--Public Service, Executive Committee Member.

--Albuquerque Committee on Foreign Relations.

--Air Quality Committee.

--American Lung Society of New Mexico.

The Report of the Department of Psychology
July 1, 1980 - June 30, 1981
Henry C. Ellis, Chairman

Introduction and Summary. This was again a productive and successful year for the department of psychology. No major changes were made in our undergraduate and graduate programs; the undergraduate program was reviewed extensively this year. The department continues with the four basic areas of clinical, learning-memory-cognition, psychobiology, and developmental. The department continues its strong honors program. The department continues its effort to recruit women and minority graduate students. Despite a large number of undergraduate majors, advising continues to be very effective. We did not have an exchange with Hawaii this year but will continue the UNM-Hawaii faculty exchange program. We continued to emphasize the strong research orientation of the department which has enabled us to achieve national/international recognition and prominence.

Critical needs of the department continue to be additional space, a departmental clinic, substantial increase in TA support, enhanced staff-secretarial support in view of our extensive use of soft money, and better support for travel. A departmental building committee will begin meetings with the university architect in the fall of 1981 to discuss plans for a new departmental clinic in accordance with guidelines noted by the department, Provost and Dean. We lost one replacement position this year but anticipate that it will be filled next year. Our strong effort to obtain additional TA and secretarial support will continue.

Major efforts include an assessment of departmental goals and objectives over the next five years. A committee is preparing a set of goals and objectives for the department which will be presented to the

department for approval in the fall of 1981. The committee is focusing on major topics such as area priorities, faculty staffing needs, recruitment of graduate students, placement of graduate students, and other high priority issues.

I. General Department Information

A. Undergraduate Education. At the undergraduate level, the department handled a total enrollment of 3,291 students in introductory lectures (of whom 918 participated in the optional additional laboratory hour), and 2,772 in advanced courses (of whom 60 participated in the advanced laboratory courses). The final figures for graduating majors and minors in Psychology for 1980-91 are not yet available. Departmental honors were awarded: Elizabeth Armstrong, Louise Baca, William Barbre, Patricia Bryant, Allan Burnside, Cynthia Coulson, Marina Dipilato, Joseph McGill, Karen Walsh and Sarah Wittrup.

The department offered honors sections of Psychology 102. Special no-credit discussion sections were not offered this year on a volunteer basis in conjunction with introductory psychology due to staffing demands. No substantive changes were made in the undergraduate program, but it is under steady review in relation to educational needs, the personnel available, and student interests. The program is sound and well-designed, and the major problem is offering sufficient sections of the most popular courses to accomodate the demand.

B. Graduate Education. At the exclusively graduate level, the

department handled a total enrollment of 328 distributed among 59 registered students. These figures represent a continuation of our policy of restricting graduate enrollment within a 3:1 student/faculty ratio.

The Master's Degree was conferred upon 4 candidates: James Franklin, Kenneth Leight, Marilyn Wolff and Kay Buck.

The Doctoral Degree was conferred upon 12 candidates:

Thomas Boyd Advisor: Wm. Miller	Hemispheric Control of Precision Mapping Among Right-Handed Males
Merith Cosden Advisor: Britton Ruebush	Locus of Control and Memory for Prose: An Information Processing Approach
Teresa Makowski Advisor: Samuel Roll	The Relationship of Rorshach Movement and Form-Color Responses to Inter- personal Empathy
Marvin McCallum Advisor: Henry Ellis	The Role of Semantic Relatedness in Encoding and Memory
Charlene McIver Advisor: John Gluck	Response to Coronary Artery Bypass Surgery as a Function of Psychological and Social Variables
Bertha Melgoza Advisor: Samuel Roll	Anglo and Chicano Differences in Susceptibility to Influence
Christine Muehlenweg Advisor: Therese Goetz	Effects of Culture, Sex and Friendship on Cooperation in the Prisoner's Dilemma Game
Michael Rodriguez Advisor: William Miller	Clinical Phobics and Selective Memory for Affective Information About the Self
Carlos Saucedo Advisor: William Miller	The Affects of Alcohol State-Dependent Learning on an Encoding Variability Task: Clinical and Neuropsychological Implications
Michael Schmidt Advisor: William Miller	Amount of Therapist Contact and Outcome in a Multimodal Depression Treatment Program

John Schnizlein
Advisor: G. Robert Grice

Psychophysics of Auditory Simple
Reaction Time

Timothy Strongin
Advisor: John Gluck

Exercise and Behavioral Treatment
of Obesity

A chronic problem for our graduate program is financial aid for our graduate students. Our budgeted support for 1980-81 remains at the 1972-73 level of support. For the past four years we have received 2-4 additional TAs, but these increases were always temporary. While these increases were appreciated the department needs a permanent increase of 4-8 additional TAs. Psychology is significantly undersupported in TAs relative to other laboratory science departments. This is a longstanding problem and should be corrected soon. I have again requested to the Dean and Provost that a reasonable increase in TA support be provided for next year; however, no new TA allocations to A&S have been made.

We were able to provide some support for many of our students, with 14 as teaching assistants, 1 as a teaching associate, 3 as research assistants, 6 as NIMH trainees, 1 APA minority fellowship, and 3 with tuition scholarships. Local clinical facilities support several other students. The experimental training grant was funded for 1980-81. The clinical training grant was not approved this year. The loss of 6 support positions from this grant represents a serious loss to the program.

C. Faculty. The faculty of the department numbered 25 during the 1980-81 academic year, composed of Professors Benedetti, Ellis, Feeney, Ferraro, Grice, Johnson, Logan (sabbatical leave, 1980-81), Rhodes, Rosenblum and Ruebush; Associate Professors Friden, Gluck,

Gordon, Harris, and Roll; and Assistant Professors Brecht, Delaney, Dougher, Goetz, Hodge, Miller, Newman, O'Grady, Padilla, and Ritchey. Of these, Benedetti served as Acting Dean of the Office of Graduate Studies and Ruebush's primary commitment remained with the Department of Psychiatry. Our faculty FTE was 19.26, not recognizing leaves or sabbaticals. Dr. Delaney was promoted to Associate Professor and was awarded tenure. Dr. Gordon was awarded tenure. Dr. Goetz resigned her position as of May, 1981. Visiting faculty from Dalhousie University, Canada, were Professors Marcia Ozier and Bruce Earhard. Serving as a post-doctoral fellow was Professor Thomas Dorsel from Western Carolina University.

Affiliated faculty during the year were: Professors Lester Libo and Mary Harris, Assistant Professors Philip Day and Louis Wynne; as well as Adjunct Associate Professor Joseph Schenkel; Adjunct Assistant Professor Kathleen Haaland; and Clinical Assistant Professors Joseph Cardillo and Donald Flammer.

New faculty who joined the faculty in 1980-81 were Assistant Professors Michael Dougher, Ph.D., University of Illinois (Chicago); Kevin O'Grady, Ph.D., University of Connecticut; and Jean Newman, Ph.D., University of Toronto.

D. Colloquia. Distinguished speakers in our colloquium series during the year included: Erika Apfelbaum (University of Paris), Roger Schvaneveldt (NMSU), Richard Kalish (Albuquerque), Bruce Earhard (Dalhousie University), Delos Wickens (Ohio State), William Bevan (Duke University), and Marcia Ozier (Dalhousie University).

Overall, this important adjunct to our regular programs was invaluable in adding breadth of exposure. What is needed most in this context is to involve more of our local people, particularly affiliated faculty, in this program. We regret that, in the course of fiscal retrenchment, our modest colloquium budget was abolished for 1980-81.

E. Sponsored Research.

- a. Of the 23 full-time faculty, there were a total of 18 grant proposal transactions and 4 University biomedical research grant proposals.
- b. Twelve of 23 faculty submitted proposals, for a 52% application rate.
- c. During the year 12 of 23 faculty held sponsored outside grants, for a 52% rate. Faculty supported by outside grants in 1980-81 include Ellis, Feeney, Gluck, Gordon, Grice, Johnson, Miller, and Padilla. Faculty supported by University biomedical research grants include Dougher, Hodge, Newman, and O'Grady.
- d. Of the 22 total proposals submitted, a total of 10 were funded (includes 4 biomedical proposals) which generates a 45% hit rate.

F. Research Activities. The department continued to be productive in its research efforts. We published 50 major articles or monographs; gave 91 lectures, workshops, or reports; and garnered \$253, 702 in extramural support.

The department is engaged in a wide range of research activities

which can be only briefly noted here.

Research in human learning, memory, and cognition includes work on visual and verbal elaboration of verbal materials in the context of a Markov model of learning as well as studies of individual differences in learning and memory. New work in speech perception and psycholinguistics was initiated. In addition, studies of coding and organization in memory, constructive processes in memory, and depth of processing are being conducted. At the level of conceptual behavior we are doing research into the way humans learn rules and apply them. At another level we are carrying on studies of simple and choice reaction time. In human factors, we completed studies of conference behaviors. Extensive research in animal learning and behavior, psychopharmacology, and physiological psychology was conducted. Studies of the effects of hormones on brain functioning and eating and drinking, and locomotor behaviors were conducted. Studies of animal discrimination learning, short-term interference in retention, sensory preconditioning, aversive control, and dominance in animals were continued as part of long-term research programs. There is work being done on the effects of drugs on behavior, including long-term effects of drugs on complex processes. Studies of observational behavior are being reported. Studies of the effects of early experience on subsequent adult behavior are being conducted with a focus toward identifying procedures which might reduce the traumatic effects of early deprivation. In addition, drug studies with epileptics were continued with an emphasis on identifying drugs which might suppress the cortical activity associated with epilepsy. Similarly, we were involved in studies of flashed

evoked potentials as they related to migraine headache, and in studies of sleep.

Other studies focused on clinical, developmental, educational, and social psychology. New work on pain, behavior modification of sex deviants, and sex attitudes and guilt was initiated. Research on the behavioral treatment of problem drinkers and alcoholism was continued, which included a clinical facility to deal with the problems of those who drink excessively. Reports on the role of paraprofessionals in mental health services were reported. A project in the treatment of depression was continued, as was a project on infant imitation and play. Studies in attribution and learned helplessness were initiated. Our faculty studies the role of dreams, adolescent males' feelings of being understood by their fathers, and the importance of humor in normal behavior. We have long been involved in evaluating the effectiveness of behavior therapy using conditioning procedures. Studies in cross-cultural psychology and ethnic differences in personality were initiated. Studies of social class and ethnic factors in clinical judgments were conducted. We continue to work on grading practices and teacher evaluation. Studies in experimental social psychology continue with an emphasis on quantitative models in social psychology.

While this is only a small account of all the research activities of the department, it is illustrative of the wide range of research interests and activities of this faculty. The richness and diversity of our activities should be apparent and we hope for

greater support of these activities in the future.

G. Scientific and Professional Societies. Members of the department continued to play an active leadership role in scientific and professional societies. Professor Ferraro served as President of UNM's Sigma Xi, President, SWARM Division of the American Association for the Advancement of Science, and Council Member of the Southwestern Psychological Association; Professor Grice was President of the Division of Experimental Psychology of the American Psychological Association; Professor Harris served as President of the Southwestern Division of the Society for Multivariate Analysis; Professor Padilla served as a member of the American Psychological Association Minority Fellowship Program Committee; Professor Rosenblum served as Past-Chairman of the New Mexico State Board of Psychologist Examiners; Professor Roll was appointed to the New Mexico State Board of Psychologist Examiners; and Professor Ellis served as Past-Chairman of the National Council of Graduate Departments of Psychology, as member of the Council of Representatives of the American Psychological Association, and as a member of the Education and Training Board of the American Psychological Association.

In addition, the Psychology faculty continued to play an important role in serving on the editorial masthead of many journals. Serving as regular consulting editors were Professors Brecht, Ellis, Ferraro, Grice, Harris, Johnson, and Logan.

H. Service. Our service activities continued at a very high level. These included the North Central Association, the Rocky

Mountain Psychological Association, the Southwestern Psychological Association, the American Psychological Association, the Society of Experimental Psychologists, the National Council of Graduate Departments of Psychology, the American Association for the Advancement of Science, Agora, the Psychiatric Intern Program, Indian Health Service, Programs for Children, International Neuropsychological Society, Esperanza School, Child Guidance Center, Association of Drinkwatchers, Bernalillo County Head Start, Manzanita Center, Counseling Center, Computer Center, Animal Control Facility, Laguna Pueblo, New Mexico Public Defender's Office, religious organizations, athletic organizations, publishers, cultural organizations, Sandia Base, Albuquerque Roadrunners Club, the New Mexico Science Fair, the New Mexico Psychological Association, the New Mexico Board of Psychologist Examiners, Department of Vocational Rehabilitation, Career Services for the Handicapped, the Veterans Administration, Rio Grande Zoo, hospitals at Las Vegas and Los Lunas, the State Penitentiary, Albuquerque Public Schools, Albuquerque Academy, and Sandia Preparatory School. All of our faculty were involved in one or more of these functions. In sum, we continue to be highly visible at all levels of service functions.

I. Space. Psychology is badly in need of additional space. All available space is currently used. We are unable to adequately house faculty except by using an office of a faculty member who will be on sabbatical and by using space currently occupied by office staff. In turn, office staff will be housed in space currently

assigned either to graduate teaching assistants or to a heavily-used seminar room.

Research facilities are now occupied to the hilt. Thus, we lack adequate housing for faculty and staff; we are limited to two seminar rooms; we do not have a suitable colloquium room, and our lounge space is used basically as a study room. We anticipate additional space needs for classrooms, offices, and laboratories. We may need space for a psychological clinic. All of these needs indicate that a new two-story building, constructed adjacent to the current building, will be necessary to meet the needs of the department for the next ten years. The department began discussion of new facility needs during 1980-81, and will formalize these in 1981-82.

J. Administration and Support Staff. Henry Ellis served as chairman and Sidney Rosenblum as assistant chairman during the year. All faculty participated in the administration of the department by serving on various departmental committees. I wish to express my appreciation to Sidney Rosenblum for his able assistance and to the faculty in general for its cooperation and support. Rosenblum completed his able and effective tenure as assistant chairman in May, 1981. He will be succeeded by Bill Gordon.

Judith Peck was Office Manager through part of the year and was succeeded by Jan Claus. I wish to express my appreciation to Jan for her effective leadership in the office. Other secretaries serving the department during the year were Anita Sergent, Joan Block, Patti Gegick, and Juliette Lagassé. Most recently hired was Jean Kollantai.

Anita Sergent is on maternity leave. Ector Estrada continued to supervise the animal facilities and Jim Casaus continued as animal technician. Verlin Williams continued as shop supervisor. In addition, during portions of the year, various students served as part-time clerical or lab assistants.

	70-71	71-72	72-73	73-74	74-75	75-76	76-77	77-78	78-79	79-80	80-81
Faculty Information											
Voting faculty (total)	17	18	20	20	19	20	24	26	27	27	25
Professors	7	7	7	8	8	11	11	11	12	12	10
Associate Professors	5	5	6	6	6	5	5	5	4	5	5
Assistant Professors	5	6	7	6	5	4	8	10	11	10	10
Budgeted FTE faculty	14	16.3	18.3	18.3	17.8	19.1	20.87	22.53	24.88	24.78	19.26
FTE faculty minus leaves	14	14	16.3	16.3	15.8	18.6	19.87	21.19	23.38	23.28	18.26
Faculty turnover (total)	1	0	0	2	1	0	2	1	1	4	1
Resignations	0	0	0	2	1	0	0	1	1	2	1
Tenure denials	1	0	0	0	0	0	0	0	0	1	0
Deaths and Retirements	0	0	0	0	0	0	0	0	0	1	0
Number of faculty engaged in											
Lower division teaching			11	11	11	11	10	10	19	19	19
Upper division teaching			14	16	16	18	20	22	23	23	26
Graduate teaching			16	19	14	19	17	20	22	24	24
Thesis/dissertation supervision			9	12	14	13	15	19	17	18	18
Undergraduate Education											
Introductory enrollment	3565	3580	3728	3318	3577	3745	4025	3756	4003	3428	3291
Optional laboratories	1648	1883	1844	1401	1537	1327	1046	1117	1162	947	918
Advanced enrollment	3324	4019	4749	4902	4424	4059 ^a	3797	3980	3642	3279	2772
Optional laboratories	209	151	159	159	158	163	110	98	116	77	60
Graduating Majors	70	64	99	107	133	108	84	81	78	86	60
Graduating Minors	50	31	63	44	71	78	48	66	98	39	9 ^g
Graduate Education											
Graduate enrollment	300	413	459	432	372	362	362	384	391	361	328
Graduate assistants (budgeted)	11	11	12	13	14	12	12	12	12	12	12
Graduate assistants (authorized)	13	14	14	13	14	13	16	14	14	14	14
Research assistants	12	13	14	15	13	12	6	5	4	8	3
Fellows and Trainees	14	12	11	8	8	9	7	18	19	18	7
Tuition Scholarships			4	5	4	2	1	2	2	2	3
Master's Degrees	3	9	7	4	9	7	10	14	10	8	4
Doctoral Degrees	8	6	5	13	4	7	3	7	6	6	12
Applications received			250	154	195	250	350	267	223	149	132
Offered Admission			36	33	27	55	40	45	45	32	37
Accepted Admission			20	19	6	13	13	10	17	11	15
Graduate Students			56	66	56	60	58	51	52	62	59
Research Activities											
Books and Articles	32	25	29	20	36	26	34	40	28	48	50
Lectures and Reports	30	35	57	64	61	76	86	92	88	73	91
Extramural support (000)	\$306	\$284	\$235	\$260	\$300	\$268	\$138	\$197	\$214	\$300	\$253
General information											
FTE Staff	2	2	3	3.3	4.4	5.2	6.3	9.8	9.8	8.8	7.5
Department Budget (000)	\$282	\$322	\$359	\$383	\$412	\$467	\$564	\$596	\$671	\$694	\$753
Grade Distributions (percent)											
Lower Division (ex labs)											
A			15.4	14.6	16.4	14.5 ^b	13.6 ^d	15.0 ^e	16.4 ^f	45.9 ^h	16.4 ^h
B			23.5	27.1	25.0	24.3	21.3	24.3	24.6		27.0
C			32.9	36.8	35.3	29.5	30.3	24.6	26.8	25.3	28.4
D			8.4	11.0	10.6	13.6	13.8	13.3	12.2	25.5	13.8
F			7.1	8.0	8.8	11.0	12.9	16.3	16.0		11.5
CR			4.7	1.4	1.8	-	-	.8	.4		-
Other			8.0	1.1	2.1	7.1 ^c	8.1	5.7	3.0	3.3	2.0
Upper Division (ex labs, prob.)											
A			25.9	30.0	24.7	25.7	25.2	21.0	29.7	62.2	32.7
B			27.2	26.3	29.2	30.4	26.6	24.0	25.1		26.3
C			22.1	25.8	27.2	23.1	25.6	28.3	25.6	18.0	20.4
D			4.5	6.9	6.3	5.0	5.1	5.4	5.8		7.1
F			4.0	5.9	5.3	3.7	7.0	7.1	6.0	13.4	5.8
CR			4.4	2.0	3.3	-	-	1.2	1.8		-
Other			11.9	3.1	4.3	12.2	10.5	13.1	6.0	6.3	3.6
Graduate (ex prob., thesis, diss.)											
A			64.6	53.2	59.4	44.0	47.7	33.7	36.5	46.7	38.4
B			16.1	27.6	26.4	12.8	16.2	20.4	16.7		13.0
C			5.8	4.6	2.4	3.0	2.3	1.2	4.4	4.0	4.1
TC			2.7	3.3	1.2	-	-	1.2	3.2	1.3	0.0
Other			10.8	11.3	10.5	40.2	33.7	33.5	39.2	48.0	39.3

¹Actually, no decrease--Psy. 201 not included as taught by Math dept.

