6-30-1980

Annual Report of the University, 1979-1980, Volumes 1-5

University of New Mexico

Follow this and additional works at: https://digitalrepository.unm.edu/unm_annual_reports

Recommended Citation

This Annual Report is brought to you for free and open access by the Campus Publications at UNM Digital Repository. It has been accepted for inclusion in UNM Annual Reports by an authorized administrator of UNM Digital Repository. For more information, please contact disc@unm.edu.
<table>
<thead>
<tr>
<th>THE PRESIDENT</th>
<th>page</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTERCOLLEGIATE ATHLETICS</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THE PROVOST</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHNIC STUDIES PROGRAM</td>
<td>16</td>
</tr>
<tr>
<td>CHICANO STUDIES</td>
<td></td>
</tr>
<tr>
<td>GENERAL LIBRARY</td>
<td>18</td>
</tr>
<tr>
<td>GRADUATE STUDIES (INCLUDES LOS ALAMOS, SANTA FE, AND GRADUATE STUDENT ASSOCIATION)</td>
<td>223</td>
</tr>
<tr>
<td>WOMEN STUDIES (INCLUDES REPORT FOR 1978-79)</td>
<td>296</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ASSOCIATE PROVOST FOR COMMUNITY EDUCATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTINUING EDUCATION AND COMMUNITY SERVICES</td>
<td>313</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ASSOCIATE PROVOST FOR ACADEMIC AFFAIRS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SCHOOL OF ARCHITECTURE AND PLANNING</td>
<td>374</td>
</tr>
<tr>
<td>COLLEGE OF ARTS AND SCIENCES</td>
<td>392</td>
</tr>
<tr>
<td>AMERICAN STUDIES</td>
<td>439</td>
</tr>
<tr>
<td>ANTHROPOLOGY</td>
<td>450</td>
</tr>
<tr>
<td>CULTURAL RESEARCH</td>
<td>457</td>
</tr>
<tr>
<td>CONTRACT ARCHEOLOGY</td>
<td>459</td>
</tr>
<tr>
<td>MAXWELL MUSEUM</td>
<td>498</td>
</tr>
<tr>
<td>BIOLOGY</td>
<td>502</td>
</tr>
<tr>
<td>CHEMISTRY</td>
<td>531</td>
</tr>
<tr>
<td>COMMUNICATIVE DISORDERS</td>
<td>562</td>
</tr>
<tr>
<td>ECONOMICS</td>
<td>574</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>590</td>
</tr>
<tr>
<td>GEOGRAPHY</td>
<td>621</td>
</tr>
<tr>
<td>GEOLOGY</td>
<td>634</td>
</tr>
<tr>
<td>INSTITUTE OF METEORITICS</td>
<td>767</td>
</tr>
<tr>
<td>HISTORY</td>
<td>796</td>
</tr>
<tr>
<td>NEW MEXICO HISTORICAL REVIEW</td>
<td>837</td>
</tr>
<tr>
<td>JOURNALISM</td>
<td>844</td>
</tr>
<tr>
<td>LINGUISTICS</td>
<td>850</td>
</tr>
<tr>
<td>MATHEMATICS AND STATISTICS</td>
<td>867</td>
</tr>
<tr>
<td>MODERN AND CLASSICAL LANGUAGES</td>
<td>891</td>
</tr>
<tr>
<td>PHILOSOPHY</td>
<td>917</td>
</tr>
<tr>
<td>PHYSICS AND ASTRONOMY</td>
<td>926</td>
</tr>
<tr>
<td>POLITICAL SCIENCE</td>
<td>944</td>
</tr>
<tr>
<td>PSYCHOLOGY</td>
<td>957</td>
</tr>
<tr>
<td>SOCIOLOGY</td>
<td>990</td>
</tr>
<tr>
<td>SPEECH COMMUNICATION</td>
<td>1012</td>
</tr>
<tr>
<td>FORENSICS</td>
<td>1032</td>
</tr>
</tbody>
</table>

(CONTINUED IN 1979-80 VOLUME II)
THE REPORT OF THE DEPARTMENT OF
INTERCOLLEGIATE ATHLETICS

July 1, 1979 -- June 30, 1980

John Bridgers, Director
Athletics at the University of New Mexico sunk to the lowest of depths in 1979-80, but the turbulent year will also be remembered as the renaissance...a rebirth...for the department.

Scandal of national magnitude struck the trumpeted Lobo basketball program from all angles. First the NCAA handed down several accusations, followed shortly by an FBI investigation into the altering of player transcripts. Head Coach Norm Ellenberger was terminated and his assistant Manny Goldstein resigned under pressure. Ellenberger is scheduled to go before federal court June 16 on charges of mail fraud, wire fraud and interstate racketeering.

UNM attorney Peter Johnstone has compiled an 800-page response to the 92 violations handed down by the NCAA infractions committee and UNM officials are scheduled to meet with the committee in Chicago in July.

Troubles continued when eight players were found to be ineligible because of the invalid transcripts, but the fans continued to loudly support the guildted team, which was repaired with walkon players who had never dreamed they would be wearing a Lobo uniform at the start of the season. Charlie Harrison was named the acting head coach and he molded Kenny Page and Company into a team which had to be taken seriously.
With the trouble came national publicity, highlighted by a segment on the "60 minutes" television program and two major articles in Sports Illustrated Magazine.

Lavon McDonald, who was the athletic director since 1974, escaped most of the fallout when he was reassigned to another job on the UNM campus just prior to the scandal outbreak. Named to replace him was John Bridgers, who had been the AD at Florida State. Bridgers immediately took on the challenge of restoring respect to the UNM athletic department by promising that the Lobos would win -- by the rules. He hired new coaches in basketball (Gary Colson), football (Joe Morrison), wrestling (Bill Dotson) and tennis (Mark Hamilton).

Bridgers went on record early saying the UNM football program must become a revenue producer if other men's and women's athletic programs were to be funded enough for them to be successful. He has a proven track record for building football, having taken Florida State from an 0-11 mark to an 11-0 slate in a few years.

Individually it was a banner year for Lobo athletes. First baseman Keith Hagman of the baseball team led the nation in hitting with a .551 batting average on a team which finished 6th nationally in hitting. Kenny Page wound up the season ranked fourth in the nation in basketball scoring, and broke Marvin Johnson's two-year-old record school scoring record with 28.0 points per game. Kipsubi Koskei finished third in the NCAA cross country meet while Steve Jennings was third in the NCAA pommel horse championships after finishing first in the WAC gymnastics meet.
Following is a breakdown of the 12 varsity sports men compete in at UNM:

**FOOTBALL:** Bill Mondt completed six years as head coach with a 6-6 overall record in 1979 and a 3-4 mark in the Western Athletic Conference. The Lobos began the season with victories over Louisiana Tech (34-0) and Oregon State (35-16) to become the first team at UNM to win its first two games since 1966. Mondt finished his career at UNM with an overall record of 32-36-1. His contract was not renewed and he was replaced by Joe Morrison, former head coach at Tennessee-Chattanooga and a player for the New York Giants.

Three players were named to the 1979 All-WAC team...cornerback Sharay Fields, defensive end Charlie Baker and tailback Jimmy Sayers. Cornerback Fankie Sedillo was named to the conference's All-Academic team. Fields set the defense on fire with school records for interceptions in a game (four vs. New Mexico State) and in interceptions in a season (10). As a team, the Lobos picked off 24 passes, the second most by any team in the school's history.

Injuries plagued the team, with a major blow coming at Hawaii when quarterback Brad Wright left the game with a knee injury and sat out the final eight games of the season. He had led the WAC in total offense as a sophomore in 1978.

Walt Arnold was awarded the top player from New Mexico while Scott Decker was named the Outstanding Senior. Others awarded were Matt Schaefer for Unselfish Devotion to the Team, Charlie Baker for...
best Defensive Player, Frank Giddens for Morale and Spirit and Mike Forrest for Most Valuable Player.

CROSS COUNTRY: Kipsubi Koskei was the story in cross country in 1979. He finished third in the nation at the NCAA meet making him an All-American. This came after he managed to finish only sixth at the Western Athletic Conference meet. Coach Bill Silverberg's team improved to a fourth place finish after placing seventh in 1978.

WRESTLING: Coach Ron Jacobsen resigned as head coach after 14 years of leading the Lobo wrestlers. He competed for UNM before that. During his 14 years he compiled an 83-99-2 mark and his 1972 team tied for the WAC championship and finished with a 12-2-1 mark.

Last year Jacobsen's team finished 8-8 in dual competition and placed fifth in the Western Athletic Conference. The team was led by 190-pounder Paul "Yogi" Marfiz, 142-pounder Jeff Gandy and 126-pounder Luke Gilpin. Bill Dotson was named to replace Jacobsen next season.

SWIMMING: Sam Jones completed his third season as UNM's swimming coach and his team gradually continued its improvement. The Lobos finished sixth in a seven-team race with Tom Doyle qualifying for the NCAA meet in the three-meter diving. He placed third in the WAC meet. Tyler Cant was the only individual winner in the Western Athletic Conference meet -- which was staged at UNM -- winning the 200-yard butterfly in a time of 1:52.16. He finished third in the 100-yard butterfly. Tony Hsu was second in the 200-yard individual medley and third in the 400-yard individual medley.
GYMNASTICS: Rusty Mitchell continued to be a consistent winner as his team finished 7-4 overall and won the Regional meet, which featured four WAC teams. Four gymnasts qualified for the NCAA meet in Lincoln, Nebraska and Steve Jennings finished third in the pommel horse. Redshirt Kevin Prady was invited to compete in the Olympic Trials in Jacksonville, Fla.

Jennings, a sophomore from Farmington, N.M., continued to be a magician on the pommel horse, averaging a 9.4 while scoring at least 9.6 eight times in 11 performances. Rick Deluca averaged 9.35 in the rings with a career high of 9.75 at a dual meet against Arizona.

As a team the Lobos averaged 262.28 in 11 meets.

INDOOR TRACK: The Lobos placed fourth as a team at the Region 7 Indoor Championships at Pocatello, Idaho, while qualifying two individuals for the NCAA meet.

Fatwell Kimaiyo won the 60-yard high hurdles at the district and went on to place fifth at the NCAA Championships. Silver-Ayoo was the other Lobo qualifier for the NCAA as he finished second in the District 7 600-yard run.

The Lobos were once again strong individually, but a lack of depth kept them from challenging for any team notice.

SKIING: Heavy snows covered New Mexico this year, and the ski team continued to succeed. The Lobos finished 11th in the nation after winding up second in the Rocky Mountain Intercollegiate Ski Association Championships at Stowe, Vermont. The Lobos won the
regionals and finished second in the conference to Western State. UNM had defeated Western State in every head-to-head race, but was unable to attend one of the races in Utah. With the forfeit Western State was able to capture the title.

At the NCAA meet, freshman Steve Maynard and Craig Schenk competed in the slalom and giant slalom, while sophomore Tarmo Hahto competed in the cross-country races. George Brooks coached the Alpine team while Klaus Weber headed the Nordic team.

OUTDOOR TRACK: Coach Bill Silverber's team placed fourth at the WAC championships in San Diego with 62 points. San Diego State (180) upset Texas-El Paso (149) for the championship while Brigham Young (130) finished third.

The Lobos had three individual winners in the WAC meet. Dwayne Rudd won the long jump with a leap of 24-3\(\frac{3}{4}\); Silver Ayoo took the 400-meter intermediate hurdles in 52.44 and Fatwell Kimaiyo won the 110-meter high hurdles in 14.35.

BASKETBALL: The roof fell in on the University of New Mexico basketball program and when the dust had cleared, eight players and two coaches who had started the season, were no longer part of the program. An FBI investigation found alleged changes in transcripts of UNM basketball players and Coach Norm Ellenberger was terminated while his assistant Manny Goldstein, was forced to resign.

Newly appointed assistant Coach Charlie Harrison was named acting head coach for the remainder of the season, leading a team comprised mostly of walkons to a 6-22 overall record and a 3-11 finish in the WAC.
Forward Kenny Page became the greatest scorer in UNM history, setting school records for points in a season (784) and scoring average (28.0). He was named to the All-WAC team and was the focus of much national attention, including a halftime review on the national telecast of an NCAA semi-final game.

Lobo fans continued their strong support, turning out in excess of 15,000 for nearly every home game.

BASEBALL: Vince Cappelli fielded his second consecutive strong team, but like last year, the Lobos were edged out of postseason play by finishing second in the WAC's Southern Division. Only Hawaii finished ahead of the Lobos and the Rainbows went on to finish second in the College World Series at Omaha.

The Lobos finished the year at 41-22 and 16-8 in WAC play. They dominated the Southern Division All-WAC team with Keith Hagman, Tom Francis, Duffy Ryan, Walt Arnold and Mike Foote all making the squad.

The individual story of the year was first baseman Keith Hagman, who hit the ball in 1980 like no UNM player ever has. He wound up an All-American while leading the country in hitting (.551), hits (125), triples (17) and RBIs (95). Few players in the history of collegiate baseball have ever had a season like Hagman.

Hagman had such an outstanding year that he overshadowed performances by catcher Duffy Ryan and shortstop Tom Francis. Ryan hit .383 while Francis led the WAC in hitting in conference games with a .505 average.
The baseball draft in June reaffirmed the talent of the UNM baseball team. Hagman (8th round to Atlanta), Ryan (9th round to California) and second baseman Mike Foote (30th round to Cincinnati) were all drafted.

GOLF: In what Coach Dwaine Knight called "a difficult year" the Lobo golf team failed to qualify for the NCAA Championships for the first time since 1957. Curt Byrum went to the NCAA tournament and was named to the honorable mention All-American team. He finished 40th.

The fall looked promising for the Lobos as they finished second behind Brigham Young in the William H. Tucker Tournament, but things just did not come together for the young Lobos in the spring. They finished third at the WAC championships in San Diego. BYU, the WAC champ, went on to place second behind Oklahoma State at the NCAA championships.

TENNIS: Tim Russell completed his coaching career at UNM with an overall record of 8-10 in 1980. The Lobos placed fourth at the WAC meet in San Diego.

Russell resigned after five years as head coach to take a job with an Albuquerque tennis club. Mark Hamilton, who has been head coach at Texas Tech, was named to replace Russell.
LOBO WOMEN'S ATHLETIC REPORT
1979-80

GOLF

The Lobo women golfers had one of the most successful years ever. During the year UNM won the Conference Regionals at Ft. Collins, Col., won the University of Washington Invitational, placed second at the U.S. Air Force Meet and third at the Arizona and Brigham Young Tournaments.

The University South Course was the site of the 1980 AIAW Golf Nationals. The Lobos finished a disappointing 12th but sophomore Kris Monaghan added a bright spot when she placed third. The Los Alamos Golfer shot a 74-73-74-72-293 just four strokes off the winner.

SOFTBALL

The Lobo women's team became the first women's team sport to win a Regional Championship as the three year old softball team won the 1980 Intermountain Regional Title in Laramie, Wyo. UNM dropped its first game 0-1 and then came back to win five straight to give the Lobos the Championship. The young Lobo squad finished 13th at the National AIAW Softball Tourney. Two UNM players became the first ever to be named to the All-Conference team. Junior Tammy Goff of Carlsbad, NM was named at catcher and freshman Claire Miller of Scottsdale, AZ was chosen at shortstop. UNM won 32 games this past season and at one point was ranked tenth in the nation.
BASKETBALL

The UNM players had an up and down year as they finished 17-12 overall and 6-4 in conference play. UNM finished in third place in the conference and then lost out in the first round to New Mexico State. Seniors Jean Rostermundt and Mary Redeau were named to the All-Conference team. Coach Kathy Marpe announced her resignation as she accepted a position at the University of San Diego. Doug Hoselton was selected to replace her. A new assistant coach has not been named.

SKIING

Under Coach George Brooks the UNM skiers finished seventh at the AIAW Nationals and fourth at Regionals. UNM received an invitation to Nationals even though only three teams normally qualify, since several of the UNM skiers were injured or sick during Regionals. Jill Wahlquist won the slalom event at Regionals and finished third in the giant slalom.

TRACK

The Lobo women placed sixth at the Indoor Regionals and sixth at the Cross-Country Regionals. In the indoor meet Margaret Metcalf, of Albuquerque, NM, set a meet record in the high jump when she crossed the bar at 5'10½". During the outdoor season UNM won their own invitational and the John Jacobs Invitational. Regina Dramiga placed first in the 400m hurdles while Muff Reinert won the javelin event. Dramiga was the only Lobo to qualify for
nationals. Coach Tony Sandoval was honored as he was selected to coach the 1980 Women's National Cross-Country Team next Fall. It is the third time Sandoval has been selected.

**TENNIS—GYMNASTICS—VOLLEYBALL—SWIMMING**

The bright spot for the women's tennis team this year was the number one doubles team of Ann Layman and Laura Chavez. During the year the two earned an 8-2 record, but still failed to qualify for nationals. Coach Larry Lindsay announced his resignation as he is working towards a career in law. Mary Dietz has been selected as his replacement. Lobo gymnastics suffered through injuries again this year but finished fifth at Regionals scoring a season high 135.95.

The Lobo volleyball team under Coach Cathy Lies finished 5-21 on the year and 0-10 in conference play. Coach Lies resigned this year and was replaced by Mike Hebert. Hebert named Wanda Grissom as his new assistant.

The Lobo swimmers finished fifth at the regional tourney.

**HIGHLIGHTS**

Kris Monaghan finished third in the AIAW National Golf Tournament hosted by UNM, while the Lobo softball team won the Intermountain Regional Championship and placed 13th at Nationals.

Three new head coaches were named and one assistant. Doug Moselton is the new basketball coach. Mary Dietz takes over the tennis duties and Mike Hebert and Wanda Grissom are the new volleyball coaches.
## UNM ATHLETIC FACILITIES
### USE OF FACILITIES

*July 1979 - June 1980*

<table>
<thead>
<tr>
<th>Facility</th>
<th>Event</th>
<th>Total Participants</th>
<th>Total Spectators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stadium</td>
<td>UNM Football - 5 games</td>
<td>917</td>
<td>130,010</td>
</tr>
<tr>
<td>Arena</td>
<td>UNM Basketball - 17 games</td>
<td>700</td>
<td>272,553</td>
</tr>
<tr>
<td>Lobo Field</td>
<td>UNM Baseball - 40 games</td>
<td>1,300</td>
<td>5,000</td>
</tr>
<tr>
<td>Tennis Courts</td>
<td>UNM Tennis - 4 dates</td>
<td>46</td>
<td>300</td>
</tr>
<tr>
<td>Swimming Pool</td>
<td>UNM Swimming -</td>
<td>52</td>
<td>175</td>
</tr>
<tr>
<td>Johnson Gym</td>
<td>Wrestling - 9 matches</td>
<td>285</td>
<td>2,500</td>
</tr>
<tr>
<td>Johnson Gym</td>
<td>UNM Gymnastics - 5 matches</td>
<td>114</td>
<td>6,200</td>
</tr>
<tr>
<td>Golf Course</td>
<td>Tucker Tournament</td>
<td>190</td>
<td>3,000</td>
</tr>
<tr>
<td>Golf Course</td>
<td>UNM Cross Country - 2 meets</td>
<td>47</td>
<td>70</td>
</tr>
<tr>
<td>Arena</td>
<td>UNM Women's Basketball - 16 games</td>
<td>381</td>
<td>4,500</td>
</tr>
<tr>
<td>Johnson Gym</td>
<td>UNM Women's Gymnastics - 2 meets</td>
<td>60</td>
<td>200</td>
</tr>
<tr>
<td>Johnson Gym</td>
<td>UNM Women's Volleyball - 14 games</td>
<td>420</td>
<td>500</td>
</tr>
<tr>
<td>Johnson Gym</td>
<td>All Indoor Intramural Sports &amp; Johnson Gym Fields - Outdoor</td>
<td>44,529</td>
<td>13,000</td>
</tr>
<tr>
<td>Stadium</td>
<td>Intramural Track Championships</td>
<td>356</td>
<td>5,000</td>
</tr>
<tr>
<td>Stadium</td>
<td>NROTC Drills - many times</td>
<td>8,500</td>
<td>500</td>
</tr>
<tr>
<td>Arena</td>
<td>Sports Car Club Races - many times</td>
<td>2,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Stadium</td>
<td>State H.S. Football</td>
<td>115</td>
<td>6,000</td>
</tr>
<tr>
<td>Swimming Pool</td>
<td>Open use for swimming &amp; Johnson Gym for recreational use</td>
<td>250,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Arena</td>
<td>State Drill Championships</td>
<td>950</td>
<td>2,000</td>
</tr>
<tr>
<td>Arena</td>
<td>Cheerleading Clinic</td>
<td>625</td>
<td>1,500</td>
</tr>
<tr>
<td>Stadium</td>
<td>Special Olympics</td>
<td>1,200</td>
<td>6,000</td>
</tr>
<tr>
<td>Arena</td>
<td>Harlem Gobetrotters</td>
<td>66</td>
<td>8,225</td>
</tr>
<tr>
<td>Arena</td>
<td>Youth Religious Conference</td>
<td>125</td>
<td>7,500</td>
</tr>
<tr>
<td>Arena</td>
<td>H.S. Graduations</td>
<td>4,526</td>
<td>16,000</td>
</tr>
<tr>
<td>Stadium</td>
<td>American Legion - July 4</td>
<td>160</td>
<td>25,000</td>
</tr>
<tr>
<td>Arena</td>
<td>PEC Concerts -.6</td>
<td>400</td>
<td>50,000</td>
</tr>
<tr>
<td>Donated Land</td>
<td>Little League Baseball</td>
<td>8,500</td>
<td>13,000</td>
</tr>
<tr>
<td>Lobo Field</td>
<td>Amateur Baseball</td>
<td>2,700</td>
<td>7,000</td>
</tr>
<tr>
<td>South Fields</td>
<td>Youth Soccer</td>
<td>3,600</td>
<td>8,000</td>
</tr>
<tr>
<td>South Fields</td>
<td>Amateur Softball Practice</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>Stadium</td>
<td>UNM Women's Track</td>
<td>185</td>
<td>1,200</td>
</tr>
<tr>
<td>Stadium</td>
<td>Women's H.S. Track - 3 meets</td>
<td>182</td>
<td>1,200</td>
</tr>
<tr>
<td>Stadium</td>
<td>State Women's H.S. Track</td>
<td>195</td>
<td>4,700</td>
</tr>
<tr>
<td>Stadium</td>
<td>State Men's H.S. Track</td>
<td>225</td>
<td>14,000</td>
</tr>
<tr>
<td>Stadium</td>
<td>State H.S. All-Star Football</td>
<td>65</td>
<td>9,000</td>
</tr>
<tr>
<td>Arena</td>
<td>State H.S. All-Star Basketball</td>
<td>24</td>
<td>6,000</td>
</tr>
<tr>
<td>Arena</td>
<td>NMAA Board Meetings - several</td>
<td>212</td>
<td>50</td>
</tr>
<tr>
<td>Arena</td>
<td>NMHS Coaches Association</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Stadium</td>
<td>YAFL Playoffs</td>
<td>360</td>
<td>4,500</td>
</tr>
<tr>
<td>Golf Course</td>
<td>Dick McGuire Tourney</td>
<td>100</td>
<td>1,000</td>
</tr>
<tr>
<td>Golf Course</td>
<td>AIAW Championships</td>
<td>500</td>
<td>3,000</td>
</tr>
<tr>
<td>Facility</td>
<td>Event</td>
<td>Total Participants</td>
<td>Total Spectators</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------------------------------</td>
<td>--------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Arena</td>
<td>Albuq. Journal Gymnastics (2)</td>
<td>30</td>
<td>30,000</td>
</tr>
<tr>
<td>Arena</td>
<td>Japan Nationals - Gymnastics</td>
<td>20</td>
<td>15,000</td>
</tr>
<tr>
<td>Johnson Gym</td>
<td>High School Graduations - 4</td>
<td>3,000</td>
<td>16,000</td>
</tr>
<tr>
<td>Arena</td>
<td>Albuq. Fire Dept. Training</td>
<td>450</td>
<td></td>
</tr>
<tr>
<td>Tennis Courts</td>
<td>Open Tennis to public</td>
<td>11,000</td>
<td>500</td>
</tr>
<tr>
<td>Tennis Courts</td>
<td>NM Open Tennis Championships</td>
<td>85</td>
<td>350</td>
</tr>
<tr>
<td>Golf Course</td>
<td>Albuquerque Women's Tournament</td>
<td>87</td>
<td>2,000</td>
</tr>
<tr>
<td>Golf Course</td>
<td>Albuquerque Men's Tournament</td>
<td>400</td>
<td>4,000</td>
</tr>
<tr>
<td>Stadium</td>
<td>Track- Jogging, etc.</td>
<td>2,000</td>
<td></td>
</tr>
<tr>
<td>Complex</td>
<td>Racquetball Courts</td>
<td>2,500</td>
<td></td>
</tr>
<tr>
<td>Complex</td>
<td>Weight Room - non UNM use</td>
<td>2,500</td>
<td></td>
</tr>
<tr>
<td>McDavid Room</td>
<td>APS Counselors</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>McDavid Room</td>
<td>UNM Admissions</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td>McDavid Room</td>
<td>Alumni Board</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>McDavid Room</td>
<td>Purchasing - Bid Openings</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Johnson Gym</td>
<td>PEC Concerts - 2</td>
<td>100</td>
<td>10,000</td>
</tr>
<tr>
<td>Golf Course</td>
<td>Open to Public</td>
<td>45,000</td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td><strong>403,609</strong></td>
<td><strong>857,843</strong></td>
</tr>
</tbody>
</table>
### APPOINTMENTS TO STAFF

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>From</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Bridgers</td>
<td>Director of Athletics</td>
<td>Dec '79</td>
</tr>
<tr>
<td>Shirley Bowling</td>
<td>Administrative Secretary</td>
<td>Feb '80</td>
</tr>
<tr>
<td>Joe Morrison</td>
<td>Head Football Coach</td>
<td>Dec '79</td>
</tr>
<tr>
<td>Ellsworth Bender</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Joe Dunn</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Thomas Kurucz</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Thomas McMahon</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Gordon Norwood</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>George Pugh</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>James Washburn</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Gary Colson</td>
<td>Head Basketball Coach</td>
<td>Dec '79</td>
</tr>
<tr>
<td>Robert Thate</td>
<td>Assist. Basketball Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Robert Lamphier</td>
<td>Assist. Basketball Coach</td>
<td>May '80</td>
</tr>
<tr>
<td>William Dotson</td>
<td>Head Wrestling Coach</td>
<td>May '80</td>
</tr>
<tr>
<td>Elaine Hogan</td>
<td>Clerical Specialist V</td>
<td>Feb '80</td>
</tr>
<tr>
<td>Teresa Charles</td>
<td>Clerical Specialist V</td>
<td>Aug '79</td>
</tr>
<tr>
<td>John Keith</td>
<td>Sports Information Dir.</td>
<td>Oct '79</td>
</tr>
</tbody>
</table>

### SEPARATIONS FROM STAFF

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>From</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lavon McDonald</td>
<td>Director of Athletics</td>
<td>Oct '79</td>
</tr>
<tr>
<td>Judith Klinker</td>
<td>Administrative Secretary</td>
<td>Feb '80</td>
</tr>
<tr>
<td>Teresa Charles</td>
<td>Clerical Specialist V</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Doris Chasey</td>
<td>Department Secretary</td>
<td>July '79</td>
</tr>
<tr>
<td>John Gonzales</td>
<td>Sports Information Dir.</td>
<td>Aug '79</td>
</tr>
<tr>
<td>Norm Ellenberger</td>
<td>Head Basketball Coach</td>
<td>Dec '79</td>
</tr>
<tr>
<td>Manny Goldstein</td>
<td>Assist. Basketball Coach</td>
<td>Dec '79</td>
</tr>
<tr>
<td>Charlie Harrison</td>
<td>Assist. Basketball Coach</td>
<td>March '80</td>
</tr>
<tr>
<td>Robert L. Ford</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Gary Griffin</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Rufis Higgins</td>
<td>Assist. Football Coach</td>
<td>June '80</td>
</tr>
<tr>
<td>Ronald Jacobson</td>
<td>Wrestling Coach</td>
<td>May '80</td>
</tr>
<tr>
<td>Robert James</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Walter Klinker</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>William Mondt</td>
<td>Head Football Coach</td>
<td>Nov '79</td>
</tr>
<tr>
<td>Timothy Russell</td>
<td>Head Tennis Coach</td>
<td>June '80</td>
</tr>
<tr>
<td>Ike Singer</td>
<td>Associate Director</td>
<td>June '80</td>
</tr>
<tr>
<td>William Waters</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Richard Winder</td>
<td>Assist. Football Coach</td>
<td>Jan '80</td>
</tr>
<tr>
<td>Catherine Lies</td>
<td>Head Volleyball Coach</td>
<td>June '80</td>
</tr>
<tr>
<td>Lawrence Lindsay</td>
<td>Head Tennis Coach—Women's</td>
<td>May '80</td>
</tr>
<tr>
<td>Kathleen Marpe</td>
<td>Head Basketball Coach—Women's</td>
<td>June '80</td>
</tr>
<tr>
<td>Bill Silverberg</td>
<td>Head Track Coach</td>
<td>June '80</td>
</tr>
<tr>
<td>Richard Harden</td>
<td>Assist. Sports Information Dir. for Women &amp; Assist. Basketball Coach for Women</td>
<td>June '80</td>
</tr>
</tbody>
</table>
Chicano Studies sponsored a film festival in November, 1979. Films on the Mexican Revolution, Chicano-Mexicano relations, and Chicano society and culture were shown at the SUB theatre, the Anthropology Lecture Hall and Don Pancho's Theatre. *Raices de Sangre*, a full-length commercial movie depicting conditions along the United States - Mexico border, was shown to the general public at Don Pancho's. Jesus Trevino, director of *Raices*, was present for the first showing and introduced the film. Dr. Arnaldo Cordova, political science professor at the Universidad Autonoma de Mexico, was a featured speaker before the showing of, *Memorias de un Mexicano* an outstanding documentary made with actual footage from the Mexican revolutionary years, 1910-1920. Professor Cordova, a noted scholar on the Mexican Revolution, also lectured to a group at the Ortega Reading Room on the UNM campus. His presentation was co-sponsored by Chicano Studies and the Latin American Institute.