²Only Fall 75 grades used for 75-76 as analyzed by Institutional Research.

³Includes CR, A, B, PP, TC.

⁴Only Fall 75 grades included.

⁵Fall 77.

⁶Fall 76.

⁷Totals not yet available

⁸Only Fall grades are available.

January 1, 1980 - December 31, 1980

II. Composite of information requested on individual biographical supplements.

1. Advanced study

Dougher, Michael J.--Ph.D. requirements completed in July, 1980 at the University of Illinois at Chicago Circle, Chicago, IL. Also completed internship in clinical psychology at the VA Hospital in Northampton, MA.
 Ferraro, Douglas P.--Attended graduate courses in Behavioral Medicine, Clinical and Experimental Hypnosis, and Forensic Psychology, UNM. Completed courses in Intermediate and Advanced Yoga. Participated in the Historical Foundations of Modern Science study by the National Science Foundation. Served as consultant by title; served as intern in the VA Behavioral Medicine Program under Dr. Fedoravicius.
 Goetz, Therese E.--Certification exams completed, October 1980.
 O'Grady, Kevin E.--Completed all requirements for the Ph.D. degree, University of Connecticut, Storrs, CT., August 1980.
 Rhodes, John M.--NATO ASI - Neuropsychology and Cognition, September, 1980.
 Roil, Samuel--Awarded Diplomate status by the American Board of Forensic Psychology, March 1980.

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel

Ferraro, Douglas P.--On sabbatical leave during Semester II of the 1979-80 school year; spent time with the Behavioral Medicine Unit at the Johns Hopkins Medical School in Baltimore.
 Harris, Richard J.--Attendance at conventions (see #6).
 Johnson, Peder J.--Sabbatical leave, academic year 1979-80.
 Logan, Frank A.--Sabbatical leave, Semester I, 1980-81. Spent predominantly at the Australian National University, Canberra, Australia.
 Padilla, Eligio R.--Mexico on various occasions to supervise research project.
 Rosenblum, Sidney--Visiting Professor, University of Texas at El Paso, Summer session 1980.

3. New scholastic honors, fellowships, etc.

Delaney, Harold D.--Nominated for the University's Outstanding Graduate Teacher of the Year Award.
 Ferraro, Douglas P.--Reappointed to Drug Abuse, Behavioral and Psychosocial Research Review Committee of the National Institute on Drug Abuse; Re-elected to the Executive Council of the Southwestern Psychological Association; Reappointed President, Psychology Section, Southwestern and Rocky Mountain Division, American Association for the Advancement of Science; Appointed as Special Review Consultant, U.S. Dept. of Health and Social Services; Appointed as Adjunct Professor, Union for Experimenting Colleges and Universities; Who's Who in the West.

3. New scholastic honors, fellowships, etc. (cont.)

- Harris, Richard J.--Elected to Society for Experimental Social Psychology (restricted to 5% annual growth); Application for promotion to full professor at UNM turned down.
- Roll, Samuel--Appointed to the American Academy of Forensic Psychology; Named as Adjunct Professor for the Union of Experimenting Colleges and Universities.
- Rosenblum, Sidney--Who's Who in the West; Who's Who in Child Development.

4. Publications

- Brecht, Mark Allen--A study of meeting and conference behavior. JSAS Catalog of Selected Documents in Psychology, 1980, 10 (Ms. 2003), 13.
- Brecht, M.--Study of meeting and conference behavior. Dissertation Abstracts International, 1980, 40(10), 5062-B.
- Delaney, Harold D.--Haaland, K. Y., Porch, B. E., & Delaney, H. D. Limb apraxia and motor performance. Brain and Language, 1980, 9, 315-323.
- Delaney, H. D., & Maxwell, S. E. The use of analysis of covariance in test of attribute-by-treatment interactions. Journal of Educational Statistics, 1980a, 5, 191-207.
- Delaney, H. D., & Maxwell, S. E. Significant attribute-by-treatment interactions: The importance of considering multiple attributes. JSAS Catalog of Selected Documents in Psychology, 1980b, 10, 67-68.
- Ellis, Henry C.--An analysis of retention of concepts resulting from learning by experience. In M. R. Crowe and R. J. Harvey (Eds.), Learning and Retention of Basic Skills in Alternative Environments, National Institute of Education Conference, National Center for Research in Vocational Education, Columbus, OH, 1980, FI-F14.
- Feeney, Dennis M.--Feeney, D. M., & Gold, G. Chronic dorsal column stimulation: Effects of H-Reflex and symptoms of a patient with multiple sclerosis. Neurosurgery, 1980, 6, 564-566.
- Ferraro, Douglas P.--Acute effects of marijuana on human memory and cognition. In R. C. Peterson (Ed.), Marijuana Research Findings: 1980. U.S. Government Printing Office, 1980, pp. 98-119.
- Friden, Thomas P.--Porch, B. E., Collins, M., Wertz, R. T., & Friden, T. P. Statistical predictions of change in aphasia. Journal of Speech and Hearing Research, 1980, 23, 312-321.
- Gluck, John P.--Gerbils as Detectors of Explosives: An Evaluation. Sandia Laboratories Technical Report, October, 1980.
- Goetz, Theresa E.--Goetz, T. E., & Dweck, C. S. Learning Helplessness in Social Situations. Journal of Personality and Social Psychology, 1980, 39(2), 246-255.
- Dweck, C. S., Goetz, T. E., & Strauss, N. L. Sex Differences in Learned Helplessness: An Experimental and naturalistic study of failure generalization and its mediators. Journal of Personality and Social Psychology, 1980, 38(1).
- Gordon, William C.--Spear, N. E., Smith, G., Bryan, R., Gordon, W. C., Timmons, R., & Chiszar, D. Contextual influences on the interaction between conflicting behavior in the rat. Animal Learning and Behavior, 1980, 8(2), 273-281.
- Gordon, W. C., & Ilowrer, R. R. An extinction trial as a reminder treatment following ECS. Animal Learning and Behavior, 1980, 8(3), 363-367.

4. Publications (cont.)

- Harris, Richard J.--Equity judgements in hypothetical, 4-person partnerships. Journal of Experimental Social Psychology, 1980, 16, 96-115.
- Harris, R. J., & Joyce, M. A. What's fair? It depends on how you phrase the question. Journal of Personality and Social Psychology, 1980, 38, 165-179.
- Maginn, B. K., & Harris, R. J. Effects of anticipated evaluation on individual brainstorming performance. Journal of Applied Psychology, 1980, 65, 219-225.
- Melgoza, B., Harris, R. J., Baker, R., & Roll, S. Academic preference and performance of Chicano and Anglo college students. Hispanic Journal of Behavioral Science, 1980, 2, 147-159.
- Hodge, Gordon K.--Hodge, G. K., & Butcher, L. L. Pars compacta of the substantia nigra modulates motor activity but is not involved importantly in regulating food and water intake. Naunyn-Schmiedeberg's Archives of Pharmacology, 1980, 313, 51-67.
- Hodge, G. K., & Collatz, F. A. Efficacy of EMG biofeedback training in improving examination performance of test anxious college students. Consolidation and new directions: Proceedings of the Biofeedback Society of America, eleventh annual meeting. Denver: Biofeedback America, 1980, pp. 62-65. (Long abstract)
- Linn, R. T., & Hodge, G. K. Use of EMG biofeedback training in increasing attention span and internalizing locus of control in hyperactive children. Consolidation and new dimensions: Proceedings of the Biofeedback Society of America, eleventh annual meeting. Denver: 1980, pp. 81-84. (Long abstract)
- Linn, R. T., Gioni, T. A., & Hodge, G. K. The effects of EMB biofeedback upon the attention span and locus of control of hyperactive children. Journal of the Arizona-Nevada Academy of Science, 1980, 15, 65. (Abstract)
- Hodge, G. K., & Collatz, F. A. Efficacy of EMG biofeedback training in improving examination performance of test anxious college students. Biofeedback and Self-Regulation, 1980, 5, 369-370. (Abstract)
- Linn, R. T., & Hodge, G. K. Use of EMG biofeedback training in increasing attention span and internalizing locus of control in hyperactive children. Biofeedback and Self-Regulation, 1980, 5, 373. (Abstract)
- Johnson, Peder J.--Hertel, P., Cosden, M., & Johnson, P. Passane Recall: Constructive Effects and Cognitive Flexibility. Journal of Educational Psychology, 1980, 72, 133-140.
- Logan, Frank A.--Logan, F. A., & Gordon, W. C. Fundamentals of Learning and Motivation (3rd Ed.). Dubuque, IA: W.C. Brown Co. 1980.
- Miller, William Richard--(Ed.), The addictive behaviors: Treatment of alcoholism, drug abuse, and obesity. Oxford: Pergamon Press, 1980.
- Miller, W. R. Maintenance of therapeutic change: A usable evaluation design. Professional Psychology, 1980, 11, 660-663.
- Miller, W. R. (Ed.) Recent advances in addictions research. Oxford: Pergamon Press, 1980.
- Miller, W. R., & Hester, R. K. Treating the problem drinker: Modern approaches. In W. R. Miller (Ed.), The addictive behaviors: Treatment of alcoholism, drug abuse, smoking and obesity. Oxford: Pergamon Press, 1980, pp. 11-141.

4. Publications (cont.)

- Miller, W. R., & Orr, J. Nature and sequence of neuropsychological deficits in alcoholics. Journal of Studies on Alcohol, 1980, 41, 325-337.
- Miller, W. R., & Taylor, C. A. Relative effectiveness of bibliotherapy, individual and group self-control training in the treatment of problem drinkers. Addictive Behaviors, 1980, 5, 13-14.
- Miller, W. R., Taylor, C. A., & West, J. C. Focused versus broad-spectrum therapy for problem drinkers. Journal of Consulting and Clinical Psychology, 1980, 48, 590-601.
- Reyes, E., & Miller, W. R. Serum gamma-glutamyl transpeptidase as a diagnostic aid in problem drinkers. Addictive Behaviors, 1980, 5, 59-65.
- Newman, Jean E.--Dell, D. S., & Newman, J. E. Detecting phonemes in fluent speech. Journal of Verbal Learning and Verbal Behavior, 1980, 19, 608-623.
- O'Grady, Kevin E.--Mosher, D. L., O'Grady, K. E., & Katz, H. A. Hostility-guilt, guilt over aggression, and self-punishment. Journal of Personality Assessment, 1980, 44, 34-40.
- Janda, L. H., & O'Grady, K. E. The development of a sex anxiety inventory. Journal of Consulting and Clinical Psychology, 1980, 48, 169-175.
- O'Grady, K. E. The Absorption Scale: A factor-analysis assessment. International Journal of Clinical and Experimental Hypnosis, 1980, 28, 281-288.
- O'Grady, K. E. Problems and prospects in preparing computer generated questionnaires and rating scales. Computers in Psychiatry/Psychology, 1980, 3(1), 9-10.
- Rhodes, John M.--Buckman, M. T., MacLean, C., Peake, G. T., Rhodes, J. M., & Srivastava, L. M. Absence of Prolactin Hypersecretion during Sleep in Men with Gynecomastia. Hormone Metabolic Research, 1980, 12(7), 344-345.
- Ritchey, Gary H.--Picture superiority in free recall: The effects of organization and elaboration. Journal of Experimental Child Psychology, 1980, 29, 460-474.
- Ritchey, G. H., & Beal, C. R. Image detail and recall: Evidence for within-item elaboration. Journal of Experimental Psychology: Human Learning and Memory, 1980, 6, 66-76.
- Roll, Samuel--Rohner, R., Roll, S., & Rohner, E. Perceived parental acceptance-rejection and personality organization among Mexican and American elementary school children. Behavior Science Research, 1980, 15, 23-39.
- Roll, S., & Irwin, M. H. The role of fantasy involvement and high stimulus desirability in the conservation of number and volume. Journal of Genetic Psychology, 1980, 137, 119-124.
- Rohner, E., Rohner, R., & Roll, S. Relationship between perceived parental acceptance-rejection and children's behavioral and personality dispositions: A comparative intercultural study of American and Mexican children. Journal of Cross Cultural Psychology, 1980, 11, 212-231.

4. Publications (cont.)

- Melgoza, B., Roll, S., & Baker, R. Transferential aspects in therapy: The therapist with a physical impairment. The Clinical Psychologist, 1980, 33, 11-12.
- Lockwood, J. L., & Roll, S. Effects of fantasy behavior, level of fantasy predisposition, age and sex of direction of aggression in young children. Journal of Genetic Psychology, 1980, 136, 255-264.
- Roll, S., Millen, L., & Martinez, R. Errors in psychotherapy with Chicanos: Extrapolations from research and clinical experiences. Psychotherapy, Theory, Practice and Research, 1980, 17, 158-168.
- Melgoza, B., Harris, R. J., Baker, R., & Roll, S. Academic preference and performance of Anglo and Chicano College Students. Hispanic Journal of the Behavioral Sciences, 1980, 2, 147-154.
- Ruebush, Britton K.--Never Say "Goodbye" Without First Saying "Hello." (A discussion of Sigmund Freud and the current state of Psychoanalytic Theory.) POCA Press, 1980, 13(3).

5. Other research projects or creative work in progress or completed during period

- Brecht, Mark A.--Received grant from the National Science Foundation (SPI-8005196, Testing and Evaluation of the Tactual Directory for the New Mexico Union) in the amount of \$11,911 to evaluate a tactile map designed to provide the visually handicapped with directional and orienting information about the interior layout of a building. Grant support extends through February 1981 and provided stipends to six undergraduates for 12 weeks this summer. The series of laboratory and field studies which were proposed to test the effectiveness of the map prototype have recently been completed. The final report is in preparation and will summarize the three major project components: (1) preparation of an annotated bibliography of research on tactile mapping and blind orientation, (2) empirical testing of the discriminability of selected tactile symbols, and (3) field testing of the in-place map.
- Submitted proposal entitled, "Developing a Tactual Building Directory and Guidance System for the Blind", to the National Endowment for the Arts in collaboration with Wolfgang Preiser of the School of Architecture and Planning. The proposal requests \$47,610 for one year beginning July 1981 to (1) design and test a second-generation tactile building directory for the blind and (2) develop a campus-wide orientation system for the visually impaired. (Preliminary reviews have been favorable.)
- Received Research Allocations Committee funding in the amount of \$666 to assess "Human Error in the Use of Torque Wrenches as a Function Design, Torquing Position, and Torque Level." (3 June, 1980)
- Received Research Allocations Committee funding in the amount of \$645 to assess the "Effect of Distorted Spectrum Fluorescent Illumination on Human Physiological and Cognitive Functioning." (5 December 1980)
- Delaney, Harold D.--Delaney, H. D. & Maxwell, S. E. On using analysis of covariance in repeated measured design. Multivariate Behavioral Research, 1981, 16(1), in press.
- Delaney, H. D., Norman, R. D., & Miller, D. A. An exploration of the verbal encodability hypothesis for sex differences in the Digit-Symbol (Symbol-Digit) test. Intelligence, 1981, in press.

5. Other research projects or creative work in progress (cont.)

- Haaland, K. Y., & Delaney, H. D. Motor deficits after left and right hemisphere damage due to stroke or tumor. Neuropsychologia, 1981, in press.
- Dougher, Michael J.--Clinical Effects of Response Deprivation/Satiation Procedures. Submitted to Journal of Consulting and Clinical Psychology for publication. Also submitted to the Western Psychological Association for presentation at their convention in April, 1981.
- Dougher, M. J.--An Operant Framework for the Study of Experimental Manipulations of Pain. Submitted to the Association for Behavior Analysis for presentation at their convention in May, 1981. Also in preparation for publication.
- Currently planning research programs concerned with the behavioral treatment of sexual deviance and child abuse. Support for the first line of research comes from a grant of \$667.40 from the University's Research Allocation Committee and a grant of \$3515 from the Sandia University Research Proposal/Biomedical Research Support Grant.
- With regard to child abuse, plans are being discussed with the director of the Family Resource Center in Albuquerque to establish a liaison between them and the Psychology Department for research opportunities and training of our clinical graduate students.
- Ellis, Henry C.--Leight, K. A., & Ellis, H. C. Emotional mood states, strategies and state-dependency in memory. Journal of Verbal Learning and Verbal Behavior, 1981, in press.
- Ellis, H. C. Cognitive strategies in human memory. International Symposium on Theoretical Psychology, under review.
- Ellis, H. C., & Tyler, S. W. Anxiety effects in memory. In preparation.
- Ellis, H. C. Strategies, effort, and repetition effects in memory. In preparation.
- Ellis, H. C., & Greene, S. Eyewitness identification and recognition failure. In preparation.
- Continued research on various phases of human memory and learning (encoding, storage, and retrieval).
- Submitted renewal grant for NIMH Research Service Award for 1981-82. Grant in General Experimental Psychology for period 1977-1982 for \$253,000. (I have supervisory responsibility for six graduate students who are appointed as trainees under this grant.)
- Rhodes, J. M., & Ellis, H. C. The effect of cognitive effort: A clinical approach. NATO Proceedings on Neuropsychology and Cognition (Vol. 2), 1981, in press.
- Feeney, Dennis M.--Feeney, D. M., Boyeson, M. G., Linn, R. T., Murray, H. M., & Dail, W. G. Responses to cortical injury: I. Methodology and local effects of contusions in the rat. in press. Brain Research.
- Dail, W. G., Feeney, D. M., Murray, H. M., Linn, R. T., & Boyeson, M. G. Responses to cortical injury: II. Widespread depression of the activity of an enzyme in cortex remote from a focal injury, in press. Brain Research.
- Murray, H. M., Feeney, D. M., & Dail, W. G. Responses to cortical injury: III. Scanning electron microscopy of the reaction to cerebral trauma. Submitted for publication to Brain Research.
- Feeney, D. M., Boyeson, M. G., Murray, H. M., & Dail, W. G. Response to cortical injury: IV. Motor cortex representation after cerebral trauma in the rat. Submitted for publication to Brain Research.
- Feeney, D. M. Spinal Cord: Physiology. In Stereotaxy of the Human Brain, G. Schaltenbrand & A. E. Walker (Eds.), Verlag, Stuttgart, in press, 1981.

5. Other research projects or creative work in progress (cont.)

- Feeney, D. M. Forebrain lesions produce sensory neglect and suppress seizures and spindles, in press. Festschrift for D. G. Lindsay
- Feeney, D. M., & Hovda, D. A. Amphetamine and apomorphine restore tactile placing after motor cortex injury in the cat: Dopamine Diaschesis. Submitted to Psychopharmacology.
- HEW Neurological Disease and Stroke, April 1978 - April 1981. Interdisciplinary study of brain trauma. (Principal Investigator) \$198,000.
- HEW MBS - NINCDS. August 1980 - August 1983. Effects of seizures and barbiturate on recovery from brain injury. (Principal Investigator). \$35,948.
- HEW MBS - NINCDS. August 1980 - August 1983. Blood pressure modulation of epileptiform activity. (Co-Investigator). \$17,000.
- HEW Neurological Disease and Stroke. May 1981 - May 1984. Interdisciplinary study of brain trauma. (Principal Investigator) \$397,391.
- Ferraro, Douglas P.--In progress, research into the complications of behavioral medicine for chronic heart disease (CHD).
- Friden, Thomas P.--Kinnucan, M. T., and Friden, T. P. Visual for integration and discontinuity detection. Journal of Experimental Psychology, in press.
- Veterans Administration Cooperative Study on Aphasia: A Comparison of Individual and Group Treatment. Journal of Speech and Hearing Research, in press.
- Gluck, John P.--Contract: Gerbils as Explosive Detectors, Sandia Laboratories, \$22,000.
- Gluck, J. P. Captivity and Behavior: Primates in breeding colonies, laboratories and zoos. Edited by J. Erwin, T. Maple, G. Mitchell, The Quarterly Review of Biology, in press.
- Goetz, Therese E.--Goetz, T. E. & Gutierrez, M. A cross-cultural comparison of reactions to failure and task difficulty. Under review, Journal of Cross Cultural Psychology.
- Goetz, T. E. & Giomi, T. Persistence in the face of failure: Performance and cognitions of severely disturbed and non-disturbed children. In preparation.
- Goetz, T. E. Sex differences in the cognition of failure in achievement and affiliative situations. In preparation.
- Goetz, T. E. Hispanic and Anglo children's cognitive and conative responses to failure. Data collection expanded, new analyses in progress.
- Riedle, J. A. & Goetz, T. E. Theoretical definitions of causal attributions: Can they be accepted at face value? Submitted to Personality and Social Psychology Bulletin.
- Riedle, J. A. & Goetz, T. E. Teacher's attribution's for performance: The effects of sex of the performer, sex-typing of task, and grade. Manuscript in preparation.
- Johnson, M. & Goetz, T. E. Sex roles and learned helplessness. Data collection in progress.
- Gordon, William C.--Logan, F. A., & Gordon, W. C. Fundamentals of Learning and Motivation, 3rd Edition. Dubuque, Iowa: W. C. Brown Co., Publishers. in press.
- Spear, N. E., & Gordon, W. C. Sleep, Dreaming and the retrieval of memories. In W. Fishbein and E. Weitzman (Eds.), Advances in Sleep Research, Vol. 4, New York: Spectrum Publications, in press.

- Gordon, W. C. Mechanisms for cue-induced retention enhancement. In N. Spear & R. Miller (Eds.). Memory mechanisms in animal behavior, Hillsdale, N. J.: L. E. Erlbaum Associates, Publishers, in press.
- Gordon, W. C., McCracken, K., Dess-Beach, N., & Mowrer, R. Mechanisms for the cueing phenomenon: The addition of the cueing context to the training memory. Learning and Motivation, in press.
- Gordon, W. C., Taylor, J. & Mowrer, R. Cueing effectiveness as a function of the target-cueing interval and the specific cueing treatment. American Journal of Psychology, in press.
- Gordon, W. C. Motivation. In H. Ellis (Ed.), Introduction to Psychology. In preparation.
- Gordon, W. C. & Shinusky, D. The alleviation of patterning decrements with cueing treatments. In preparation.
- Gordon, W. C. & Wittrup, M. Variations in the cueing context and resistance to extinction in the runway.
- Mowrer, R. R. & Gordon, W. C. An analysis of cueing effects on the contextual representations in a training memory.
- Gordon, W. C. & McCracken, K. The effect of pre-test cues on generalization gradients.
- Grice, G. Robert--NIMH Grant MH16400 "Principles of Response Evocation" Funding for current year (7-1-80 - 6-30-81) \$35,131. Total period of grant - 3 years.
- Currently we have been converting lab to on-line computer operation. This is largely complete and research is now again in progress. Three papers in preparation.
- Harris, Richard J.--Research Allocations Committee grant #020-812-384: "The Phrasing Effect in Judgments of What's Fair." \$895. 3/3/80 - 6/15/80.
- Harris, R. J., Messick, D. M., & Sentis, K. P. Proportionality, linearity, and parameter constancy; Messick and Sentis reconsidered. in press, Journal of Experimental Social Psychology, 1981.
- Non-supported research on behavior in experimental games, including study of effects of explicit goals and feedback on percentage of subjects adopting optimal policies.
- Hodge, Gordon K.--Hodge, G. K. (Principal Investigator) "A proposal to evaluate the potential use of thyrotropin-releasing hormone in reducing hyperactive behavior." HEW #1-S07-RR07185-01-1979/80 BRSG (\$3,736); December 1979 - December 1980.
- Hodge, G. K., Boyeson, M. G., & Linn, R. T. Dopaminergic agonists differentially affect open-field activity of rats with A10 lesions. Psychopharmacology, in press.
- Linn, R. T., & Hodge, G. K. Use of locus control and a continuous performance task in identifying hyperactive children. Submitted for publication.
- Hodge, G. K., & Linn, R. T. Hyperactive children show increased internalization on locus of control following EMG biofeedback conditioning. Submitted for publication.
- Linn, R. T., & Hodge, G. K. Hyperactive children show improvement on a continuous performance task and a reduction of symptoms following EMG biofeedback conditioning. Submitted for publication.
- Boyeson, M. G., & Hodge, G. K. Intensity and peak activity differences in rats with ventral mesencephalic tegmental or raphe lesions. In preparation.
- Hodge, G. K. Effects of thyrotropin-releasing hormone and d-amphetamine on 6-OHDA-induced behaviors in rat pups. In preparation.
- Hodge, G. K., Boyeson, M. G., & Butcher, L. L. Effects of dopaminergic agonists on locomotor activity of rats with bilateral mesencephalic radio-frequency lesions. In preparation.

- Hodge, G. K., & Collatz, F. A. Use of EMG biofeedback conditioning in improving examination performance of test-anxious college students. in preparation.
- Hodge, G. K. Biological bases of behavior. Book chapter contributed to Henry Ellis' book Fundamentals of Contemporary Psychology. Brooks/Cole, in preparation.
- Johnson, Peder J.--Johnson, P., Forester, J., & Rodriguez, W. Effects of dual task expectancy upon letter encoding: An Assessment of Automaticity. Journal of Experimental Psychology: Human Perception and Performance, under review.
- NSF grant. Modeling Jury Deliberation and Effects of Legal Rules. \$129 from September 1980 to February 1983.
- Logan, Frank A.--Literature and Laws of Learning. Hybrid Analysis of Feedback.
- Miller, William Richard--Miller, W. R., Gribskov, C. J., & Mortell, R. L. Effectiveness of a self-control manual for problem drinkers with and without therapist contact. International Journal of the Addictions, in press.
- Miller, W. R., Peckacek, T. F., & Hamburg, S. Group behavior therapy for problem drinkers. International Journal of the Addictions, in press.
- Miller, W. R. Abnormal behavior. In H. C. Ellis (Ed.), Fundamentals of contemporary psychology. Monterey, CA: Brooks/Cole, in press.
- Miller, W. R., & Saucedo, C. F. Neuropsychological impairment and brain damage in problem drinkers: A critical review. In C. Golden et al. (Eds.), Handbook of Clinical Neuropsychology, in press.
- Miller, W. R., Hedrick, K. E., & Orlofsky, D. R. The Helpful Response Questionnaire: An objective instrument for measuring accurate empathy. Submitted to Journal of Counseling Psychology.
- Miller, W. R., Waller, R. & Glassheim, C. Rural training project for crisis intervention: \$24,000, Title I Higher Education Act of 1965, Community Service and Continuing Education. Work completed, final report filed, 1980.
- Miller, W. R., Sunderland, W., & Harquil, J. Ten year follow-up of heroin addicts treated by methadone. National Institute on Drug Abuse. Proposal approved but not funded in 1980.
- Miller, W. R. Second International Conference on Treatment of Addictive Behaviors. Conference grant to National Institute on Drug Abuse. Proposal disapproved, 1980.
- Miller, W. R. Treatment Center for Problem Drinking Women. Research/Service proposal to National Institute on Alcohol Abuse and Alcoholism. Proposal disapproved, 1980.
- Miller, W. R. Multidimensional Assessment of Problem Drinkers. Research proposal to Scientific Advisory Council, Distilled Spirits Council of the United States, submitted November, 1980.
- Alternative approaches in the treatment of depression (with N. Katz, data being analyzed).
- Two-year follow-up of problem drinkers treated with behavioral self-control training (with L. Baca, data being collated and analyzed).
- Revised Drinking Profile (with G. A. Marlatt, manuscript in preparation to be published in forthcoming book.)
- Performance of alcoholics on the Luria-Nebraska Neuropsychological Assessment Battery (with J. A. Moses and C. J. Golden, data being collected).
- Influence of alcohol treatment on other life problems (with K. Hedrick and C. A. Taylor, data being analyzed).
- Bibliotherapy as a treatment for problem drinkers: Two case studies (manuscript submitted by invitation for inclusion in book being edited by P. E. Nathan).

- Desensitization vs. flooding in the treatment of agoraphobia (with P. Gordon, data being collated).
- Behavioral treatment of nightmares (with M. DiPilato, data being collected, study now in follow-up phase).
- Loss of control over drinking: Development of a differential diagnostic instrument (with A. Koons, data collection phase to begin in January).
- Treating problem drinkers: What works? (submitted by invitation for publication in Weekly Psychology Update).
- Effects of alcohol and expectancy upon episodic memory in individuals reporting alcoholic blackouts (with P. Hertel, C. Saucedo, & R. K. Hester, data analysis complete).
- Miller, W. R. A psychologist looks at faith (draft completed, being typed).
- Miller, W. R., & Munoz, R. F. A guide to responsible drinking (revised edition of previous book in preparation--prospectus submitted to publishers).
- Miller, W. R., Orlofsky, D., & Hedrick, K. E. Crisis intervention: A handbook for counselors (first draft complete being revised; prospectus submitted to publishers, one contract offered).
- Newman, Jean E.--Differences in the comprehension of oral and written discourse (supported by funds from the Biomedical Research Support Grant, UNM, 1981).
- O'Grady, Kevin E.--O'Grady, K. E. Convergent and discriminant validity of Russell's revised Wechsler Memory Scale. Submitted to Journal of Consulting and Clinical Psychology.
- O'Grady, K. E. Sex, physical attractiveness, and perceived risk for mental illness. Submitted to Journal of Abnormal Psychology.
- O'Grady, K. E. Probabilities and critical values for Z , χ^2 , r , t , and F . Submitted to Behavior Research Methods & Instrumentation.
- O'Grady, K. E. "Affect, sex guilt, gender, and the rewarding-punishing effects of erotic stimuli": A reanalysis and reinterpretation. Submitted to Journal of Personality and Social Psychology.
- O'Grady, K. E. & Janda, L. H. Personality and seating preference. Submitted to Journal of Experimental Education.
- Sewitch, T. S. & O'Grady, K. E. Comments on "Self-monitoring of mood versus activity in depressed patients." Submitted to Journal of Consulting and Clinical Psychology.
- Janda, L. H., O'Grady, K. E. & Barnhart, S. A. Effects of sexual attitudes and physical attractiveness on personal perception of man and women. Sex Roles, in press.
- Janda, L. H., O'Grady, K. E., Nichelous, J., Harsher, D., Denny, C., & Denner, K. Effects of sex guilt on interpersonal pleasuring. Journal of Personality and Social Psychology, in press.
- O'Grady, K. E. & Janda, L. H. Sex guilt: A critical review.
- Janda, L. H. & O'Grady, K. E. The effects of dissimulation and anonymity upon the Differential Emotions Scale.
- O'Grady, K. E. Sex bias and the MMPI.
- O'Grady, K. E. A comparison of the Edwards' and Marlowe-Crowne Social Desirability Scales.
- Padilla, Eligio R.--NIMH, \$42,000, Typology of Violent Death, 2nd year of 3 year grant.
- Southwest Resource Center of Science & Engineering and the Albuquerque Public Schools, \$31,117, Raising Expectations: A strategy for Increasing the Pool of Potential Scientists and Engineers among Hispanics, August, 1980-June, 1981.
- Dirección de Educación Especial, Secretaría de Educación Pública del Gobierno de México, approx. \$2,500,000 (pesos), The Development of WISC-R Norms in Mexico, July 1980-Dec. 81.

5. Other research projects or creative work in progress (cont.)

- Rhodes, John M.--Rhodes, John M. & Ellis, Henry C. The Effect of Cognitive Effort: A Clinical Approach. In press.
- Rhodes, John M., Peake, Glenn T., Larrabee, Susan O., Buckman, Myra, T. The Effect of TRH in Narcolepsy: A double-blind, cross-over study. In preparation.
- Ritchey, Gary H.--Ritchey, G. H., & Armstrong, E. Computer games children play. Child Development, submitted.
- Ritchey, G. H. Pictorial detail and recall. Manuscript in preparation.
- Ritchey, G. H. Image detail and recall: age or population effects? Manuscript in preparation.
- Information Processing in Children's Games source: BRSG/SURP Award, \$4,953 from 12/14/79 - 12/13/80.
- Determinants of Pictorial Recall; Research Allocations Committee, \$1,455 from 12/18/79 - 6/15/80.
- Roll, Samuel--Glazer, M., & Roll, S. Fingertip skin temperature as an indicator of affect arousal. Psychotherapy: Theory, Practice, and Research, in press.
- Lockwood, J. L., Roll, S., & Matthews, D. B. Two studies of the movement responses in young children. Journal of Personality Assessment, in press.
- Jacobson, J., & Roll, S. The effects of postural position and interpersonal orientation on primary process content and form appropriateness on the Holtzman. Submitted to Journal of Abnormal Psychology.
- Rosenblum, Sidney--Aspects of depression in children (unfunded).
Impact of divorce on children (unfunded).
- Ruebush, Britton K.--ANNUAL REPORT OF THE ALBUQUERQUE CHILD GUIDANCE CENTER, 1980, Albuquerque, NM.
- Evaluation Study of Consumer Attitudes Toward the Services of the Albuquerque Child Guidance Center.