During the spring semester, Provost Hull appointed a task force to explore the possibilities of establishing a Southwest studies research institute. The coordinator of Chicano Studies was one of the members. A proposal was completed and submitted to Provost Hull and others in late spring. Tentative plans have been formulated for the establishment of a Southwest studies institute by fall, 1980.

If an institute is created, Chicano Studies will play a major part in its development. Chicano Studies has already provided financial support - personnel, supplies, and space - to carry-out the work of the task force, and it will continue to provide support in the future work of the institute. The proposal submitted by the task force is only the last in a series of similar recommendations made by Chicano Studies in the past. Certainly the idea for a research institute
has been discussed and developed for the last decade. With the necessary support, we are hopeful that a research institute of the kind envisioned will greatly enhance our research capabilities. Chicano Studies will work in a cooperative effort towards establishing a solid research component.

The Academic Coordinator attended several meetings and professional conferences throughout '79-'80. On December 10-11, 1979, Tobias Duran attended a meeting of the Committee on International Education in Washington, D.C. On April 25-26, 1980 Duran attended the Western Social Science Association Conference held in Albuquerque, New Mexico. Duran also served as moderator on a panel during Mexico Week sponsored by NMSU/UNM Joint Conference on Latin America held at UNM. In May, 1980, Duran was a panelist in a seminar at Stanford University attended by humanist scholars from throughout the Southwest. Also, in May, 1980, he attended a conference on minorities in higher education in San Francisco, Calif.
UNIVERSITY OF NEW MEXICO
GENERAL LIBRARY

Annual Report, 1979-80

Paul Vassallo
Dean of Library Services
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRODUCTION</td>
<td>1</td>
</tr>
<tr>
<td>ADMINISTRATIVE SERVICES AND OFFICE OF THE DEAN</td>
<td>5</td>
</tr>
<tr>
<td>Personnel</td>
<td>5</td>
</tr>
<tr>
<td>Buildings</td>
<td>6</td>
</tr>
<tr>
<td>Fiscal Services</td>
<td>7</td>
</tr>
<tr>
<td>Systems and Development</td>
<td>7</td>
</tr>
<tr>
<td>COLLECTION DEVELOPMENT DIVISION</td>
<td>9</td>
</tr>
<tr>
<td>Buying Patterns</td>
<td>10</td>
</tr>
<tr>
<td>Grants and Gifts</td>
<td>11</td>
</tr>
<tr>
<td>Funding</td>
<td>13</td>
</tr>
<tr>
<td>READERS' SERVICES DIVISION</td>
<td>15</td>
</tr>
<tr>
<td>Government Publications and Maps Department</td>
<td>15</td>
</tr>
<tr>
<td>Skills Center</td>
<td>17</td>
</tr>
<tr>
<td>Additional Service Hours</td>
<td>18</td>
</tr>
<tr>
<td>Library Instruction</td>
<td>19</td>
</tr>
<tr>
<td>Community Outreach</td>
<td>20</td>
</tr>
<tr>
<td>Onsite Programs</td>
<td>22</td>
</tr>
<tr>
<td>Parish Library</td>
<td>23</td>
</tr>
<tr>
<td>Fine Arts Library</td>
<td>24</td>
</tr>
<tr>
<td>John Donald Robb Archive</td>
<td>25</td>
</tr>
<tr>
<td>Special Collections</td>
<td>25</td>
</tr>
<tr>
<td>Staff Development</td>
<td>27</td>
</tr>
<tr>
<td>Operational Improvements</td>
<td>28</td>
</tr>
<tr>
<td>Space and Equipment</td>
<td>29</td>
</tr>
<tr>
<td>TECHNICAL SERVICES DIVISION</td>
<td>31</td>
</tr>
<tr>
<td>Acquisitions</td>
<td>31</td>
</tr>
<tr>
<td>Bibliographic Control</td>
<td>32</td>
</tr>
<tr>
<td>Retrospective Conversion</td>
<td>33</td>
</tr>
<tr>
<td>Inventory</td>
<td>34</td>
</tr>
<tr>
<td>Serials Reconciliation Project</td>
<td>35</td>
</tr>
<tr>
<td>Serials Exchange</td>
<td>35</td>
</tr>
<tr>
<td>Serials Authority File</td>
<td>35</td>
</tr>
<tr>
<td>CONCLUSION</td>
<td>37</td>
</tr>
<tr>
<td>Size and Growth of the Collections</td>
<td>38</td>
</tr>
<tr>
<td>Other Materials in the General Library</td>
<td>39</td>
</tr>
<tr>
<td>Readers' Services Statistics</td>
<td>40</td>
</tr>
<tr>
<td>Library Expenditures</td>
<td>41</td>
</tr>
</tbody>
</table>
INTRODUCTION

As the UNM General Library moved out of the decade of the 70s into the 80s it is worth reflecting on the progress that has been made in the past decade, while recognizing that much more still needs to be done in the quest for this library to become a true research library.

The size of the collections in the General Library almost doubled, with the total number of cataloged volumes in the library on June 30, 1970 being 533,344 and on June 30, 1980 being 999,978.

The gross number of volumes added to the collections in 1969-70 was 38,667, in 1979-80 it was 52,826, a 37 percent increase.

The size of the acquisitions budget allocated by the university has increased from approximately $280,000 in 1969-70 to approximately $1,006,000 in 1979-80. It should be noted that the library also received an additional $102,000 in Title II HEA funds in 1969-70 and had available an additional $170,000 in carried over bond funds in 1979-80.

While these figures indicate a rather dramatic increase in book funds, the impact was significantly reduced by the most drastic inflationary increases in the prices for library materials in the decade. The average price of a book in 1969-70 was $10.10, in 1979-80 it had escalated to $24.50. What is even more dramatic is the fact that the cost of journal subscriptions has more than tripled in this period.

At the same time the Higher Education Price Index has gone from a figure of 113.2 in 1969 (1967 being 100) to a figure of 217.1 in 1979.
The library books and periodicals component of that index has increased from 106.5 to 316.2 in the same years. This means that the purchasing power of the library has increased only 3.7 percent in the decade, despite a 46 percent increase in student enrollment at UNM, from 15,070 in 1969-70 to 22,033 in 1979-80.

In comparison, the University of Arizona Library has increased the size of its collections from 1,506,362 in 1969-70 to 3,875,330 in 1979-80, a 257 percent increase. In 1969-70, 51,938 volumes were added to the University of Arizona library collections, in 1979-80 95,990 volumes were added, a 185 percent increase.

What is most significant, however, is the fact that while the University of Arizona acquisitions budget in 1969-70 was $676,702 (almost double UNM's!) the 1979-80 acquisitions budget was $2,921,523 (almost triple UNM's). This represents a 432 percent actual increase and a 46 percent increase in purchasing power.

Thus, we see that while tremendous strides have been made by the UNM General Library in the past decade, we are still trying to play a catch-up game with our sister institutions in the southwest.

While a purely statistical analysis indicates negligible progress in the past decade, there exist other evidence of the leadership role being played by the General Library in the state and the nation. In early June, 1980, the University and the General Library hosted the XXV Annual Meeting of the Seminar on the Acquisition of Latin American
Library Materials (SALALM). The General Library was responsible for planning the conference, which included participation by libraries, book dealers, publishers and other interested Latin Americanists from not only all over the United States but Latin America, the Caribbean and Europe. The Ibero-American team, under the direction of Mina Jane Grothey, contributed the major coordinating effort to what was widely acclaimed by participants as a spectacularly successful conference.

The Dean of Library Services chaired the New Mexico delegation to the White House Conference on Libraries and Information Services held in Washington, D.C. on November 15-19, 1979. The resulting resolutions and plans emanating from the conference are expected to provide future direction to the improvement of library and information services at the local, state, regional and national levels.

The dean also initiated efforts that resulted in the formation of an organization of the leading academic research libraries in the southwest. The Council of Academic Research Libraries in AMIGOS (CARLA) was established as a result of a meeting organized by the dean in October, 1979, in Washington, D.C., subsequent meetings in Austin, Texas in December, 1979, and in Albuquerque in late April, 1980 further defined the role CARLA is to play in library leadership in the southwest and the nation. The membership of CARLA includes Rice University, University of Houston, New Mexico State University, Texas A&M University, Texas Tech University, University of Arizona, University of Oklahoma, University of Arkansas, Arizona State University, Oklahoma State University and University of New Mexico.
The principal objective of CARLA is to identify areas in which the members can contribute to the improvement of bibliographic access and other areas of resource sharing in the region. One of the major objectives is to enable the member institutions to continue their participation in OCLC as well as benefit from an association with the Research Libraries Group (RLG).
Administrative Services serves all areas of the General Library: Zimmerman, Fine Arts, Parish and Tireman. Included in the services rendered are those of systems and development; fiscal matters; personnel; maintenance, safety and security of the buildings; and the office of the dean.

PERSONNEL

The library's first post-master's intern began working July, 1979. Russ Davidson, Latin Americanist, floated from department to department during his first three months and was then placed on the Ibero-American cataloging team. During the year, a recruitment effort was launched for a 1980 intern. This person will be experienced in library instruction and will be coordinating the library's instruction program.

Search committees were formed to recruit and screen for ten permanent faculty positions during fiscal year 1980. They were: Head, Acquisitions; Assistant Dean for Collection Development; Assistant Government Publications, Physical Science Reference, Ibero-American, Tireman and Assistant Ethnic Studies Reference librarians; Ibero-American cataloger; Head, Government Publications and Head, Parish Library. All except the assistant dean and physical sciences reference positions were filled. Four temporary librarians were hired: two acting heads of Parish, acting assistant government publications librarian, and resource development librarian.
A formal effort to advise faculty who will be facing their mid-way evaluations was made for the first time this year. A format and suggested packaging of dossiers was developed and distributed to the faculty members affected.

The staff development function has increased, as expected. This year's staff development programs included monthly professional roundtable discussions; workshops on interviewing, being interviewed, telephone procedures, time management and analyzing performance gaps; tours of the law, medical and Sandia libraries; safety workshops by Bill Carroll, campus safety officer and problem patron workshops by Pam Boyer of Campus Police.

The staff development efforts which are being made by the library will change with the adoption of the Higher Education Management Institute (HEMI). The library administration's recommendation is that each supervisor administer the Leadership Effectiveness Questionnaire (LEQ) to his/her own work group. The results of the LEQ may then be used to help determine which training modules would be most useful for the group. The Assistant to the Dean for Management will work with the supervisors in setting up and teaching the HEMI modules.

BUILDINGS

In order to make better use of space, reduce noise and improve visual security, both the main floor and lower level reference areas were completely rearranged and an enclosed office area was built for the reference department personnel.

Additional large shifts were made during the year. The government
publications office switched places with the copy/media storage area, and
the third floor was remodeled to accommodate the Basic Skills Center. A
security system was installed in the Meem area, and the security of the
special collections housed in the Fine Arts Library was improved by the
enclosure of the balcony area. A regular pest extermination program was
begun in both Zimmerman and Parish Libraries.

FISCAL SERVICES

The library's accountant helped the newly incorporated Friends of the
University of New Mexico Libraries establish their tax exempt status and
prepare reports on their funds balances and a projection of their income
and expenses. The office staff accepted the responsibility of monitoring
the budget of the Friends as well as of the newly established Basic
Skills Center.

An increased interlibrary loan service level to CDS laboratories in
Colorado necessitated the writing of a contract allowing the library to
supply such services. The office accepted additional requisition and
billing responsibilities for the on-line data base search service; for
interlibrary loan, including the contracts with CDS and Sandia Laborato-
ries; and for the Copy/Media Center.

SYSTEMS AND DEVELOPMENT

The Assistant to the Dean for Systems and Development (ADS) was ac-
tively involved in plans for the inventory control system. A trip was
organized to vendor installations in Washington and Nebraska, about
35 memos or reports were drafted on the subject, and a presentation was made to the Provost’s Council. In May, four years to the month since study and planning began, the university released a Request for Proposal for the system.

The ADS also worked as coordinator for Basic Skills Center during the fall and summer semesters, and he coordinated the library’s response to questionnaires and surveys. During the year, 37 collection instruments were filled out and returned.
COLLECTION DEVELOPMENT DIVISION

The Collection Development Division accomplished many things in its first full year of existence under the new organizational plan. Most importantly, perhaps, the solidifying of the organizational structure was achieved. The general opinion of the subject selectors and the Acting Assistant Dean is that having the selection responsibilities decentralized throughout the General Library has allowed the library staff to better serve the needs of the entire university community. Having the selection function rest with many librarians allows those librarians to offer more specialized service to the teaching departments and to use their subject expertise and their knowledge of the General Library's collections for the rational development of the collection.

There are presently 31 librarians involved in the selection of materials for the General Library. Some of these selectors are the primary library liaison for one or two teaching departments, while some are involved with selecting for area studies programs. Some of the selection assignments have changed during the year as new librarians have been hired and as some other library faculty members with subject expertise have been brought into the selectors' ranks. Being the library's liaison with a particular department or program has permitted the faculty member to become more intimately acquainted with many of the faculty and students in those departments and programs. It has allowed the librarian to become even better acquainted with the areas of concentration and the various degree requirements for their areas of specialization. In many cases,
the person who selects for a department is also the reference, library instruction, and on-line search-service expert in that area. This total service program is one of the best features of the new divisional organization. Another outstanding organizational feature is that selectors have primary appointments in every department in the library—some are reference librarians, some are catalogers and some are acquisitions or serials librarians. Having many people from many departments involved in selection has added to the cohesion of the library's faculty. This involvement of so many in one of the General Library's most important functions is, indeed, a significant accomplishment.

BUYING PATTERNS

Even though the allocated book budget for the General Library is not adequate for a research library, another significant achievement of the 1979/80 fiscal year was obvious in the buying patterns that emerged throughout the year. In the fall of 1979 the selectors, together with the Dean, recognized overtly that the percentage of funds spent on serials and continuations would have to be allowed to float upwards. This conclusion was reached after several months of intense evaluation of serials in every subject area and the cancellation of extraneous titles. This cancellation project was coupled with the serials reconciliation project which has allowed the librarians to have hands-on experience with all the currently received serials titles in the library's collection. However, after the fat had been trimmed away, it became obvious to everyone that there are journals in every field that cannot be excluded from any research library.
The conclusion that core serials had to be added was also obvious. Some faculties, those in the sciences are a good example, depend heavily on serials for the support of their research.

**GRANTS AND GIFTS**

The completion of the Japan Grant was another achievement of the year. The General Library, through the good auspices of the Japanese Government, purchased many materials on Japan that have greatly increased the library's Asian holdings. The Japanese Government very kindly gave the General Library $10,000.00 to spend for these materials. Materials bought covered every possible subject area, from art to history, from literature to economics. In honor of the completion of the Japan Grant, a reception was held in the west wing of the library. Also, a special Japan Day celebration was held in conjunction with the Albuquerque Public Library and the Albuquerque Museum.

During the spring of the year, plans for a grant for materials on and about Quebec were made. The terms of the grant allow the General Library to buy Quebecois materials of its choice up to a total of $1,000.00. The Quebec government will reimburse the library for half of the amount spent. Grants such as these are very useful to the General Library because they allow for growth in areas in which the library's holdings are weak.

A half-time, temporary resource development librarian, whose duties included identifying funding sources for specific projects, grant writing, publicity and planning receptions in conjunction with the Friends was hired in January.

During his tenure, he coordinated the preparation of three grant
proposals. "A Documentation of the Navajo and Hopi Indian Relocation Dispute" was funded at $73,855.00 by the National Endowment for the Humanities Special Projects Division. The Greater UNM Fund supported "A Keepsake Volume for the University of New Mexico Libraries' One Millionth Acquisition Celebration" at $1,000.00.

The third project, "Mexicana and Mesoamericana in the University of New Mexico Libraries: An Annotated Guide," was submitted to the Research Resources Division of the National Endowment for the Humanities to be funded at $86,314.00.

Many significant gifts were received by the General Library during the 1979/80 fiscal year. Gifts from the Friends of the UNM Libraries included the book, Che! Wah! Wah! Or the Modern Montezumas in Mexico. The book, an account of a tour that a party of Easterners made to New Mexico and Mexico, was published in Rochester, New York in 1883. The photographs of the places the tourists went are particularly valuable. The other gift from the Friends was a rare pamphlet entitled "To the Congress of the United States, by R. H. Weightman, Senator-elect, State of New Mexico, Requesting the Passage of a Bill Declaring New Mexico One of the United States of America on Certain Conditions." This document was printed in 1851, sixty-one years before New Mexico finally achieved statehood.

Several other noteworthy gifts include the Bainbridge Bunting gift of architectural material, Van Deren Coke's gift of photographic material, and the Bernice Frost Archive of piano pedagogy.
Perhaps the most significant recurring problem throughout the entire year was that of library funding. The appropriated budget for the 1979/80 fiscal year was so inadequate that Dean Vassallo carried the case for an additional allocation to the university administration. He was successful in his endeavors, and in the fall the General Library received an additional $150,000.00 for library materials. He was aided in his presentation by an Ad Hoc Steering Committee on Library Funding, chaired by Professor Claude-Marie Senninger. This committee obtained almost unanimous support from the teaching faculty for additional funds being diverted to the library for the purchase of necessary research materials. Petitions with the signatures of almost all teaching faculty were presented to the administration, and this show of strength was both formidable and useful. However, that additional money was a one-time allocation, and it has not solved the problem, which is in every way an ongoing one. It is imperative that the funding for the General Library reach a level that will allow both for inflation and growth. Until the base on which appropriations are figured reaches a level that will allow for both growth and inflation, the General Library will not be able to adequately serve the educational needs of its patrons. How to get the level of funding to an adequate point is the most pressing problem facing the General Library.

In times of decreasing purchasing power, the need for collection development cannot be overemphasized. Having someone to supervise the
buying that can be done is imperative when a library does not have the resources to buy all the worthwhile materials needed for a research facility. Someone has to be in a position to coordinate the development of the collection and weigh the relative merits of the materials needed.
READERS' SERVICES DIVISION

Major changes took place in the Readers' Services Division this year as a result of organizational changes and many important staffing appointments. A new Government Publications and Maps Department was created on October 1, the Tireman Learning Materials Library became part of the Reference Department on February 1, and a Skills Center was developed to offer tutoring support for the Basic Skills Program.

GOVERNMENT PUBLICATIONS AND MAPS DEPARTMENT

Plans which had long been underway for a greater emphasis on government publications as research resources materialized this year in the formation of a separate Government Publications and Maps Department (GPMD). With the hiring of an experienced department head and the back-up of an additional faculty position, this collection took on a more visible role both on and off campus. During September, the Federal Depository Inspector completed a regular review of our activities. While our internal handling of this function was found to be very satisfactory, the duties of a regional depository library, which are to serve the general public and to coordinate the activities of the state's partial depository libraries, were not being met satisfactorily. The fact that the New Mexico State Library, New Mexico's other regional depository library, is even less able to support outreach activities for federal documents resulted in an agreement between the two regional depositories that we would take on the duty of circulating to the depository libraries in the state a list of all
duplicate and discarded items available for exchange, establishing an efficient system for disposal of all unwanted items. At the same time a Government Publications Newsletter was started. This monthly publication contains a selected list of newly arrived items and is sent to UNM faculty and other interested individuals. It stimulates awareness and use of the wealth of material we receive free from the U.S. Government Printing Office.

Prior to 1968 when the General Library became a regional depository, the collection was far from comprehensive. To rectify this, retrospective purchases included three complete microfiche collections of all congressional hearings and congressional committee prints through 1969 and all pre-1945 non-decennial census publications. These three collections are unique within the state. A guide to the collections was prepared for patrons' use.

The increased activity in use of federal publications was supported by better internal management which included the shift of an additional clerical position to the department, two surveys on the use of documents done by the Circulation Department, cross-training of Government Publications and Maps personnel, rejoining of the Federal Documents Expediting Project on a selective basis, assignment of an additional stack tower level to the GPMD and a shelving rearrangement that made popular and frequently used New Mexico maps more accessible.

Although the map collection is the largest in the state, it needs to be strengthened in the area of Latin American maps. It will also be more accessible to the entire state if it is cataloged on OCLC. These
projects will be addressed in the near future.

**SKILLS CENTER**

The Skills Center was organized at the beginning of fall semester as the General Library's contribution to the new Basic Skills Program on campus. Volunteers from both Readers' Services and Technical Services Divisions devoted many hours to organizing and operating this facility in its first year. Primary tutoring personnel were provided by the College of Education, the English Department Tutorial Program and Arts and Sciences counseling staff. Many volunteer tutors came from classes where a teaching practicum was required. A wide variety of General Library personnel assisted in library tours for the basic skills classes. An intern from the Secondary and Adult Education Department also contributed to these efforts.

The main activity of the center was to provide individual tutoring to students referred by teaching faculty in the Basic Skills Program. However, a steady flow of walk-in patrons appeared as students became aware of the fact that help was available for other freshman level courses. A series of lectures were offered on study skills, including such topics as how to use the textbook to advantage, how to write an essay examination question, and how to take notes. These lectures were taped and offered again on television to individuals as requested. Services improved over the year as more paid tutors were provided and a greater reliance was placed on small group instruction for a specific problem.
encountered by several students in one or more of the basic skills courses.

The Skills Center, located on the third floor of Zimmerman, provided good lounge and carrel study space, rooms for small and large group instruction and adequate office and reception desk facilities. The integration of the facility as just one more library service helped remove any negative image for the students using it. The good peer example provided by other students studying in the area soon resulted in the center's users taking advantage of nearby study space as they learned to apply themselves to individual learning. The Skills Center was publicized through classes, by the use of its space as the location for presenting the Outstanding Teacher Awards and by a large open house reception on October 10.

ADDITIONAL SERVICE HOURS

The General Library attempted to respond to changes in the number of classes offered in the late afternoon and evening. A brief questionnaire was sent to faculty teaching these classes to survey library needs which students identified. As a result of the questionnaire, a cost analysis was prepared to show the specific expense for adding hours and higher level services to each library location. Until this additional funding is available, the library made some adjustments by rearranging priorities and schedules as follows:
1. The Listening Center hours in the Fine Arts Library were changed to include 1 p.m. to 5 p.m. on Saturday. The center is now open during 5 p.m. to 7 p.m. on weekday evenings.

2. The Zimmerman Library remained open for study until 2 a.m. during the ten days of final examination periods.

3. The Special Collections Department now remains open on Tuesday evening as well as Wednesday evening during the last half of each semester when research activity increases.

4. The Tireman Learning Materials Library added Wednesday evening hours from 6 p.m. to 9 p.m.

5. The Government Publications and Maps Department added service by full-time staff or graduate students on evenings during the week, on Saturdays from 10 a.m. to 3 p.m. and on Sundays from noon until 9 p.m.

LIBRARY INSTRUCTION

The demand for additional library instruction and orientation seems to be an ever expanding phenomenon. The program spans a wide variety of instruction from tours for kindergarten classes to in-depth workshops for engineering students. A great increase in the number of library tours occurred because this type of orientation was offered to all of the basic skills classes and many more tours were given to high school students as a part of the university's recruitment program. In order to meet the increased demands for instruction in specific subject areas, the
orientation tours for the freshman English 101 students were provided by
the teaching assistants for these classes. Reference librarians working
with the teaching assistant coordinators set up a program which was then
carried out by the English TAs. A similar structure was used for Biology
121.

The numbers of classes or groups receiving orientation or instruction
were:

<table>
<thead>
<tr>
<th>Classes</th>
<th>1978/79</th>
<th>1979/80</th>
<th>% change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>382</td>
<td>406</td>
<td>+ 6.3</td>
</tr>
<tr>
<td>Students</td>
<td>7,744</td>
<td>9,444</td>
<td>+21.9</td>
</tr>
</tbody>
</table>

COMMUNITY OUTREACH

One of the major projects undertaken in the Readers' Services Divi­sion this year was the White Cone Project, a massive program of creating
a taped oral history of the relocation of the people in the joint use land
area of the Navajo and Hopi reservations. Begun under grants from the
Greater UNM Fund, the recent receipt of a National Endowment of the Hu­manities grant of $73,000 will insure a complete record of negotiations,
the effects on people involved, as well as other additions to the music
and ceremonial tapes in the Fine Arts Library.

In response to requests for service from the off-campus community,
the Readers' Services Division attempted to provide cooperation if pri­mary campus service was not impacted. For example, contracts with the
Sandia Laboratories and C.D.S. Laboratories were made to provide materials
and services through interlibrary loan procedures. Actual costs were
defined and interlibrary loan services as well as on-line searching services were offered at cost to outsiders, including Friends of the University Libraries. Added to the previous methods for serving the off-campus community were new forms of organizational memberships to the Friends and an extensive increase in agreements with local high schools to serve their faculties. More tours were given to high school groups and special lectures were given to school groups on southwestern music and black studies.

The Special Collections Department cooperated with the city wide Japan celebration through exhibits of materials purchased by a grant from the Japanese government and also contributed to programs of the Latin Americanists on campus with an exhibit on Brazil, an exhibit on Mexico and assistance on the annual meeting of the Seminar on Acquisitions of Latin American Materials (SALALM). The Circulation Department set up special reserve services for the Latin American Education Administration Program whose students did not know English.

Cooperation with the Museum of Albuquerque continued with the first COM printouts of the cooperative photograph index used in the identification of photographs for the museum's railroad exhibit, the Japan celebration, and a contract for joint publication of a guide to materials on Albuquerque in the UNM holdings and facsimiles of materials held in Special Collections. The Special Collections Department also experienced its usual large number of visiting scholars and individuals interested in rare materials and southwestern subjects.
The General Library also accepted the responsibility for organizing materials for the State Education Department Adult Education programs, hired a temporary employee to review the material and placed the items in regular use in the Tireman Learning Materials Library for long term loans to remote programs.

The Readers' Services staff took a major part in a "Media Day" program devoted to introducing representatives from the media to university services and facilities, planning the library's part of the program and providing the exhibits and presentations of special library services.

ONSITE PROGRAMS

One of the neglected areas of library service which the General Library attempted to correct this past year was the lack of adequate service to UNM onsite programs of the College of Education and the Continuing Education Division. Recommendations were made for setting up and developing libraries to support the Los Alamos Branch and the Eastern Valencia County Satellite Center at Belen. Consultation was provided to the library/media personnel at the Gallup Branch. Library personnel made inspection visits to programs at Chama, Zuni, Acoma and Laguna. Tentative plans were worked out to supply needed materials to students in these programs. A proposal was made for an extension or onsite librarian who would develop channels for interlibrary and local library support, and provide instruction to students on the use of library resources. As an interim solution, a research assistant was hired by the onsite programs.
to work with their students who will be on campus during the summer of 1980 and to arrange for shipping materials on loan to the remote locations.

PARISH LIBRARY

Efforts to make the collection reflect a clear business management orientation continued in 1979-80. The transfer of materials on business education, vocational guidance, economic geography, communication and transportation was completed.

Parish is committed to a journal collection which is supported by its indexing media and a collection which provides the current awareness required by the curriculum of ASM. To this end, the titles indexed in Business Periodicals Index (BPI) were examined for possible purchase for Parish. All appropriate titles housed in Zimmerman were transferred to Parish, a number of additional titles which had been evaluated favorably by ASM faculty were ordered, and several titles previously cancelled were reinstated. In addition to hard copy, microfilm was ordered for those titles which need to be retained and back orders of microfilm were placed to complete runs. A list was produced of all periodicals indexed in BPI and library holdings are indicated. Of 280 titles indexed in BPI, 124 are now held by Parish, 69 by Zimmerman and 12 by Health Sciences, Law and Fine Arts Libraries. A small number of the total periodicals indexed in BPI were considered inappropriate for purchase.