6. Activities in learned and professional societies

- Benedetti, David T.--Represented UNM at annual meeting of Western Association of Graduate Schools, Seattle, Washington, March 2-4, 1980.
- Represented UNM at meetings of Council of New Mexico Graduate Deans: Eastern New Mexico University, Portales, New Mexico, 5/8/80.
- Highlands University, Las Vegas, New Mexico, 10/24/80.
- Attended Workshop of Council of Academic Deans, Taos, New Mexico, 8/18-19/80.
- Represented UNM at annual meeting of Council of Graduate Schools of the U.S., Las Vegas, Nevada, 12/3-5/80.
- Brecht, Mark Allan--Presented paper entitled, "Understanding Face-to-face Meetings: Prerequisite for Teleconferencing System Design," at the 9th International Symposium on Human Factors in Telecommunications Red Bank, New Jersey, September 1980. (My presentation was among three selected to be teleconferenced live to more than four hundred additional participants at 22 remote sites worldwide.)
- Presented interactive presentation entitled, "Tactile Directories of Building Interiors as Orienting and Way-finding Aids for the Visually Impaired: A Prototype," at the 24th Annual Meeting of the Human Factors Society, Los Angeles, October 1980.
- Submitted paper entitled, "Design and Evaluation of a Tactile Building Directory for the Visually Handicapped," to the Environmental Design Research Association (EDRA) conference to be held April 1981. The paper summarizes the NSF-sponsored evaluation of the New Mexico Union

6. Activities in learned and professional societies (cont.)

- Elected to editorship of the Bulletin, a national professional publication of the Human Factors Society, effective January 1981.
- Recommended to Subcommittee 29, Working Group 3 of the Society of Automotive Engineers as one of two human factors specialists from the academic community who will review new human factors guidelines for the manufacture of underground coal mining machinery.
- Delaney, Harold D.--The difference between ANOVA of residuals and ANCOVA. Presented to the American Educational Research Association, Boston, Massachusetts, April, 1980 (with Scott Maxwell).
- On using analysis of covariance in repeated measures designs. Presented to the American Statistical Association, Houston, Texas, August, 1980 (with Scott Maxwell).
- An exploration of the verbal encodability hypothesis for sex differences in the Digit-Symbol (Symbol-Digit) test. Presented to the Rocky Mountain Psychological Association, Tucson, Arizona, April, 1980 (with Ralph Norman and Dorothy Miller. Ralph Norman, Presenter).
- The modeling and optimization of text comprehension. Presented to the American Educational Research Association, Boston, Massachusetts, April 1980 (with Sherman Tyler and Mark Kinnucan. Sherman Tyler, Presenter).
- Dougher, Michael J.--Attended meeting of the Eastern Psychological Association in Hartford, Connecticut in March, 1980.
- Ellis, Henry C.--Attended joint meeting of the Executive Board of the National Council of Graduate Departments of Psychology and Officers of the American Psychological Association, Washington, D.C., March, 1980.
- Attended meetings of the Education and Training Board of the American Psychological Association, Washington, D.C., February and November, 1980.
- Attended annual convention of the National Council of Graduate Departments of Psychology, and chaired Workshop for New Chairs, Orlando, Florida, February, 1980.
- Attended meeting of the Rocky Mountain Psychological Association, Tucson, Arizona, April, 1980. Chaired symposium on Human Learning, Memory, and Cognition. Presented paper on Theoretical Interpretations of Cognitive Effects in Memory.
- Attended meeting of the American Psychological Association, Montreal, Canada, September, 1980.
- Attended meeting of the National Council of Graduate Departments of Psychology, Montreal, Canada, September, 1980.
- Attended NIE Conference on Experimental Learning, Washington, D.C., October, 1980.
- Attended meeting of the Psychonomics Society, St. Louis, November, 1980. Presented paper entitled "Mood States and Memory."
- Elected member of the Council of Representatives (governing board) of the American Psychological Association, 1980-1981.
- Past Chairman, National Council of Graduate Departments of Psychology, 1979-1981.
- Member, Executive Board, National Council of Graduate Departments of Psychology, 1976-1981.

6. Activities in learned and professional societies (cont.)

- Elected member of the Education and Training Board, American Psychological Association, 1981-1984.
 Liaison Member, Education and Training Board, American Psychological Association, 1977-1980.
 Consultant, National Institute of Mental Health, 1978-..
 Consultant, American Psychological Association, Clinical Training Site Visitor Program, 1978-..
 Consultant, National Institute of Education, 1980.
 Appointed Member, Committee on Graduate Education, American Psychological Association, 1981-
 Member, Ad Hoc Committee to review Graduate Training in Psychology, American Psychological Association, 1978-..
 Chairman, Membership Committee, Division of Experimental Psychology, American Psychological Association, 1980-1981.
 Feeney, Dennis M.--Feeney, D. M. & Hovda, D. A. Restoration of tactile placing by amphetamine after motor cortex lesions. Southwestern & Rocky Mountain AAAS, Las Vegas, Nevada, April 1980.
 Ferraro, Douglas P.--President: Psychology Section, Southwestern and Rocky Mountain Division, American Association for the Advancement of Science.
 Council Member: Southwestern Psychological Association.
 Past President: University of New Mexico, Sigma Xi, The Scientific Research Society.
 Committee Member: National Drug Abuse Council Task Force on Marihuana; Drug Abuse Clinical, Behavioral and Psychosocial Research Review Committee of the National Institute on Drug Abuse; and Special Review Panel, U.S. Department of Health and Social Services.
 Review Consultant: National Institute on Drug Abuse; National Institute of Mental Health; and National Science Foundation, Animal Resources Board, Division of Research Resources.
 Journal Editing/Review: Psychopharmacology; The Journal of Pharmacology and Experimental Therapeutics; Pharmacology, Biochemistry and Behavior; Animal Learning and Behavior (guest reviewer); and Science (guest reviewer).
 Participant and Session Chair, Southwestern and Rocky Mountain Division Meetings, AAAS, Las Vegas.
 Participant and Council Member, Southwestern Psychological Association, Oklahoma City.
 Friden, Thomas P.--Meeting of the operations committee, VA cooperative study on Aphasia, in San Antonio, May, 1980.
 Meeting of the operations committee, VA cooperative study on Aphasia, in Baltimore, Oct., 1980.
 Gluck, John P.--Conference: Stress, Cancer, and Counseling. Dallas, Texas. November, 1980.
 Gordon, William C.--Attended Rocky Mountain Psychological Association Convention, April 1980, Tucson.
 Attended Psychonomic Society Convention, November, 1980, St. Louis.

6. Activities in learned and professional societies (cont.)

Grice, G. Robert--President of Division of Experimental Psychology, American Psychological Association.

Delivered presidential address at September meeting in Montreal: "Human Reaction Time: Toward a General Theory."

Gave paper at November Meeting of Psychonomic Society in St. Louis: "Speed-Accuracy Tradeoff: The Role of Criterion Variability."

Retired as Chairman of Psychonomic Society Publications Committee, May, 1980.

Harris, Richard J.--Harris, R. J. Editorial policies: A barrier to correcting mistakes? In 8th Annual Users' Workshop of SW-SMEP (Southwestern Division, Society for Multivariate Experimental Psychology).

Southwestern Psychological Association meetings, Oklahoma City, April, 1980.

Harris, R. J. A little linearity makes the logic O.K.--and fits data. In W. Samuel (Chair), Equity: What's fair and who says so? Meetings of American Psychological Association, Montreal, September 2, 1980.

Served as chair of student paper competition for SW-SMEP. Served as New Mexico member of SWPA membership committee. Invited by program chair to present address on topic of my choosing at 1981 SWPA meetings.

Hodge, Gordon K.--Secretary: Psychological Sciences Section, Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science.

Continuing Member of: Society for Neuroscience; Biofeedback Society of New Mexico; Biofeedback Society of America; American Association for the Advancement of Science; New York Academy of Sciences.

Accepted as Member of American Psychological Association.

Hodge, G. K., & Collatz, F. A. Efficacy of EMG biofeedback training in improving examination performance of test anxious college students. Poster presented at the Eleventh Annual Meeting of the Biofeedback Society of America, Colorado Springs, Colorado, March 1980.

Linn, R. T., & Hodge, G. K. Use of EMG biofeedback training in increasing attention span and internalizing locus of control in hyperactive children. Poster presented at the Eleventh Annual Meeting of the Biofeedback Society of America, Colorado Springs, Colorado, March 1980.

Linn, R. T., Giomi, T. A., & Hodge, G. K. The effects of EMG biofeedback upon the attention span and locus of control in hyperactive children. Paper presented at the Fifty-Sixth Annual Meeting of the Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science, Las Vegas, Nevada, April 1980.

Hodge, G. K. Apomorphine, d-amphetamine and methylphenidate differentially affect activity of rats with A10 lesions. Poster presented at the Sixty-Fourth Annual Meeting of the Federation of American Societies for Experimental Biology, Anaheim, California, April 1980.

Hodge, G. K., & Butcher, L. L. Pharmacological evidence that locomotor activity is regulated differentially by the nigrostriatal and mesolimbic dopamine systems. Abstract to the Twelfth Congress of the Collegium Internationale Neuro-Pharmacologicum, Göteborg, Sweden, June 1980.

6. Activities in learned and professional societies (cont.)

Johnson, Peder J.--Perceptual components of reading ability in adults.
Martinez, J., & Johnson, P.

Paper presented at Psychonomic Society Meeting, November 1980,
St. Louis, Missouri.

Logan, Frank A.--Presentations at Society of Experimental Psychologists
and Psychonomics Society.

Elected to Council of Representatives, APA, by Division 3 (Experimental)
Miller, William Richard--Annual meeting, Humanistic Behavior Therapy Assn.
Las Vegas, 3/27-29/1980, Invited Address.

Newman, Jean E.--Attended Psychonomic Society meeting. St. Louis, Nov. 13-14
1980.

O'Grady, Kevin E.--Attended annual meeting of the Eastern Psychological
Association, Hartford, CT., April 1980.

Padilla, Eligio R.--American Psychological Association Minority Fellowship
Program Advisory Committee.

Ritchey, Gary H.--Elected member: Society for Research in Child Development
Submitted two papers for presentation at the 1981 society meetings.

Rosenblum, Sidney--Workshop: "Early Signs of Autism in Children."
Maternal and Infant Health Project, UNM, January 30, 1980.

Workshop: "Clinical Interpretation of the Stanford-Binet."

Area North Diagnosticians, Albuquerque Public Schools, February 25, 1980.

Paper Presentation: "Issues in Professional Psychology." New Mexico
Psychological Association, May 10, 1980.

Workshop: "The Psychological Needs of Special Children." Sandoval
County Head Start, September 2, 1980.

Workshop: "Identifying Special Problems of Preschool Children."

Paper Presentation: "Advances in Cognitive Assessment: Progress and
Problems." Educational Diagnosticians Workshop, Albuquerque
Public Schools, December 17, 1980.

Workshop: "Preparing Individual Educational Programs for Handicapped
Head Start Children." Los Lunas County Head Start, October 22, 1980.

Ruebush, Britton K.--Attended Annual Meeting & Chaired Workshop on
Family Therapy, Psychiatric Outpatient Centers of America,
Toronto, Canada, June 5-7, 1980.

Member Board of Directors, P.O.C.A. Attended Board of Directors Meeting,
Philadelphia, Dec. 5-6, 1980.

Coordinator, International Year of the Child Conference on Children and
Social Policy. April 24-26, Albuquerque.

Member, Advisory Council, National Commission on the International Year
of the Child, Washington, D.C.

Member, Editorial Committee, POCA PRESS.

7. Other professional activities

Brechl, Mark Allan--Presented colloquium entitled, "Design for human use
and Misuse," to the Engineering Student Honor Society, University
of New Mexico, Albuquerque, April 1980.

Human factors consulting and expert testimony on product liability
to Smith, Ransom and Gilstrap Law Offices, Albuquerque, NM.

7. Other professional activities (cont.)

- Human factors consulting on workplace and office design to Albuquerque National Bank, Albuquerque, NM.
 Associate Editor, Human Factors Society Bulletin.
 Guest reviewer, JSAS Catalog of Selected Documents in Psychology.
 Reviewer, Brooks-Cole Publishing Co.
 Reviewer, John Wiley & Sons, Inc. Publishers.
- Delaney, Harold D.--Reviewer: Journal of Educational Psychology; Journal of Educational Statistics; JSAS Catalog of Selected Documents in Psychology.
- Consultant, Research & Demonstration Project: Psychiatric Treatment of Chicano Patients, Colorado State Hospital, Pueblo, Colorado.
- Dougher, Michael J.--Reviewer for the Journal of Abnormal Psychology.
- Ellis, Henry C.--Invited Colloquia: Florida Institute of Technology, February, 1980.
- Site Visitor, University of Utah, Salt Lake City, May, 1980. Evaluated the Clinical Psychology Training Program for the American Psychological Association.
- Member, Editorial Board: Human Experimental Psychology Editor, Journal Supplement Abstract Services, 1978-; Perceptual and Motor Skills, 1963-; Psychology Reports, 1963-; and Occasional Reviewer, Journal of Experimental Psychology: Human Memory and Learning.
- Consultancies: New Mexico District Attorney's Office; and University of Oklahoma.
- Ferraro, Douglas P.--Adjunct Professor, Union for Experimenting Universities; Forensic Psychopharmacology Witness: New Mexico Public Defender's Office, District Attorney's Office.
- Consultant: Veterans' Administration Hospital; Albuquerque Public Schools; National Institute on Drug Abuse; Animal Resources Board, Department of Health and Welfare; and Navajo Teacher Development Project.
- Friden, Thomas P.--Reviewer for JSAS Catalog of Selected Documents in Psychology.
- Gluck, John P.--Consultant: Rio Grande Zoo.
 TV appearance: Psychological factors in the overweight. February, 1980, KGGM.
- Goetz, Therese E.--Invited speaker on the socialization of achievement orientation in woman, Professional Organization for Women, August 1980.
- Invited speaker on "Myths, Roles and Stereotypes" for the Third Annual Governor's Conference for Women in State Government, November 1980.
- Consultant to Management Development Center, UNM. Workshops and interpretation of data on organizational behavior.
- Consultant to NM Network for Women in Science and Engineering, evaluation of statewide conferences on expanding career options for women.
- Gordon, William C.--Presented paper: Mowrer, R. R. and Gordon, W. C. Extinction as a reminder treatment following ECS. Presented by Mowrer at meetings of AAAS, Las Vegas, Nevada, April, 1980.
- Gordon, W. C. Mechanisms underlying cue-induced retention enhancement. Presented at Binghamton Symposium on Memory Mechanisms in Animal Behavior, Binghamton, N.Y., June, 1980.
- Journal Article Reviews for: Science; Animal Learning and Behavior; Learning and Motivation; and American Journal of Psychology.
- Grant Reviews for National Science Foundation.

7. Other professional activities (cont.)

- Harris, Richard J.--Joined editorial board of Social Psychology Quarterly.
 Refereed three papers for SPQ.
 Agreed to continue as member of editorial board of Journal of Experimental Social Psychology under new editorship. Refereed nine papers for JESP.
 Appointed consulting editor for Journal of Personality and Social Psychology under new editor. Refereed ten papers for JESP.
 Continued as consulting editor for Journal of General Psychology.
 Refereed two papers for JGP.
 Continued as consulting editor for Journal of Clinical Multivariate Experimental Psychology. Refereed two papers for JCMEP.
 Served as ad hoc reviewer for five Journal Supplement Abstract Service manuscripts, two Psychological Review manuscripts, two Psychometrika manuscripts, one Psychological Bulletin manuscript.
 Served as peer reviewer for three National Science Foundation grant proposals.
 Presented colloquium on equity research at UTEP, March 21, 1980.
 Served as referee of application for promotion to full professor, University of Ottawa, Canada.
 Consulted with New Mexico Public Defenders Office on studies of the representativeness of Bernalillo County jury pool and of attitudes of Albuquerque residents towards the death penalty.
- Hodge, Gordon K.--Hodge, G. K., & Collatz, F. A. Efficacy of EMG bio-feedback training in improving examination performance of test anxious college students.
 Adapted by G. D. Fuller for his book Projects in biofeedback: A text/workbook. San Francisco: Biofeedback Institute Press, 1980. (Used as an example of how an experiment should be written up.)
- Hodge, G. K. EMG biofeedback training improves attention span and self-esteem in hyperactive children. Talk given at the Child Guidance Center, Albuquerque, April 1980.
- Hodge, G. K. Recreational drugs. Talk given at the Shriners Ballut Abiad Caravan Club, Albuquerque, April 1980.
- Hodge, G. K. Childhood Hyperkinesis. Talk given at Parents Without Children, Inc., Albuquerque, June 1980.
- Johnson, Peder J.--Regular Editor: Journal of Experimental Psychology: Human Learning and Memory.
 Invited Colloquia: Attentional Demands of Letter Encoding, New Mexico State University, April 1980.
- Logan, Frank A.--Colloquia, Australian National University and University of Sydney.
 Keynote Address, Australian Psychological Society.
- Miller, William Richard--Consultation to: Adult Probation Department on evaluation of problem drinkers.
 TV appearances on Channels 4, 7, 13 and on several radio stations.
 District III Health Systems Agency, Alcohol Legislative Task Force.
 Inservice training to BCMHC, Heights Sustained Contact Team.
 Talk to Albuquerque Ministerial Alliance.
 Invited Workshop, Addiction Research Foundation, Toronto, Ontario.
 Consultation to Presbyterian Hospital, Outpatient Cardiovascular Rehabilitation Program.
 Course on "Practical Psychology for Pastoral Counselors" at Ghost Ranch.

.. Other professional activities (cont.)