In the process of examining weak areas in the collection, a number of state and federal government documents were added and some looseleaf services were claimed and reinstated.
The importance of providing the most complete financial data available for the areas of finance, banking, accounting, marketing and advertising, etc., led the library to make a commitment to a major standing order of SEC 10-K reports. Improvements in service included four seminars presented in the areas of marketing and finance to graduate and undergraduate students and four orientations given in basic reference sources. A new edition of the Parish orientation booklet was prepared and distributed.

Hours were expanded in the spring semester on a trial basis providing reference service from 9 a.m. to 12 p.m. and from 2 p.m. to 6 p.m. on Monday through Thursday, 9 a.m. to 12 p.m. on Friday, Monday evenings and Sunday afternoons.

With the hiring of a permanent librarian experienced in on-line searching of data bases; faculty and students began to make more use of the on-line search capabilities of the library. There are now twenty data bases dealing with business/management subjects on the Lockheed system. This is an area which could be expanded in the coming year if adequate staffing is available.

FINE ARTS LIBRARY

Bibliographic access continued to improve as the Gaganti Music Collection was classified and made accessible to users and the art exhibition catalogs continued to be classified. Several outstanding acquisitions were made during the year. American Architectural Books and British Journal of Photography were purchased on microfilm. The Index to American Design, Repertoire International des Sources Musicales Series B and Studies in Musicology were also received.
The growth and development of the tape archive in the Fine Arts Library brought to fruition the recognition of an original supporter of the program in a dedication ceremony naming the John Donald Robb Archive of Southwestern Music. A presentation program was held in cooperation with the College of Fine Arts on May 9 to honor Dean John Donald Robb where the speaker for the evening was Dr. Alan Jabbour, Director of the National Folklife Center in Washington, D.C. A John Donald Robb Endowment Fund was set up to insure continued development of this unique archive.

Several fine additions were made to it during the year. They include: Rowena Rivera-Edwin Berry singing the songs from Juan B. Railliere's book Canticos Espirituales (30 hours), 40 hours of New Mexico fiddlers taped by Peter White and three hours of Albuquerque Black Church Music taped by Charlemaud Curtis. Work on developing a program for creating a computerized index for the archive was undertaken by volunteer Karl von Huene.

As a result of the analysis and evaluation of the collections begun in 1978/79, purchases were concentrated in the following fields:

--nineteenth and early twentieth century maps of New Mexico
--early editions of the principal eighteenth century English novelists
--British and American travelers to nineteenth century Brazil and Mexico
--works of Henry James published in his lifetime
--works of Edwin Arlington Robinson published during his lifetime
--the Texas-Santa Fe Expedition of 1841
--the Snively-Warfield Expedition of 1843
--Texas land claims in New Mexico
--the Mexican War
--American fine printing of Western Americana
--Merle Armitage
--laboratory collection for the history of printing and
--Spud Johnson and The Laughing Horse Press.

Continuous efforts in pursuing appropriate archival and manuscript resources garnered a variety of new materials during the year. Additions also were made to collections already established. The following are the major additions to existing archival collections and major new archival collections acquired:

--Ortiz y Pino family history
--Albuquerque-Bernalillo County Council of Older Persons
--Writers at Work, video tapes
--Judson Crews, literary journals
--Archie Bahm, philosophical off-prints and printed editions
--Mabel Dodge Luhan, letters
--Albuquerque history
--D. H. Lawrence, museum objects and printed editions
--Women in New Mexico, additional groups of material
--Cofradías of Jalisco, Mexico, microfilmed archival manuscripts
--Manuel Lujan Papers, additions
--New Mexico State Poetry Society, printed editions, and
--Beula Fleming architectural documents.

Possibilities of acquiring many other archival and manuscript collections were nurtured during the year, most notably in the area of the papers of New Mexico senators, and it is expected that in the nature of things these efforts will eventually bear fruit.

STAFF DEVELOPMENT

The rapid changes taking place in operational theory and technology in librarianship and the leadership role expected of UNM librarians in the state require a commitment to continual staff development for General Library staff. The library hosted workshops on computer search training in DIALOG and BIOSIS and supplied training for advanced use of the Systems Development Corporation and Bibliographic Research Service systems by developing special assignments of personnel to these systems. Other in-house programs provided better training of shelving personnel and integration of services in the Circulation Department, a temporary assignment of a fine arts librarian to the Meem Collection for better coordination of these collections, workshops for students in the Parish
Library, weekly seminars for staff in the Reference Department, and training to permit Circulation Department staff to backup copy/media services. Readers' Services personnel also presented programs for the library's professional roundtables on the subjects of maps, space planning, the White Cone oral history project, publishing and the CRL academic library management internships. Interns assigned to Readers' Services provided a seminar on service to returning adults and a seminar on the development of a guide to Mexican resources in our collection.

OPERATIONAL IMPROVEMENTS

The Readers' Services Division is committed to a regular program of research for improvements in operations. This year, to help in decision making, studies were done on the type and quantity of reference questions, a self-evaluation of services developed by the College Library Program of the Association of College and Research Libraries was completed, as was a study on hours of service. A user satisfaction study was done for the third consecutive year. Several experiments were conducted in the Circulation Department comparing the costs and speed of delivery of interlibrary loans through OCLC, TYMSHARE and the TWX systems. As a result of better choice of borrowing locations, service improved and the use of TWX declined 86 percent. The increasing use of on-line literature searches resulted in an increase in interlibrary loan requests originating from
Number of Requests

<table>
<thead>
<tr>
<th>Month</th>
<th>Requests</th>
</tr>
</thead>
<tbody>
<tr>
<td>November</td>
<td>18</td>
</tr>
<tr>
<td>December</td>
<td>5</td>
</tr>
<tr>
<td>January</td>
<td>2</td>
</tr>
<tr>
<td>February</td>
<td>14</td>
</tr>
<tr>
<td>March</td>
<td>17</td>
</tr>
<tr>
<td>April</td>
<td>17</td>
</tr>
<tr>
<td>May</td>
<td>35</td>
</tr>
</tbody>
</table>

SPACE AND EQUIPMENT

One of the more mundane but nevertheless very important activities in Readers' Services is always the continuing problems caused by the ever present need for additional space and the recurring need to replace equipment. This year such work took on an element of excitement and delightful anticipation as we worked to develop a Request for Proposal for an automated circulation system. This document of over 100 pages with its appendices was sent out for bids and on June 30 the resulting responses were opened for review. After many years of apologizing for our antiquated system and making promises to our patrons that we would try to move from clay tablets to papyrus, we rejoice in the anticipation of a fully automated system to control circulation activities. The university's accounting system has helped in circulation activities with the new terminals which access student name and address files.
An extensive inventory of the location and condition of all micro-form equipment was conducted this year and a plan for regular annual replacement developed so that a modest but continuous program would keep all equipment of this type in good working order. Both film and fiche readers were ordered as well as storage cabinets. The replacement of badly worn office equipment will improve working conditions and a Cushman truck will be a valuable exchange for our antique gas guzzler for making campus deliveries. The purchase of three photocopiers will add service and reduce costs for this function. The installation of an electronic security system for protection of the Meem Collection fulfilled one of last year's goals.
ACQUISITIONS

Due to financial limitations, many fewer books were ordered in 1979-80 than were ordered during the bond issue years. Slightly above the preceding fiscal year, the number was still far below the requirements of the UNM faculty and students. Fortunately, the library received many gifts, which contribute immeasurably to the development of the collections. Gifts, however, require a great deal more work to process than books which are purchased, so assignments and priorities were changed to accommodate them. During 1979-80, the General Library received 50,336 gift items from 1,178 different donors, an increase of almost 70 percent over the previous year. Some donors gave one item, others gave many items, and several donors each gave over 1,000 items to the library. One source of additional work in gift processing is acknowledging each gift to the donor. In addition, many gift collections are inventoried so that the donor will have a list of his donations for tax purposes. The library, of course, does not appraise gifts for donors, but the gifts received and added to the collections were worth many thousands of dollars.

While many of the staff members in the Acquisitions Department were handling the gifts, others were occupied with searching, ordering, and receiving materials. Pre-selection and availability searching increased 68 percent as a result of the conscientious title-by-title ordering by selectors.
Almost 27,500 books were ordered during the year and over 25,500 were received. The seriousness of the library's financial problem is indicated by comparing this figure to the 49,401 volumes purchased and received by the Acquisitions Department during fiscal year 1975-76, the peak year of bond issue expenditures.

Titles ordered and received by the Acquisitions Department:

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Titles Ordered</th>
<th>Titles Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1973-74</td>
<td>37,923</td>
<td>34,522</td>
</tr>
<tr>
<td>1974-75</td>
<td>45,130</td>
<td>41,920</td>
</tr>
<tr>
<td>1975-76</td>
<td>48,371</td>
<td>49,401</td>
</tr>
<tr>
<td>1976-77</td>
<td>44,367</td>
<td>43,646</td>
</tr>
<tr>
<td>1977-78</td>
<td>30,030</td>
<td>28,523</td>
</tr>
<tr>
<td>1978-79</td>
<td>24,820</td>
<td>24,755</td>
</tr>
<tr>
<td>1979-80</td>
<td>27,498</td>
<td>25,582</td>
</tr>
</tbody>
</table>

BIBLIOGRAPHIC CONTROL

As fewer volumes were ordered, there were also generally fewer volumes to catalog. The Bibliographic Control Department cataloged more volumes than were received, as staff members further reduced working backlogs, actually reaching zero in some areas for short periods of time. The only significant backlog of cataloging is in the area of Latin American materials, a situation created by staff turnover and vacancies. The backlog of Ibero materials remaining at the end of the year was about 7,600 pieces. Although this figure is much higher than
desired, and is not considered to be acceptable, it is 10 percent lower than the 8,357 items awaiting cataloging 18 months earlier. By the end of the next year, the figure will be reduced significantly.

Overall, the total number of pieces awaiting some type of processing in the Bibliographic Control Department has been reduced from 21,219 in January of 1979 to 18,823 at present. The actual number of pieces that have not yet been cataloged, however, is less than 13,000 including the 7,600 Ibero American items mentioned above. The 6,000 or so pieces that are not awaiting cataloging are items that are being reclassified or transferred from one location to another. During the year, a great deal of material has been transferred from the Parish Library back to Zimmerman Library in order to alleviate the overcrowding in the branch. Although this transferring and reclassification takes a great deal of time and energy, it needs to be done to improve services to students in the Anderson School of Management.

**RETROSPECTIVE CONVERSION**

In addition to cataloging new materials and reclassifying and transferring thousands of items, the Bibliographic Control Department also was able to begin a retrospective conversion project. The objective of the project is to increase the number of machine readable records for UNM holdings, in preparation for implementation of an automated circulation system. These machine readable records could also be used to produce an alternate form of catalog--microfiche, microfilm or on-line. In the interim before the library converts to an automated circulation system or
an alternate form of catalog, the retrospective conversion project provides
more information on UNM General Library holdings to users of the OCLC
system. Beginning in January, Bibliographic Control staff worked on the
project when time could be spared from current cataloging and other projects;
during April through June, several staff members were authorized to work
overtime hours on the project. Areas of the LC classification which have
high circulation rates are being converted first: BF, GT-GV, HN, LB-LC,
RG-RJ and TH-TJ fell into this category on the basis of a study of books
in circulation conducted by the Circulation Department shortly before the
project began.

During the first six months of 1980, this project converted about
21,000 bibliographic records from card form to machine readable form.

INVENTORY

The inventory project was also continued with very positive results.
About 250,000 of the 500,000 volumes to be inventoried were completed,
with the somewhat surprising results that the "high use" areas that
were inventoried were not "high loss" areas. Although it has been at least
ten years since an inventory was undertaken on the collection, the overall
loss rate was just over 2 percent, or less than 0.2 percent per year.
The area with the greatest loss was engineering (TH-TJ), but even that area
lost only 4.5 percent. We assume that loss rates will be even lower in the
"low use" areas yet to be inventoried and that loss rates in the future will
generally be lower due to the installation of an electronic security system
a few years ago.
The Serials Department coped with the normal load of orders, cancellations, title changes, and claims, and still found time to make a great deal of progress on the Serials Reconciliation Project. Over 10,000 sheets containing information on titles to be reconciled were sent to the subject selectors; of these, 6,451 were active titles and 3,682 were inactive titles. The results of fiscal reconciliation for over 4,000 active titles show $228,000 of titles continued and over $31,000 cancelled for various reasons. This actively helped the library keep within stringent financial limitations while a few new titles were ordered to meet current demands. In addition, it eliminated over 500 unneeded subscriptions and provided the opportunity to begin changes and corrections on thousands of bibliographic records.

The exchange program showed progress. Records on continuing exchanges were updated, and New Mexico Studies on the Fine Arts was added to the list of exchange titles we offer other libraries.

The serials authority file project was also begun, and over 8,700 cross references and authority entries were added to the serials microfiche. These entries will aid staff members and patrons in finding thousands of serial titles via the microfiche list. Access to periodicals will also be facilitated by the addition of catalog cards for
periodicals to the public card catalog. Some six years ago a decision was made to cease adding cards for periodicals to the catalog, but that policy has been changed this year to allow the recreation of entries in the catalog. Patrons must still use the microfiche list as the only comprehensive source of information on periodicals and serials, but the casual user will frequently be aided by entries in the public catalog for periodicals.
CONCLUSION

In concluding, it is worth noting that the University of New Mexico General Library requires a quantum leap to reach the desired status of a true research library, one that is adequately supporting the University's programs in teaching, research and service to the community.

Of eight specific recommendations included in the Annual Report of the University of New Mexico Libraries for 1969-70, three remain as unrealized goals:

1. Budget much higher sums to bring all salaries and wages to a proper level and to increase the collection at a greatly accelerated rate

4. Construct a separate building for a Science and Engineering Library

7. Computerize the circulation system

As noted earlier, significant progress has been made in the past decade and these three goals are, hopefully, closer to reality. However, the future of the General Library is not determinable in a vacuum.

The University of New Mexico must continue to seek its emergence among its sister institutions in the southwest as a respected university known for its commitment to excellence. That goal must include the emergence of its libraries on a level of excellence equal to those institutions whose company it seeks.
SIZE AND GROWTH OF THE COLLECTIONS

**Fiscal Year 1978-1979**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of cataloged volumes, 6-30-78</td>
<td>916,579</td>
</tr>
<tr>
<td>Volumes added (net)</td>
<td>46,207</td>
</tr>
<tr>
<td>Number of cataloged volumes, 6-30-79</td>
<td>962,804</td>
</tr>
<tr>
<td>Serial titles in the central serials record, 6-30-79</td>
<td>25,623</td>
</tr>
</tbody>
</table>

**Fiscal Year 1979-1980**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of cataloged volumes, 6-30-79</td>
<td>962,804</td>
</tr>
<tr>
<td>Volumes added (net)</td>
<td>37,169</td>
</tr>
<tr>
<td>Number of cataloged volumes, 6-30-80</td>
<td>999,973</td>
</tr>
<tr>
<td>Serial titles in the central serials record, 6-30-80</td>
<td>23,550</td>
</tr>
</tbody>
</table>
### OTHER MATERIALS IN THE GENERAL LIBRARY

<table>
<thead>
<tr>
<th>Type of Material</th>
<th>June 30, 1979</th>
<th>Added, 79/80</th>
<th>June 30, 1979</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government Publications</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper Documents</td>
<td>216,210</td>
<td>19,400</td>
<td>235,610</td>
</tr>
<tr>
<td>Microform</td>
<td>431,530</td>
<td>86,300</td>
<td>517,830</td>
</tr>
<tr>
<td>Other Microforms</td>
<td>869,510</td>
<td>280,400</td>
<td>1,150,000</td>
</tr>
<tr>
<td>Audio Recordings</td>
<td>19,320</td>
<td>1,350</td>
<td>20,670</td>
</tr>
<tr>
<td>Projected or Magnified materials (films, slides, transparencies)</td>
<td>8,870</td>
<td>350</td>
<td>9,220</td>
</tr>
<tr>
<td>Pictorial Representations (charts, drawings, maps, photographs, prints)</td>
<td>73,550</td>
<td>6,600</td>
<td>80,150</td>
</tr>
</tbody>
</table>
### Readers' Services Statistics

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Library Use (Gate Count)</strong></td>
<td>1,258,559</td>
<td>1,404,737</td>
<td>+11.6</td>
</tr>
<tr>
<td>Zimmerman</td>
<td>970,066</td>
<td>1,114,248</td>
<td></td>
</tr>
<tr>
<td>Parish</td>
<td>159,518</td>
<td>162,951</td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>128,975</td>
<td>127,538</td>
<td></td>
</tr>
<tr>
<td><strong>Outside Circulation</strong></td>
<td>441,207</td>
<td>373,734</td>
<td>-15.3</td>
</tr>
<tr>
<td><strong>Circulation</strong></td>
<td>345,107</td>
<td>316,020</td>
<td>-8.4</td>
</tr>
<tr>
<td>Zimmerman</td>
<td>253,261</td>
<td>205,663</td>
<td></td>
</tr>
<tr>
<td>Parish</td>
<td>14,501</td>
<td>20,567</td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>51,888</td>
<td>46,815</td>
<td></td>
</tr>
<tr>
<td><strong>Listening Center</strong></td>
<td></td>
<td>12,993</td>
<td></td>
</tr>
<tr>
<td><strong>Tireman</strong></td>
<td>25,457</td>
<td>27,855</td>
<td></td>
</tr>
<tr>
<td><strong>Evaluation Center</strong></td>
<td></td>
<td>2,127</td>
<td></td>
</tr>
<tr>
<td><strong>Reserve Circulation</strong></td>
<td>114,722</td>
<td>64,636</td>
<td>-43.7</td>
</tr>
<tr>
<td>Zimmerman</td>
<td>90,372</td>
<td>48,214</td>
<td></td>
</tr>
<tr>
<td>Parish</td>
<td>8,447</td>
<td>6,296</td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>15,817</td>
<td>10,126</td>
<td></td>
</tr>
<tr>
<td><strong>Tireman</strong></td>
<td>86</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Interlibrary Loan</strong></td>
<td>7,682</td>
<td>8,198</td>
<td>+6.7</td>
</tr>
<tr>
<td>Borrowed</td>
<td>3,427</td>
<td>3,949</td>
<td></td>
</tr>
<tr>
<td>Loaned</td>
<td>4,255</td>
<td>4,249</td>
<td></td>
</tr>
</tbody>
</table>

* Does not include Tireman

**Includes interlibrary loans and reserves but does not include the Listening Center and Evaluation Center.
LIBRARY EXPENDITURES for 1979-1980

The General Library
University Funds: 1979-1980

<table>
<thead>
<tr>
<th>Category</th>
<th>1979-1980</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>$1,890,113</td>
</tr>
<tr>
<td>Supplies and Expenses</td>
<td>79,365</td>
</tr>
<tr>
<td>Furniture and Equipment</td>
<td>0</td>
</tr>
<tr>
<td>Travel</td>
<td>7,035</td>
</tr>
<tr>
<td>Data Processing</td>
<td>80,871</td>
</tr>
<tr>
<td>Books and Serials</td>
<td>999,969</td>
</tr>
<tr>
<td>Binding</td>
<td>68,095</td>
</tr>
<tr>
<td>Fringe Benefits</td>
<td>NA</td>
</tr>
</tbody>
</table>

Non-University Funds

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bond Issue</td>
<td>176,579</td>
</tr>
<tr>
<td>Basic (HEW Grant)</td>
<td>3,969</td>
</tr>
<tr>
<td>Gifts</td>
<td>3,000</td>
</tr>
</tbody>
</table>

Total: $3,308,996
This publication is supported by funds from the Friends of the University of New Mexico Libraries.

It is the policy of the University of New Mexico to provide equal opportunity in all personnel actions including employment, compensation, benefits, transfers, layoffs, returns, institutionally sponsored education, training, tuition assistance, social and recreational program and advancement, without regard to race, color, religion, sex, age, physical handicap or national origin.
I. **General Departmental Information**

A. **Significant achievements during the academic year**

**A Year of Change**

Major changes took place in the Readers’ Services Division this year as a result of organizational changes and many important staffing appointments. A new Government Publications and Maps Department was created on October 1st, the Tireman Learning Materials Library became part of the Reference Department on February 1st, and a Skills Center was developed to offer tutoring support for the Basic Skills Program.

The return of the Head of the Reference Department, from a research leave at Stanford University, and new department heads in the Circulation Department, the Parish Library, the Tireman Library and the new Government Publications and Maps Department made it possible for the Readers’ Services Division to accomplish several objectives that had been postponed and to take on many new and more diverse activities. Many of the faculty who had performed heroically in more than one capacity while positions were being filled were able to bring new vigor to their regular work as assignments reverted to more realistic levels. Changes made the previous year in the organization of collection development functions as well as the lack of a head of that division caused some confusion as priorities had to be set by those individuals having multiple assignments in reference service, collection development, library instruction, online searching and, in many cases, administrative and supervisory duties. 1979/80 was used by these people to refine and adjust their schedules to encompass the
varied duties into a reasonable work plan. The diversity of the
duties and the increased liaison with teaching faculty, while proving
to be a challenging time management problem, at the same time offered
more job satisfaction as the year provided the opportunity to adjust and
confirm the changes made in the previous year.

**Government Publications and Maps Department**

Plans which had long been underway for a greater emphasis on
government publications as research resources materialized this year
in the formation of a separate Government Publications and Maps
Department (GPMD). With the hiring of an experienced department head
and the back-up of an additional faculty position, this collection
took on a more visible role both on and off campus. During September,
the Federal Depository Inspector completed a regular review of our
activities. While our internal handling of this function was found to
be very satisfactory, the duties of a regional depository library,
which are to serve the general public and to coordinate the activities
of the states partial depository libraries, were not being met satisfac-
torily. The fact that the New Mexico State Library, New Mexico's
other regional depository library, is even less able to support out-
reach activities for federal documents resulted in an agreement
between the two regional depositories that we would take on the duty
of circulating to the depository libraries in the state a list of all
duplicate and discarded items available for exchange, establishing an
efficient system for disposal of all unwanted items. At the same time
a Government Publications Newsletter was started. This monthly publi-
cation contains a selected list of newly arrived items and is sent to
UNM Faculty and other interested individuals. It stimulated the
awareness and use of the wealth of material we receive free from the
U.S. Government Printing Office. In October, the General Library hosted a meeting of the New Mexico Library Association Government Documents Roundtable at which our new department head was a leading speaker. He also presented a workshop at Santa Fe, spoke to the Torrence County Historical Society on "Government Mapping of the West," and increased the number of lectures to university classes.

The increased activity in use of federal publications was supported by better internal management which included the shift of an additional clerical position to the department, two surveys on the use of documents done by the Circulation Department, cross training of Government Publications and Maps personnel, rejoining of the Federal Documents Expediting Project on a selective basis, assignment of an additional stack tower level to the GPMD and a shelving rearrangement that made popular and frequently-used New Mexico maps more accessible.

Skills Center

The Skills Center was organized at the beginning of Fall Semester as the General Library's contribution to the new Basic Skills Program on campus. Volunteers from both Readers' Services and Technical Services Divisions devoted many hours to organizing and operating this facility in its first year. Primary tutoring personnel were provided by the College of Education, the English Department Tutorial Program and Arts and Sciences Counselling staff. Many volunteer tutors came from classes where a teaching practicum was required. A wide variety of General Library personnel assisted in library tours for the Basic Skills classes. An intern from the Secondary and Adult Education Department also contributed to these efforts.

The Center was fortunate in receiving a gift of many desirable textbook and teaching materials from College of Education tutoring
programs. Of necessity, the Skills Center Program developed on an experimental basis with an advisory subcommittee of the Basic Skills Committee overseeing its policies. Staff members visited a similar center at New Mexico State University and attended three conferences on the subject of developmental education in higher education institutions.

The main activity of the Center was to provide individual tutoring to students referred by teaching faculty in the Basic Skills Program. However, a steady flow of walk-in patrons appeared as students became aware of the fact that help was available for other freshman-level courses. A series of lectures were offered on study skills, including such topics as how to use the textbook to advantage, how to write an essay examination question, and how to take notes. These lectures were taped and offered again on television to individuals as requested. Services improved over the year as more paid tutors were provided and a greater reliance was placed on small group instruction for a specific problem encountered by several students in one or more of the Basic Skills Courses.

The Skills Center, located on the third floor of Zimmerman, provided good lounge and carrel study space, rooms for small and large group instruction and adequate office and reception desk facilities. The integration of the facility as just one more library service helped remove any negative image for the students using it. The good peer example provided by other students studying in the area soon resulted in the Center's users taking advantage of nearby study space as they learned to apply themselves to individual learning. The Skills Center was publicized through classes, by the use of its space as the location for presenting the Outstanding Teacher Awards and by a large open house.
reception on October 10th.

Additional Service Hours

The General Library attempted to respond to changes in the number of classes offered in the late afternoon and evening. A brief questionnaire was sent to faculty teaching these classes to survey library needs which their students identified. The results showed:

1. Students particularly requested longer hours in Zimmerman and Tireman.

2. Longer weekend hours were a priority but later evening hours, especially on Friday and Saturday, were also desired.

3. There was a need for keeping the Listening Center open longer on Saturday afternoons and to remain open from 5 p.m. to 7 p.m. on weekday evenings.

4. Students requested that regular hours be maintained during Thanksgiving and Spring breaks, except for the holiday itself.

5. There were requests for keeping the Special Collections areas open on evenings and weekends.

Additional reference services were requested in Zimmerman, Parish and Fine Arts. The preference was for more service on weekends although later evening hours of service were also desired.

An extensive cost analysis was prepared to show the specific expense for adding hours and higher level services to each library location. Until this additional funding is available, the Library has made some adjustments by rearranging priorities and schedules as follows:

1. The Listening Center hours in the Fine Arts Library were increased by adding 1 p.m. to 5 p.m. on Saturday afternoon and the Center now remains open during the 5 p.m. to 7 p.m.
hours on weekday evenings.

2. The Zimmerman Library remained open for study until 2 a.m. during the ten days of final examination periods.

3. The Special Collections Department now remains open on Tuesday evening as well as Wednesday during the last half of each semester when research activity increases.

4. The Tireman Learning Materials Library added Wednesday evening 6 p.m. to 9 p.m.

5. The Government Publications and Maps Department added service by full-time staff or graduate students on evenings during the week, on Saturdays from 10 a.m. to 3 p.m. and on Sundays from noon until 9 p.m.

Library Instruction

The demand for additional library instruction and orientation seems to be an ever-expanding phenomenon. The program spans a wide variety of instruction from tours for kindergarten classes to in-depth workshops for engineering students. A great increase in the number of library tours occurred because this type of orientation was offered to all of the Basic Skills classes and many more tours were given to high school students as a part of the University's recruitment program. In order to meet the increased demands for instruction in specific subject areas, the orientation tours for the freshman English 101 students were provided by the teaching assistants for these classes. Reference librarians working with the teaching assistant coordinators set up a program which was then carried out by the English TAs. A similar structure was used for Biology 121. A presentation on the instruction program was made at the Deans' Council and a proposal was accepted for this year's intern to be in the area of library orientation and instruction.
The numbers of classes or groups receiving orientation or instruction were:

<table>
<thead>
<tr>
<th></th>
<th>1978/79</th>
<th>1979/80</th>
<th>% change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classes</td>
<td>382</td>
<td>406</td>
<td>+6.3</td>
</tr>
<tr>
<td>Students</td>
<td>7,744</td>
<td>9,444</td>
<td>+21.9</td>
</tr>
</tbody>
</table>

**Community Outreach**

One of the major projects underway in the Readers' Services Division this year has been the White Cone Project, a massive program of creating a taped oral history of the relocation of the people in the joint use land area of the Navajo and Hopi reservations. Begun under grants from the Greater UNM Fund, the recent receipt of a National Endowment of the Humanities grant of $73,000 will insure a complete record of negotiations, the effects on people involved, as well as other additions to the music and ceremonial tapes in the Fine Arts Library.

The growth and development of the tape archive brought to fruition the recognition of an original supporter of the program in a dedication ceremony naming the John Donald Robb Archive of Southwestern Music. A presentation program was held in cooperation with the College of Fine Arts on May 9th to honor Dean John Donald Robb. A John Donald Robb Endowment Fund was set up to insure continued development of this unique archive.

In response to requests for service from the off-campus community, the Readers' Services Division attempted to provide cooperation if primary campus service was not impacted, entering into contracts for services which required additional personnel or expense. Contracts with the Sandia Laboratories and C.D.S. Laboratories provided materials and services through interlibrary loan procedures which required financial support for the requested level of service. In response to many requests
for online search service and interlibrary loan services by off campus
groups, actual costs were defined and these services were offered at
cost to outsiders, including Friends of the University Libraries. Added
to the previous methods for serving the off-campus community were new
forms of organizational memberships to the Friends of the Libraries and
an extensive increase in agreements with local high schools to serve
their faculties. More tours were given to high school groups and spe-
cial lectures were given to school groups on Southwestern Music and
Black Studies.

Better programs were set up to provide service on the automated
interlibrary loan network begun last year. Academic members of the
OCLC-AMIGOS network adopted more liberal lending policies and simplified
the cost transfers for service.

The Special Collections Department cooperated with the city wide
Japan celebration through exhibits of materials purchased by a grant
from the Japanese Government and also contributed to programs of the
Latin Americanists on campus with an exhibit on Brazil, an exhibit on
Mexico and assistance on the annual meeting of the Seminar on Acquisi-
tions of Latin American Materials (SALALM). The Circulation Department
set up special reserve services for the Latin American Education Admin-
istration Program whose students did not know English.

Cooperation with the Museum of Albuquerque continued with the first
COM printouts of the cooperative photograph index used in the identifi-
cation of photographs for the Museum's railroad exhibit, the Japan cele-
bration, and a contract for joint publication of a guide to materials on
Albuquerque in the UNM holdings and facsimiles of materials held in
Special Collections. The Special Collections Department also experienced
its usual large number of visiting scholars and individuals interested in
rare materials and Southwestern subjects.
One of the neglected areas of library service which the General Library attempted to correct this past year was the lack of adequate service to UNM onsite programs of the College of Education and the Continuing Education Division. Recommendations were made for setting up and developing libraries to support the Los Alamos Branch and the Eastern Valencia County Satellite Center at Belen. Consultation was provided to the library/media personnel at the Gallup Branch. Library personnel made inspection visits to programs at Chama, Zuni, Acoma and Laguna. Tentative plans were worked out to supply needed materials to students in these programs. A proposal was made for an extension or onsite librarian who would develop channels for interlibrary and local library support, and provide instruction to students on the use of library resources. As an interim solution, a research assistant was hired by the onsite programs to work with their students who are on campus this summer and to arrange for shipping materials on loan to the remote locations.

The General Library also accepted the responsibility for organizing materials for the State Education Department Adult Education programs, hired a temporary employee to review the material and placed the items in regular use in the Tireman Learning Materials Library for long term loans to remote programs.

The Readers' Services staff took a major part in a "Media Day" program devoted to introducing representatives from the media to university services and facilities, planning the Library's part of the program and providing the exhibits and presentations of special library services. Other activities with outside groups included work with the State Education Department on the Textbook Evaluation program, provision of special instruction to the American Indian Cultural Center's Library
Project, participation in the Friends of the UNM Libraries Children's Book Fair, provision of special research support to the special investigator on the athletic program irregularities, and cooperation with and programs for the Pan American Roundtable which resulted in gifts to the Anita Osuna Carr Collection and a television program on KNME.

Staff Development

The rapid changes taking place in operational theory and technology in librarianship and the leadership role expected of UNM librarians in the State require a commitment to continual staff development for General Library staff. The Library hosted workshops on computer search training in DIALOG and BIOSIS and supplied training for advanced use of the Systems Development Corporation and Bibliographic Research Service systems by developing special assignments of personnel to these systems. Other in-house programs provided better training of shelving personnel and integration of services in the Circulation Department, a temporary assignment of a Fine Arts librarian to the Meem Collection for better coordination of these collections, workshops for students in the Parish Library, weekly seminars for staff in the Reference Department, and training to permit Circulation Department staff to back-up Copy/Media services. Readers' Services personnel also presented programs for the Library's continuing education roundtables on the subjects of maps, space planning, the White Cone oral history project, publishing, and the CRL academic library management internships. Interns assigned to Readers' Services provided a seminar on service to returning adults and a seminar on the development of a guide to Mexican resources in our collection.

Two of the Reference Department faculty were on sabbatical leave
during the past year, the Head of Special Collections took half-time educational leave to complete a dissertation and one of the Fine Arts Library faculty took part-time research leave.

**Operational Improvements**

The Readers' Services Division is committed to a regular program of research for improvements in operations. This year, to help in decision making, studies were done on the type and quantity of reference questions, a self-evaluation of services developed by the College Library Program of the Association of College and Research Libraries was completed, as was a study on hours of service. A user satisfaction study was done for the third consecutive year. (See Appendix I). Several experiments were conducted in the Circulation Department comparing the costs and speed of delivery of interlibrary loans through OCLC, TYSM SHARE, and the TWX systems. As a result of better choice of borrowing locations, service improved and the use of TWX declined 86%. The increasing use of online literature searches resulted in an increase in interlibrary loan requests originating from this source:

<table>
<thead>
<tr>
<th>Number of Requests</th>
</tr>
</thead>
<tbody>
<tr>
<td>November</td>
</tr>
<tr>
<td>December</td>
</tr>
<tr>
<td>January</td>
</tr>
<tr>
<td>February</td>
</tr>
<tr>
<td>March</td>
</tr>
<tr>
<td>April</td>
</tr>
<tr>
<td>May</td>
</tr>
</tbody>
</table>

More attention was given to the search strategy for interlibrary loan requests, resulting in a large number of these items being located in our own card catalog. The results of this investigation indicate both
a need for our faculty and graduate students to become more adept at using a card catalog and for some better method to publicize the fact that some periodicals exist with recent issues in bound volumes and backruns in microform.

As a result of constant evaluation of procedures and decisions, many minor but valuable changes also occurred this year. Some of these activities included the completion of an inventory of the Fine Arts Library which now has all its collection classified in the Library of Congress system, a review of the Parish Library collection and the transfer of many non-relevant materials to Zimmerman as well as the transfer of many management sources to Parish, a telephone message device in the Reference Department to provide information about the Library's hours, the first use of the free online search service offered to handicapped students unable to use traditional indexes, the addition of Magazine Index on an easily searchable motorized microform reader to help in searching popular periodical articles, extensive work on organizing the pamphlet collection in the Special Collections Department, review of the stacks to transfer rare items to secured space, processing of archive donations, some progress toward better organization of the Vandevelde Collection, space reorganization in Special Collections and a total revamping of the Readers' Services statistical reports to be implemented July 1st.

Space and Equipment

One of the more mundane but nevertheless very important activities in Readers' Services is always the continuing problems caused by the ever present need for additional space and the recurring need to replace equipment. This year such work took on an element of excitement and delightful anticipation as we worked to develop a Request for
Proposal for an automated circulation system. This document of over 100 pages with its appendices was sent out for bids and on June 30th, the resulting responses were opened for review. After many years of apologizing for our antiquated system and making promises to our patrons that we would try to move from clay tablets to papyrus, we rejoice in the anticipation of a fully automated system to control circulation activities. The University's accounting system has helped in circulation activities with the new terminals which access student name and address files.

An extensive inventory of the location and condition of all microform equipment was conducted this year and a plan for regular annual replacement developed so that a modest but continuous program would keep all equipment of this type in good working order. Both film and fiche readers were ordered as well as storage cabinets. The replacement of badly worn office equipment will improve working conditions and a Cushman truck will be a valuable exchange for our antique gas guzzler for making campus deliveries. The purchase of three photocopiers will add service and reduce costs for this function. The installation of an electronic security system for protection of the Meem Collections fulfilled one of last year's goals.

In order to make better use of space, reduce noise, and improve visual security and prepare for the efficient use of our increasingly short supply of shelving space, both the main floor and lower level reference areas were completely rearranged and an enclosed office area built for the Reference Department personnel. To provide for large group instruction, a classroom was added on the third floor. Security for special collections in the Fine Arts Library was improved by the enclosure of the balcony area.
B. **Significant plans and recommendations for the near future**

Several major projects are planned for the next fiscal year:

1. A well designed and consistent signage system is needed for the General Library.

2. The problem of preservation and protection of disintegrating and damaged materials must be addressed by a library-wide program.

3. Because the addition of many collection development duties to Readers' Services faculty have resulted in fewer hours of professional service at a time when demands for service are becoming more sophisticated, we plan to add a new science librarian, a local and international documents librarian and an Ibero American reference librarian to the Reference Department staff.

4. Effort will be focused on evaluation and revision of library instruction programs, and creation of new programs, including especially an orientation for handicapped students.

5. A project for preserving and sharing the Sanborn Maps of New Mexico will be proposed for statewide attention.

Other issues to be addressed are plans for a proposed social science library, 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, working toward implementation of procedures for better control of serials in accordance with a plan proposed this year, and addressing the increasingly acute shelving space needs.

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 depository system will require drastic changes for these departments. The Special Collections Department also suffers from its almost total inaccessibility to handicapped students and from a lack of security controlled exhibit space. The space problems in the Parish Library and the Tireman Learning Materials Library curtail the collection size and services offered and in Tireman offer no security against theft. 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. Plans must be developed during the next year to solve these space problems if the Library's future as a research collection is to be supported.
C. Appointments to staff

Judith Bernstein, Assistant Professor 01/07/80
Robert Brooks, Teaching Assistant 01/14/80 Temporary
James Brown, Library Technical Assistant II (50%) 09/18/79
Erilda Castillo, Clerical Specialist I 11/12/79
Heidi Carrasco, Library Technical Assistant II 10/15/79 Transfer
Carolyn Davis, Library Technical Assistant II 06/11/79 Transfer
Susan Deese, Teaching Assistant 08/25/79 Temporary
Deborah Eagan, Visiting Instructor 07/01/79
Glennis Hinshaw, Visiting Instructor 09/01/79 Temporary
Richard Inge, Clerical Specialist IV 01/21/80
Leslie LaVigne, Clerical Specialist IV 01/14/80
Teresa Marquez, Visiting Instructor 09/10/79
Imelda Martinez, Clerical Specialist III 01/14/80
Pat Martinez, Visiting Instructor 08/20/79 Temporary
Ruth Miller, Teaching Assistant 01/21/80 Temporary
Beverly Moreno, Visiting Instructor 03/10/80 Temporary
Jerome Nelson, Clerical Specialist II 04/01/80 Temporary
Ernestine Paniagua, Instructor 02/11/80
Heather Rex, Clerical Specialist III 10/24/79
Stephen Rollins, Instructor 07/15/79
Anne Romero, Clerical Specialist III 07/23/79
Christina Ross, Library Technical Assistant II (50%) 03/03/80 Temporary
Mary Alice Sabo, Clerical Specialist III 06/16/80 Temporary
Paul Sternberg, Library Technical Assistant II 01/28/80 Temporary
Anne Sutherland, Clerical Specialist III 06/30/80 Transfer
Helen Tedla, Staff Secretary 09/24/79
Sandra Weeke, Library Technical Assistant II 08/02/79 Transfer
Robin Zellea, Clerical Specialist V 01/30/80
## D. Separations from staff

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Judith Bakewell</td>
<td>Library Technical Assistant II</td>
<td>08/17/79</td>
</tr>
<tr>
<td>Kathryne Davis</td>
<td>Library Technical Assistant I</td>
<td>09/30/79 CETA</td>
</tr>
<tr>
<td>Glennis Hinshaw</td>
<td>Visiting Instructor</td>
<td>03/31/80 Temporary</td>
</tr>
<tr>
<td>Gloria Jaramillo</td>
<td>Clerical Specialist IV</td>
<td>12/07/79</td>
</tr>
<tr>
<td>Kevin Kargacin</td>
<td>Clerical Specialist II</td>
<td>10/12/79</td>
</tr>
<tr>
<td>Lynn Lindgren</td>
<td>Department Secretary</td>
<td>08/03/79</td>
</tr>
<tr>
<td>Pat Martinez</td>
<td>Visiting Instructor</td>
<td>08/29/79</td>
</tr>
<tr>
<td>Beverly Moreno</td>
<td>Visiting Instructor</td>
<td>06/30/80 Temporary</td>
</tr>
<tr>
<td>Jerome Nelson</td>
<td>Clerical Specialist II</td>
<td>06/30/80 Temporary</td>
</tr>
<tr>
<td>William Olbrich</td>
<td>Instructor</td>
<td>09/10/79</td>
</tr>
<tr>
<td>Dubra Padilla</td>
<td>Library Technical Assistant II</td>
<td>07/13/79</td>
</tr>
<tr>
<td>Edward Padilla</td>
<td>Library Specialist I</td>
<td>11/06/79</td>
</tr>
<tr>
<td>Mary Rask</td>
<td>Library Technical Assistant II</td>
<td>07/20/79</td>
</tr>
<tr>
<td>Christina Ross</td>
<td>Library Technical Assistant II</td>
<td>06/30/80 Temporary</td>
</tr>
<tr>
<td>Alice Sickels</td>
<td>Clerical Specialist IV (50%)</td>
<td>05/23/80 Temporary</td>
</tr>
<tr>
<td>Marsha Simonson</td>
<td>Assistant Professor</td>
<td>09/04/79</td>
</tr>
<tr>
<td>Paul Sternberg</td>
<td>Library Technical Assistant II</td>
<td>03/28/80</td>
</tr>
<tr>
<td>Alicia Tjarks</td>
<td>Assistant Professor</td>
<td>10/31/79</td>
</tr>
<tr>
<td>Robin Zellea</td>
<td>Clerical Specialist V</td>
<td>05/09/80 Temporary</td>
</tr>
<tr>
<td></td>
<td>1978/79</td>
<td>1979/80</td>
</tr>
<tr>
<td>---------------------------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td><strong>Library Use (Gate Count)</strong>*</td>
<td>1,258,559</td>
<td>1,404,737</td>
</tr>
<tr>
<td>Zimmerman</td>
<td>970,066</td>
<td>1,114,248</td>
</tr>
<tr>
<td>Parish</td>
<td>159,518</td>
<td>162,951</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>128,975</td>
<td>127,538</td>
</tr>
<tr>
<td><strong>Outside Circulation</strong>**</td>
<td>441,207</td>
<td>373,734</td>
</tr>
<tr>
<td>Circulation</td>
<td>345,107</td>
<td>316,020</td>
</tr>
<tr>
<td>Zimmerman</td>
<td>253,261</td>
<td>205,663</td>
</tr>
<tr>
<td>Parish</td>
<td>14,501</td>
<td>20,567</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>51,888</td>
<td>46,815</td>
</tr>
<tr>
<td>Listening Center</td>
<td></td>
<td>12,993</td>
</tr>
<tr>
<td>Tireman</td>
<td>25,457</td>
<td>27,855</td>
</tr>
<tr>
<td>Evaluation Center</td>
<td></td>
<td>2,127</td>
</tr>
<tr>
<td><strong>Reserve Circulation</strong></td>
<td>114,722</td>
<td>64,636</td>
</tr>
<tr>
<td>Zimmerman</td>
<td>90,372</td>
<td>48,214</td>
</tr>
<tr>
<td>Parish</td>
<td>8,447</td>
<td>6,296</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>15,817</td>
<td>10,126</td>
</tr>
<tr>
<td>Tireman</td>
<td>86</td>
<td></td>
</tr>
<tr>
<td><strong>Interlibrary Loan</strong></td>
<td>7,682</td>
<td>8,198</td>
</tr>
<tr>
<td>Borrowed</td>
<td>3,427</td>
<td>3,949</td>
</tr>
<tr>
<td>Lent</td>
<td>4,255</td>
<td>4,249</td>
</tr>
</tbody>
</table>

* Does not include Tireman

**Includes interlibrary loans and reserves but does not include the Listening Center and Evaluation Center
II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced Study

Gilda Baeza - attended advanced workshop on BIOSIS, Denver
Alice Clark - Workshop "The Library in Learning Resources: The Development Learning Center", Dallas, Texas
Sandra Coleman - 10 s.h. Management Masters, UNM
Donald Farren - Dissertation research, Columbia University
Mary Ellen Hanson - 3 s.h., Art History 500, UNM
Beatrice Hight - DIALOG online search workshop
   - Interpersonal Relations Seminar, Colorado Springs
   - Spiritual Growth Course, St. John's Cathedral
Nancy Carol Hutchins - BIOSIS Advanced Search Course
Judy Pence - 3 s.h. Spanish Morphology 443, UNM
Elizabeth Ellen Robertson - Bibliographic Retrieval Service Update
Dorothy Trester - 6 s.h. Speech Communication 361 and 490, UNM
   - Seminar on online computer systems

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

Alice Clark - Visits to Basic Skills Center, Ohio State University, Columbus, Ohio and New Mexico State University, Las Cruces
Sandra Coleman - Internship, Stanford University
   - Visits to libraries at Harvard, Yale, University of Connecticut, University of Texas, University of California, Berkeley
Linda Lewis - Sabbatical, October 1, 1979 - March 31, 1980
Dorothy Trester - Travel to Houston and Corpus Christie, Texas and Mazatlan, Mexico
Zanier Lane-Vivian - Travel to Mexico, California, Oregon, Wyoming, Georgia, Louisiana

Dorothy Wonsmos - Travel to Iowa and California

3. New Scholastic Honors, Fellowships, etc.

None

4. Publications


Stephen Rollins - "Why CLSI at URI", Rhode Island Library Association Bulletin, (July/August, 1979) 19-23

James Wright - "Executive Secretary's Report", Association for Recorded Sound Collections Bulletin, No. 12 (1979) 3-4

5. Other Research Projects and Creative Works in Progress

Gilda Baeza - Chicano Serials Indexing Project sponsored by the National Chicano Research Network, Ann Arbor, Michigan


Mary Ellen Hanson - "A Selected Bibliography of Sources on American Quilting and Patchwork", Update in progress

Linda Lewis - Women in New Mexico. In process

Judy Pence - "A Guide to the Frank Waters Papers". In process


- "Reflections of a Recent Immigrant: Visual Studies of New Mexico Landscape" mixed media work in progress

Stephen Rollins - Co-recipient of $500 RAC grant for production of a computer index of Wheat's Mapping the Transcontinental West

Dorothy Trester - Bibliography of titles related to television and its effect on youth. In process

James Wright - RAC grant of $4648. for preservation project of the musical culture of the Southwest with special emphasis on the ceremonies of the Navajo at White Cone, Arizona

- RAC grant of $969.92 for field taping for the Archive of Southwestern Music

- Grant proposals to the Akbar Foundation and to National Endowment for the Humanities for funding taping for the Archive of Southwestern Music
6. Activities in Learned and Professional Societies

Gilda Baeza - attended American Library Association, Dallas, Texas

Alice Clark - Representative to the governing council of the American Library Association
- Elected to Planning and Budget Assembly of American Library Association Council
- Chairperson, Nominating Committee of American Library Association-Reference and Adult Services Section, Dallas, Texas
- Member, Board of Directors of New Mexico Library Association
- Nominating Committee of New Mexico Library Association
- Attended Board meetings and conference in Farmington, Roswell and Santa Fe
- Member, Interlibrary Loan Advisory Committee of AMIGOS Bibliographic Network and attended two meetings in Dallas, Texas
- Chairperson, Constitution and Bylaws Committee of Greater Albuquerque Library Association
- Presented paper, "Microforms as a Substitute for the Original" at Washington State University, Pullman, Washington
- Presented paper, "The Mountain Plains Library Association" at New Mexico Library Association Conference, Farmington, New Mexico

Sandra Coleman - Member, Library Education Committee of New Mexico Library Association
- Member of Executive Board and Representative at Large, Southwestern Library Association
- Member, Budgeting, Accounting, and Costs Committee of American Library Association, Library Administration and Management Association
- Attended American Library Association meetings, Washington, D.C. and Dallas, Texas
- Attended Association of Research Libraries meeting at Boston, Massachusetts
- Attended Library and Information Technology Association Institute on Closing the Catalog, San Francisco, California

Mary Ellen Hanson - Association of Research Libraries workshop on management, Taos, New Mexico

Beatrice Hight - Attended New Mexico Library Association Conference, Farmington, New Mexico

Nancy Carol Hutchins - Attended Western Association of Map Librarians meeting at Menlo Park, California
- Attended American Library Association meeting in Dallas, Texas

Linda Lewis - Co-chairperson, Legislative and Intellectual Freedom Committee of New Mexico Library Association
- Attended annual conferences of American Library Association, Dallas, Texas, New Mexico Library Association, Farmington, New Mexico, and New Mexico Historical Association

Francis Oscadal - Attended American Library Association conference, Dallas, Texas
- Attended Lockheed's DIALOG Update conference, Dallas, Texas

Judy Pence - Attended 24th Seminar on the Acquisition of Latin American Library Materials
- Chairperson, Exhibitors Committee, SALALM
- Member Local History Committee of American Library Association
- Chairperson, Local Arrangements for NMLA/GODORT

Nancy Pistorius - Attended annual conference of Art Libraries Society of North America, Toronto, Canada
- Attended Mid-America College Art Association Conference, Tempe, Arizona
- Program Coordinator for Visual Resource Group of ARLIS/NA

Elizabeth Ellen Robertson - Secretary/Treasurer, New Mexico Library Association Native American Libraries Roundtable
- Attended New Mexico Library Association Conference, Farmington, New Mexico
- Panel Member "Problems in Online Searching" for Rio Grande Chapter of Special Libraries Association
- Panel Moderation "Selection and Location of American Indian Materials", National Education Association Conference

Stephen Rollins - New Mexico Library Association Liaison Representative for Photocopy Regulations for Ad Hoc Copyright Subcommittee of American Library Association
- Member, Constitution and Bylaws Committee, Greater Albuquerque Library Association

Charles Seavey - Presented paper to New Mexico Library Association Government Documents Roundtable "Acquisition of Government Maps"
- Attended workshop on map cataloging Western Association of Map Libraries, Tucson, Arizona

Zanier Lane-Vivian - Vice-President and Program Chairperson for New Mexico Library Association Annual Conference, Farmington, New Mexico
- Nominating Committee, Special Libraries Association Science and Technology Division
- Chairperson, Projects Development and Evaluation Committee of SLA/STD
- Chairperson, Nominating Committee SLA/Rio Grande chapter
- Attended annual conference and workshop on online searching by American Society for Engineering Education at Baton Rouge, Louisiana
- Conducted Seminar session for Outdoor Writers Association of America Conference, Albuquerque, New Mexico

James Wright - Vice-Chair/Chairman elect of Mountain Plains Regional Chapter of the Music Library Association
- Conference chairperson, MLA/MPRC at annual conference, Albuquerque, New Mexico
- Member, Education Committee, New Mexico Library Association
- Executive Secretary/Member of Board of the Association for Recorded Sound Collections

7. Other Professional Activities

Alice Clark - Presented paper, "Political Socializing in the Professional Association" at American Library Association Women Administrators' Discussion Group, Washington, D.C.
- Taught Library Science 468, Summer

Sandra Coleman - Participated in accreditation team visit for the Senior Commission of the Western Association of Schools and Colleges

Nancy Pistorius - Advisor to Art Library at Santa Fe, Museum of Fine Arts
- Presentation on Creativity in the Visual Arts at Library
Brown Bag Lunch

James Wright - Teaching Music 429, Summer
- Lecture-History of New Mexico (Santa Fe Graduate Center)
  "Music in New Mexico"
- Workshop leader, "Preservation of Folk Material for Indian Library Cultural Center Project"
- Recital, Member of Chorus of Vocal Conducting Masters Degree Candidate

8. Non-teaching University Service

Alice Clark - Received resolution of commendation from ASUNM for work with handicapped students
- Member, Handicapped Ad Hoc Committee of the Student Personnel Advisory Committee
- Member, Faculty Senate, Spring
- Member, Long Range Planning Committee, Spring
- Chairperson, Basic Skills Committee

Sandra Coleman - Member, Faculty Senate, Fall
- Member, Long Range Planning Committee, Spring

Mary Ellen Hanson - Member Admissions and Registration Committee
- Member Subcommittee on Falsification of University Records
- Chairperson, Sabbatical Review Committee
- Member, Search Committees for Ibero American Cataloging and Tireman Librarian
- Member, Tireman Library Committee
- Member, Ad Hoc Committee on Faculty Requirements
- Chairperson, Ad Hoc Committee on Promotion
- Member, Microforms Policy Revision Committee
Beatrice Hight - Member, Faculty Senate
  - Member, Undergraduate Academic Affairs Committee
  - Member, Ad Hoc Committee for Student Grievance Policy
Judy Pence - Chairperson, Professional Enrichment Awards Committee
  - Chairperson, Search Committee for Assistant Ethnic Studies Librarian
Nancy Pistorius - Member, Library Exhibits Committee
  - Member, Library Research and Publications Committee
  - Member, Parish Librarian Search Committee
Elizabeth Ellen Robertson - Member, Library Faculty Council
  - Chairperson, Tireman Librarian Search Committee
  - Member, Ethnic Studies Librarian Search Committee
Stephen Rollins - Member of Future of Bibliographic Records Committee
  - Member, Parish Librarian Search Committee
  - Chairperson, Intern Search Committee
Dorothy Trester - Chairperson, Ad Hoc Committee on Promotion
  - Chairperson, Acquisitions/Serials Librarian Search Committee
  - Member, Professional Enrichment Committee
  - Member, Tireman Librarian Search Committee
  - Member, Provost's Steering Committee for Gerontology Center
  - Member, Curriculum Committee
Zanier Lane-Vivian - Member, Committee of Five
  - Member, Research Policy Committee
Dorothy Wonskos - Member, Professional Enrichment Committee
James Wright - Masters Degree Review Committee for Department of Recreation
- Faculty Senate, Executive Committee
- Chairperson, Student Affairs and Extra Curricular Activities
- Reported to the Regents on the Archive of Southwestern Music
- Served on three Library Faculty search committees

9. Public Service

Alice Clark - Invited participant in State Library's Continuing Education Planning meeting
- Invited participant to State Education Department meeting on Materials Evaluation Centers

Sandra Coleman - Associates of the Stanford University Library

Mary Ellen Hanson - Volunteer for booksale, Friends of the UNM Libraries
- League of Women Voters Board of Directors and editor of the Voter

Beatrice Hight - District Court juror

Dorothy Trester - Albuquerque Sister Cities Committee Editor of newsletter and member of Board of Directors
- Church related activities

Zanier Lane-Vivian - Albuquerque Opera Guild
- Santa Fe Opera Guild
- Albuquerque Symphony Women's Association

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

James Wright - Member of Cultural Committee of Chamber of Commerce

10. Personal Information

Zanier Lane-Vivian - Married April 8, 1979 to Richard W. Vivian
Please help us serve you better by answering the following questions.

<table>
<thead>
<tr>
<th>Year</th>
<th>Faculty</th>
<th>Graduate</th>
<th>Undergraduate</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>1978</td>
<td>17</td>
<td>67</td>
<td>137</td>
<td></td>
</tr>
<tr>
<td>1979</td>
<td>9</td>
<td>96</td>
<td>234</td>
<td></td>
</tr>
<tr>
<td>1980</td>
<td>30</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Today I came to the library to:

- [ ] Borrow or use library materials
- [ ] Study
- [ ] Meet someone
- [ ] Return books
- [ ] Tour the library or receive formal instruction

Today I used the following library materials/services:

- [ ] Reserve books
- [ ] Newspapers or periodicals
- [ ] Specific single books
- [ ] Government publications
- [ ] Audio-visual materials and services
- [ ] Photocopy service
- [ ] Reference books or indexes
- [ ] Card catalog
- [ ] Help from librarians
- [ ] Interlibrary loans
- [ ] Microforms
- [ ] Microfiche serials list
- [ ] Map room
- [ ] Other

My success in finding library materials is:

- [ ] Excellent
- [ ] Good
- [ ] Fair
- [ ] Poor
- [ ] The question doesn't apply

My success in obtaining help from library staff is:

- [ ] Excellent
- [ ] Good
- [ ] Fair
- [ ] Poor
- [ ] The question doesn't apply

My professors (if a student) encourage use of the library.

- [ ] Yes
- [ ] No

Is the library open enough hours to suit you?

- [ ] Yes
- [ ] No

The Library was a pleasant place to use today.

- [ ] Yes
- [ ] No

Please return to the circulation desk.
I. General Departmental Information

A. Significant Achievements During the Academic Year

The past fiscal year has been a year of steady progress in the Technical Services Division, but has lacked the major landmarks that have noted several of the past few years. It has also been a year of waiting for developments in a number of areas; this waiting has been frustrating at times, but has been necessary to allow future growth to proceed in the most effective manner.