- Consultation on training candidate effectiveness, Bernalillo County Republican Party.
- Invited address at Southern Oregon Institute on Alcohol Studies.
- Managing Partner for group practice, Behavior Therapy Associates.
- Editorial Consultancies: Addictive Behaviors, guest editor for special edition; Journal of Studies on Alcohol, referee; Journal of Consulting and Clinical Psychology, referee; Journal of Abnormal Psychology, referee; and Science, referee.
- Benjamin/Cummings Publishing Co., consultant; Mayfield Publishing Co., consultant; and Prentice-Hall, consultant.
- Forensic Consultation: N.M. State Public Defender; Bernalillo County District Attorney; and U.S. Public Defender.
- O'Grady, Kevin E.--Invited Colloquium: "Psychological tests used in research," COMREC, V.A. Medical Center, 4 December 1980.
- Padilla, Eligio R.--Research consultant to the Indian Health Service and Laguna Pueblo, Colorado State Hospital and the American Guidance Service.
- Rhodes, John M.--Consultant in Neuropsychology and Psychotherapy.
- Roll, Samuel--Presentations at the Instituto de Salud Mental in Monterrey, Mexico.
- Presentations for the Secretaria de Educacion Especial in Mexico City.
- Benefit workshop on Child Care for the UNM Child Care Center.
- Development of Parental Attachment Test.
- Rosenblum, Sidney--Professional Advisory Board, Children's Psychiatric Center, UNM.
- Preceptor, Department of Psychiatry, School of Medicine, UNM.
- Mental Health Consultant, Head Start Programs of Bernalillo and Sandoval Counties.
- Director, Diagnostic Team, Handicapped Component, EOB Head Start Consultant, Albuquerque Public Schools.
- Editorial Consultant: Random House, Prentice Hall, Brooks/Cole, Holt, Rinehart and Winston.
- Invited Speaker to local and state parent-teacher and other professional and social service groups: nine presentations.
- Examiner, New Mexico Board of Psychologist Examiners.
- Ruebush, Britton, K.--Off campus talks: Normal Adolescence, A.P.S. Middle School Counselors Meeting, 1-9;
- Professional and Ethical Issues in Counseling, High School Counselors Meeting; 2-20;
- Brief Psychotherapies, High School Counselors, 5-21.
- D.S.M. III, High School Counselors, 11-12.
- Child Guidance Center Services. Off-campus talk at the Sandia Laboratories Corp. 10-6.
- Gave a number of other off-campus talks to groups of parents and teachers during the year.
- Consultant, National Evaluation of Child and Sexual Abuse Programs, Berkeley Planning Associates, Berkeley, California.

8. Non-teaching University service.

Benedetti, David T.--Associate Dean of Graduate Studies, 2/3 time, spring semester, 1980; full time May 19 - July 11, August 11-15, 1980.

Acting Dean of Graduate Studies, fall semester, 1980.

Member, ex officio, Faculty Senate Graduate Committee.

Member, ex officio, College of Arts & Sciences Graduate Committee.

Member, ex officio, College of Engineering Graduate Committee.

Member, Academic Calendar Advisory Committee.

Member, Early and Mandatory Retirement Steering Committee.

Member, Selection Committee for Outstanding Graduate and Undergraduate Teacher of the Year Awards.

Member, Psychology Department Committees; Graduate Admissions; Clinical; Faculty Evaluation; and Minorities.

Brecht, Mark Allan--Served on four departmental committees, chaired one.

Advisor to Senior Honors theses: Kim Hedrick - "Evaluation of Resume Information as Affected by Evaluator Sex, Applicant Sex, and Job Type," 1979-1980; and William Barbre - "Performance Effects of Qualitatively Different Illumination," 1980-1981.

Doctoral Dissertation Advisor to Glenn Miller, Physical Education Department, 1979-1980.

Doctoral Dissertation Committee Member for Bertha Melgoza, 1980.

Delaney, Harold D.--Arts & Sciences Human Subjects Review Committee; and

Freshman Orientation, Office of School Relations, August, 1980.

Departmental Committees: Graduate General-Experimental and Methodology Committee (Chair); Learning Committee; Financial Aid Committee; and Computer Facilities Committee.

Chairman of Thesis Committee for Rick Graber.

Chairman of Dissertation Committee for Douglas Taylor.

Member of Thesis Committee for: Joseph Boroughs, Evelyn Canham, Luann Ellis, and Whitney Sunderland.

Member of Dissertation Committee for: Thomas Boyd, Mark Kinnucan, Ricardo Martinez, Marvin McCallum, Michael Rodriguez, and John Schnizlein.

Faculty Advisor for Inter-Varsity Christian Fellowship.

Dougher, Michael J.--Currently sitting on Master's Thesis and

Doctoral Dissertation Committees for four psychology graduate students.

Ellis, Henry C.--Chairman, Psychology Department.

Faculty Senate (through May, 1980).

University Affirmative Action Committee.

Provost's Committee on Gerontology.

Various departmental committees.

Chaired two dissertation committees.

Chaired four master's thesis committees.

Chaired one senior honor's project.

Feeney, Dennis M.--Supervision of dissertation of T. Hall on Psychological Stress and Immune Function.

Member of UNM Affirmative Action Subcommittee on the Handicapped.

Ferraro, Douglas P.--Faculty Advising: Returning Students Association;

Chair, M.A. Thesis Students - Wendy Law, and Maryjean Mariano;

Chair, Ph.D. Dissertation Students - Samuel Charlton, Sam Leigland, and William Howard.

8. Non-teaching University service.

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- University Committees: Faculty Senator at Large; Research Policy Committee Member; Faculty Senate Special Library Task Force Member; Arts and Science Promotion Committee Member; and Committee Member on Research Budget and Overhead.
- Department Committees: Introductory Psychology; Financial Aid; Graduate Learning; Psychobiology; and Equipment and Facilities.
- Friden, Thomas P.--Chairman of Mark Kinnucan's dissertation committee. Member of the Research Allocations Committee.
- Department Committees: Statistics (chair); Undergraduate Advisement; Graduate Admissions (chair); General Experimental and Methodology; Financial Aid; Equipment; and Computer Facilities.
- Gluck, John P.--Mental Health Team - Student Health Center (32 Hours/month).
Director: Department of Psychology Animal Research Facility.
- Goetz, Therese E.--Active participation in University Outreach Program. University Committee on Human Subjects.
- Department Committees for graduate study in General Experimental and Methodology, Developmental, and Learning.
- Department Committees on Human Subjects and Minorities.
- Department Search Committee to review candidates for positions in developmental psychology.
- Doctoral Dissertation Committees: Tina Muehlenweg (chair, completed); Joan Riedle (chair); James Allender; Richard Baker; Lloyd Crawford; Bertha Melgoza (completed); Gale Sutton (completed); Ricardo Gonzales; Virginia Malone; and Elizabeth Clark (completed).
- Master's thesis committees: Mary Johnson (chair); John Salinas; and Joseph Burroughs.
- Honor's theses, major advisor to: Mary Gutierrez (completed Spring 1980); and Diann Warren (completed Spring 1980).
- Oral comprehensive exams: Susan Becker; Susan Kent; Sara Officer; and Chuck Quincy.
- Gordon, William C.--Departmental Committees: Chairman, Introductory Psychology Committee; Graduate Learning Committee; Graduate Psychobiology Committee; Animal Facilities Committee; Faculty Evaluation Committee; Ad Hoc Committee to Study Human Subject Use; and Undergraduate Honors Committee.
- Student Committees: Ellen Edwards - Honors thesis supervisor; Maggie Wittrup - Honors thesis supervisor; Marvin McCallum - PhD. Dissertation Committee; Sam Leigland - PhD. Dissertation Committee; Sam Charlton - PhD Dissertation Committee; Tom Hall - PhD Dissertation Committee; Ken Leight - MA Thesis Committee; and Robert Mowrer - MA Thesis Committee.
- Grice, G. Robert--Departmental committees: Learning, Graduate Curriculum, Cologium, Equipment, Faculty Evaluation.
- Harris, Richard J.--Served as chair of Rob Colby's Masters thesis (The Effects of Sex, Locus of Control, Sensation Seeking, and Instructional Set on Risk-Taking Style), May, 1980.
- Continuing as Chair or Co-Chair of Masters Thesis Committees for Joe Borroughs, and John Salinas.
- Continuing as Co-Chair of Ph.D. Dissertation Committee for Vega Lalire.
- Hodge, Gordon K.--Undergraduate Academic Affairs Committee--Appointed Chairman by Operations Committee of the Faculty Senate (May to October 1980);--Interviewed NROTC Instructor Candidate Lt. G. Donadio (December 1980).
- Faculty Senate Basic Skills Evaluation Committee.
- Faculty Senate Administrative and Academic Unit Review Committee.

8. Non-teaching University service (cont.)

- Service on Departmental Committees: Introductory Psychology; General Experimental and Methodology; Psychobiology; Graduate Curriculum; Animal Facilities; Surgery; and Shop.
- Participated in the Second Annual UNM Recruitment Calling Campaign; Office of School Relations, February 1980. Presidential Recognition Award.
- Assisted with the Psychology Department's exhibit at the Northwestern New Mexico Science Fair, March 1980.
- Provided information to students at the Psychology Department's table at the UNM Career Fair, April 1980.
- Provided information to students at the Psychology Department's table during UNM's Senior Day, November 1980.
- Served as acting student adviser for the Psychology Department, Summer session, 1980.
- Student supervision and thesis committees: Chairman of Richard Linn's M.A. Committee; Chairman of Michael Boyeson's M.A. Committee; Member of Wendy Law's and Whitney Sunderland's M.A. Committees; and Sponsored Margo Boring's Senior Honors Thesis.
- Johnson, Peder J.--Dissertations Chaired: Stricken Trial Evidence and the Jury. Gale Sutton, 1980; Perceptual and Short Term Memory Processing Determinants of Reading. Joseph Martinez, 1980; and Training of Formal Operational Thought in Gifted Children. Gail Beam, in progress.
- Theses Chaired: Encoding differences as a function of Familiarity of Rate versus Automaticity. John Forester, 1980; and Variable Criterion Theory in Letter Identification Performance as a Predictor of Reading Proficiency. Roberta Calderwood, in progress.
- Logan, Frank A.--Semester II, 1979-80 only: Research Policy Committee; A & S Graduate Committee; A & S Promotion Committee; A & S Tenure Committee; various departmental committees.
- Miller, William Richard--Inservice training; UNM School of Medicine interns, BCMHC Alcoholism Division, and UNM Law School.
- Faculty advisor for undergraduates, Psychology Department. Senior Day 1980.
- Inservice training: UNM School of Medicine, medical interns; UNM Department of Psychiatry, research workshop; UNM School of Law, workshop for judges on alternative sentencing; Programs for Children: workshop on teenage alcoholism; BCMHC Alcoholism Division: research presentation.
- UNM Alcohol Awareness Task Force, member, presented special workshop.
- UNM School of Medicine, presentation in First Annual Alcoholism Forum.
- Chaired Dissertation Committees: Boyd, Saucedo, Maginn, Crawford, Schmidt, Rodriguez, Mascolo, Wolff, and Franklin.
- Chaired Theses Committees: Wolff, Sunderland and Buck.
- Chaired Honors Thesis: DiPilato.
- UNM/SURP Biomedical Research Support Grant review committee.
- UNM Human Research Review Committee.
- Psychology Department Committees: Clinical, Undergraduate Advisement, and Trailers.
- Planning 1981 international conference with Office of Conferences and Institutes.
- UNM Department of Guidance and Counseling: Panel on Psychotherapy and Religion.

Non-teaching University service (cont.)

Newman, Jean E.--Appointed: Associated Faculty, Department of Linguistics, UNM; and Graduate Committee, Programme in Educational Linguistics, UNM.

Dissertation Committee: Lawrence Allen.

Thesis Committee: Roberta Calderwood, and Debbie Harrington.

O'Grady, Kevin E.-- presently serves on one thesis and one dissertation committee.

Padilla, Eligio R.--Various departmental committees, including the chair of the committee concerned with minority student recruitment.

Advisor and dissertation chairman for Eugenio Galindro.

Committee member for several students from psychology and education.

Search committee for SHRI director.

Rhodes, John M.--Member Arts & Sciences Graduate Committee.

Member Departmental Committees.

Ritchey, Gary H.--Service on faculty search committee as well as five other department committees.

Chair, dissertation committee, for Lawrence Allen III.

Member, dissertation committee, for Mark Kinnucan.

Member, committee on studies, for Antonio Goncalves.

Member, committee on studies, for Judith Busch.

Director, senior honors project, Elizabeth Armstrong.

Roll, Samuel--Membership on Departmental Committees (chair of library committee).

Chair of three doctoral dissertation committees.

Member of Personnel Grievance Committee.

Faculty sponsor of AGORA.

Rosenblum, Sidney--Assistant Chairman, Department of Psychology.

Director of Clinical Training, Department of Psychology.

Chairman, Financial Aid Committee, Department of Psychology.

Admissions, Department of Psychology.

Committee of Five, UNM Faculty.

Athletic Council.

Search Committee, Children's Psychiatric Center.

Member, dissertation committee for Teresa Makowski, Charlene McIver,

Christine Meuhlenweg, Michael Schmidt, and Timothy Strongin.

Member, thesis committee for Robert Colby, James Franklin, and

Richard Linn.

Ruebush, Britton K.--Executive Director, Albuquerque Child Guidance Center.

Chairman of one Ph.D. Dissertation Committee.

Member of three Dissertation Committees.

Department of Psychiatry Committees served on: Chairman's Advisory Committee; Division of Child & Adolescent Psychiatry; and Standing Search Committee.

Department of Psychology Committees served on: Clinical Psychology Committee; Faculty Evaluation Committee; and Developmental Psychology Committee.

9. Public Service

Brecht, Mark Allan--Vice President, Board of Directors, Villa de Paz Homeowners Association.

Delaney, Harold D.--Radio interview on KLYT and talks to various Christian groups re: world hunger.

Ellis, Henry C.--Sponsor, New Mexico Symphony.

9. Public Service (cont.)

Ferraro, Douglas P.--New Mexico Heart Foundation, Laluz Board of Directors.

Gordon, William C.--Served on the Ad Hoc Community Committee to study the move of Carrie Tingley Hospital to Albuquerque.

Grice, G. Robert--Departmental committees: learning, graduate curriculum, colloquium, equipment, faculty evaluation.

Harris, Richard J.--Block representative, Heart Association fund raising drive.

Race chair, 1980 New Mexico TAC 15-Kilometer Championships.

Miller, William Richard--Chair, Advisory Board, The Counseling Center; An Interfaith Agency; also serve on Executive Committee and Personnel Committee.

St. Andrew United Presbyterian Church: Choir member, tenor soloist; Planned adult education series; and Sermon and several education presentations.

Roll, Samuel--Presentation of about 12 public lectures for community groups (e.g. fraternal organizations, church groups, PTS's).

Ruebush, Britton K.--Member United Way Executives Committee.

Member, Board of Directors, Southwest Broadway Youth Development Program.

10. Personal Information

Delaney, Harold D.--Our second child, Sarah Kathleen Delaney, was born February 2, 1980.

Ferraro, Douglas P.--Training to run first marathon in Phoenix next December.

Goetz, Therese E.--First child, baby girl, born January 29, 1981.

Harris, Richard J.--Set PR in marathon (2:53:10) at Fiesta Bowl Marathon, 12/6/80.

First place in age group at Clovis Marathon, New Mexico TAC 10-mile Championships; UNM Turkey Trot.

Second place in age group at Amarillo Funfest Marathon;

Third place at Tour of Albuquerque Marathon and Palo Duro Canyon Marathon.

THE REPORT OF THE DEPARTMENT OF SOCIOLOGY
July, 1980 to June 30, 1981
Pedro R. David, Chairman

I. GENERAL DEPARTMENTAL INFORMATION

The 1980-81 academic year was a year of continued growth for the Sociology Department at both the undergraduate and graduate levels. The graduate program reached an all-time high of enrollments, with nearly forty students, active and inactive, remaining in the MA and PhD degree options. Undergraduate enrollments remained very strong at the lower division, while majors and minors began to show a significant increase.

With respect to personnel, however, the year was one of considerable transition. Professor Melvin DeFleur resigned effective at the end of the fall semester to take the position of Chairman at the University of Miami Sociology Department. Professor Frieda Gehlen resigned at the end of the academic year to join her family in the Los Angeles area. Professor Merx accepted the position of Director of the Latin American Institute, which removed him from the Sociology Department 3/4 time. Professor Nelson P. Valdés accepted the position of Associate Director for Academic Programs of the Latin American Institute which removed him from the Sociology Department 1/2 time. Only one regular faculty position was filled, with Professor Susan Tiano of Michigan State University. Other unfilled positions remained open at the end of the academic year, although they were ably occupied on a temporary basis by Visiting Lecturers Estevan Flores, Johanna Major, and Uri Mendelberg. Considerable effort was expended in recruitment for a senior position, and prospects are good for the position to be filled by the end of the coming academic year.

Professor George Huaco served as Acting Chairman of the Department, Summer of 1980, while Dr. Pedro David was in New York City in his capacity as Chief Adviser to the Branch of Crime Prevention of the United Nations.

Colloquia were held monthly until late Spring. Presentations were made by Dr. Theodore Abel (Emeritus), Professor Gilbert Merx, Professor Patrick McNamara, and Visiting Lecturer Estevan Flores. A guest presentation was made by Professor Phillip S. Katz from the Department of Public Health, Commonwealth of Massachusetts, Boston, Massachusetts.

Recruitment

A national search conducted according to EEO rules resulted in the hiring of Professor Susan Tiano of the Department of Social Sciences of Michigan State University in East Lansing to fill a three-year junior position beginning in Fall, 1981. Professor Peter Evans of Brown University has agreed to come to our campus as a Visiting Associate Professor for the Spring, 1982 term. Post-doctoral Lecturer Uri Mendelberg and Professor Johanna Major were given academic year positions (81-82) with the Department. Visiting Lecturer Estevan Flores taught our Chicano courses (Soc. 326 and 216).

Curriculum

Chairman of the Curriculum Richard Coughlin directed the revision of the sequence of graduate courses in theory. There was also considerable consultation with the Graduate Committee in order to develop long range plans for the graduate curriculum. A recommendation was made for the inclusion of "Sociology of the Mexican-American Peoples" in the curriculum. Finally, there was discussion of the revision of the undergraduate methods sequence.