Due to financial limitations, many fewer books were ordered than were ordered during the bond issue years. The number of books ordered was slightly above the preceding fiscal year, but was still far below the requirements of the UNM faculty and students. Fortunately, the Library received many gifts, which contribute immeasurably to the development of the collections. Gifts, however, require a great deal more work to process than books which are purchased, so assignments and priorities were changed to accommodate the flood of gifts. During 1979/80, the General Library received 50,336 gift items from 1,178 different donors, an increase of almost 70 percent over the previous year. Some donors gave one item, others gave many items, and several donors each gave over 1,000 items to the Library. Another source of additional work in gift processing is acknowledging each gift to the donor. In addition, many gift collections are inventoried so that the donor will have a list of his donations for tax purposes. The Library, of course, does not appraise gifts for donors, but the gifts received and added to the collections were worth many thousands of dollars.
Other gift materials that were not needed for the library collections were retained by the Friends of the UNM Libraries for their next book sale, which is tentatively scheduled for the Spring of 1981. The proceeds of that book sale also benefit the UNM Libraries.

While many of the staff members of the Acquisitions Department were busy handling the gifts, others were occupied with the normal load of orders for books and the books arriving on approval or standing order. Almost 27,500 books were ordered during the year and over 25,500 were received. The load was more serious than it first appears, as over half of the orders had to be processed in a three month period. Although this is a large number of volumes, the seriousness of the financial problem is indicated by comparing this figure to the 49,401 volumes purchased and received by the Acquisitions Department during fiscal year 1975/76, the peak year of bond issue expenditures.

As fewer volumes were ordered, there were also generally fewer volumes to catalog. The Bibliographic Control Department cataloged more volumes than were received, as staff members further reduced working backlogs, actually reaching zero in some areas for short periods of time. The only significant backlog of cataloging is in the area of Latin American materials, a situation created by staff turnover and vacancies. The paucity of staff in the Ibero-American cataloging team was further exacerbated by the great amount of time that the staff members of the team spent on preparations for the 25th annual conference of SALALM, the Seminar on Acquisitions of Latin American Library Materials. As UNM was hosting the conference, and essentially all team members were heavily involved in preparations for it, it is amazing that they cataloged as many materials as they did. The backlog of Ibero materials remaining at the end of the year was about 7,600.
pieces. Although this figure is much higher than desired, and is not considered to be acceptable, it is ten percent lower than the 8,357 items awaiting cataloging 18 months earlier. By the end of the next year, the figure will be reduced significantly due to additional staff and the passing of the SALALM obligation.

Overall, the total number of pieces awaiting some type of processing in the Bibliographic Control Department has been reduced from 21,219 in January of 1979 to 18,823 at present. The actual number of pieces that have not yet been cataloged, however, is less than 13,000, including the 7,600 Ibero American items mentioned above. The 6,000 or so pieces that are not awaiting cataloging are items that are being reclassified or transferred from one location to another. During the year, a great deal of material has been transferred from the Parish Library back to Zimmerman Library in order to alleviate the overcrowding in the branch. Although this transferring and reclassification takes a great deal of time and energy, it needs to be done to improve services to students in the Anderson Schools of Management. Fortunately, the time is available due to the lack of new materials arriving in the Library.

In addition to cataloging new materials and reclassifying and transferring thousands of items, the Bibliographic Control Department also was able to begin a retrospective conversion project using some regular staff working overtime on lapsing funds. During the first six months of 1980, this project converted about 21,000 bibliographic records from card form to machine readable form. This addition to our machine readable data base will be invaluable when we install an on-line circulation system and an automated catalog in the future. The inventory project was also continued, with very positive results.
250,000 of the 500,000 volumes to be inventoried have been completed, with the somewhat surprising results that the "high use" areas that were inventoried were not "high loss" areas. Although it has been at least ten years since an inventory was undertaken on the collection, the overall loss rate was just over two percent, or less than 0.2 percent per year. The area with the greatest loss was engineering (TH-TJ), but even that area lost only 4.5 percent. We assume that loss rates will be even lower in the "low use" areas yet to be inventoried and that loss rates in the future will generally be lower due to the installation of an electronic security system a few years ago.

The relatively low number of net volumes added to the collection this year is due to the low purchases during the year and is further compounded by the withdrawal of about 5,800 volumes identified as missing during the inventory.

The Serials Department coped with the normal load of orders, cancellations, title changes, and claims, and still found time to make a great deal of progress on the Serials Reconciliation Project. Over 10,000 sheets containing information on titles to be reconciled have been sent to the subject selectors; of these, 6,415 were active titles and 3,682 were inactive titles. The results of fiscal reconciliation for over 4,000 active titles show $228,000 of titles continued and over $31,000 cancelled for various reasons. This actively has helped the Library to keep within stringent financial limitations while still ordering a few new titles to meet current demands. In addition, it has eliminated over 500 unneeded subscriptions and provided the opportunity to begin changes and corrections on thousands of bibliographic records. The bibliographic reconciliation still has far to go, and is discussed in detail below. Although time did not allow the department
to actively solicit other exchange titles, records were updated and
one new UNM title was added to the list of titles that we offer to
other libraries on exchange. The new title, *New Mexico Studies on
the Fine Arts*, has already been selected by a number of libraries.

The Serials Department had very high turnover in staff during
the year, including changes in key professional positions. The nor­
mal staff turnover problems were compounded by the great number of
temporary personnel working on the serials reconciliation project.
These staff members often moved to permanent positions in the Library,
necessitating their replacement by a new temporary person within a
short period of time. Fortunately, some of the turnover was kept within
the department, reducing retraining requirements.

The serials authority file project was also begun, and over 8,700
cross references and authority entries were added to the serials micro-
fiche. These entries will aid staff members and patrons in finding
thousands of serial titles via the microfiche list. Access to period­
cicals will also be facilitated by the addition of catalog cards for
periodicals to the public card catalog. Some six years ago a decision
was made to cease adding cards for periodicals to the catalog, but that
policy has been changed this year to allow the recreation of entries
in the catalog. Patrons must still use the microfiche list as the
only comprehensive source of information on periodicals and serials,
but the casual user will frequently be aided by entries in the public
catalog for periodicals.

A number of studies and investigations have continued during the
year, although results of most of them will not be available for a few
months. Some of the major investigations include physical reorganiza­
tion of the Bibliographic Control Department, alternatives to the card catalog, integration of the existing machine readable data base with a future on-line circulation system, costs of alternative forms of the catalog, determination of requirements for future acquisitions and serials accounting systems, modifications to the serials microfiche list, provision of services to satellite and on-site programs, and preparations for the One Millionth Volume Celebration.

Many other accomplishments and changes are detailed in the annual reports of the three Technical Services Department heads, which are appended. Their reports also contain detailed statistics; a statistical summary appears immediately below.

Titles ordered and received by the Acquisitions Department:

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

Gifts received by the Acquisitions Department:

15,255 books
23,951 issues of periodicals and serials
1,894 government documents
9,236 other items
50,336 total gifts from 1,178 donors
Total library additions, withdrawals, and collection size:

<table>
<thead>
<tr>
<th></th>
<th>Total 6/30/79</th>
<th>Added 79/80</th>
<th>Withdrawn 79/80</th>
<th>Reinstated 79/80</th>
<th>Total 6/30/80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titles</td>
<td>628,074</td>
<td>33,983</td>
<td>10,618</td>
<td>457</td>
<td>651,896</td>
</tr>
<tr>
<td>Volumes</td>
<td>962,804</td>
<td>52,291</td>
<td>15,657</td>
<td>535</td>
<td>999,973</td>
</tr>
</tbody>
</table>

Usage of the OCLC cataloging system:

<table>
<thead>
<tr>
<th></th>
<th>1979/80</th>
<th>1978/79</th>
<th>% of change</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-time uses (FTU)</td>
<td>29,447</td>
<td>30,439</td>
<td>-3%</td>
</tr>
<tr>
<td>FTU for reclassifications</td>
<td>3,335</td>
<td>5,427</td>
<td>-39%</td>
</tr>
<tr>
<td>Titles input to the OCLC Data Base</td>
<td>4,857</td>
<td>5,024</td>
<td>-3%</td>
</tr>
<tr>
<td>Total production (including re-use of records and retrospective conversion)</td>
<td>68,942</td>
<td>48,592</td>
<td>+42%</td>
</tr>
</tbody>
</table>

Titles received by the Serials Department:

<table>
<thead>
<tr>
<th></th>
<th>1979</th>
<th>1980</th>
<th>+ or -</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subscriptions</td>
<td>8,390</td>
<td>8,176</td>
<td>-214</td>
</tr>
<tr>
<td>Gifts</td>
<td>3,310</td>
<td>3,357</td>
<td>+ 47</td>
</tr>
<tr>
<td>Exchanges</td>
<td>1,661</td>
<td>1,654</td>
<td>- 7</td>
</tr>
<tr>
<td>Deposit</td>
<td>1,920</td>
<td>2,017</td>
<td>+ 97</td>
</tr>
<tr>
<td>Non-current, OP</td>
<td>2,745</td>
<td>2,628</td>
<td>-117</td>
</tr>
<tr>
<td>Purchase</td>
<td>4,686</td>
<td>4,626</td>
<td>-60</td>
</tr>
<tr>
<td>Title Changes</td>
<td>580</td>
<td>648</td>
<td>+ 68</td>
</tr>
<tr>
<td>Newspapers</td>
<td>444</td>
<td>444</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>23,736</td>
<td>23,550</td>
<td>-186</td>
</tr>
</tbody>
</table>
Microforms added:

Newspaper Microfilm Reels 1,594
Other Microfilm Reels 4,167
Microfiche Sheets 85,373
Microcards 778

TOTAL 91,912

Serials expenditures and encumbrances:

Subscriptions $400,194
Standing orders 184,759

TOTAL $584,953

B. Significant Plans and Recommendations for the Near Future

The two major conditions that will affect the General Library technical services in the coming year are the adoption of the Second Edition of the Anglo-American Cataloging Rules by the Library of Congress and the potential acquisition of an on-line circulation system by the library. Both of these will significantly impact policies, procedures, and operations in technical services, but both are beyond the control of staff in our area. When the new rules are adopted on January 2, 1981, there will be many changes in cataloging, both for monographs and for serials. We assume that the changes will be implemented on the OCLC system at the same time, but that remains to be seen. Also, many interpretations and practices to be determined by the Library of Congress have not yet been made. The situation will probably be fluid during the coming year, and we will just have to be prepared to adapt to changing conditions. However, many changes can be predicted and preparation, training, and planning will proceed during the latter half of 1980.
The impact of a potential on-line circulation system is also undetermined at this writing. If a system is adopted, it will have a great impact on technical services, as procedures will have to be adopted to transfer data from the OCLC system into the local system. We hope that the new system will be capable of expansion into a complete on-line catalog and that it will have the option of adding a new on-line acquisitions system as well. Until a decision is made on which, if any, system is to be acquired, the technical services staff are in the uneasy position of not being able to make definite plans and trying to keep up with all of the developments in these areas. It is disconcerting to be in the position of having a decision that will greatly affect your operations made by others, both inside and outside of the Library, based only minimally on your input. If a new system is installed soon, we could have totally new operations in the technical services a year from now; if no system is installed, we will be starting again to look for alternative systems for acquisitions, serials, and accounting during 1981.

In the meantime, the technical services departments are concentrating on defining, documenting, and rationalizing operations in all areas. This will allow operations to be improved whether new systems are adopted or not, and will facilitate the transition to new systems if they are adopted.

The Acquisitions Department will also be concentrating on improving the vendor file, reconciling the CSO file, transferring active continuation titles to the Serials Department, and developing improved relations with New Mexico book dealers and publishers. The Bibliographic Control Department will continue a number of special projects such as improving authority control, reclassifying and transferring titles, and retro-
spectively converting bibliographic records. The progress made on any of these projects will depend on the availability of funds for staffing and on rapidly changing priorities, as mentioned above. In addition, the Bibliographic Control Department will be making a concerted effort to reduce the backlog of Ibero American materials awaiting cataloging. The Serials Department will also be attempting to reduce the backlog of Latin American serials publications awaiting cataloging in their area. The Serials Department is faced with the need to complete the reconciliation of thousands of serials titles without adequate levels of staffing to do so. Additional staff is needed to accomplish this monumental project, but funds are not apparently going to be available during the coming year. Hopefully a new automated system will provide enough relief to allow the project to continue at a reasonable rate, but if not, the serials reconciliation project, to which we assigned such a high priority in the past, will take years to complete.

In conclusion, the 1980/81 year could be a time of many changes and developments in the technical services, or it could be a period of a great deal of planning and relatively few changes actually being implemented. Much will depend on the proposed circulation system and the rest will depend on the availability of funds for purchase of materials and for staffing of various projects. Whatever happens, it will be an exciting and challenging year.
C. Appointments to staff

<table>
<thead>
<tr>
<th>Name</th>
<th>Position and Notes</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shirley Wozniak</td>
<td>LTA II, Temporary, Part-time Serials Cataloging</td>
<td>July 2, 1979</td>
</tr>
<tr>
<td>Forrest Blech</td>
<td>CS IV, Temporary, Full-time Serials Acquisitions</td>
<td>July 2, 1979</td>
</tr>
<tr>
<td>Alice Loner</td>
<td>CS IV, Temporary, Full-time Serials Checklist</td>
<td>July 2, 1979</td>
</tr>
<tr>
<td>Melissa Carlisle</td>
<td>CS IV, Temporary, Full-time Serials Reconciliation</td>
<td>July 2, 1979</td>
</tr>
<tr>
<td>Carol Renfro</td>
<td>LTA II, Permanent, Full-time reclassified to LTA III, January 1, 1980, Acquisitions Receiving/Gifts</td>
<td>July 2, 1979</td>
</tr>
<tr>
<td>Sherrie Brockett</td>
<td>LTA II, Temporary, Full-time Serials Cataloging</td>
<td>July 9, 1979</td>
</tr>
<tr>
<td>Don Wood</td>
<td>LTA II, Permanent, Full-time to LTA III, OCLC Coordinator</td>
<td>July 11, 1979</td>
</tr>
<tr>
<td>Patricia Jennings</td>
<td>Assistant Serials/Acquisitions Librarian, Instructor, Permanent</td>
<td>July 16, 1979</td>
</tr>
<tr>
<td>Anita Allen</td>
<td>Visiting Lecturer II, Temporary, Full-time, Serials Cataloging</td>
<td>August 3, 1979</td>
</tr>
<tr>
<td>Susan Haddaway</td>
<td>CS IV, Permanent, Full-time Serials Cataloging</td>
<td>August 8, 1979</td>
</tr>
<tr>
<td>Mischele Palmer</td>
<td>CS II, File Maintenance, Permanent, Full-time to LTA I, Acquisitions Searching, Permanent, Part-time</td>
<td>August 20, 1979</td>
</tr>
<tr>
<td>Janet Palmer</td>
<td>CS II, File Maintenance, Permanent, Part-time</td>
<td>August 20, 1979</td>
</tr>
<tr>
<td>Diane Stine</td>
<td>Serials Cataloger, Instructor Permanent, Full-time Serials Cataloging</td>
<td>August 22, 1979</td>
</tr>
<tr>
<td>Forrest Blech</td>
<td>CS IV, Temporary, Full-time to CS IV, Permanent, Full-time Serials Acquisitions</td>
<td>August 27, 1979</td>
</tr>
<tr>
<td>Marcella Thomas</td>
<td>CS IV, Permanent, Full-time Acquisitions Receiving/Gifts</td>
<td>August 27, 1979</td>
</tr>
<tr>
<td>Dhiren Dave</td>
<td>CS II, File Maintenance, Permanent, Part-time</td>
<td>August 27, 1979</td>
</tr>
</tbody>
</table>
### C. Appointments to Staff - continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Position Details</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthony Francis</td>
<td>CS IV, Temporary, Full-time Serials Checklist</td>
<td>September 4, 1979</td>
</tr>
<tr>
<td>Patricia Barraza</td>
<td>CS II, Permanent, Part-time Acquisitions Orders</td>
<td>September 11, 1979</td>
</tr>
<tr>
<td>Linda Durden</td>
<td>LTA II, Ibero Team, Permanent, Part-time</td>
<td>September 17, 1979</td>
</tr>
<tr>
<td>Alec Slinde</td>
<td>CS IV, Permanent, Full-time General Team to LTA II, General Team</td>
<td>September 24, 1979</td>
</tr>
<tr>
<td>Mark Higgins</td>
<td>CS IV, Temporary, Full-time Serials Acquisitions</td>
<td>September 24, 1979</td>
</tr>
<tr>
<td>Shirley Wozniak</td>
<td>LTA II, Permanent, Part-time (status change) Serials Cataloging</td>
<td>October 8, 1979</td>
</tr>
<tr>
<td>Pam Apodaca</td>
<td>CS I, Permanent, Part-time Catalog Records</td>
<td>October 10, 1979</td>
</tr>
<tr>
<td>Anne Sutherland</td>
<td>CS II, Permanent, Full-time Serials Acquisitions</td>
<td>October 22, 1979</td>
</tr>
<tr>
<td>Patricia Seavey</td>
<td>CS II, Temporary, Full-time Serials Cataloging</td>
<td>October 29, 1979</td>
</tr>
<tr>
<td>Matilde Farren</td>
<td>LTA I, Temporary, Part-time Serials Cataloging</td>
<td>October 29, 1979</td>
</tr>
<tr>
<td>Mandy Artiaga</td>
<td>CS III, Permanent, Full-time Preparation Team to CS III, Ibero Team</td>
<td>October 30, 1979</td>
</tr>
<tr>
<td>Janice Garcia</td>
<td>CS II, Permanent, Full-time File Maintenance to CS IV Music/Non-Book Team</td>
<td>November 13, 1979</td>
</tr>
<tr>
<td>Pam Apodaca</td>
<td>CS I, Permanent, Part-time Catalog Records to CS II Catalog Records</td>
<td>November 26, 1979</td>
</tr>
<tr>
<td>Kathy Gienger</td>
<td>CS II, Permanent, Part-time File Maintenance</td>
<td>November 26, 1979</td>
</tr>
<tr>
<td>Jeff Glab</td>
<td>CS I, Permanent, Part-time Catalog Records</td>
<td>December 17, 1979</td>
</tr>
<tr>
<td>Jeanette Ortiz</td>
<td>CS IV, Permanent, Full-time (reclass-promotion) to CS V Serials Acquisitions</td>
<td>January 2, 1980</td>
</tr>
</tbody>
</table>
C. Appointments to staff - continued

Pam Apodaca
CS II, Permanent, Part-time
Catalog Records
January 15, 1980

Sharon Moynahan
Instructor, Permanent, Full-time
Ibero-American Team
January 16, 1980

Susan Haddaway
CS IV, Permanent, Full-time
Serials Cataloging (promotion)
to LTA II, Serials Cataloging
January 16, 1980

Anthony Francis
CS IV, Temporary, Full-time
to CS IV, Permanent, Full-time
Serials Checklist
January 21, 1980

Linda Durden
LTA II, Permanent, Part-time
Ibero Team to LTA III, Permanent
Full-time, Acquisitions Searching
February 4, 1980

Dolores Moreno
CS II, Permanent, Full-time
Acquisitions Orders
February 6, 1980

Patricia Seavey
CS II, Temporary, Full-time
to CS IV, Permanent, Full-time
Serials Cataloging
February 6, 1980

Sue Butcher
CS IV, Temporary, Full-time
Serials Checklist
February 11, 1980

Debra Thompson-Castaneda
LTA II, Permanent, Full-time
Ibero Team
February 19, 1980

Brenda Ziser
LTA II, Temporary, Full-time
Ibero Team
March 3, 1980

Grant Doxtator
Driver V, Permanent, Part-time
Acquisitions
March 3, 1980

Connie Thorson
Head of Acquisitions,
Permanent, Full-time
April 14, 1980

Joanne Franks
CS II, Permanent, Part-time
File Maintenance
April 17, 1980

Ilene Renfro
CS IV, Permanent, Full-time
to LTA II, Temporary, Full-time,
Serials Cataloging
May 19, 1980

Sue Butcher
CS IV, Temporary, Full-time
to CS IV, Permanent, Full-time,
Serials Checklist
June 2, 1980

Luz Van Coevering
CS IV, Permanent, Part-time
Serials Cataloging
June 9, 1980
C. Appointments to staff - continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patricia Seavey</td>
<td>CS IV, Permanent, Part-time</td>
<td>June 23, 1980</td>
</tr>
<tr>
<td></td>
<td>to LTA I, Permanent, Part-time,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Serials Cataloging</td>
<td></td>
</tr>
<tr>
<td>Henry Guenther</td>
<td>CS II (CETA), Permanent, Full-</td>
<td>June 23, 1980</td>
</tr>
<tr>
<td></td>
<td>time, to CS IV, Permanent,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Full-time, Serials Cataloging</td>
<td></td>
</tr>
</tbody>
</table>

D. Separations from staff

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virginia Dudley</td>
<td>LTA III, Permanent, Full-time</td>
<td>July 13, 1979</td>
</tr>
<tr>
<td></td>
<td>OCLC Coordinator</td>
<td></td>
</tr>
<tr>
<td>Alice Loner</td>
<td>CS IV, Temporary, Full-time</td>
<td>August 8, 1979</td>
</tr>
<tr>
<td></td>
<td>Serials Checklist</td>
<td></td>
</tr>
<tr>
<td>Geraldine Lujan</td>
<td>CS II (CETA), Permanent, Full-</td>
<td>August 10, 1979</td>
</tr>
<tr>
<td></td>
<td>time, Preparation Team</td>
<td></td>
</tr>
<tr>
<td>Theresa Jane Tyler</td>
<td>CS II, Permanent, Part-time</td>
<td>August 10, 1979</td>
</tr>
<tr>
<td></td>
<td>File Maintenance</td>
<td></td>
</tr>
<tr>
<td>Eva Sanchez</td>
<td>CS IV, Permanent, Full-time</td>
<td>August 16, 1979</td>
</tr>
<tr>
<td></td>
<td>Acquisitions Receiving/Gifts</td>
<td></td>
</tr>
<tr>
<td>Annabelle Maestas</td>
<td>CS IV, Permanent, Full-time</td>
<td>August 17, 1979</td>
</tr>
<tr>
<td></td>
<td>Serials Acquisitions</td>
<td></td>
</tr>
<tr>
<td>Marcella Thomas</td>
<td>CS II, Permanent, Part-time</td>
<td>August 24, 1979</td>
</tr>
<tr>
<td></td>
<td>Acquisitions Orders</td>
<td></td>
</tr>
<tr>
<td>Courtney Ditamore</td>
<td>LTA II, Permanent, Part-time</td>
<td>August 31, 1979</td>
</tr>
<tr>
<td></td>
<td>Ibero Team</td>
<td></td>
</tr>
<tr>
<td>Lucy Petrovic</td>
<td>LTA II, Permanent, Full-time</td>
<td>August 31, 1979</td>
</tr>
<tr>
<td></td>
<td>General Team</td>
<td></td>
</tr>
<tr>
<td>Kelly Sparr</td>
<td>CS I, Permanent, Part-time</td>
<td>September 1, 1979</td>
</tr>
<tr>
<td></td>
<td>Preparation Team</td>
<td></td>
</tr>
<tr>
<td>Twyla Reinig</td>
<td>LTA II, Permanent, Part-time</td>
<td>September 14, 1979</td>
</tr>
<tr>
<td></td>
<td>Serials Cataloging</td>
<td></td>
</tr>
<tr>
<td>Heidi Carrasco</td>
<td>CS II, Permanent, Full-time</td>
<td>October 15, 1979</td>
</tr>
<tr>
<td></td>
<td>(transfer to Reference)</td>
<td></td>
</tr>
<tr>
<td>Veronica Chavez</td>
<td>CS IV, Permanent, Full-time</td>
<td>October 19, 1979</td>
</tr>
<tr>
<td></td>
<td>Music/Non-Book and Ibero Team</td>
<td></td>
</tr>
<tr>
<td>Dhiren Dave</td>
<td>CS II, Permanent, Full-time</td>
<td>November 6, 1979</td>
</tr>
<tr>
<td></td>
<td>File Maintenance and CS II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Catalog Records</td>
<td></td>
</tr>
</tbody>
</table>
D. **Separations from staff - continued**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position and Details</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barbara Broussard</td>
<td>LTA II (CETA), Permanent, Full-time, General Team</td>
<td>November 15, 1979</td>
</tr>
<tr>
<td>Jean Fish</td>
<td>LTA II, Permanent, Full-time Serials Cataloging</td>
<td>January 2, 1980</td>
</tr>
<tr>
<td>Lynn Varner</td>
<td>CS II, Permanent, Part-time Catalog Records</td>
<td>January 13, 1980</td>
</tr>
<tr>
<td>Ronald Smith</td>
<td>CS IV, Permanent, Full-time Serials Checklist</td>
<td>January 18, 1980</td>
</tr>
<tr>
<td>Janet Johnson</td>
<td>LTA III, Permanent, Full-time Acquisitions Searching</td>
<td>January 18, 1980</td>
</tr>
<tr>
<td>Patricia Barraza</td>
<td>CS II, Permanent, Part-time Acquisitions Orders</td>
<td>January 19, 1980</td>
</tr>
<tr>
<td>Matilde Farren</td>
<td>LTA II, Temporary, Half-time Serials Cataloging</td>
<td>February 5, 1980</td>
</tr>
<tr>
<td>Richard Martinez</td>
<td>Driver V, Permanent, Part-time Acquisitions</td>
<td>February 15, 1980</td>
</tr>
<tr>
<td>Anita Allen</td>
<td>Visiting Lecturer, Temporary, Full-time (transfer to Assistant Dean)</td>
<td>February 28, 1980</td>
</tr>
<tr>
<td>Sherrie Brockett</td>
<td>LTA II, Temporary, Full-time Serials Cataloging</td>
<td>March 14, 1980</td>
</tr>
<tr>
<td>Janet Palmer</td>
<td>CS II, Permanent, Part-time File Maintenance</td>
<td>March 14, 1980</td>
</tr>
<tr>
<td>Anne Watkins</td>
<td>Serials Cataloger, Permanent, Full-time, Instructor, Serials Cataloging</td>
<td>April 30, 1980</td>
</tr>
<tr>
<td>Hira Bhojani</td>
<td>CS III, Permanent, Full-time Catalog Records</td>
<td>May 9, 1980</td>
</tr>
<tr>
<td>Michiko Adams</td>
<td>LTA II, Permanent, Full-time Music/Non-Book</td>
<td>June 2, 1980</td>
</tr>
<tr>
<td>Diana Jacobs</td>
<td>CS IV, Permanent, Full-time Serials Cataloging</td>
<td>June 3, 1980</td>
</tr>
<tr>
<td>Mark Higgins</td>
<td>CS IV, Temporary, Full-time Serials Acquisitions</td>
<td>June 6, 1980</td>
</tr>
<tr>
<td>Glen Ahlers</td>
<td>CS II, Permanent, Part-time File Maintenance</td>
<td>June 26, 1980</td>
</tr>
</tbody>
</table>

- 15 -
### D. Separations from staff - continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Department</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anne Sutherland</td>
<td>CS II, Permanent, Full-time</td>
<td>to CS III, Permanent, Full-time,</td>
<td>June 30, 1980</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Circulation Department</td>
<td></td>
</tr>
<tr>
<td>Melissa Carlisle</td>
<td>CS IV, Temporary, Full-time</td>
<td></td>
<td>June 30, 1980</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Serials Acquisitions</td>
<td></td>
</tr>
<tr>
<td>Mechele Palmer</td>
<td>LTA I, Permanent, Part-time</td>
<td></td>
<td>June 30, 1980</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acquisitions Searching</td>
<td></td>
</tr>
</tbody>
</table>
II. Composite of information requested on individual biographic supplements

1. Advanced Study

Claire Bensinger - Advanced courses in German language and literature, Fall 1979 and Spring 1980

Mina Jane Grothey - Latin American Philosophy, Fall 1979

Jo Nell Hintner - Began work toward MBA: Organizational Behavior, Fall 1979 and Financial Accounting, Spring 1980


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

Donald L. Foster - Visited university libraries in Mid-west (University of Illinois, University of Chicago, Northwestern, etc.) and South (Tulane, Alabama, etc.) in July 1979

Magnus Mack C. Homestead - Visited libraries at the University of Oregon, Oregon State University, and Stanford University during August and September 1979

Rex Carroll Hopson - Travelled to Washington, D.C., July 1979; to Washington, D.C. and New York City, November 1979

3. New scholastic honors, fellowships, etc.

Magnus Mack C. Homestead - Award of Merit from Modern Haiku for haiku in the Tenth Anniversary issue, V. X, No. 3, Autumn 1979

4. Publications

Russ Davidson - Contributions to Historical Abstracts, 1979 Vol.