Resignations

Professor Melvin DeFleur resigned to take a position at the University of Miami, Coral Gables, Florida in December, 1980. Associate Professor Frieda Gehlen resigned in May, 1981 and is moving to California.

Graduate Enrollment

We have 32 graduate students enrolled in the Department. Their progress is as follows: Joann Weiss passed her oral comprehensive examinations for the PhD and both she and Tomas Atencio are writing their doctoral dissertation. Sandra Weber, and Sandra Tyler both passed the first area of their written doctoral comprehensive exams; Ms. Weber passed with distinction. Barbara Reed and Nancy VanWinkle both passed their Master examinations with distinction. NIMH Grantees with Director Philip May and Associate Director Pedro David attended a seminar in Santa Fe from May 20 to May 22, 1981 to acquaint them with the various segments of the criminal justice system in

New Mexico. The NIMH Trainees are: Stephanie Amadeo, Cynthia Leyba, Tessie Naranjo, Sandra Tyler, Guillermo Grenier, Barbara Reed, Steve LaBoueff, Nancy Van Winkle, Carol Lujan, and Norma Wilkes.

Graduate Assistantship contracts were awarded to: Katharina M. Tami, Farrell Brody, RoseMary Clark, Ruth Reidy and Gary Lemons.

Our Departmental Secretary, Jule Ensminger-Gargoura, was promoted to Staff Assistant.

Also, she was nominated by the Department for the Regents Meritorious Service Medal.

Overall, this year has been a productive one and the Department is growing in quality and numbers.

II. FACULTY ACHIEVEMENTS

Bogart, Dodd H.

Articles:

"Feedback, Feedforward, and Feedwithin: Strategic Information in Systems" BEHAVIORAL SCIENCE 25(July):237-249.

"Social Power and Liberalism-Conservatism: The Ideological Consequences of Group Position in an Inter-Group Power Hierarchy." Revised for resubmission.

"The Threat from Species 0: An Introduction to Organizational Ecology" (in progress).

With Charles Woodhouse, "An Organizational Ecological Approach to Social Change" (in progress).

Activities:

Faculty Senate, Spring 80; Vice President - AAUP, Fall 80; Curriculum Committee of Sociology Department, Undergraduate Advisor.

Coughlin, Richard H.

Books:

Ideology, Public Opinion and Welfare Policy (Berkeley: University of California Institute of International Studies;

The Conversion Factor (New York, Manor Books, 1980);

The Changing Role of the Physically Impaired in Society (contract under negotiation).

Articles:

"Methodological Issues in the Comparative Study of Social Security: Qualitative vs. Quantitative Analysis and the Appropriate Use of Data", International Review of Modern Sociology, Vol. 10, July-Dec., 1980;

"The Physically Impaired in Society: A Critique of Sociological Theory" (submitted for publication).

Research:

"Social Control Functions of Social Welfare" (in progress)

"The Sociology of Physical Impairment"; "Childhood, Old-Age and Disability: A Cross-Cultural Study of Dependency"

Grant Proposal: "The Changing Role of the Physically Impaired in Society," submitted to the Ford Foundation Program for Non-Fiction Books on Contemporary Issues (Amount: \$32,000)

Activities:

Consultant to David Norvell on the study of Lupton, AZ, on matters pertaining to U.S. vs. Johnson, et al.; Chair; Curriculum Committee; Undergraduate Advisor; Department Coordinator, United Way; "The Social Control Functions of Social Welfare Spending," paper presented to Southwest Sociological Assoc. Meetings, Dallas, TX, March 1981.

David, Pedro R.

Books:

Sociologia Juridica, December, 1980, DePalma, Buenos Aires, 288 pages.

Articles:

"Cuatrecasas como Psicologo Social" in the volume Vida, Espiritu, y Pensamiento de Juan Cuatrecasas, Levka, Buenos Aires, 1980, pp. 41-50.

"Profile of Violence in Argentina," in the volume International Terrorism, edited by Yonah Alexander, Summer 1981.

"On the Nature, Needs and Rights of Man" in the volume International Criminology and Criminal Justice edited by Leonard Hippchen and Dae H. Change, Carolina Press, Durham, NC, February 1981.

"Criminology in Argentina," chapter in the International Handbook of Contemporary Developments in Criminology, Greenwood Press, Inc., edited by Elmer Johnson, May 1981.

"A Judge, His City and His Society, Perspectives of My Life," in Trouble Children Around the World, Vol. III, New York University Press, edited by L. Stewart, March 1981.

David, continued

Research:

Finished final report on Undocumented Migration - project developed jointly with the Universidad Autonoma Ciudad Juarez, to be published in the course of this year.
Preparing United Nations Research papers on Crime, Law and Development and Juvenile Justice.

Activities:

Participant on UN Latin American Meeting on Criminal Policy, San Jose, Costa Rica, July 1980;
Chair, Latin American Panel on Crime, American Society of Criminology, San Francisco, Nov. 6, 1980;
Panelist on Comparative Criminology Roundtable, ASC Meetings, San Francisco, Nov. 6, 1980;
Chief Advisor to the UN Crime Prevention Branch, New York
Scientific Coordinator of the Sixth UN Congress on the Prevention of Crime and the Treatment of Offenders, 104 nations attended, Caracas, Venezuela, Aug. 25-Sept. 5, 1980
Lecturer, Organization of American States Seminars for Judges, Santiago, Chile, July 4, 1980;
Lecturer, Universidad Autonoma Ciudad Juarez, Juarez, Mexico, April 11, 1980;
Lecturer, Universidad Autonoma de Centro America, July 24, 1980;
Discussant, Western Social Science Association Meetings, April 24-26, 1980;
Chairperson, Rocky Mountain Council on Latin American Studies, April 3-5, 1980;
Member, New Mexico Council on Crime and Delinquency;

David, continued

Activities, continued:

Member, President's Task Force on Admissions and the General College;

Member, Advisory Board Southwest Hispanic Research Institute;

Member, Reception Committee for President Lopez Portillo;

Member, Subcommittees on Budget and Educational Exchanges, Latin American Institute.

Gehlen, Frieda L.

Articles:

"Police Strike: Public Support and Dissonance Reduction During a Strike by Police," in The Journal of Police Science and Administration, co-authored with L. Thomas Winfree (forthcoming).

Book review of: "Neo-Pentecostalism: A Sociological Assessment" by Cecil D. Bradfield in Review of Religious Research (forthcoming).

Research:

Continuing work on data collected while on sabbatical on retirement among clergy (Sept. 1979-June 1980) in the Los Angeles area.

Activities:

Attended conference on work, aging and retirement at Andrus Gerontology Center at the University of Southern California, January 1980;

Presented paper on "Police Strike: Public Support and Dissonance Reduction During a Strike by Police" at American Society of Criminology meetings, San Francisco, Nov. 1980, with L. Thomas Winfree;

Gehlen, continued

Activities, continued:

Manuscript reviewer for American Sociological Review;

Member of Executive Committee, Sociology Department;

Appointed "Visiting Associate in Sociology" at

California Institute of Technology, 1979-1980 academic year.

Huaco, George H.

Articles:

"The Kabbalah: Gnostic Myth and Archetype" submitted for publication;

Review of: "Literature and Negation" by Maire J. Kurrik, New York: Columbia University Press, 1979;

Review of: "Research in Sociology of Knowledge, Sciences and Art, Volume 2", Robert A. Jones and Henrika Kuklick (eds.), Greenwich, CT: JAI Press, Current Sociology, May 1981;

Review of: "The Devil and Commodity Fetishism in South America" by Michael Taussig, Chapel Hill, NC: University of North Carolina Press, 1980, Hispanic American Historical Review.

Activities:

Presented paper, "On the Kabbalah and Gnosticism" to the Philosophy Club, UNM, November 1980;

Member of the Curriculum Committee, Sociology Department.

LaFree, Gary D.

Articles:

"Variables Affecting Guilty Pleas and Convictions in Rape Cases: Toward a Social Theory of Rape Processing," Social Forces 58(March, 1980):833-850;

LaFree, continued.

"The Effect of Sexual Stratification by Race on Official Reactions to Rape," American Sociological Review 45 (October, 1980):842-854;

"Establishing Criteria for Grading Student Papers: Moving Beyond Mysticism," American Sociological Review Teaching Newsletter (June, 1980):4-7;

"Official Reactions to Social Problems: A Case Study of Police Decisions in Sexual Assault Cases," Social Problems (forthcoming, 1981);

Review of: "Understanding the Rape Victim" by S. Katz and M. Mazur, in Journal of Marriage and the Family (May, 1980):452-454.

Articles under Review or in Draft Form:

"Male Power and Female Victimization: Toward a Theory of Interracial Rape" (under review);

"Sexual Politics in Court: The Prosecution of Sexual Assaults and Other Felonies", with Martha Myers (under review);

"Determinants of Jurors' Verdicts in Sexual Assault Jury Trials" with Barbara Reskin, (in draft copy);

"Adversarial and Nonadversarial Justice: Determinants of Guilty Pleas and Verdicts in Six U.S. Cities," (in draft copy).

Grants:

National Institute of Mental Health, \$220,000, "Structural Analysis of Jurors' Verdicts in Rape Trials" with Barbara Reskin, 1978-1980;

LaFree, continued

Grants, continued:

National Institute of Justice, \$125,000, "Algebraic Evaluations of Criminal Processing" with Charles Ragin, (under review).

Activities:

American Sociological Association Convention, New York, 1980, presented paper on "The Effect of Race on Criminal Processing in Rape Cases: New Evidence from a Longitudinal Study";

Pacific Sociological Association Convention, San Francisco 1980, presented paper on "Assessing Official Reactions to Rape: A Multivariate Analysis of the Police Response";

Served as a Referee for Social Forces, Social Problems, and Deviant Behavior;

Presented keynote address for the annual New Mexico State Corrections Conference, Philmont Ranch, New Mexico;

Member of Executive and Curriculum Committee;

Chaired 4 Dissertation and Master's Thesis Committees;

Principal Investigator on a National Institute of Mental Health Research Grant which required travel to Bloomington IN, June-August, 1980.

May, Philip A.

Articles:

"A Navajo Health Consumer Survey," Medical Care, Dec. 1980, Vol. XVIII (12), pp. 1183-1195, with T.J. Stewart and Anita Muneta;

May, continued

"Recruitment and Retention of Federally Employed Physicians on the Navajo Reservation" with R.L. Brod and T.J. Stewart, 35 pp. in The Social Science Journal, (in press)

Health Problems of the Navajo and Suggested Interventions, 2nd edition. Printed Monograph, Navajo Health Authority, Window Rock, AZ, 62 pp., with David W. Broudy.

Book review of: Suicide by Jean Baechler, Contemporary Sociology (in press).

Activities:

Director, National Institute of Mental Health Training Grant 5T01 MH15219-04 to the Sociology Department: Part-time Director, Fetal Alcohol Syndrome Project, Indian Children's Program, Indian Health Service, Albuquerque, NM (Dec. 1979-present); Consultant to Navajo Health Authority (Window Rock, AZ) and All Indian Pueblo Council (Albuquerque), on health, mental health, education, and epidemiological matters; Director of High Potential Student Program at UNM for the Navajo Health Authority (July, 1980)

Member, Recruitment Committee, 1980; Salary Committee, 1980; Served on 2 Dissertation Committees in American Studies (both successfully defended) and 2 Thesis Committees (1 as Chair, 1 as Member) in Sociology (both successfully defended); Summer lectures all over the Southwestern US (AZ, NM, Southern Colorado) on Fetal Alcohol Syndrome and Suicide Prevention, 1980; 2 papers presented at the American Association of Suicidology, April, 1981; "Single Vehicle Crashes Among the Navajo Indians" with P.S. Katz and "Native American Suicide in New Mexico: A Comparative Study (1957-1979)" with Nancy

May, continued

McNamara, Patrick H.

Invited to present paper to Royal Anthropological Institute in Edinburgh, Scotland.

Articles:

Chapter on Race Relations in Melvin L. DeFleur, ed., Social Problems, Houghton-Mifflin, 1981 (forthcoming);

Reviews of:

Papal Power for Contemporary Sociology;

The Sociology of Belief for Social Forces;

Churches and Politics for Review of Religious Research.

Manuscript reviews for Social Forces; Social Science Journal.

Research:

Continuing research on a 5-year survey of St. Pius Seniors

Activities:

Discussant, Section on Conflicts Between Religion and Social Science, 1980 Meetings of Society for the Scientific Study of Religion, Cincinnati, OH, Oct. 1980;

Consultant, CETA Personal Development Workshops, Albuquerque and Las Cruces, NM, August 1980;

Member of University Religious Studies Committee;

Chair, Graduate Committee, Sociology Department;

Presented talk on "Religion in Present-Day America" to Rio Rancho Kiwanis Club, October, 1980.

Meier, Harold C.

Research:

Demographic characteristics associated with consensual unions in Cuba: Analysis of pre-revolutionary situation (census of 1953): Part of an ongoing socio-historical study of Cuban family, in collaboration with Nelson Valdes.

Meier, continued

Activities:

Participant in panel discussion on 1980 visit to Cuba, sponsored by SOLAS, 9-26-80;

Lecture to Albuquerque High School: "Divorce and Remarriage Patterns in Contemporary U.S.";

Member of Curriculum Committee, Sociology Department

Merkx, Gilbert W.

Articles:

"Restructuring the Area Center: An Experiment: in Latin American Studies Association Newsletter (December, 1980);

"Bureaucratic-Authoritarianism Revisited" with Karen L. Remmer, forthcoming, Latin American Research Review, Vol. 17, No. 2

"A Review of the Issues and Groups Involved in Undocumented Migration to the U.S." in Robert S. Landmann, ed., The Problem of the Undocumented Worker (Washington, D.C.: The Community Services Administration, 1980), pp. 7-14.
Review of: "Testimonios by Rodolfo Stavenhagen", in Hispanic American Historical Review, Vol. 61, No. 1, February 1981.

Research: "Joaquin Ortega: One Man's Vision of UNM" in The New Mexico Alumnus (January 1980).

Activities:

Named Editor of the Latin American Research Review for 5 year term 1982-1987; Traveled to Mexico City, September 1980 for participation in U.S.-Mexico Seminar on Undocumented Migration and to participate in negotiations on the UNM-UNAM Convenio;

Markx, continued

Co-president, Rocky Mountain Council on Latin American Studies; Organizer of Annual Meetings of this Assoc. held in Santa Fe, NM, April 3-5, 1980; Member of Committee on the Profession, Latin American Studies Assoc. and the Consortium of Latin American Studies Programs, attended annual meetings of these two groups held jointly in Bloomington, IN, October, 1980; Named Executive Director, Latin American Institute, UNM; UNM Press Committee; Regents Committee on Search Procedures; Search Committee for UNM Press Director; Provost's Task Force on SHRI; Member of the Board, SHRI; President, Faculty Concilium on Latin American Governing Board, NM Consortium on Latin American Studies; Deans' Advisory Committee, A & S; Policy Committee, Latin American Institute; Budget Subcommittee, Latin American Institute Mexico Week Committee; Recruitment Committee, Sociology Department; Provost's Commission on Exchanges with UNAM; Committee on Preparations for the Visit of President Lopez Portillo; Public Advisory Board for UNM-EMD, Socio-Economic Study of the WIPP.

St. George, Arthur

Activities:

Grant Proposal to study police socialization and organizational change. Five year study of religious socialization, with Patrick McNamara. Test of theories of social movement participation using data from the Sierra Club and related organizations. Summer teaching-Sociology 110 and Sociology 225.

Steele, Paul D.

Articles:

"Labor's Perceptions of Drug Use and Drug Programs in the Workplace," Journal of Drug Issues (February 1981);

"Management Styles and Organizational Reactions to Drug Abusers", with A.S. Davenport and R.L. Hubbard, (February 1981);

"Evaluation of a Model Rape Treatment Center" (forthcoming).

Research:

Continued analysis of evaluation of services to rape victims; initial work on research project to National Science Foundation on the impact of labelling on rehabilitation strategies; research for Law Enforcement Assistance Administration concerning victimization in prison (subcontract from Evaluation/Policy Research Association, Milwaukee, WI).

Activities:

Consultant work with All Indian Pueblo Council (Albuquerque) and ARNO Assoc., concerning Indian Alcoholism; consultant work with Socio-Environmental Research Center, Ltd., concerning prisoner victimization and alcoholism among delinquents;

Member, Research Committee, Sociology Department, Jan.-May 1980; Member Graduate Committee, Sept.-Dec., 1980; Member, College of A & S Human Subjects Research Committee, Jan.-Dec. 1980; Acting Chair, College of A & S Human Subjects Research Committee, July-Nov. 1980; Member, NM Council on Crime & Delinquency; Member of special ad hoc task force on prison riot.

Tomasson, Richard F.

Books:

Iceland: The First New Society, chosen as one of the "Outstanding Academic Books" of 1980-81 by Choice, published by University of Minnesota Press, Minneapolis MN, 265 pp;

Edited book- Comparative Social Research, Vol. 3, Greenwich, CT: JAI Press, 362 pp.

Reviews of: A.J. Kuethe, "Military Reform and Society in New Grenada, 1773-1808, Journal of Political and Military Sociology 9(Fall):327-329; A.R. Scott and A.R. Shore, "Why Sociology Does Not Apply: A Study of the Use of Sociology in Public Policy," Social Science Quarterly, December, 1980; Leonard Broom and others, "The Inheritance of Inequality," Sociology: Reviews of New Books, Nov.-Dec. 1980.

Research:

Wrote an article on the Icelandic political system, another on Icelandic political parties; both coming in 1981. Edited Vol. 4 of Comparative Social Research. Planned research project on policymaking for social security in the Netherlands, Sweden, the Federal Republic of Germany, and the U.S.