Donald L. Foster - "Adult Superintendent Column," in Counselor, Vol. 39, Nos. 6, 7, 8 (June, July, August, 1979)

- "How to Tell a Story," Church Educator, Vol. 4, No. 7 (July, 1979), p. 8-9
Donald L. Foster

- "Everything You've Always Wanted to Know..." *Success*, Vol. 31, No. 2 (Spring, 1979), p. 8-9
- "How to Prepare a Questionnaire," *Pastor's Manual*, Spring, 1979, p. 11-12
- "Do Your Students Know How to Take Notes?" *Key*, Vol. 71, No. 4 (Summer, 1979), p. 18
- "What's In a Nickname?" *Now*, August 26, 1979, p. 3
- "A Book for All Peoples," *Now*, September 30, 1979, p. 4
- "Teaching is Giving," *Success*, Vol. 31, No. 4 (Fall, 1979), p. 17


- In *Modern Haiku*, V. 10, No. 2, Summer 1979, p. 41; Vol. 10, No. 3, Autumn 1979, p. 6 & 64 (two poems)
- In Haiku Society of America's *Frogpond*, Vol. 11, No. 2, May 1979, p. 8 (three poems)
Magnus Mack C. Homestead

- In Mature Years, Vol. 11, No. 4, June-August 1979, p. 30 (two poems)
- In Science of Mind, August 1979, p. 102 (one poem)


Connie C. Thorson - "A Scheme for the Temporary Classification of materials on Foreign Law," co-author with Dennis Reynolds. LRTS, Spring, 1980

5. Other research projects or creative work in progress or completed

Russ Davidson - In progress: "Faculty Status of Librarians in the Rocky Mountain Region" (co-author) and Politics and Ecclesiastical Patronage in Columbia, 1810-1853 (monograph in progress)
- Proposal: "Mexicana and Mesoamericana in the University of New Mexico Libraries: An Annotated Guide to Holdings" - grant proposal submitted to the NEH Research Resources Program

Mina Jane Grothey - In progress: Bibliographic Essay on Liberation Theology

Magnus Mack C. Homestead - Continued research toward a book on the philosophy of librarianship
- Various articles on haiku are in process
- Library articles resubmitted to Library Research: An International Quarterly
Rex Carroll Hopson - In progress: New Mexico's Old Hotels and Opera Houses
- A cumulative index to New Mexico Magazine, Vol. 1-50

Daniel W. Lester - Research on Formula Budgeting for Academic Libraries
- Research on Chinese Palace Dogs, 1850-1920

Diane Stine - Continued work on article about cataloging microforms using AACR II

- Essay untitled as yet, on four novels by Lars Lawrence (the pseudonym of Philip Stevenson) which deal with the riots after the labor strikes in Gallup, New Mexico in the early 1930's. To be included in a book on New Mexico Labor History by Robert Kern, Professor of History at UNM. To be published by UNM Press in 1981. Co-author with James L. Thorson
- Survey on faculty status in the Rocky Mountain Region with Russ Davidson and Margo Trumpeter. Supported by a UNM Research Allocations Grant

Benita Weber - Continued work on Preservation book with Neosha Mackey, co-editor

Sidney Yen - In progress: Chinese Language Material in the University of New Mexico General Library: a Bibliography

6. Activities in learned and professional societies

Russ Davidson - Organized and chaired panel on "The historiography
Russ Davidson

of the Church in Latin America

- Recent Trends in Research, "Rocky Mountain Council on Latin American Studies, Annual Meeting, Santa Fe, April 1980
- Presented paper at the meeting: "Historical Writings on the Church in Latin America: the National Period to Vatican II"
- Attended SALALM Mid-winter, Chicago, January 1980
- Attended SALALM Annual meeting, Albuquerque, June 1980
- Appointed member of SALALM Library/Bookdealers/Publishers Relations Committee
  - Served as Chair, Exhibitor's Committee, for Annual Meeting
  - Served as Chair, Local Arrangements Committee for 1980
- SALALM Dealers' Reception
- Attended New Mexico Consortium on Latin American Studies, Las Cruces, November 2-3, 1979
- Attended ALA Mid-winter meeting, Chicago, January 1980

Mina Jane Grothey - Presented paper, "The Church in Latin America since Vatican II: recent research trends, at the Rocky Mountain Council on Latin American Studies, Annual meeting, Santa Fe, April 1980
- Attended SALALM Mid-winter, Chicago, January 1980
- Attended SALALM Annual meeting, Albuquerque, June 1980
- Served as Chair, Local Arrangements for SALALM Annual meeting
- Served as Chair, SALALM Cooperative Cataloging Group
- Attended ALA Mid-winter meeting, Chicago, January 1980

Jo Nell Hintner - Attended ALA Mid-winter meeting, Chicago,
January 1980
- Chaired Discussion Group on Commercial Automated Support of
Jo Nell Hintner

Technical Services in Medium-Sized Research Libraries; planned programs for January and June meetings of this group

- Attended AMIGOS Bibliographic Council, Fall 1979 and Spring 1980 technical and membership meetings
- Chaired AMIGOS Committee on Cataloging and Quality Control
- Member, New Mexico Library Association
- Member, Corrales Historical Society

Rex Carroll Hopson - Member, Albuquerque Historical Society

- Member, New Mexico Folklore Society
- Member, New Mexico Historical Society
- Member, New Mexico Library Association

Pat Jennings - Attended the annual meeting of the Rio Grande Chapter of Special Libraries Association, September 1979


- Attended Special Libraries Association Conference, Honolulu, June 8-14, 1979
- Served as one of three members of the Special Libraries Association, Select Committee on the future of the journal *Special Libraries*
- Attended meetings of Rio Grande Chapter of Special Libraries Association, serving as the Chapter President and Past-President
- Attended New Mexico Library Association Annual Conference, Farmington, March 28-31, 1979, and several meetings of its Executive Board
Daniel W. Lester

- Served as Chair of the New Mexico Library Association Publications Committee

- Attended the ALA/RTSD Closing the Catalog Conference, San Francisco, February 13-16, 1979


- Attended Conference on Marketing of Information Services, Arlington, VA., September 12-14, 1979, serving as discussion leader

Sharon Moynahan - Member, Latin American Studies Association

- Member, New Mexico Library Association

- Attended Rocky Mountain Council on Latin American Studies, Annual meeting, April 1980

- Attended Seminar on the Acquisition of Latin American Library Materials Annual Meeting, Albuquerque, June 1980

- Served on Local Arrangements Committee

- Elected Chair, Committee on Library Operations and Services

- Served as Rapporteur General


- "Insult, Invective, and the Fine Stroke: How Edinburgh Fared." Accepted for presentation at the Annual Conference of the South Central Society for Eighteenth-Century Studies to be held in Albuquerque, New Mexico in March of 1980
Connie C. Thorson
- Attended the Rocky Mountain Modern Language Association Annual Conference in Albuquerque, New Mexico in October, 1979
- Attended the Modern Language Association Annual Conference in San Francisco in December of 1979
- Attended the American Library Association Annual meeting in Dallas, Texas in June of 1979

Evelyn Verstynen - Member, American Library Association
- Member, New Mexico Library Association

Anne Watkins - Attended ALA Conference January and June
- Attended AACR II Workshop, June
- Attended NMLA Conference, March
- Served as member of NMLA Library Development Committee

Benita Weber - Attended ALA Conference January and June
- Attended NMLA Conference, March
- Completed term of NMLA Treasurer
- Completed term of Chairperson, ALA RTSD SS Committee to Study Serials Records
- Appointed Local Arrangements Chairperson for NMLA 1981 Conference
- Re-appointed as member of Committee to Study Serials Records

7. Other professional activities

Russ Davidson - Consulting, Mexico local archival cataloging and conservation program, Phase I: The State of Oaxaca

Donald L. Foster - Revised syllabus, Library Science 427, Classification and Cataloging for UNM Division of Continuing Education
- Taught LS 424 and LS 427 through the Division
Mina Jane Grothey - Indexed journals for Hispanic American Periodicals Index (HAPI)

Jo Nell Hintner - Prepared, "Position Paper on Third Party Use of OCLC Members' Archives Tapes" for Ad Hoc Committee on Third Party Use, Executive Board, AMIGOS Bibliographic Council, January 1980


- Consulted with Library staff, Museum of New Mexico, regarding their proposal to seek funding to use OCLC for cataloging

Rex Carroll Hopson - Served two weeks active duty, U.S. Coast Guard, Washington, D.C.

8. Non-teaching University service

Claire Bensinger - Member, University Press Committee

Russ Davidson - Member, Latin American Institute Library Sub-committee

- Member, Research and Publications Committee, General Library
- Member, Ad Hoc Serials Withdrawal Committee, General Library

Donald L. Foster - Member, Research and Publications Committee, General Library

Mina Jane Grothey - Member, Exhibits Committee, General Library

- Member, Search Committee for Assistant Acquisitions/Serials Librarian, General Library
- Member, Brazil Week 1979 Planning Committee

Jo Nell Hintner - Member, Faculty Senate Budget Review Committee

- Member, Search Committee for Assistant Dean for Collection Development, General Library
Pat Jennings - Future of Bibliographic Records Committee
- Reference Librarian (Physical Sciences) Search Committee

Daniel W. Lester - Elected to term as Member of Board of Directors of UNM Faculty Club, for 1979-82 term

Diane Stine - Library Faculty Council
- Library Research and Publications Committee
- Volunteer math tutor in Skills Center

Connie C. Thorson - Library representative to the Senate Graduate Committee
- Member of Faculty/Staff Benefits and Welfare Committee
- Member, UNM General Library Sabbatical Leave Review Committee
- Chairperson, Parish Librarian Search Committee

Evelyn Verstynen - Member, Scholarships, Prizes and Loans Committee
- Librarian and consultant, Newman Center Library, UNM

Anne Watkins - Ibero-American Cataloger Search Committee
- Future of Bibliographic Records Committee

Benita Weber - Coordinator of Skills Center
- Assistant Dean for Collection Development Search Committee
- Research Allocations Committee
- Continuing Education Committee
- Policy on Withdrawal of Library Materials Committee

Sidney Yen - Member, Search Committee for Head of Government Publications Department, General Library

9. Public services

Mina Jane Grothey - Member, Chancel Choir, First United Methodist Church
- Librarian for the choir and teacher in United Methodist Sunday School
Jo Nell Hintner - Member, Cibola High School Booster Club
Magnus Mack Homestead - Contributor to CARE, Society of Friends Relief Programs, and Kenyon College, Gambier, Ohio
Rex Carroll Hopson - Member, Civic Beautification Committee, Albuquerque Chamber of Commerce - Member, U.S. Coast Guard Reserve
Daniel W. Lester - President, Greater Albuquerque LHASA APSO Club
Connie C. Thorson - Friends of the UNM Library - Friends of the Bodleian Library
Evelyn Verstynen - Democratic Party Precinct Chairman - Democratic Party County Central Committee, Deputy Voter Registrar
Anne Watkins - Secretary, Corrales Historical Society - Board of Directors, Ocha Cooperative
A. Significant achievements during the year

The Collection Development Division accomplished many things in its first full year of existence under the new organizational plan. Most importantly, perhaps, the solidifying of the organizational structure was achieved. The general opinion of the subject selectors and the Acting Assistant Dean is that having the selection responsibilities de-centralized throughout the General Library has allowed the library staff to better serve the needs of the entire university community. Having the selection function rest with many librarians allows those librarians to offer more specialized service to the teaching departments and to use their subject expertise and their knowledge of the General Library's collections for the rational development of the collection.

There are presently thirty-one librarians involved in the selection of materials for the General Library. Some of these selectors are the primary library liaison for one or two teaching departments, while some are involved with selecting for area studies programs. Some of the selection assignments have changed during the year as new librarians have been hired and as some other library faculty members with subject expertise have been brought into the selectors' ranks. Being the library's liaison with a particular department or program has permitted the faculty member to become more intimately acquainted with many of the faculty and students in those departments and programs. It has allowed the librarian to become even better acquainted with the areas of concentration and the various degree requirements for their areas of specialization. In many cases, the person who selects for a department is also the reference, library instruction, and on-line search-service
expert in that area. This total service program is one of the best features of the new divisional organization. Another outstanding organizational feature is that selectors have primary appointments in every department in the library--some are reference librarians, some are cataloguers, and some are acquisitions or serials librarians. Having many people from many departments involved in selection has added to the cohesion of the library's faculty. This involvement of so many in one of the General Library's most important functions is, indeed, a significant accomplishment.

Even though the allocated book budget for the General Library is not adequate for a research library, another significant achievement of the 1979/80 fiscal year was obvious in the buying patterns that emerged throughout the year. In the fall of 1979 the selectors, together with the Dean, recognized overtly that the percentage of funds spent on serials and continuations would have to be allowed to float upwards. This conclusion was reached after several months of intense evaluation of serials in every subject area and the cancellation of extraneous titles. This cancellation project was coupled with the serials reconciliation project which has allowed the librarians to have hands-on experience with all the currently-received serials titles in the library's collection. However, after the fat had been trimmed away, it became obvious to everyone that there are journals in every field that cannot be excluded from any research library. The conclusion that core serials had to be added was also obvious. Some faculties, those in the sciences are a good example, depend heavily on serials for the support of their research. Standing orders, necessary for those materials that appear once a year or for those that appear in sets published over a number of years, also had to be set up. The General Library, in many cases, had been buying these annual volumes and the available volumes in sets every year. Such buying practices are an irrational use of library personnel and resources. But standing orders, like serials, imply an on-going obligation that cannot be ignored.
At the same time that serials reconciliation was progressing and that serials orders were being placed, the selectors all made a significant contribution by monitoring approval and blanket order plans and by ordering materials on a title-by-title basis. Title-by-title ordering, if it is done well and if it really reflects the research interests of the faculty and students, is an extraordinarily time-consuming endeavor. Title-by-title ordering is necessary because no approval plan, which is always based on a profile for needed materials, can supply every title that is necessary. Most approval plans cannot supply any retrospective titles and will not supply the publications of societies, associations, and private research organizations. Approval plans cannot provide copies of books that need replacing or copies of materials for which duplicates are an absolute necessity. It is the obligation of the subject selector to scrutinize faculty and student requests for titles, review literature, and publisher's catalogues in order to make sure that the General Library is receiving the materials necessary to support the University's programs and course offerings. The conscientious carrying out of these obligations and responsibilities is the most significant contribution any subject selector can make.

Perhaps the most significant recurring problem throughout the entire year was that of library funding. The appropriated budget for the 1979/80 fiscal year was so inadequate that Dean Vassallo carried the case for an additional allocation to the University Administration. He was successful in his endeavors, and in the fall, the General Library received an additional $150,000 for library materials. He was aided in his presentation by the Ad Hoc Steering Committee on Library Funding, chaired by Professor Claude-Marie Senninger. This committee obtained almost unanimous support from the teaching faculty for additional funds being diverted to the library for the purchase of necessary research materials. Petitions with the signatures of
almost all teaching faculty were presented to the administration, and this show of strength was both formidable and useful. However, that additional money was a one-time allocation, and it has not solved the problem, which is, in every way, an on-going one. It is imperative that the funding for the General Library reach a level that will allow both for inflation and growth. Until the base on which appropriations are figured reaches a level that will allow for both growth and inflation, the General Library will not be able to adequately serve the educational needs of its patrons. How to get the level of funding to an adequate point is the most pressing problem facing the General Library. As long as the support for the materials budget is marginal, the General Library will have to turn down many requests of students and teaching faculty.

Many significant gifts were received by the General Library during the 1979/80 fiscal year. Gifts from the Friends of the UNM Libraries included the book *Che! Wah! Wah! Or the Modern Montezumas in Mexico*. The book, an account of a tour that a party of easterners made to New Mexico and Mexico, was published in Rochester, New York, in 1883. The photographs of the places the tourists went to are particularly valuable. The other gift from the Friends was a rare pamphlet entitled "To the Congress of the United States, by R. H. Weightman, Senator Elect, State of New Mexico, Requesting the Passage of a Bill Declaring New Mexico One of the United States of America on Certain Conditions." This document was printed in 1851, sixty-one years before New Mexico finally achieved statehood. These additions to the Special Collections of the General Library are noteworthy tools for the researcher. Other significant gifts came to the General Library from faculty members, citizens of Albuquerque, organizations, and publishers. A complete outline of gifts and donors appears in the annual report of the Acquisitions Department. It is interesting to note that the number of gifts to the General
Library increased by over 20,000 and the donors by over 400 during the fiscal year.

The completion of the Japan Grant was another achievement of the year. The General Library, through the good auspices of the Japanese Government, purchased many materials on Japan that have greatly increased the library's Asian holdings. The Japanese Government very kindly gave the General Library $10,000 to spend for these materials. Materials bought covered every possible subject area, from art to history, from literature to economics. In honor of the completion of the Japan Grant, a reception was held in the West Wing of the Library. Also, a special Japan Day celebration was held in conjunction with the Albuquerque Public Library and the Albuquerque Museum.

During the spring of the year, plans for a grant for materials on and about Quebec were made. The terms of the grant allow the General Library to buy Quebecois materials of its choice up to a total of $1,000. The Quebec government will reimburse the library for half of the amount spent. Grants such as these are very useful to the General Library because they allow for growth in areas in which the library's holdings are weak.

The Collection Development Division accomplished a great deal during the 1979/80 fiscal year. When there is a permanent Assistant Dean for Collection Development, the accomplishments will be even greater. The achievements in the purchase of materials could be more significant and would be more obvious if the funding for the General Library were adequate. However, in times of decreasing purchasing power, the need for Collection Development cannot be over emphasized. Having someone to supervise the buying that can be done is imperative when a library does not have the resources to buy all the worthwhile materials needed for a research facility. Someone has to be in a position to coordinate the development of the collection and weigh the rela-
tive merits of the materials needed.

B. Considerations for the immediate future

The most necessary consideration for the future is the education of the University Administration to the importance of adequate funding for the General Library. Only when the funding is raised to a level that will permit growth and expansion will other considerations become the top priority. Providing support for the efforts of the Dean to increase funding will be a primary duty of the Assistant Dean for Collection Development for the 1980/81 fiscal year and probably for many years to come.

Another consideration for the future will have to be the systematic evaluation of the collection. Of course, some evaluations of the collections are undertaken every year, but known areas of both strength and weakness must be continually evaluated to allow for rational growth. Evaluation of existing collections is the only way that the responsibilities of the Division can be carried out over the long term. I am hopeful that each selector can take one specific area of his/her subject and conduct an in-depth evaluation of it during the year. Such evaluations of the collection will increase the expertise of the selectors and will allow for the intelligent expenditure of the funds that are available. The teaching faculty will necessarily have to become involved in any evaluations.

The University of New Mexico General Library needs a gifts' policy statement. A committee to draft a gifts' policy has already been appointed, and it will, it is hoped, produce not only a policy that will help the development of the collection but will also produce a brochure that will be available to all donors and potential donors. Finding a balance between accepting gifts and keeping donors happy with the library will be difficult. However, if the number of gifts were to grow in the same way that it did during 1979/80, the staff of the General Library would not be able to process those gifts.
In addition to gifts of books and other library materials, the General Library should begin a program of actively pursuing grants that would allow for the purchase of much needed materials. In times of a decreasing budget, the temptation is to try to bring up those areas of the collection that are lacking while allowing the areas of strength to decline or languish. Soon, of course, the areas of strength are just mediocre. Pursuing grants that would enable us to continue building our areas of strength would be of great value to the University.

Another project that must be of high consideration to the General Library and the University community at large is that of acquiring the papers of New Mexico authors, businesses, political figures, and prominent citizens. The establishment of a Southwest Research and Archival Center would permit the gathering in one place of materials that must not be allowed to disappear or go to another state. The General Library already has the papers of some prominent New Mexicans, but a concerted effort to gain commitments from others is necessary. The committee appointed to study the problem will draft a policy and procedures for pursuing the deposit of these archival materials.

One consideration that cannot be over looked is that of the implications of the General Library's adding the millionth volume to its collections during 1980. A celebration of the millionth volume's addition is being planned and a commemorative volume for the celebration is being written. The addition of the millionth volume is a fact that should stir the pride of every citizen of New Mexico. However, complacency should not be the result of this pride. The General Library has the distinction of belonging to the Association of Research Libraries, and as such it must continue to grow. We must do our part to contribute to scholarly research and to uphold the obligation we have assumed by being admitted to an association that includes the greatest research collections in the United States, collections such as those at
Harvard, Yale, and the University of Illinois, not to mention the Library of Congress and the New York Public Library.

The new organizational structure of the Collection Development Division will continue to be modified and/or changed as the need arises. The structure will continue to help the librarians make as good a use as possible of the funds that are available. Having few funds available will increase intuitive and rational decision-making on the part of the subject selectors.

C. Appointments to staff

Connie Capers Thorson was appointed the Acting Assistant Dean for Collection Development on March 1, 1980.

D. Separations from staff

Dora Biblarz resigned her position as Acting Assistant Dean for Collection Development on March 7, 1980.

E. Selection Assignments

Linda Lewis - Women's Studies; Humanities Coordinator

Connie Thorson - English and American Literature and Language - Irish and Scottish Literature

Evelyn Verstynen - French Literature and Language

Russ Davidson - Ibero-American History, Political Science, Sociology, Economics, Geography

Steve Rollins - American Studies

Claire Bensinger - German Literature and Language

Mina Jane Grothey - Spanish and Portuguese Language and Literature, Ibero-American Philosophy

Judy Pence - Linguistics and Classics

Nancy Pistorius - Art, Architecture, Photography, Latin American Art

Jim Wright - Music, Theatre Arts

Bea Hight - Philosophy and Religious Studies
Donald Farren – Special Collections
Margo Trumpeter – Journalism and Speech Communications
Sharon Moynahan – Ibero-American Anthropology and Archaeology, Education, Psychology
Diane Stine – Russian Language and Literature
Mary Ellen Hanson – Education and Psychology; Education Coordinator
Benita Weber – Library Tools and Library Science
Deborah Eagan – Education, Tireman
Fran Oscadal – History, Economics, Political Science, NROTC; Social Science Coordinator
Ellen Robertson – Sociology and Anthropology
Charlie Seavey – Geography, Maps, Government Documents
Judith Bernstein – Parish and Public Administration – Business Administration and Management for Zimmerman
Ernestine Paniagua – Ethnic Studies
Carol Hutchins – (Dorothy Trester) – Physics, Mathematics, Geology; Science Coordinator
Zanier Vivian – Engineering
Gilda Baeza – Biology and Communicative Disorders
Harry Broussard – Computer Science
Pat Jennings – Newspapers
Jim Jacobs – Local and International Documents
Teresa Marquez – State Documents
Sandra Coleman – Reference Coordinator, Chemistry
1. Significant Developments during 1979/80

**Personnel.** Search committees were formed to recruit and screen for ten permanent faculty positions during fiscal year 1980. They were: Head, Acquisitions; Assistant Dean for Collection Development; Assistant Government Publications, Physical Science Reference, Ibero-American, Tireman, and Assistant Ethnic Studies Reference librarians; Ibero-American cataloger; Head, Government Publications; and Head, Parish Library. All except the Assistant Dean and Physical Sciences Reference positions were filled. Four temporary librarians were hired: two acting heads of Parish, acting assistant government publications librarian, and resource development librarian.

The Library's first post-master's intern began working July, 1979. Russ Davidson, Latin Americanist, floated from department to department during his first 3 months and was then placed on the Ibero-American cataloging team. During the year, a recruitment effort was launched for a 1981 intern. This person will be experienced in library instruction and will be coordinating the library's instruction program.

Staff development efforts included a monthly professional roundtable discussion; workshops on interviewing, being interviewed, telephone procedures, time management and analyzing performance gap; tours of the law, medical and Sandia libraries; safety workshops by Bill Carroll, Campus Safety Officer; and problem patron workshops by Pam Boyer of Campus Police.
Margo Rathbun was invited to become a HEMI trainer. She attended the required workshops to prepare her for this responsibility. As a result, she led a workshop on analyzing performance gaps at the Cancer Research Center with Sheila Mattox.

Some experiments with new methods of recruiting for faculty positions were tried during the year. 1) Universities who had advertised for positions similar to ours were contacted and their unsuccessful, but excellent candidates were identified and notified of our openings; 2) While recruiting for a physical sciences reference librarian, all science librarians who belong to the LAMA Women Administrators group were asked for references or referrals, and the vacancy was listed in job hotlines throughout the country; 3) Other library directors were contacted personally by search committee members to ask for recommendations for the assistant dean position, and RSTD committee members of the ALA Collection Development Committee and authors of dissertations on collection development issues were notified of the opening; 4) The names and addresses of the Spanish speaking students was obtained from the Director of the GLISA program at Arizona so that notices of vacancies can be sent to them; 5) Names and addresses of recipients of scholarships for handicapped students to North Texas State University and the University of Arizona were obtained so that notices of vacancies can be sent; 6) Advertisements of selected position vacancies were placed in special journals such as C&ES NEWS and Documents to the People, in addition to the usual advertisements placed in The Chronicle and American Libraries.
The Library continued to recruit minority staff and faculty. Besides the recruiting efforts mentioned above, a Division of Vocational Rehabilitation client was placed in the library for a three-day experiment; the relationship with Career Services for the Handicapped continued; WORP students were hired, and college students were hired for the summer through the All Indian Pueblo Council.

With the University's clerical staff voting to be represented by the CWA, Margo was invited to be a member of the University's negotiating team. After settling on a contract, she arranged to talk with supervisors of every department about administration of the contract.

A formal effort to advise faculty who will be facing their mid-way evaluations was made for the first time this year. A format and suggested packaging of dossiers was developed and distributed to the faculty members affected. This will be a continuing responsibility of the Assistant to the Dean for Management.

Building. A number of large shifts were made during the year. The Government Publications office switched places with the Copy/Media storage area; the third floor was remodelled to accommodate the Basic Skills Center; the microforms reference area was re-arranged, which required the moving of the microfiche cabinets and readers from one bay to another; the reference area on the first floor was remodelled to enclose an office area for the librarians and the stacks and card catalog were moved.
A security system was installed in the Meem area. The physical plant painted the inside of the building and a regular pest extermination program was begun in both Zimmerman and Parish libraries.

Receptions held in the Library during the year included one celebrating the Japan Grant, Media Day on March 1, and an introduction of the Skills Center staff to the teaching faculty.

**Fiscal Services.** The Library's organizational codes were changed to reflect each department within the Library. This will facilitate the distribution of sick and annual leave records which are now computerized by Payroll.

As a result of the incorporation of the Friends of the University of New Mexico Libraries, help was given to the Executive Secretary in establishing their tax exempt status. In addition, a report was prepared for the Friends on their funds balances and a projection of their income and expenses was made.

With the institution of the Basic Skills Center in the Library, monitoring of their budget, as well as that of the Friends, was taken on by fiscal services staff.

David Williams worked with Harry Broussard to computerize the weekly materials expenditures/encumbrances report; the monthly financial reports; and the weekly
BATAB agency fund reports. With input from management and the selectors, Harry Broussard wrote the computer programs for each. The production time of these reports has been shortened by a matter of days and more frequent and current lists can now be produced.

The Library's new membership in Association for Research Libraries required completion of two comprehensive salary surveys. David Williams responded. David Williams wrote a contract which allows the Library to supply interlibrary loan services to CDS laboratories in Colorado. The office has taken on the requisition and billing responsibilities for the on-line data base search service; for interlibrary loan, including the contracts with CDS and Sandia Laboratories; and for the Copy/Media center.

**Systems and Development.** Harry Broussard, Assistant to the Dean for Systems and Development, worked as co-ordinator for the Basic Skills Center during the Fall and Summer semesters. With George Miller's resignation, he took over responsibility for the coordination of response to questionnaires and surveys. During the year, thirty-seven collection instruments were filled out and returned.

Miscellaneous one-time projects always comprise a substantial portion of the year's progress in systems. The following were noted during the year:

---Improvements were made to the computerized mailing lists for the Friends and for job applicants.
--A reference binder containing all current statistical data on the Library was established and is retained in Harry's office.

--Harry learned to use the new computer installed in January and trained several others to use it. In the past, that facility was relied on for the production of updated telephone lists and orientation manuals, despite the lack of text editing commands and the dubious quality of the printed product. True word processing equipment will be welcomed by the office.

Work continued on plans for the inventory control system. Harry organized and participated in a trip to vendor installations in Washington and Nebraska, drafted about thirty-five memos or reports on the subject, and made a presentation to the Provost's Council. In May, four years to the month since study and planning began, the University released a Request for Proposal for the system.

Grants. Jerry Wise, half-time Executive Director of the Friends of the University of New Mexico Libraries, was hired as a half-time, temporary Resource Development Librarian. His duties included identifying funding sources for specific projects, grant writing, publicity, and planning receptions in conjunction with the Friends.

During his tenure, he coordinated the preparation of three grant proposals. "A Documentation of the Navaho and Hopi Indian Relocation Dispute" was funded at $73,855 by the National Endowment for the Humanities Special Projects Division. The Greater UNM Fund supported "A Keepsake Volume for the University
of New Mexico Libraries' one Millionth Acquisition Celebration" at $1000. The third project, "Mexicana and Mesoamericana in the University of New Mexico Libraries: An Annotated Guide", was submitted to the Research Resources Division of the National Endowment for the Humanities to be funded at $86,314.

2. Plans and Recommendations for the Future

The staff development efforts which are being made by the library will change with the advent of the Higher Education Management Institute (HEMI). The recommendation is for each supervisor to administer the Leadership Effectiveness Questionnaire (LEQ) to his/her own work group. The results of the LEQ will then be used to help determine which training modules would be most useful for the group. Margo Rathbun will then work with the supervisors in setting up and teaching the HEMI modules.

Data has already been gathered and coded to determine what natural career ladders exist in the library. This information will have to be analyzed in the Fall with the financial help of either a RAC grant or free statistical help from the mathematics department. The results will help Margo counsel new employees about the direction their progress within the library might and might not be likely to take. It will also be interesting to compare this data with data a few years in the future to see whether or not the CWA has had an effect on the movement of personnel within the library.

The effect of the union on the personnel of the library is unknown. Since Margo will be involved in all grievances, it is fair to speculate that more of her time will be spent on personnel in the future.
Margo has been accepted into a special certificate program in public budgeting and finance offered by the Public Administration division. These courses and specialty will probably raise some questions and suggest new ways of looking at the budgeting procedure. There may, therefore, be more of an involvement on her part in the fiscal services of the library. She already has been more involved with the Acting Assistant Dean for Collection Development in developing the internal allocation of materials budget.

The possible introduction of a word processor into the Administrative Services office may change the Administrative Secretary's work load drastically. It is expected that the Staff Secretary will do most of the typing on the word processor, leaving the Administrative Secretary free to do more drafting of correspondence, abstracting of professional literature, and researching of issues desired by the Dean.

One of the librarians has been named acting director of the libraries in Los Alamos and Belen. Since he now reports directly to the Dean, his secretarial needs will have to be met by this office. In addition, the Friends of the Library did not renew the contract of the Executive Director's secretary. Therefore, his secretarial needs will also be met by this office.

3. Appointments to Staff

Mary Kelly, CS II, 8/13/79
Barbara Sutherland, Staff Secretary, 8/14/79
Judi Peck, Administrative Secretary, 9/4/79
The Report of Administrative Services, 7/79 - 6/80
Page 9

Jerry Wise, Resource Development Librarian, 11/11/79
David Gonzales, Administrative Assistant, 11/26/79

4. Separations from Staff

Sandra Weeke, Administrative Secretary, 8/2/79
Anne Sutherland, CS II, 8/6/79
George Miller, Director for Library Communications, 8/8/79
Irene Moreno, Administrative Assistant, 10/31/79
Judi Peck, Administrative Secretary, 6/27/80
Barbara Sutherland, Staff Secretary, 7/11/80
Jerry Wise, Resource Development Librarian, 6/30/80

5. Publications


6. Outside Professional Activities

Rathbun, Margo Trumpeter. Attended American Library Association conferences in January and June; panelist at 13th Annual CUPA conference held in Albuquerque, in April; member of the State Advisory Committee on Continuing Education; appointed by Dr. Lange, State Librarian, to the Continuing Library Education Advisory Council (CLEAC).

Vassallo, Paul. Attended American Library Association conferences, ACRL Legislation Committee; member and Secretary, Board of Trustees, AMIGOS Bibliographic Council; Chair, Council of New Mexico Academic Libraries (CONMAL); founder of Council of Academic Research Libraries in AMIGOS (CARLA); delegate and Chair of New Mexico Delegation to the White House Conference on Library and Information Services, November, 1979.

7. Outside Sponsored Research

None
I. General Department Information

A. Significant achievements during the academic year

The Acquisitions Department had a fruitful and challenging year during 1979/80. There were significant personnel appointments made during the year, and the department has benefitted from new faces, new ideas, and new personalities. While Patricia Jennings, the Assistant Serials/Acquisitions Librarian began in July, the department was without a permanent head until April, 1980. Having an acting department head for a long period of time is a challenge, and the department members responded well to it.

Probably the greatest challenge to and most significant achievement of the department during the year was the result of a disproportion in the flow of orders. The flow was very light in the fall, but in January, February, and March it was very high. In order to cope with the crush of orders during those months, the department had to solicit help from other departments in the Library. Help was graciously offered by both Serials and Bibliographic Control. Also, the searching of standing order receipts had to be abandoned for a few months. It was gratifying to see how well the members of the department worked together during this difficult time. The cooperation among the sections was outstanding, with staff members going to the areas where they were most needed at any given time. The various sections gained a greater understanding of what it means to be a department during this time. Fortunately, during these months the turnover in the department was minimal.
Communication within the department and with other departments was an area that continued to see improvement during the year. Having a librarian who works half time in Serials and half time in Acquisitions has been a great help in this area. Having a person knowledgeable about both areas is an intelligent use of library resources. The work of these two departments is so inter-related that each needs to know what the other is doing and how various practices and procedures affect the other. Working together, while it may seem an obvious necessity, is not always easy to do in a large organization, but the new lines of communication are helping the Acquisitions staff to perform their functions and discharge their responsibilities to the General Library in more effective ways.

**Acquisitions Purchasing**

High inflation continued to wreak havoc on book purchasing during the year. However, the level of buying during the academic year did not decrease; it increased somewhat, probably because of the additional allocation that the University gave the Library in the fall of 1979. The following figures will show that the disasterously low number of books purchased in 1978/79 was, perhaps, an all-time low.

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

However, several more years at buying at this level will not allow the General Library to keep pace with other research libraries. All of the bond issue money, except for that being held for the acquisition of an automated circulation system, has been spent, as of the end of the 1979/80 fiscal year.
Searching

The searching statistics for the 1979/80 fiscal year are really quite astounding. The Pre-selection and availability searches are up over 68%. This figure, no doubt, reflects the fact that selectors were very conscientious about their ordering. They had a need to know what the library already had or did not have so that they could make educated and intelligent decisions on what to purchase. This pre-selection searching is a service that the department feels very good about offering to selectors.

The number of pre-order searches was also up somewhat, probably because many firm orders were placed when the University Administration gave the General Library an extra $150,000. Also, post-order searching was up a bit, even though approval receipts were down for the year.

The Searching Section did an outstanding job throughout the year, but especially during the winter months when ordering was incredibly heavy. The searchers would not have been able to do the work demanded of them if it had not been for the cooperation of the other departments in Technical Services which very kindly loaned various people to the Searching Section for varying lengths of time. The spirit of cooperation was truly heart-warming.

A complete breakdown of the section's statistics for the year appears at the end of this report.

Order Section

The Order Section did an extraordinary number of orders this year, especially when the fact that most of the ordering was done in the winter months is considered. The total approval orders were down by about 2,000 from the 1978/79 fiscal year, which means that the number of firm orders increased considerably, as can be seen quite clearly from the table of statistics from the previous years. One trend that the section saw
during the year was an increase of prepayments. Probably because of the economic situation, the demand for prepayments soared during the year. Handling orders such as these increases the work of the section a great deal.

**Receiving/Gifts**

Some very good changes took place in the Receiving/Gifts Section during the fiscal year. First of all, the problems of the back door and the mailroom seem to have been solved. Things are running smoothly, and there have been very few complaints. The trash men seem to be coming on schedule as do the recycle people. Many of the members of the section have learned to use OCLC, and, consequently, they are able to answer more of their own questions. It seems that the cooperation within the Section has increased, and most members of the Section are learning the jobs of others so that when people are absent the flow of materials does not falter.

The complete revision of the procedures manual for the section was accomplished during the year. Also, the cleaning of the pending file and its consistent maintenance were inaugurated. Some change of furniture was also done so that the section is now organized on a more rational basis.

Because of the vision of the head of the section, the section has been able to keep up with paying invoices more efficiently than ever before. Also, the processing of books for cataloging has improved, and the general flow in the department has stabilized.

The Gifts Section had its work cut out for it during the last year. The increase in the number of gifts received is staggering. The increase is more than 20,000 above the gifts received last year. And the number of donors increased by 467. The handling of gifts is a very labor-
intensive job, and it has been handled well throughout the year. In addition, the gifts personnel have undertaken to distribute the materials that we have received permission to dispense to other libraries. An active list of places that are eager for materials that we do not need is being kept.

**Significant Gifts**

Some very significant gifts, both in terms of quality and quantity, were received during the past fiscal year. These include the following:

- 5,073 books and serials from the estate of the late Professor Arnold Koschmann;
- 688 books and serials from the estate of the late Professor Franklin Dickey;
- 2,058 books and serials from retiring Dean of Arts and Sciences, Nathaniel Wollman;
- 1,901 items from Abraham I. Shinedling;
- 753 items from the estate of the late Ralph S. Trigg;
- 269 items from Professor Peter Pabisch;
- 795 items from Professor Ralph Norman;
- 1,431 books from the UNM Bookstore;
- 2,617 books from the NROTC Department;
- 2,944 items from KHFM Radio Station. The list could go on and on, but this is a representative sampling.

The number of gifts received for review by the subject selectors is given in the following list:

**Cumulative total of gifts for the fiscal year, 1979/80**

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books</td>
<td>15,255</td>
</tr>
<tr>
<td>Serials</td>
<td>23,951</td>
</tr>
<tr>
<td>Government Documents</td>
<td>1,894</td>
</tr>
<tr>
<td>Music Scores</td>
<td>363</td>
</tr>
<tr>
<td>Reports</td>
<td>1,214</td>
</tr>
<tr>
<td>Pamphlets</td>
<td>2,077</td>
</tr>
<tr>
<td>Catalogs</td>
<td>27</td>
</tr>
<tr>
<td>Audio-visual Materials</td>
<td>2,069</td>
</tr>
<tr>
<td>Records</td>
<td>1,377</td>
</tr>
<tr>
<td>Miscellaneous Items</td>
<td>2,109</td>
</tr>
</tbody>
</table>

Total number of items: 50,336
Total number of donors: 1,178
B. Significant plans and recommendations for the near future

There are a modest number of plans for the new fiscal year, and some of them will be seen through to completion. Probably the major activity that will affect the work of the entire department is the continued investigation of a new automated acquisitions system. Work on the specifications for a new system were begun in the 1979/80 fiscal year, but they are merely groundwork for the coming year. The department's commitment to an on-line system is stronger than before. The plans for such a system will continue to be a top priority for the next year.

The cleaning of the vendor file has to be accomplished during the next fiscal year. In addition, the maintaining of the microfiche files that we receive each week and month will be continued so that it will be a better file for all those who use it.

The procedure manuals for Searching and Ordering must also be done in the next year. It is imperative that we have good procedure manuals so that we will be able to translate our current knowledge of automated systems to a new one when the time comes.

Two other jobs for the new year are the completion of the reconciliation of the CSO file and the transfer of active titles to the Serials Department and the continuation by the Assistant Librarian of the establishment of a good out-of-print dealer file.

Last but not least, because of the demise of the New Mexico Approval Plan, the establishing of good relations with local bookstores and publishers will have to be continued. This problem was attacked during the last fiscal year, but more needs to be done in this area of acquisitions.

C. Appointments to Staff

Carol Renfro  LTA II, Permanent, Full-time  July 2, 1979
reclassified to LTA III  January 1, 1980
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patricia Jennings</td>
<td>Assistant Serials Acquisitions Librarian</td>
<td>July 16, 1979</td>
</tr>
<tr>
<td>Michele Palmer</td>
<td>LTA I, Permanent Part-time</td>
<td>August 20, 1979</td>
</tr>
<tr>
<td>Marcella Thomas</td>
<td>CS IV, Permanent Full-time</td>
<td>August 27, 1979</td>
</tr>
<tr>
<td>Patricia Barraza</td>
<td>CS II, Permanent Part-time</td>
<td>September 11, 1979</td>
</tr>
<tr>
<td>Linda Durden</td>
<td>LTA III, Permanent Full-time</td>
<td>February 4, 1980</td>
</tr>
<tr>
<td>Dolores Moreno</td>
<td>CS II, Permanent Full-time</td>
<td>February 6, 1980</td>
</tr>
<tr>
<td>Grant Doxtator</td>
<td>Driver V, Permanent Part-time</td>
<td>March 3, 1980</td>
</tr>
<tr>
<td>Connie Thorson</td>
<td>Head of Acquisitions, Permanent</td>
<td>April 14, 1980</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eva Sanchez</td>
<td>CS IV, Permanent Full-time</td>
<td>August 16, 1979</td>
</tr>
<tr>
<td>Marcella Thomas</td>
<td>CS II, Permanent Part-time</td>
<td>August 24, 1979</td>
</tr>
<tr>
<td>Janet Johnson</td>
<td>LTA III, Permanent Full-time</td>
<td>January 18, 1980</td>
</tr>
<tr>
<td>Patricia Barraza</td>
<td>CS II, Permanent Part-time</td>
<td>January 19, 1980</td>
</tr>
<tr>
<td>Richard Martinez</td>
<td>Driver V, Permanent Part-time</td>
<td>February 15, 1980</td>
</tr>
<tr>
<td>Mechele Palmer</td>
<td>LTA I, Permanent Part-time</td>
<td>June 30, 1980</td>
</tr>
</tbody>
</table>
### ACQUISITIONS DEPARTMENT

#### Statistics

July 1, 1979 - June 30, 1980

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>TOTAL ORDERED</th>
<th>TOTAL RECEIVED</th>
<th>OPEN ORDERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHB</td>
<td>945</td>
<td>641</td>
<td>304</td>
</tr>
<tr>
<td>BLW</td>
<td>1,026</td>
<td>1,026</td>
<td>0</td>
</tr>
<tr>
<td>BNA</td>
<td>5,721</td>
<td>5,724</td>
<td>0</td>
</tr>
<tr>
<td>BSK</td>
<td>50</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>CTG</td>
<td>4</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>EDU</td>
<td>821</td>
<td>820</td>
<td>223</td>
</tr>
<tr>
<td>ETH</td>
<td>512</td>
<td>423</td>
<td>161</td>
</tr>
<tr>
<td>FAL</td>
<td>802</td>
<td>754</td>
<td>247</td>
</tr>
<tr>
<td>FAP</td>
<td>1,102</td>
<td>1,102</td>
<td>0</td>
</tr>
<tr>
<td>FED</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>FRN</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>GEN</td>
<td>86</td>
<td>89</td>
<td>41</td>
</tr>
<tr>
<td>GOV</td>
<td>73</td>
<td>70</td>
<td>9</td>
</tr>
<tr>
<td>HUM</td>
<td>2,044</td>
<td>1,595</td>
<td>719</td>
</tr>
<tr>
<td>JPN</td>
<td>319</td>
<td>294</td>
<td>25</td>
</tr>
<tr>
<td>LAT</td>
<td>1,004</td>
<td>738</td>
<td>320</td>
</tr>
<tr>
<td>LBO</td>
<td>4,733</td>
<td>4,733</td>
<td>1</td>
</tr>
<tr>
<td>MAP</td>
<td>232</td>
<td>184</td>
<td>72</td>
</tr>
<tr>
<td>MEM</td>
<td>58</td>
<td>59</td>
<td>2</td>
</tr>
<tr>
<td>MSC</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NMA</td>
<td>97</td>
<td>75</td>
<td>23</td>
</tr>
<tr>
<td>PML</td>
<td>795</td>
<td>611</td>
<td>296</td>
</tr>
<tr>
<td>REF</td>
<td>231</td>
<td>206</td>
<td>91</td>
</tr>
<tr>
<td>SCI</td>
<td>791</td>
<td>705</td>
<td>189</td>
</tr>
<tr>
<td>SOC</td>
<td>1,663</td>
<td>1,443</td>
<td>478</td>
</tr>
<tr>
<td>SPC</td>
<td>536</td>
<td>468</td>
<td>96</td>
</tr>
<tr>
<td>STO</td>
<td>3,184</td>
<td>2,726</td>
<td>1,844</td>
</tr>
<tr>
<td>SUB</td>
<td>4,540</td>
<td>4,450</td>
<td>501</td>
</tr>
<tr>
<td>SVC</td>
<td>54</td>
<td>55</td>
<td>16</td>
</tr>
<tr>
<td>TIR</td>
<td>1,232</td>
<td>1,145</td>
<td>153</td>
</tr>
<tr>
<td>YYY</td>
<td>2,567</td>
<td>2,567</td>
<td>0</td>
</tr>
</tbody>
</table>

**TOTALS** 35,222 32,758 5,821
II. Composite of individual biographical supplements

1. Advanced study
   None

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.
   None

3. New scholastic honors, fellowships, etc.
   None

4. Publications
   Connie Thorson - accepted for publication—"A Scheme for the Temporary Classification of materials on Foreign Law," co-author with Dennis Reynolds. LRTS, due Spring of 1980.

5. Research/creative works in progress
   - Essay untitled as yet, on four novels by Lars Lawrence (the pseudonym of Philip Stevenson) which deal with the riots after the labor strikes in Gallup, New Mexico in the early 1930's.
   To be included in a book on New Mexico Labor History by Robert Kern, Professor of History at UNM. To be published by UNM Press in 1981. Co-author with James L. Thorson.
   - Survey on faculty status in the Rocky Mountain Region with Russ Davidson and Margo Trumpeter. Supported by a UNM Research Allocations Grant.
6. Activities in learned and professional societies


- "Insult, Invective, and the Fine Stroke: How Edinburgh Fared." Accepted for presentation at the annual conference of the South Central Society for Eighteenth-Century Studies to be held in Albuquerque, New Mexico in March of 1980.

- Attended the Rocky Mountain Modern Language Association annual conference in Albuquerque, New Mexico in October, 1979.


- Attended the American Library Association annual meeting in Dallas, Texas in June of 1979.


7. Other professional activities

None

8. Non-teaching University service

Connie Thorson - Library representative to the Senate Graduate Committee.

- Member of Faculty/Staff Benefits and Welfare Committee.

- Member, UNM General Library Sabbatical Leave Review Committee.

- Chairperson, Parish Librarian Search Committee.

Pat Jennings - Member, UNM General Library Future of Bibliographic Records Committee.

- Member, UNM General Library Science Reference Search Committee, September 1979.
9. Public Service

Connie Thorson - Friends of the UNM General Library

- Friends of the Bodleian Library
THE REPORT OF THE CIRCULATION DEPARTMENT
JULY 1, 1979 - JUNE 30, 1980
STEPHEN ROLLINS, DEPARTMENT HEAD

The annual statistics for the Circulation section show a 20% decrease in the number of items charged out and a 9.6% decrease in the number of items discharged. The Circulation section was involved in the following activities:

1. The Circulation section participated in numerous shifting and moving projects.
   a. Installing shelving at Tireman
   b. Shifting the material formerly housed in TL 5-8 into TL 6-8.
   c. Transferring titles in the HE classification from Parish to Zimmerman.
   d. Remodelling the Reference Index Area and the main Reference Collection.
   e. Consolidating part of the Dewey periodical collection to accommodate the Evans and the UN microprint collections.

2. The Circulation section provided statistical data for the following studies.
   a. Survey of high usage classifications.
   b. Comparison of circulation growth and collection growth.
   c. Circulation figures for non-UNM patrons.
   d. Profile of UNM ILL activity in the Southwest.
   e. Circulation figures for non-UNM patrons.
   f. Survey for the Bibliographic Center for Research in Colorado to gauge the accuracy of their union catalog.

3. A new policy for organizational memberships was implemented. Eight companies participated in this program, paying the Friends organization $220.00 in fees.

4. The time consuming process of producing a Request for Proposal for an on-line circulation and inventory system was completed. The final version of the RFP was distributed to various vendors during the month of May. On June 30, UNM received bids on the RFP from CLSI, Dataphase, IBM and the Ohio State Users Group. (LCS).

5. During December, the Executive Council approved a reorganization of the Circulation Department. With William Zahner's promotion to the position of Circulation Supervisor and with the appointment of a Circulation Librarian, it was possible to distribute the responsibilities of the LTA III position vacated by William Zahner. The money formerly designated for the LTA III position was used to fund a full-time CS IV and to expand the department's part-time CS III into a full-time CS III.

   The reorganization resulted in better use of staffing, more flexibility in job assignments, and an actual increase in the number of staff hours assigned to the Circulation Department. In particular, the lending section of ILL benefited from this reorganization, since 20 hours per week of the expanded CS III position was introduced into the operation. The CS III position should not only increase the effectiveness of an operation formerly maintained by student assistants but this position will confront the anticipated increase in lending requests which will result from the Library's OCLC retrospective conversion program and from the future installations of additional OCLC terminals in New Mexico.
The expanded CS III position has not only been scheduled in ILL's lending section but assists in the processing of reserve materials. The CS IV not only maintains reserve processing but may assist in the areas of payroll, billing, and carrel assignments. The remaining LTA III position in the department will be freed of some clerical routines eventually and will be reassigned more appropriate responsibilities in verifying reserve requests. The reorganization has brought more flexibility to the operations which has increased the department's ability to react to the seasonal work flow of the reserves, circulation and ILL sections.

6. The Circulation section became part of the collection development process by routing to the appropriate selector the bibliographic information of any title which has two or more pending requests for patrons. This information will assist the selectors in considering the purchase of added copies.

7. At the request of Kraus Reprint Co., the Circulation Department shipped the New Mexico Anthropologist to Millwood, N.Y. for microfilming. According to an existing policy, the Library will receive various fees and a credit memorandum from Kraus in return for the use of these volumes.

8. The Circulation section created individual floor plans of the lower level, the second and the third floors. These maps are available at various service points within the Library and will assist patrons in locating specific classifications.

9. All job descriptions for the staff positions in the department and the Special Borrowers's Manual were revised.

10. The Circulation section established a document retrieval program for the Navajo WIC Program. Requests for photocopies for certain journal articles were submitted by Brenda Norrell who is coordinating a nutrition education program. The requested articles were located in both Zimmerman and the Medical Library. The WIC Program will be billed by the Copy Media Center.

11. In order to provide additional backup for the Copy Media Center during the evening and weekend hours of operation, three members of the Circulation Department participated in a training session conducted by Jerry Teale.

12. On May 8th, several members of the Circulation Department received instruction of the operation of the STAR (TRAC) terminal which was installed in the department on April 30th. The terminal provides access to the cashier's accounts receivable data base. While the terminal provides a search only mode by an individual's university identification number, the department will utilize the system for certain limited functions. The STAR system is useful in displaying current address information and in some cases current outstanding balances or payments for library bills.

13. The circulation section continued its program of providing photocopies of articles requested by the Department of Fishery and Wildlife Science which is part of the College of Agriculture and Home Economics at NMSU. This document retrieval program abides by the copyright provisions and to date had supplied 90 articles to the research project on Wildlife Habitat Assessment. (project no. 1-5-28320)
14. At the request of the French Summer School and the German Summer School, the circulation section assisted in transferring several hundred volumes to Taos. The material has been assigned to these programs on a temporary basis and will be returned before the end of the summer session.

15. Most staff members of the Circulation Department received training on the techniques of searching for bibliographic records on OCLC. This training will be useful for the circulation staff in locating newly acquired titles now that Bib.Control is releasing books to the stacks prior to the arrival of OCLC catalog cards.

16. The following visitors came to the Circulation Department:

a. George Dolphin and Thad Werner (Sandia)
b. Rey Eloise Smith (Colegio Universitario del Curabo, Puerto Rico)
c. The Faculty Library Committee
d. Tom Adamson and Georgeann Miller (Gallup)
e. Palma de Garibay (Universidad Autonoma de Guadalajara)
### Annual Circulation Department Statistics

<table>
<thead>
<tr>
<th></th>
<th>1979-1980</th>
<th>(%)</th>
<th>1978-1979</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Circulation</strong></td>
<td>254,264</td>
<td>-26.8%</td>
<td>347,547</td>
</tr>
<tr>
<td><strong>Books</strong></td>
<td>183,834</td>
<td>-21.0%</td>
<td>232,984</td>
</tr>
<tr>
<td><strong>Student</strong></td>
<td>152,517</td>
<td>-23.9%</td>
<td>200,422</td>
</tr>
<tr>
<td><strong>Faculty</strong></td>
<td>12,641</td>
<td>-10.7%</td>
<td>14,168</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td>18,676</td>
<td>+1.53%</td>
<td>18,394</td>
</tr>
<tr>
<td><strong>Serials</strong></td>
<td>13,128</td>
<td>-11.7%</td>
<td>14,868</td>
</tr>
<tr>
<td><strong>Government Documents</strong></td>
<td>5,205</td>
<td>+2.70%</td>
<td>5,068</td>
</tr>
<tr>
<td><strong>Total Charges</strong></td>
<td>202,167</td>
<td>-20.0%</td>
<td>252,920</td>
</tr>
<tr>
<td><strong>Discharges</strong></td>
<td>215,501</td>
<td>-9.60%</td>
<td>238,396</td>
</tr>
<tr>
<td><strong>Renewals</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Reserve</strong></td>
<td>47,853</td>
<td>-47.0%</td>
<td>90,372</td>
</tr>
<tr>
<td><strong>Interlibrary Loan</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Borrowed</strong></td>
<td>3,949</td>
<td>+15.2%</td>
<td>3,427</td>
</tr>
<tr>
<td><strong>Lent</strong></td>
<td>4,244</td>
<td>+5.91%</td>
<td>4,007</td>
</tr>
<tr>
<td><strong>Gate Count</strong></td>
<td>1,099,867</td>
<td></td>
<td>970,066</td>
</tr>
</tbody>
</table>

*From Sept. '78 only*
INTERLIBRARY LOAN SECTION

During 79/80, ILL experienced an annual increase of 5.91% for completed lending requests, and an annual increase of 15.1% for completed borrowing requests. Besides this increase in completed transactions, ILL was active in establishing the following procedures and policies.

1. In September, 1979, the Library's Texas Instruments terminals were used for the first time to communicate with the Center for Research Libraries. Requests for materials were transmitted via the TYMSHARE network to CRL. A detailed report evaluating this program and UNM's membership with CRL was distributed in April. An updated report will be distributed in July.

2. New procedures were formulated concerning ILL borrowing requests which are discovered to be for titles belonging to the General Library. These requests are no longer returned to the patron but are routed to the Circulation section. If the item is found within the collections of the General Library, the patron is notified that the item is held at the appropriate circulation desk. If the item is not located within five days, an ILL request is authorized and a circulation search is initiated.

3. As part of the General Library's new policy for organizational memberships, ILL service was made available to non-UNM patrons. Any individual who is not directly affiliated with UNM may submit a request to ILL at the cost of $8.00 per completed request. If in the process of completing the request, UNM is charged for handling or for photocopying charges, ILL will bill the requestor for the additional charges.

4. ILL became part of the collection development process. Photocopies of borrowing requests are routed to the appropriate selectors if the title is listed in BIP or if the request had resulted from a computer search.

5. The General Library and CDS Laboratories of Colorado signed a contract which agreed that ILL would supply photocopies of journal articles to CDS. The requests from CDS are for titles belonging to the General Library and comply with the copyright guidelines. The cost is $6.00 per completed request plus 10¢ per page. Since March, 1980, ILL has supplied 28 articles to CDS.

6. On April 30, 1980, the General Library joined the CARLA group which consists of the 12 major academic libraries in AMIGOS. The CARLA group initiated a reciprocal "no-charge" policy among its membership for ILL services. ILL will maintain statistics for this program which will be reported quarterly.

7. OCLC has installed various enhancements to the OCLC/ILL subsystem during 79/80. The significant changes among these enhancements are:
   a. New status categories.
   b. Access to an ILL request by patron's name.
   c. Display of the holding libraries by state postal code, within the region or within the state.
   d. New commands which simplify the routine of updating ILL records are now available: SD for shipped, R for item received, RD for item returned, and "NEW" for recreating unfilled requests. The "NEW" command of recreating a request will raise the cost of OCLC/ILL since the requesting library will have to pay an additional fee for this new request. Previously ILL could submit a new lender string at no cost for "unfilled" requests.
a. A reorganization of the ILL message waiting file which separates those messages which need "immediate attention." This new display facilitates the updating process and reduces the changes of losing records.

8. Since the General Library has agreed to the new AMIGOS ILL Code, the following policies and procedures will be effective, July 1, 1980.
   a. On all requests the commercial at sign (@) will be inserted into the borrow notes field or the lending notes field as appropriate to signify agreement with the new code.
   b. There is no requirement of checking BIP for borrowing within AMIGOS. However, since the existing national code still requires this practice, BIP will be checked until the national code is revised. When or if the national code is revised, ILL will establish a new system of alerting selectors of borrowing requests.
   c. UNM will not charge libraries or will not be charged by those libraries which have signed the new AMIGOS ILL Code. Agreement with the code will be indicated by a "commercial at sign" (@) on their requests to UNM. UNM will not charge for handling, postage, insurance, and for up to 50 pages of photocopy. A list of those libraries who have signed the agreement will be sent to Copy Media once such a list is available. ILL will write on the appropriate photocopy requests, "DO NOT CHARGE" to inform Copy Media that the request is from an AMIGOS library which abides by the code.
   d. UNM will abide by the national ILL code where the AMIGOS code is silent. (ie. AMIGOS code does not specify duration of loans or renewal policy).
   e. While the decision to loan materials is at the discretion of the lending library, AMIGOS members are encouraged to interpret as generously as possible their own lending policies.