Activities:

Chairman, Comparative Interdisciplinary Studies Section of the International Studies Association; Member, Committee on World Sociology of the American Sociological Association;

Tomasson, continued

Chairman of Arrangements Committee for the 71st Annual Meeting of the Society for the Advancement of Scandinavian Study, Albuquerque, NM, May 30-April 2, 1981; Attended International Studies Association Meetings, Philadelphia, PA, March 1981; Attended Political Symposium, Ann Arbor, Michigan, April 30, 1981; Attended meetings of Society for the Advancement of Scandinavian Study, Ann Arbor, Michigan, May 1-3, 1981; Swedish Studies Conference, November 1980, San Francisco, CA; Editor, Comparative Social Research; Associate Editor, Journal of Political and Military Sociology; Consultant for Kenneth Janda's Political Parties: A Cross-National Survey, New York: Free Press; Faculty Senate; A & S Social Science Promotion Committee; Departmental Executive Committee; Departmental Recruitment Committee; Faculty-Staff Benefits and Welfare Committee.

Valdés, Nelson P.

Articles:

"Ideological Roots of the Cuban Revolution," in Contemporary Caribbean: A Sociological Reader, Maracas, Trinidad-Tobago: The College Press, 1981, Vol. II; "Repuesta a Carlos Alberto Montaner: Sobre los Estados Unidos y Cuba," Reunion, Boletín del Instituto de Estudios Cubanos (Madrid), Enero-Febrero 1981, pp. 6-7.

Research:

Tinker Foundation Summer Research Fellowship, to do research in Cuba; Cuban foreign policy in Africa, research in progress.

Valdés, continued

Activities:

Presented paper on "The Cuban Revolution Today" at New Mexico State University, March 26, 1980;

Presented "Deviance and Social Problems in Revolutionary Cuba" to the Sociology Colloquium, March 28, 1980;

Presented "The Carter Administration and Cuba", to REMCLAS, Santa Fe, NM, April 4, 1980;

Presented "Cuba and the Caribbean" to the Nicaragua Solidarity Coalition, UNM, October 8, 1980;

Presented "Problemas educacionales del Chicano en Nuevo Mexico", to Symposium/Roundtable, Education and Chicanos, December 5, 1980:

Speaker at the Institute of Latin American and Cuban Studies, University of North Carolina, Chapel Hill, NC, Aug. 30-Sept. 1, 1980;

Discussant of papers presented at the panel on "Crime and Criminology in Latin America," Rocky Mountain Conference on Latin American Studies, Las Cruces, NM, February 12-14, 1981; presentation to the Pan American Roundtable, Albuquerque, NM, "Cuban Migrations to the U.S.: The Different Waves Compared," March 11, 1981; presentation to the El Buen Samaritano Church Study Group, "Latin American Economic Development: Problems and Prospects," March 15, 1981, Albuquerque, NM; presentation at Jefferson Middle School, "Children in Latin America," March 18, 1981, Albuquerque, NM;

Valdes, continued

Presentation of background material on the topic, "El Salvador: A Country in Crisis," sponsored by the Social Justice Committee of Our Lady of Guadalupe Church and People for Self-Determination in El Salvador, March 22, 1981; presented "Cuba's Impact on Central America," at the Conference Central America: Prospects for the 1980s, U.C.L.A., Los Angeles, CA, May 7, 8, 1981.

Reader of research proposals for National Education for the Humanities; Sociology Editor for the Handbook of Latin American Studies, published by the Library of Congress; Chairperson, Interdisciplinary Committee on Latin American Studies; Associate Director for Academic Programs of Latin American Institute; Recruitment Committee, Sociology Department; Member, Task Force of the Southwest Hispanic Research Institute; Member of Library Sub-Committee, Latin American Institute; Member, Curriculum Subcommittee of the Latin American Institute.

Editorial Commentator, Los Angeles Times, June 8, 1981, "But an Even Bigger Problem Lies at Sea".

Woodhouse, Charles E.

Article:

"Revolutionary Optimism and the Practice of Revolution: the Jewish Bund in 1905", with Henry Tobias, submitted for review for publication;

Valdes, continued

Presentation of background material on the topic, "El Salvador: A Country in Crisis," sponsored by the Social Justice Committee of Our Lady of Guadalupe Church and People for Self-Determination in El Salvador, March 22, 1981; presented "Cuba's Impact on Central America," at the Conference Central America: Prospects for the 1980s, U.C.L.A., Los Angeles, CA, May 7, 8, 1981. Reader of research proposals for National Education for the Humanities; Sociology Editor for the Handbook of Latin American Studies, published by the Library of Congress; Chairperson, Interdisciplinary Committee on Latin American Studies; Associate Director for Academic Programs of Latin American Institute; Recruitment Committee, Sociology Department; Member, Task Force of the Southwest Hispanic Research Institute; Member of Library Sub-Committee, Latin American Institute; Member, Curriculum Subcommittee of the Latin American Institute.

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"But an Even Bigger Problem Lies at Sea".

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The Report of the Department of Speech Communication
July 1, 1980 - June 30, 1981

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Annual Report (1980-81) UNM Forensics Program

The Report of the Department of Speech Communication
July 1, 1980 - June 30, 1981

Kenneth D. Frandsen - Chairman

I. General Departmental Information

A. Significant Achievements

At the beginning of the 1980-81 academic year, two new faculty members joined the Department: A. Lichtenstein, Assistant Professor (Telecommunication) and G. Andriate, Visiting Assistant Professor (Interpersonal/Organizational Communication), maintaining the total number of full-time faculty at ten. During the previous academic year T. Plax (Interpersonal Communication) arranged to take a leave of absence without pay in order to serve as a Consultant to the Space Systems Division of Rockwell International Corporation. During the second semester, P. Holtzman (Professor Emeritus, Pennsylvania State University) joined the Department as a Visiting Professor. Also, T. Brennan was appointed Instructor in Speech Communication and the Department recruited and appointed T. Daniels (Organizational Communication) who will replace E. Kaminski at the beginning of the 1981-82 academic year. These appointments contributed substantially to the increasing quality of faculty but the Department's long-range goal, namely, a faculty of twelve full-time members, has not been met. This goal was reaffirmed at a faculty retreat this year and continues to be warranted by the need for flexibility and the need to be responsive to expectations concerning teaching, research and service.

The details of this report document the continuation of the accelerating levels of commitment, involvement and achievement by faculty and students in this Department. Nevertheless, this report also documents the Department's persistent needs for improved physical facilities, additional

graduate teaching assistants and full-time faculty, and increased budgetary support in order to keep pace with its goals.

It is important to note that, with reference to norms of research productivity established within the Speech Communication field on a national level, the ranking of this Department is exceptionally high in relation to the number of years of experience and the number of full-time appointees among the faculty. During the past three years, three reports of national surveys of publication rates by Departments of Speech Communication have been published:

L. Barker, R. Hall, D. Roach and L. Underberg, An Investigation of Quantity of Articles Produced in the Communication Discipline by Institution: 1970 through 1978. ACA Bulletin, 30 (1979), 18-22.

An Investigation of Articles Produced in the Communication Discipline by Institution: A Journal by Journal-Year by Year Analysis. ACA Bulletin, 34 (1980), 37-48.

An Investigation of Articles Produced in the Communication Discipline: An Institutional Analysis based on the Highest Degree Conferred. ACA Bulletin, 37 (1981), 34-39.

In the most recent of these reports, this Department ranked ninth (9th) among the top twenty-five Masters Degree granting institutions on the basis of publications in major refereed journals over the past ten years. Among such institutions in the Southwest, only the University of Houston and Texas Tech University rank ahead of the University of New Mexico; and San Jose State, Arizona State, Texas Christian, California State-Long Beach, Colorado State, San Francisco State, and San Diego State Universities rank below UNM.

1. Instructional Activities: (course enrollments, evaluation of instruction, curriculum modification and development, special programs).

a. Course Enrollments: The increasing demands of both traditional and nontraditional students for courses in Speech Communication continue to exceed the Department's capabilities because of

budgetary limitations on the number of faculty and assistants. In introductory courses that are typically offered each semester (101,102,110, 130,221,240 and 268) student enrollments number between 950 and 1100 with an additional 500 enrolled in the intermediate and upper division courses. Enrollments in the Fall semester were only slightly higher than enrollments in the Spring, and the demand for courses offered during late hours, in the Summer Session, and at the Santa Fe Graduate Center continues to be strong.

b. Evaluation of Instruction: Faculty of the Department are energetic and sincere in their efforts to obtain and respond to students' evaluation of instruction. Reports of these evaluations employing ICES continue to indicate average to high average ratings and otherwise reflect the students' conviction that the faculty of this Department are both demanding and effective in the conduct of their instructional activities. There is consensus among the faculty that the most useful form of evaluation is a form that is "course-specific" and keyed to students' estimates of their progress toward the achievement of course goals. Faculty are divided in their opinion of ICES as an adequate and appropriate system for obtaining students' evaluations of instruction.

c. Curriculum Modification and Development: The Department continued its participation in the activities of the University Television/Film Council throughout the year (see 1979-80 Annual Report). The Department has submitted and received approval of the course changes and new courses outlined earlier (see Attachment B, 1978-79 Annual Report). Currently faculty of the Department are working closely with representatives of the Departments of Journalism, Theatre, and Educational Foundations in the development of an integrated curriculum for the study of Mass Communication.

The Department has continued to develop links with a variety of other units and programs within the University. Faculty have increased their involvement in American Studies and Religious Studies programs through special course offerings and cooperative efforts. The needs of intermediate and advanced students in the Anderson School of Management, the College of Education, the College of Engineering and the School of Nursing continue to be served by a variety of courses. At the Santa Fe Graduate Center, enrollment during the academic year in courses offered by the Department showed a substantial increase.

In order to assess the current state of curricular resources and to develop plans for the future, the Department met in retreat at the beginning of the Fall and Spring semesters. A major topic of discussion at these sessions was the Department's program of Graduate Studies. The fundamental question addressed was: What sort of graduate program will provide both high quality and suitable flexibility? As a result of these discussions faculty adopted specific changes in Departmental requirements for the M.A. degree and made plans to provide both special orientation and closer supervision of Graduate Teaching Assistants. Additional topics of discussion at these retreats included the relationship of the UNM Forensic Union to the Department, the relationship of KUNM and KNME-TV to the Department, the potential for developing an advanced curriculum in Applied Communication Studies, the potential for developing a doctoral program in Interpersonal Communication, and the further needs of the Department for additional personnel and improved physical facilities. In short, the faculty of the Department are making a continuing effort to monitor and assess progress toward Departmental goals with reference to the development and acquisition of necessary and desirable faculty, curricular and physical resources.

d. Special Programs: During the Fall semester the Department sponsored and provided faculty assistance in the UNM Forensic Union's second annual Wayne C. Eubank Invitational Tournament. The details of this activity and the record of accomplishments of participants in the Forensics Program are included in the annual report of the Director of Forensics.

During the academic year the Department, with the assistance of the College of Arts and Sciences, sponsored the visits of several scholars from other institutions. Visitors included Dr. Peter Andersen (West Virginia University), Dr. Jan Andersen (West Virginia University), Dr. Gail Sorenson (Humboldt State University), and Dr. Tom Daniels (University of Wisconsin-Green Bay). Each of these visiting scholars met with students in regularly offered courses and conducted specially scheduled colloquia to report and discuss their research in Human Communication. Each of the colloquia presented by these guest lecturers was attended by faculty and students from other departments. Several persons who attended these sessions expressed their enthusiasm for regularly scheduled sessions designed to provide opportunities for faculty and students to report research and explore possibilities for increased interdisciplinary study of human communication.

As a sub-unit of the Department, the Institute for Organizational Communication (IOC) increased its activity during the calendar year. Faculty conduct various consulting, training and research projects under the auspices of IOC over and above their regular duties. During the year the Institute provided such services to the Department of Transportation of the Department of Energy, Systems Corporation of America, Public Service Company of New Mexico, and Mountain Bell. In addition faculty were active in the development of contacts that

may expand the work of the IOC in the future. Project proposals have been submitted or drafted involving several other organizations and agencies such as The Nexus Group (Los Gatos, California), the New Mexico Department of Taxation and Revenue, and the League of Women Voters.

2. Departmental Operations and Activities: (Faculty Decision-Making, Service in the University, Service to Professional Associations, Research Appointments and Sabbatical Leaves, Departmental Library, Physical Facilities).

a. Faculty Decision-Making: Throughout the year, when policy and personnel matters required consideration, the faculty of the Department met as a Committee of the Whole or were consulted individually and collectively for their advice and consent. Some matters requiring codification or recommendations were given attention by subcommittees, such as departmental policies on the Master's Examination and Forensic Scholarships, the search and screening for a new faculty appointee, and the development of a departmental brochure. Faculty meetings were held less frequently than in past years but the reduction in the number of formally scheduled meetings was not accompanied by any objectional reduction in the participation of faculty in the decision-making process.

b. Service in the University: Faculty of the Department served the University community through membership on a variety of committees. In the College of Arts and Sciences, K. Frandsen represented the Department on the A & S Graduate Committee, A. Lichtenstein served as a member of the Committee on the use of human subjects in research, and J. Civikly continued her membership on the Linguistics faculty. At the University level, the Department was represented on the TV/Film Council by K. Frandsen and A. Lichtenstein. L. Rosenfeld served

on the Admissions Committee, J. Civikly was a member of the Curriculum Committee of the Faculty Senate, and R. Jensen was appointed a member of the Faculty Senate, representing the College of Arts and Sciences, and served as a member of the UNM Press Committee.

c. Service to Professional Associations: Several members of the faculty actively contributed to the work of State, Regional, National and International professional organizations. R. Jensen continued his membership on the editorial staffs of The Liberal Arts Review, the Western Journal of Speech Communication and the International and Intercultural Annual published by the national Speech Communication Association. L. Rosenfeld continued his editorship of the Western Journal of Speech Communication and served as a member of the Publications Board of SCA and as a Delegate at Large to the Legislative Assembly of WSCA. J. Civikly and L. Rosenfeld served as members of the committee to select a new editor of the Western Journal of Speech Communication and Civikly completed her term as Chairperson of the Speech Education Group of WSCA. J. Schuetz contributed her services as a manuscript referee to the Journal of the American Forensic Association, The Quarterly Journal of Speech, and the Western Journal of Speech Communication. In addition Schuetz served as secretary of the Freedom of Speech Group of WSCA and as a member of the Committee on Accountability and Responsibility in Government of SCA. R. Jensen chaired the Rhetoric and Public Address Group and Served on the Credentials Committee, and K. Frandsen served as an elected Delegate to the Legislative Assembly of the Western Speech Communication Association. Frandsen also continued his membership on the editorial board of Communication Quarterly, the publication of the Eastern Communication Association. G. Andriate chaired the Epistemology and

and Methodology Group of ECA and represented the Department as a Delegate to the Legislative Assembly of WSCA at its 1981 annual convention.

Of special importance was the decision of the WSCA Executive Committee to name the University of New Mexico as the "host school" and to designate Albuquerque as the site for the 1983 annual convention of the Western Speech Communication Association. R. Jensen and J. Schuetz are serving as co-chairs of the Local Arrangements Committee for this convention. Concurrently with this convention, the Western Forensic Association Tournament will be held in Albuquerque and attended by students and faculty from colleges and universities throughout the Western region of the country. This decision and designation as "host school" represents a special honor for the Department and for the University.

d. Research Appointments and Sabbatical Leaves: During the 1980-81 academic year two members of the Departmental faculty were assigned partly or completely to scholarly activities. L. Rosenfeld was relieved of one-third of his teaching duties to enable him to meet his editorial responsibilities, and J. Civikly was granted a sabbatical leave during the Spring Semester for research in the areas of Educational and Intercultural Communication.

e. Departmental Library: J. Civikly continues to serve as the Department's Library Liaison and the UNM Library holdings in the field of Speech Communication continue to improve slowly. The Department has increased its effort to acquire and organize material that can be made available as a working collection for faculty, staff and students. Both space and funds necessary to house and develop a useful working collection remain outside the present resources of the

Department.

f. Physical Facilities. The Department continues to operate at a handicap because of the lack of adequate and usable space for faculty meetings and colloquia, graduate seminars, and laboratory research. As the faculty of the Department stabilizes and increases its involvement in research the need for adequate operational, instructional, and research facilities increases proportionately at the least. This need has been documented in previous reports to the Dean of the College of Arts and Sciences and to the University Architect.

B. Significant Plans and Recommendations

1. Degree Programs: Chief among the Department's plans is the development and enhancement of curricula in Telecommunication at the undergraduate level and the strengthening of our program at the graduate level. The Department's efforts in the area of Telecommunications will likely follow the lines suggested by the Report of the Curriculum Subcommittee of the Radio/TV/Film Coordinating Council. Because there is no doctoral program in Speech Communication available within the State of New Mexico, students who earn Master's degrees in Speech Communication must look elsewhere for opportunities to continue their advanced work. Several of our students have gained admission to and are supported in doctoral programs at other major institutions (e.g., University of Iowa, Michigan State University, University of Kansas). The number of inquiries and requests concerning doctoral and post doctoral work in Communication at UNM is increasing at an increasing rate. Faculty expertise and experience in the direction of doctoral work is presently available especially in the areas of interpersonal and mass communication. The University, the College, and the Department

should begin immediately to give serious consideration to the implementation of a Ph.D. program in Communication Studies.

2. University Forensics Program: A major problem facing this program is the rapidly escalating cost of travel, meals and lodging as a result of the current inflationary spiral in the nation's economy. Increasing numbers of students are seeking opportunities for participation in forensics activities while the number that can participate must be steadily reduced in order to match the size of the program with its current budget allocation. Unless some form of supplementary fiscal support is located and made available to meet the rising costs of travel, meals, lodging and tournament entry fees, the program will have to be seriously curtailed or abandoned. Typically, forensics activities attract students with evident potential for capable leadership and high levels of academic achievement. Such students can provide excellent representation of the academic character of the University to students and faculty at other institutions and to members of the non-academic community. The loss of this program would result in an equivalent loss to the University in its power to attract and in its effective representation by students of such high quality. The Department plans to continue its review of this program in order to formulate a specific series of recommendations for consideration by appropriate officers of the University.

C. Appointments to Staff

1. Faculty

G. Andriate, Visiting Assistant Professor (Interpersonal/Organizational Communication), August 25, 1980 - May 15, 1981.

T. Brennan, Instructor, August 25, 1980 - May 15, 1981.

Paul D. Holtzman, Visiting Professor (Interpersonal/
Intercultural Communication), January 12 - May 25, 1981.

A. Lichtenstein, Assistant Professor (Mass Communication),
August 23, 1980 - May 15, 1981.

Faculty continuing for the 1980-81 academic year were:

J. Civikly, K. Frandsen, R. Jensen, T. Plax (on leave),
L. Rosenfeld, J. Schuetz, B. Spiker, and E. Zannes.

2. Graduate Teaching Assistants

William Bauman, academic year
Halldor Bjarnason, academic year
William C. Burns, Semester II
David Dondero, academic year
Linda Johnson, Semester II
Linda Logan, academic year
Christina L. Reynolds, academic year
John A.G. Reynolds, academic year
Thomas A. Simpson, Semester II

3. Staff Appointments

Debra Petty, Staff Secretary, August 4, 1980

Continuing Staff: Barry D. Kirk, Electronic Technician
May Polivka, Department Secretary

4. Work-Study Students

William C. Burns, Class Assistant, Semester I
Paula Kulina, Clerk Typist, Semester I
Jennifer Lujan, Clerk Typist, Semester II
Nancy Padilla, Grader (102), academic year
William C. Burns, Class Assistant, Semester I

D. Separations from Staff

Faculty

E. Kaminski, Assistant Professor, July 7, 1980
T. Plax, Associate Professor, April 21, 1981

Staff

Barry D. Kirk, Electronic Technician II, effective July 1, 1981
Margaret R. Poor, Staff Secretary, August 4, 1980

E. Sponsored Research

During the period covered by this report six members of the faculty (60%) submitted proposals to outside agencies and organizations in order to obtain support for a variety of projects. Of those submitting proposals, four obtained support and another is awaiting notification. Another member of the faculty continued to serve on a research team for the third consecutive year of a project. In all five (50%) faculty members obtained awards or received some form of support from outside agencies.

II. Faculty Accomplishments: January 1, 1980 - December 31, 19801. Advanced Study

Gregory S. Andriate. Ed.D. West Virginia University. Dissertation title: The Relationship of Status, Solidarity with Instructor, and Student Anxiety Proneness to Three Learning Outcomes.

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel

Gregory S. Andriate. West Virginia University: Continuing Education, Off-campus Graduate Courses in Speech Communication.

Richard J. Jensen. Guest lecturer, Arizona State University, March, 1980.

Allen Lichtenstein. Summer teaching, SUNY-Buffalo, Graduate Seminar in Mass Media and Politics.

Lawrence B. Rosenfeld. Visiting Professor in Speech Communication and Political Science, University of Denver, Summer 1980.

Janice E. Schuetz. Participated in National Endowment to the Humanities-sponsored program through the University of Missouri, presenting in a seminar related to lifelong learning, Summer 1980.

Barry K. Spiker. UNM Graduate Center, College of Santa Fe, Summer 1980 teaching.

Estelle Zannes. Traveled to Berlin Germany, September 1980, for International Carnahan Crime Countermeasures Conference.

3. New scholastic honors, fellowships, etc.

Gregory S. Andriate. Outstanding Instructor Award, College of Arts & Sciences Advisory Council for Instruction, West Virginia University.

Janice E. Schuetz. Received Outstanding Young Women in America Award, 1980. Received Outstanding Young Alumni Award, Pittsburg State University, October 1980 Homecoming Celebration.

Barry K. Spiker. Dissertation nominated for W. C. Redding Dissertation of the Year Award, International Communication Association; finished in top five.

4. Publications

Jean M. Civikly

Self-concept, Significant Others and Classroom Communication. Chapter in L.L. Barker (Ed.) Communication in the Classroom: Contemporary Theory and Practice. Englewood Cliffs, N.J.: Prentice-Hall, 1980.

Relationships. Chapter in Adler, Rosenfeld and Towne, Interplay. Holt, Rinehart & Winston, 1980.

Kenneth D. Frandsen

"Some Problems in the Use of Student Evaluations," Association for Communication Administrators Bulletin #33 (August, 1980), 36-38.

Richard J. Jensen

Rhetorical Perspectives on Communication and Mass Media, 2nd. ed. Kendall/Hunt, 1980. Co-authors: Robert L. Schrag and Janice E. Schuetz).

"The Rhetorical Worlds of Cesar Chavez and Reies Tijerina," Western Journal of Speech Communication, 44 (Summer 1980), 191-202. Co-author: John C. Hammerback.

"Radical Nationalism Among Chicanos: The Rhetoric of Jose Angel Gutierrez," Western Journal of Speech Communication, 44 (Summer 1980), 191-202. Co-author: John C. Hammerback.

"An Interview with Jose Angel Gutierrez," Western Journal of Speech Communication, 44 (Summer 1980), 203-213.

Lawrence B. Rosenfeld

"Telephone Conferencing to Conduct Administrative Appeals Hearings: Report on an Experimental Evaluation in Progress," in L. A. Parker and C.H. Olgren, eds., Teleconferencing and Interactive Media (Madison, Wisconsin: Univ. of Wisconsin Press, 1980), 97-105. Co-authors: J. Corsi, G. Fowler, and K. Newcomer.

"Conflict!" New Mexico Business Journal, four-part series, 1979-80.

"Individual Differences in the Credibility and Attitude Change Relationship," Journal of Social Psychology, 1980. Co-author: Timothy G. Plax.

Analyzing Human Communication (Dubuque, Iowa: Kendall/Hunt, 1980).

Interplay: The Process of Interpersonal Communication (New York: Holt, Rinehart and Winston, 1980). Co-authors: Ronald Adler and Neil Towne).

Janice E. Schuetz

Rhetorical Perspectives on Communication and Mass Media. (Dubuque, Iowa: Kendall/Hunt, 1980). Co-authors: Richard Jensen and Robert Schrag.

4. Publications

Janice E. Schuetz (cont'd)

"Lifelong Learning: Communication Education for the Elderly," Communication Education, 29 (January 1980), 331-341.

Review of Argument: Language and Its Influence, in Journal of American Forensic Association, 17 (Summer 1980), 63-64.

Barry K. Spiker

"Alternative Perspectives in Forensics," Association for Communication Administration Bulletin, pp. 75-79, October 1980.

5. Other research projects or creative work in progress or completed

Gregory S. Andriate

Management communication style and employee perceptions of trust and safety (in progress).

Jean M. Civikly

Completion of manuscript for Contexts of Communication (a reader in Communication). New York: Holt, Rinehart & Winston, 1981.

Course developments: Speech Communication 221, 321.

Kenneth D. Frandsen

"Conceptions of Communication," in Handbook of Rhetoric and Communication, (ed.) C. C. Arnold and J. Bowers. Allyn & Bacon (in press). Co-author: C. C. Arnold.

"Functions of Communication in Informing: Communicating and Processing Information," in Handbook of Rhetoric and Communication, (ed.) C. C. Arnold and J. Bowers. Allyn & Bacon (in press).

Richard J. Jensen

"Denial of Freedom of Speech in Jock Yablonski's Campaign for the UMW Presidency," Free Speech Yearbook (in press).

"Chicano Dissent," funded through Research Allocations Committee, UNM.

Allen Lichtenstein

"Personality and Preference for TV Sports," a paper accepted for presentation at the San Diego Conference on Culture and Communication, February 1981.

"The Audience for Science Fiction and Fantasy," a paper accepted for presentation to Popular Culture Association, April 1981.

"Comparison of Audience Reaction to Local and National Televised Political Debates," a paper accepted for presentation to the Western Speech Communication Association convention, February 1981.

Janice E. Schuetz

"Communication and the Elderly Learner" in The Role of the Humanist in Aging Studies (Columbia: University of Missouri Gerontological Institute), for publication 1981.

Developed and presented workshops on: Communication and the Aging Woman; Communication Skills for Legal Employees; Communication and Lifelong Learning; and Christian Family Communication.

Completed essay on Rationality and Revolution, which has been accepted for publication.

5. Other research projects or creative work in progress (cont'd)

Barry K. Spiker

Computer Packages and Research Design, University Press of America, pp. 17-242, for publication Fall 1981. Co-author: Robert S. Barcikowski.

A Communication Study of a Southwest Utility Company, Public Service Company, \$20,000, 32 weeks, accepted for implementation 1981.

"The Quantitative Quandary in Debate," a paper accepted for presentation at the Western Speech Communication Association convention, February 1981.

"A Critique of Communication in Human Resource Management," a paper accepted for presentation at the International Communication Association convention, May 1981.

Estelle Zannes

Communication: The Widening Circle. Addison-Wesley. Anticipated publication, October 1981.

6. Activities in learned and professional societies

Gregory S. Andriate

"The relationship of instructor communication behaviors and student anxiety proneness to student classroom anxiety states and short-term cognitive learning" a competitively selected paper, Instructional Communication Division, presented at the International Communication Association convention, 1980.

Editorial Assistant, Communication Quarterly, Eastern Communication Association, 1979-1980.

Chairperson, Epistemology and Methodology Interest Group, Eastern Communication Association, 1979-1980.

Jean M. Civikly

"Anatomical and Psychological Sex Differences (in Self-Disclosure)," a paper presented at the International Communication Association convention, May 1980. Co-author: Lawrence B. Rosenfeld.

Attended Speech Communication Association convention, November 1980, New York, New York.

Attended Western Speech Communication Association convention, February 1980, Portland, Oregon.

Member, WSCA Editor Selection Committee, 1980.

Kenneth D. Frandsen

Nominating Committee member, College and University Section of Speech Communication Association, 1980.

Program Chairman and Critic, Language Behavior Interest Group, Western Speech Communication Association annual convention, Portland, Oregon, February 1980.

Associate Editor, Communication Quarterly.

Referee, Western Journal of Speech Communication

Manuscript reviewer, Prentice-Hall, Inc.

Richard J. Jensen

"Self-Determination in Native American Education: The Albuquerque Indian School," a paper presented at the Western Speech Communication Association convention, Portland, Oregon, February 1980.

Member, Credentials Committee, Western Speech Communication Assn.

Chair, Rhetoric and Public Address Interest Group, WSCA.

6. Activities in learned and professional societiesRichard J. Jensen (cont'd)

Member, Nominating Committee, Rhetoric and Public Address Interest Group, Speech Communication Association.

Member, Commission on International and Intercultural Communication (e year term), SCA.

Critic, International and Intercultural Annual.

Referee, Quarterly Journal of Speech.

Associate Editor, Western Journal of Speech Communication.

Associate Editor, Liberal and Fine Arts Review.

Allen Lichtenstein

"The Audience for Battlestar Galactica: A Psychographic Profile," a paper presented to the Popular Culture Association convention, April 1980.

Lawrence B. Rosenfeld

Editor, Western Journal of Speech Communication;

Member, Publications Board, Speech Communication Association.

Delegate-at-Large, Western Speech Communication Association.

"Peer Review Evaluation of Legal Quality of In-Person vs.

Telephone Administrative Fair Hearings: A Preliminary Report on Work in Progress," Law and Society Association Annual Meeting, June 1980. Co-authors: Jérôme R. Corsi, Gene D. Fowler, and Kathryn E. Newcomer.

"Evaluating Telephone Conferencing in Unemployment Insurance and Welfare Administrative Fair Hearings," Eighth Annual Telecommunications Policy Research Conference, April 1980,

Janice E. Schuetz

Journal referee for Journal of American Forensic Association, Quarterly Journal of Speech, and Western Journal of Speech Communication.

Served on the Speech Communication National Committee on Public Accountability and Government Communication.

Served as Secretary of Freedom of Speech Interest Group, Western Speech Communication Association.

Planned and chaired five programs in professional organizations.

Attended national convention of Speech Communication Association, New York, New York, November 1980.

Attended Speech Communication Association Aging Conference, New York, New York, November, 1980.

Attended Western Speech Communication Association convention, Portland, Oregon, February 1980.

Barry K. Spiker

"A Communication Audit of a State Mental Health Institution," a paper presented at the Annual Meeting of the International Communication Association, Acapulco, Mexico, May 1980.

"Alternative Perspectives in Forensics," a paper presented at the Western Speech Communication Association convention, Portland, Oregon, February 1980.

Elected to National Individual Events District Committee (2 year term).

Referee for Western Journal of Speech Communication

6. Activities in learned and professional societies

Estelle Zannes

"A Comparison of Police Communication Systems in Five Forces in Asia," a paper presented at the Carnahan Crime Countermeasures Conference, Lexington, Kentucky, May 1980.

"History of Police Communications in America: 1845 to present," a paper presented at the International Carnahan Crime Countermeasures Conference, Berlin, Germany, September, 1980.

Member of Executive Planning Committee for International Conference.

Attended National Association of Educational Broadcasters Conference, Las Vegas, Nevada, October 1980. Appointed to Council on Education.

7. Other professional activities

Kenneth D. Frandsen

Attended Annual Convention of Professional Skaters Guild of America, Colorado Springs, Colorado, May 1980.

Richard J. Jensen

Workshop on Public Speaking, City of Albuquerque, February 1980.

Speech to Speaker's Bureau, Public Service Company of New Mexico, March 4, 1980.

Speech to Speaker's Bureau, Phillips Uranium, December 11, 1980.

Allen Lichtenstein

Consulting: WNED-TV, Buffalo, N.Y., KNME-TV, Albuquerque.

Workshop: The Use of TV in Teaching Reading, Buffalo, N.Y. March 1980.

Lawrence B. Rosenfeld

Consultant: UNM School of Medicine, PCC Program; Right-of-Way Assoc.; Albuquerque Public Schools; Fair Hearing Project, University of Denver, Department of Political Science.

Janice E. Schuetz

Radio appearance and publicity resulting from course on History of the American Sermon. Worked in Aging Advocacy with State Legislature, and gave over ten off-campus talks relating to communication.

Barry K. Spiker

Speech to the International Association of Business Communications, Chamber of Commerce, April 1980.

Conducted Communication Study for the Department of Energy, January to August 1980.

Consultant to Mountain Bell, March to June 1980.

Workshop presented to Executive Branch Training Department, State of Oregon, October 1980.

7. Other professional activitiesEstelle Zannes

Consultancy with City of Albuquerque (various departments) on Public Relations, Seminars given to Albuquerque Fire Department on Interviewing, Evidence, Group Work.

8. Non-teaching University serviceGregory S. Andriate

Doctoral Committee Member, Keith Sutton, Health, Physical Education & Recreation.

Continuing Education-Credit Program: Communication in the Classroom, Spring 1981.

High School Senior Day, Department representative, Speech Communication.

Jean M. Civikly

Member of Doctoral Dissertation Committees: Mario Baca, Department of Educational Foundations; Virginia Malone, Guidance and Counseling.

Member, Faculty Senate Curriculum Committee.

Associate Faculty, Department of Linguistics.

Office of School Relations: presentation to prospective high school students, April 1980; Adult Re-entry Training Sessions--Community Talks.

College Enrichment Program: Department representative for presentations, Summer 1980.

Library Liaison for Department of Speech Communication.

Debate Judge, Wayne C. Eubank Invitational Tournament, November 1-2, 1980; coach small group discussion competition.

Kenneth D. Frandsen

Chairman, Department of Speech Communication

Member, University TV-Film Council

Member, College of Arts & Sciences Graduate Committee

Judge, Wayne C. Eubank Invitational Tournament, November 1-2, 1980.

Richard J. Jensen

Member, Arts & Sciences Graduate Committee

Member, University of New Mexico Press Committee

Key Person, United Way

Participant, UNM Ambassador Program and Calling Campaign through School Relations.

Department representative for Speech Communication at Senior Day.

Allen Lichtenstein

Member, Human Subjects Committee.

Lawrence B. Rosenfeld

Member, A&R Committee

Member, Arts & Sciences Promotion Committee.

8. Non-teaching University service

Janice E. Schuetz

Served as sponsor of Newman Center Student Association.
Served as sponsor for the UNM Students for John Anderson.

Barry K. Spiker

Director of Forensics, Adviser to UNM Forensics Union.
Participant in UNM Outreach Program, Office of School
Relations.

Guest lecturer in UNM classes.
Directed Public Information Debates - UNM
Participant in "Sneak Preview" - Office of School
Relations.

Submitted proposals for Masters in Applied Communication.
Director of UNM Forensic Workshop (Summer 1980).

9. Public service

Kenneth D. Frandsen

President, Board of Directors, Little Turtle Homeowners
Association, 1980.

Announcer, Albuquerque Figure Skating Club Show, 1980;
Honorary member, United States Figure Skating Association, 1980.

Richard J. Jensen

Lector and Minister of the Cup, Aquinas Newman Center.
Course on Christian Family Communication (5 weeks) at
Aquinas Newman Center.

Janice E. Schuetz

Public service includes many workshops and lectures to aging
groups and church groups.

Barry K. Spiker

District Executive Committee, Boy Scouts of America,
Community Relations Chairman.

Judge for high school speech activities.

Judge for Optimists Clubs, Toastmasters, Boy Scouts public
speaking contests.

Estelle Zannes

Speeches given to Civitan Club, Philosophers Club, Committee
for Women in City Government.