9. After the Circulation Librarian participated in a DIALOG training session, DIALOG became accessible to the ILL section. While the utilization of DIALOG is limited by the scope of the system's data bases and by the relative high costs involved in searching on-line, DIALOG can be useful in expanding the capability of ILL. As a last resort, DIALOG can be used to verify ILL requests which can not be located in standard bibliographic tools. The ability to search by the key words of an article title adds a new dimension to the verification process. Besides assisting in the verification of ILL requests, DIALOG's DIALORDER service provides an additional method of requesting both data base and non-data base items. More than 20 vendors presently are available via DIALORDER. While an evaluation of DIALORDER can not be made at this time, this service has been successful in providing copies of documents which were not available from the usual ILL sources.
10. In June, the General Library signed a contract with Sandia Laboratories which expanded its previous service agreement with Sandia. Not only would ILL continue to provide Sandia with materials from the General Library's collections, but ILL would attempt to locate and supply any item requested by Sandia. During June, ILL supplied 314 items to Sandia. While 180 items were retrieved from the General Library's collections, 134 items were received for Sandia from other locations. (112 from OCLC or CRL; 22 from other sources). During the first four weeks of this program only seven requests were returned to Sandia unfilled. The contract with Sandia supports a 3/4 time LTA II position which is dedicated to the task of fulfilling Sandia's requests.

11. The annual statistics of ILL activity not only indicate an increase in completed transactions but also reflect the following increases:

a. Borrowing requests received increased by 9.5%.
b. Lending requests received increased by .7%.
c. The success rate of completing requests increased. The completion rate for borrowing requests was 79.3%, an increase of 3.9% over 78/79. The completion rate for lending requests was 54.7%, a 2.6% increase from 78/79.
d. Including all borrowing and lending transactions, ILL experienced a total increase in volume of 10.4%.
e. The number of borrowing transactions with New Mexico libraries increased by 252%. This dramatic increase reflects the use of OCLC which provides better access to the state's resources.
TO: Alice Clark and Stephen Rollins
FROM: Dorothy Wonsmos, Interlibrary Loan Librarian

BORROWING:

<table>
<thead>
<tr>
<th></th>
<th>1979-80</th>
<th>1978-79</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requests from patrons</td>
<td>4,975</td>
<td>4,542</td>
</tr>
<tr>
<td>Transactions completed</td>
<td>3,949</td>
<td>3,427</td>
</tr>
<tr>
<td>Number of requests returned</td>
<td>1,419</td>
<td>1,115</td>
</tr>
<tr>
<td>Total borrowing transactions</td>
<td>5,368</td>
<td>4,542</td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of photocopies</td>
<td>1,380</td>
<td>955</td>
</tr>
<tr>
<td>Consortium Libraries transactions</td>
<td>752</td>
<td>789</td>
</tr>
<tr>
<td>Other New Mexico Libraries transactions</td>
<td>220</td>
<td>87</td>
</tr>
<tr>
<td>Items from CRL 306/189 and CRL-JAS</td>
<td>31</td>
<td>74</td>
</tr>
</tbody>
</table>

Total requests sent:

1. By TMX (Total)  
   - Regular requests 1,291 4,118
   - Status report inquiries 246 270-from 10/78
   - Special Messages sent 45 46-from 10/78
2. ALA Forms typed 748 547
3. OCLC requests 2,540 492-from 3/79
4. Tymshare requests from 10/79 190 none

TOTAL TRANSACTIONS FOR 12,853 11,633
TOTAL TRANSACTIONS COMPLETED FOR 8,193 7,434

DATE: 1979-80 | 1978-79

LENDING:

<table>
<thead>
<tr>
<th></th>
<th>1979-80</th>
<th>1978-79</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requests received from other libraries 7,750 7,689</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transactions completed 4,244 4,007</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfilled requests 3,241 3,084</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total lending transactions 7,485 7,091</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of photocopies</td>
<td>1,316</td>
<td>1,275</td>
</tr>
<tr>
<td>Consortium Libraries transactions</td>
<td>1,095</td>
<td>1,093</td>
</tr>
<tr>
<td>Other New Mexico Libraries transactions</td>
<td>634</td>
<td>843</td>
</tr>
<tr>
<td>CBS Lab. Durango, CO-requests filled-from 390 28 none</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total requests received:

1. By TMX 2,264 4,035
2. From ALA Forms 2,705 2,829
3. From OCLC 2,781 345-from 4/79

Sandia Laboratory Statistics (not included in totals) from:

<table>
<thead>
<tr>
<th></th>
<th>1979-80</th>
<th>1978-78</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books lent 322 289-9/78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Photocopies 1,155 908-9/78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfilled Requests 348 421-9/78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCLC or NUC searches for locations 17 10-3/79</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone requests (red flags) 140 25-3/79</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sandia Requests Received From Locations Other Than URM

OCLC - 111 TMX - 0 ALA Forms - 1 OTHER - 22 (6/80-6/81)
RESERVES SECTION

During the last year the Reserves section continued to provide service to the university community, utilizing the inforex off-line system. Planning for a new on-line reserve operation was included in the Library's RFP for an on-line circulation and inventory system. While the use of the Reserve collection decreased by 47%, the Reserve section participated in the following new programs;

1. Approximately 300 volumes for the Latin American Programs in Education were retrieved from the College of Education and incorporated into the Reserve collection at Zimmerman.

2. The Reserve section provided a temporary review area at the request of the Law Library. Various titles retrieved from the collection were reviewed by Prof. Luis Stelzner's assistants for Prof. Stelzner's work on Mexican immigration.

3. To increase the availability of certain high use (and supposedly high theft) periodical titles, 22 serials were transferred from the display area to the Reserve section. These issues will be charged out to any library patron after acceptable identification is presented at the desk. The Reserve section will maintain statistics on the use of these titles. At the present time, eight of the serial titles are duplicated in the display area. Notices are posted informing library patrons that an additional copy is available at the Reserve Desk.

4. Since UNM hosted the Summer Institute of the Linguistic Society of America, the Reserve section was responsible for the retrieval and the organization of a collection of approximately 700 volumes which was made available to those individuals attending the Institute.

5. The Reserve section assumed the responsibility of maintaining a special periodical collection for UNM's Linguistics Department. The current issues of the TESOL Quarterly, Language Learning, Foreign Language Annals, and the International Review of Applied Linguistics are now shelved at the Reserve Desks.
PERSONNEL CHANGES IN THE CIRCULATION DEPARTMENT
FOR THE 1979-80 FISCAL YEAR

1) 7/15/79 - Stephen J. Rollins hired as Circulation Librarian
2) 7/23/79 - Anna Brady hired as CS III in Interlibrary Loan Section
3) 10/6/79 - Edward Padilla resigns as LS I in Circulation
4) 10/12/79 - Kevin J. Kargacin resigns as CS II in Reserve Section
5) 10/22/80 - Priscilla Armijo resigns as CS I in Circulation Section and takes CS II position in Reserve Section
6) 11/12/79 - Erlinda Castillo hired as CS I in Circulation Section
7) 11/19/79 - William Zahner resigns LTA III position in Reserve Section and takes LS I position in Circulation
8) 1/2/80 - Leslie Merker resigns CS III (1/2 time) in Reserve Section and takes CS IV position in Reserve Section
9) 1/14/80 - Imelda Martinez hired as CS III (1/2 time in Reserve Section and 1/2 time in Interlibrary Loan Section)
10) 6/2/80 - Imelda Martinez resigns as CS III and hired as LTA II (3/4 time) in Interlibrary Loan Section
To: Bill Zahner

From: Mary Ann Lopez

Subject: Student Payroll Report - 1979-80

Below is a brief report on the 1979/80 Circulation student payroll:

STUDENT ASSISTANTS (Payroll 60)

Total student assistant hours used during 1979/80: 7145.5

WORKSTUDY (Payroll 40)

Total Workstudy hours used during 1979/80: 34,847.5
Workstudy hours accumulated: 18,117

There was not one pay period during the 1979/80 fiscal year that we used all our appropriated hours.

mal

xc: Rollins
SIGNIFICANT PLANS AND RECOMMENDATIONS FOR 30/81

1. Evaluate the bids received by the University for an on-line circulation and inventory system. Recommend acquisition of a particular system and have the system operational by June, 1981.

2. Expand the present document delivery service to include more clientele and establish an on-campus delivery system.

3. Centralize the overdue and billing operations.

4. Produce a computer catalog for A-V materials now housed in Zimmerman.

5. Acquire a Kurzweil Reading Machine.

6. Evaluate DIALOG's DIALORDER service.

7. Update the evaluation of UNM's membership with CRL.

8. Prepare for the five-year Copyright review which is scheduled for 1981.

9. Establish a policy which will suspend borrowing privileges to delinquent patrons.

10. Study the future shelving needs of the General Library.

11. Improve the ILL environment by establishing more mutually beneficial programs with other libraries or networks.

12. Set up a typing room for patrons in Zimmerman.

13. Study the possibilities of extending Library hours.

14. Add another full-time position to ILL.

15. Explore the possibility of gaining access to RLIN's data base.

16. Encourage and plan for further expansion of the state network.

17. Explore the possibility of dial-up access to OCLC data base.

18. Establish a procedure of utilizing collection usage statistics in the collection development process.
COMPOSITE OF INFORMATION REQUESTED ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

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

   Stephen Rollins
   a. As part of the University's inspection team, travelled to Tacoma Public Library and to the University of Nebraska to evaluate their Dataphase circulation system.
   b. Attended ALA Midwinter in Chicago.

2. Publications

   Stephen Rollins

3. Other Research Projects

   Stephen Rollins
   a. Co-recipient of RAC grant for the production of a computer index of Wheat's Mapping the Transmississippi West.

4. Activities in Professional Societies.

   Stephen Rollins
   a. Appointment as New Mexico Liaison to the Ad Hoc Copyright Subcommittee, ALA Legislation Committee.
   b. Member of GALA's Ad Hoc Committee on Constitution and By-Laws.
   c. Member of SWLA
   d. Member of NMLA
   e. Chairperson of the Tours and Transportation Subcommittee of NMLA Local Arrangements Committee.

   Dorothy Wonsmos
   a. Member of NMLA
   b. Member of GALA

5. Other Professional Activities

   Stephen Rollins
   a. Participated in DIALOG training session.
   b. Attended demonstration of Kurzweil Reading Machine.

   Dorothy Wonsmos
   a. Received 20-year service award pin.

Stephen Rollins
  a. Appointment to the Future of Bibliographic Records Committee
  c. Chairperson of Intern Search Committee
  d. Search committee for Parish Librarian.
  e. Search committee for Acquisition Librarian
  f. Library's representative for the University's committee on ID cards.
  g. Co-author of the Library's Request for Proposal for an on-line circulation and inventory system.

Dorothy Wonsmos
  a. Zimmerman Library Professional Enrichment Committee.
I wish to thank all members of the Circulation Department for their interest and commitment and for assisting me in my first year at UNM.

THANK YOU

Stephen Rollins
I. General Departmental Information

A. Significant achievements during the academic year

Collection Development

It was a very busy year for the collection development area in the Fine Arts. High priority was placed on several projects, such as the Serials Reconciliation Project, monitoring approval plans, and retrospective purchases. Retrospective work was strong in the fields of music education, dance, and Spanish colonial art history. Nancy Pistorius worked with the art history students in Spanish colonial in acquiring funds from the Latin American Institute for library purchases and in determining a priority list of material needed for the collection. Due to limited funds, the music and art approval plans were cut. This was accomplished through contact with the teaching faculty and representatives from the approval agencies. Several outstanding acquisitions were ordered and received. They include:

1. American Architectural Books (microfilm)
2. British Journal of Photography (microfilm)
3. Index to American Design
5. Studies in Musicology

Several noteworthy gifts were acquired during the year. They were:

1. Bainbridge Bunting gift of Architectural material
2. Van Deren Coke gift of photographic material
3. Bernice Frost Archive of piano pedagogy
Technical Services

Most of the technical service projects should also be considered as part of the public service function because the result of the projects greatly improved the accessibility of material to the public. Major projects during the year include:

1. Classification and making accessible the Gagant Music Collection.

2. Inventory of collection (step one - comparing shelflist to books on shelf - was completed. Corrections to the shelflist and books were made. Step two - searching - was started and will be completed in the future).

3. The thesis and dissertation collection of the Fine Arts Library was transferred to Zimmerman. Third copies and needed works will be classed in regular FAL classifications (M,N,TR) for the FAL collection.

4. All 700's that were found missing when they were reclassed to Library of Congress classification were withdrawn. Some 700 classification periodicals were reclassed but the project was not completed.

5. Art exhibition catalog classification project continued to progress at a steady pace.

Public Service

This was a year of high priority for collection development and technical services, thus public service projects were minimal. This will be corrected in the year to come.

Formal orientations were given to twelve groups totaling 360 people. Several art studio classes were given orientations. This was good since studio classes are not known for their use of library material. This
indicated a need for the use of library material and services.

The staff was pleased with the positive results of the Public Service evaluation questionnaire. The results showed that the FAL clientele was appreciative and satisfied with the service furnished to them. Nancy Pistorius and Jim Wright prepared an exhibit (books, slides, artifacts, recorded music) on music and art of the Southwest for UNM's first Media Day. The exhibit was well received.

John Donald Robb Archive of Southwestern Music

Probably the most significant achievements since the beginning of the Archive occurred this year. First, Jim Wright presented an overview of the Archive and its work to the UNM Board of Regents on October 18. Second, on May 9, the Archive was named in honor of John Donald Robb at a program held in Keller Hall. Speaker for the evening was Dr. Alan Jabbour, Director of the National Folklife Center in Washington, D.C. Third, an endowment fund was established through the University of New Mexico Foundation, Inc. Fourth, a position paper (see Appendix I) was written and approved concerning the future work of the Archive. Several fine additions were made to the Archive. They include:

1. Rowena Rivera-Edwin Berry singing the songs from Juan B. Railliere's book Cánticos Espirituales (30 hours).
2. Peter White - New Mexico Fiddlers (40 hours).
3. Charlemaud Curtis - Albuquerque Black Church Music (3 hours).

The final project undertaken during the year was work on developing a program for creating a computerized index for the Archive by volunteer, Karl von Huene. This has been an excellent year for growth of the Archive and it is hoped that it will continue to flourish.

General

The professional activity of Nancy Pistorius with professional organizations has been excellent. She attended the Art Libraries Society
of North America (ARLIS/NA) seventh annual conference in Toronto. As a result of this meeting, she was nominated to be the West Coast representative to the Executive Board of the Society. She was also appointed program coordinator for the Visual Resources Group for the eighth annual conference at New Orleans. She planned four sessions and was a panel member and moderator for two sessions. Jim Wright continued work on the White Cone Project (see Appendix II) and received two grants to continue the work. The grants were from the UNM Research Allocations Committee ($986.00) and from the National Endowment for the Humanities (Special Projects Division) ($50,153.00). The NEH project is titled "Documentation of the Navajo and Hopi Indian Relocation Dispute". He also was elected to be Chairperson of the Mountain Plains Regional Chapter of the Music Library Association.

B. Significant plans and recommendations for the near future

The following goals have been established for the work of the Fine Arts Library during the year 1980/81:

1. To complete all phases of the inventory
2. To complete the art exhibition catalog classification project
3. To prepare a written guide for the use of the Fine Arts Library
4. To work with the art and music departments in establishing library orientation as an integral part of a lower division course in each department
5. To implement a plan for computerization of the Archive index
6. To fulfill the work of the NEH grant
7. To make contact with the New Mexico Art community in order to develop a system for documentation of New Mexico artists
8. To work with the circulation department and the proposed computerized circulation system
9. To continue work on the John Donald Robb Archive of Southwestern Music as outlined in the Archive's position paper

10. To work with the College of Fine Arts Library Committee more effectively regarding collection development

C. Appointments to Staff
   None

D. Separations from Staff
   None

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced study
   None

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.
   None

3. New scholastic honors, fellowships, etc.
   None

4. Publications
   James Wright - Association for Recorded Sound Collections BULLETIN No. 12 (1979), editor. Executive Secretary Report p. 3-4.

5. Research/creative works in progress
   James Wright - Grants received
      a. Research Allocations Committee - UNM - $4,648.00 - "Preservation of the musical culture of the Southwest with special emphasis on the ceremonies of the Navajo at White Cone, Arizona, 3/79 - 6/79."

c. National Endowment for the Humanities (Special Projects Division) $50,153.10, 7/80 - 6/81. "A Documentation of the Navajo and Hopi Indian Relocation Dispute."

d. Greater UNM Fund - $1,500.00 - "Translation of the Southwestern music collection."

- Proposals written - Collision of Cultures: A Documentation of the Navajo and Hopi Indian Relocation Dispute - submitted to Akbar Foundation and Rockefeller Brothers Fund - Neither funded


- "Reflections of a Recent Immigrant: Studies of New Mexico Landscape" - Mixed Media.

6. Activities in learned and professional societies

James Wright - Music Library Association - Mountain Plains Chapter (Regional) 2nd Annual Conference, May 1979, Albuquerque, Conference, Coordinator and Host. - Vice Chair/Chair Elect.

- New Mexico Library Association - Education Committee

- Association for Recorded Sound Collections - National Executive Secretary, National Board of Director's.


- Mid-America College Art Association (MACAA), Tempe, Arizona.

Four sessions. Participant in two sessions. Moderator - "Management of Visual Resource Collections; A supervisory approach."

- College Art Association (CAA) Annual meeting, New Orleans.

7. Other professional activities

- Lecture - "Music in New Mexico" - History of New Mexico Class at Santa Fe Graduate Center.
- Workshop Leader - "Preservation of Folk Material" - Indian Library Cultural Centers Project.
- Recital - Member of Chorus for Vocal Conducting Masters Degree Candidate
- Program - Coordinator and Master of Ceremonies - "John Donald Robb Archive of Southwestern Music, Naming Ceremony, May 9, 1980, Keller Hall.
- Talk - "The White Cone Project" - for General Libraries Staff
- Western States Materials Conservation Project
  - State Planning Session - Santa Fe
  - Regional Conference - Salt Lake City

Nancy Pistorius - Consultant to the Art Library of the New Mexico Museum of Fine Arts.
- Panel - Creativity in the Visual Arts - General Libraries Staff
- Research and Publications in Library Science - General Libraries Staff
- Advisor to ARLIS/Arizona Chapter on reorganization
- Advisor to Chairman of ARLIS/NA and membership-at-large on the formation of new Special Interest Groups and Type of Library (TOL)
8. Non-teaching University service

James Wright - Masters Degree Review Committee, Department of Recreation

- Faculty Senate - Senator, General Library
- Faculty Senate - Executive Committee
- Faculty Senate - Chair, Student Affairs & Extra Curricular activities
- Report to the UNM Board of Regent's - "The Archive of Southwestern Music"
- Search Committees - General Library Faculty (3)
- College of Fine Arts Library Committee
- Disabled on Campus Awareness Day

Nancy Pistorius - General Library Exhibition Committee

- General Library Research and Publications Committee
- Search Committee - General Library Faculty (1)
- College of Fine Arts Library Committee (ex-officio)

9. Public service

James Wright - Greater Albuquerque Chamber of Commerce - Cultural Committee

- Talk - "Collecting and Preserving Folklore" - Sandia High School Folklore class

10. Personal information

None
<table>
<thead>
<tr>
<th>MONTH</th>
<th>GATE COUNT</th>
<th>CIRCULATION</th>
<th>RESERVE</th>
<th>LISTENING CENTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>5,396</td>
<td>4,380</td>
<td>257</td>
<td>342</td>
</tr>
<tr>
<td>August</td>
<td>5,716</td>
<td>3,590</td>
<td>261</td>
<td>233</td>
</tr>
<tr>
<td>September</td>
<td>14,226</td>
<td>6,786</td>
<td>1,248</td>
<td>1,495</td>
</tr>
<tr>
<td>October</td>
<td>16,480</td>
<td>9,421</td>
<td>1,662</td>
<td>1,649</td>
</tr>
<tr>
<td>November</td>
<td>14,989</td>
<td>7,987</td>
<td>1,177</td>
<td>1,304</td>
</tr>
<tr>
<td>December</td>
<td>9,994</td>
<td>5,870</td>
<td>568</td>
<td>666</td>
</tr>
<tr>
<td>January</td>
<td>7,277</td>
<td>4,832</td>
<td>299</td>
<td>693</td>
</tr>
<tr>
<td>February</td>
<td>12,620</td>
<td>7,516</td>
<td>1,034</td>
<td>1,616</td>
</tr>
<tr>
<td>March</td>
<td>12,220</td>
<td>8,252</td>
<td>975</td>
<td>1,596</td>
</tr>
<tr>
<td>April</td>
<td>15,040</td>
<td>8,834</td>
<td>1,119</td>
<td>1,989</td>
</tr>
<tr>
<td>May</td>
<td>9,402</td>
<td>7,613</td>
<td>1,396</td>
<td>1,252</td>
</tr>
<tr>
<td>June</td>
<td>4,178</td>
<td>3,533</td>
<td>130</td>
<td>158</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>127,538</strong></td>
<td><strong>78,614</strong></td>
<td><strong>10,126</strong></td>
<td><strong>12,993</strong></td>
</tr>
</tbody>
</table>
THE ARCHIVE OF SOUTHWESTERN MUSIC

A POSITION PAPER

by

Jim Wright

January 18, 1980

APPENDIX I
The Archive of Southwestern Music (ASM) was created in 1964 by Don Roberts who was Head of the Fine Arts Library at that time. From the beginning the ASM has been dedicated to the preservation of the musical culture of the Southwest. The ASM has grown to its present size of over 1200 hours of recorded material comprising more than 20,000 songs of the various cultures represented in the Southwest. Examples of Indian social and ceremonial music, Anglo cowboy songs, Spanish alabados, Mexican corridos and Black church music can all be found in the Archive of Southwestern Music. Since 1971 the collection has grown from 550 hours of recorded material to over 1200 hours. This has been accomplished by acquiring field tape collections by individual collectors and by the spare time field work of the Archive staff.

PURPOSE

The Archive has three purposes:

1. PRESERVATION OF THE CULTURE OF THE SOUTHWEST

   In a so rapidly changing society and world it is vital that the culture of all peoples be preserved, or it will be lost forever. If the Archive can help preserve the heritage of such groups, the existence of the ASM will be fulfilled.

2. DISSEMINATION OF THE CULTURE OF THE SOUTHWEST

   The Southwest—United States is a unique region with cultural aspects that cannot be found anywhere else. The culture can be defined and related to the indigenous people and to the land. Distinctive Southwest art, Southwest music, Southwest craft are not produced any other place. This uniqueness must be preserved, researched, and disseminated now, for it is all too evident that the Southwest will soon be inundated with people from all over the U.S. As this heterogeneous settling occurs, the Southwest culture will be diluted, possibly to the extent of complete amalgamation and thus cultural loss. The Archive can help prevent this loss by preserving and, most importantly, by perpetuating the culture.
through DISSEMINATION of the recorded culture to the young people, particularly those of immigrant families. A record of past performance practices makes it possible for performers of today to pass on and keep alive those old traditional playing and singing methods.

3. RESEARCH AND EDUCATIONAL USE.
It is important for research to be conducted involving comparisons of different cultures. Through this study a better understanding and appreciation of differing cultural groups can be obtained. In order for research to be useful, as many examples of a culture as possible are needed. Harmony and peace among individuals and groups can only be obtained through knowledge of each group's values and concerns. Ignorance creates fear, whereas knowledge leads to understanding.

WORK OF THE ARCHIVE

The work of the Archive proceeds as time permits. Following is a list of activities completed or in progress:

1. Charlemaud Curtis has prepared a preliminary index for the ASM, making easier the location of needed material.

2. Karl Von Huene, volunteer computer programmer, is preparing a program to enable the index to be computerized. Computer processing makes possible the publication of a C.O.M. index for nationwide distribution.

3. Steve Rhodes, Office of Public Information, is preparing a brochure descriptive of the work of the Archive.

4. The work of the White Cone Project (Navajo) is progressing and promises to bring to the ASM research material that will double the present holdings (1700 tapes of Navajo ceremonial music now housed at the Office of Navajo Economic Opportunity, Ft. Defiance, Arizona).
Jack Loeffler (ethnomusicologist from Santa Fe) is depositing 80 tapes of Mexican-American music to add to his collection of 80 tapes already indexed.

6. Rowena Rivera is working with Edwin Berry of Belen to record his complete notebook of songs. She is also preparing a grant to enable her to translate the Mendoza manuscript on the classification of New Mexico folk songs.

7. The staff of the Archive is slowly but surely making progress with the Pueblo people. The workshop held for the participants in the Pueblo Indian Library and Cultural Centers Project has had several positive results.

8. Jim Wright presented an overview of the Archive of Southwestern Music to the UNM Board of Regents. Dr. Henry Jaramillo (President of the Board of Regents) stated that the University should strongly support this program.

9. Complete grant to N.E.H. (Special Projects) for funding of White Cone Project.

10. Prepare grant for printing of brochure (New Mexico Commission for the Arts).

11. Prepare grant for computer inputting of the index to the Archive.

12. Continue plans to name the Archive in honor of John Donald Robb.

RECOMMENDATIONS FOR THE FUTURE WORK OF THE ARCHIVE

The ASM is at a point in its development when it is ready to expand, develop, and take its place among the major folk archives of the United States. With no full time staff dedication, the Archive has, from necessity, kept a low profile because no staff exists to serve constituents. The Archive can no longer hide its wealth of material from researchers. Also appropriate is broadening the scope of the collection to include oral history. Separating the collection of oral history from music and poetry is difficult because both are a part of the transmission of culture. In order to implement fully the necessary activities of the Archive of Southwestern Music, I am presenting a FOUR STEP program. Completion of the four steps will make
it possible for the Archive to become a major Folk Archive in the United States and will permit the Archive to take a major role in the preservation and dissemination of the culture of the Southwest.

STEP ONE

1. Full-time/Permanent staff assistant
2. Seek planning grant for development of long range planning. This position would include visits to major folk archives such as Library of Congress, Indiana University, and U.C.L.A. and would also include gathering noted scholars for a conference at UNM to discuss the role of an Archive in connection with their research
3. Director would apply for a six month sabbatical to develop long range program
4. Begin work on endowment fund program for ASM

STEP TWO

1. Assistant Director made half-time for Archive
2. Seek funding assistance for standardization of format and duplication of entire collection (to provide a working collection)
3. Find larger quarters to house growing collection
4. Seek music department sponsorship of course on Southwestern music

STEP THREE

1. Assistant Director made Full-time
2. Director becomes half-time to include possibility of teaching music department course on Southwestern Music
3. Incorporate oral history collections into ASM
4. Initiate educational program for New Mexico Schools

STEP FOUR

1. Director becomes full-time
2. Begin program of publishing sound recordings and multimedia kits for school use
3. Begin investigation of possible use of visual formats for inclusion in collection
4. Begin work with local groups (throughout the AHA) to build archive of their own with the ASM acting as a depository

CONCLUSION

Since I joined the Library Faculty in 1971, I have been anticipating the time when the Archive of Southwestern Music could become more than a collection of little used material. The Archive offers unlimited possibilities for programs, publication, teaching kits for the propagation of Southwest culture. This potential must be realized.

As we have continued to build the collection and work with people using the material, their enthusiasm over the Archive spurs us on. The value of the Archive becomes increasingly important when scholars travel from Los Angeles and Minnesota to do research.

The impact has not been as great for researchers in New Mexico, for most have been able to obtain their own material. As research in New Mexico matures and gains depth, the Archive will provide material that cannot be obtained anywhere else.

Of most importance to us is that the culture of the Southwest must not be lost due to neglect or apathy but will remain a rich and viable expression of the heritage of this unique Land of Enchantment. I believe the program outlined will accomplish those goals and will provide a program of which the Library and the University can be proud.
The second six months of the White Cone Project has been very productive. Nearly twenty hours of documentation has been collected, the Big Mountain Declaration of Independence being of particularly historical importance. The possibility of acquiring 1700 hours of recorded Navajo ceremonial music (now housed at the Office of Navajo Economic Opportunity) is nearing reality.

Funding has been and still is our biggest concern. During this second six months, we have prepared four grants with the assistance of Jerry Wise of the General Library staff. The University of New Mexico Research Allocations Committee awarded the project a grant of $986 to help with the field work; it is now exhausted.

The Akbar Foundation of Santa Fe was very interested but closed out its funding program the end of 1979. The Weatherhead Foundation of New York was approached, but they are no longer funding in the Southwest. The National Endowment for the Humanities (special projects division) appears very interested in the project and have been helpful in preparing a large grant for their consideration. We are working hard to acquire the necessary funds to assure continuation of the project.

While reading the following account of the activities of the project, the relevance of relocation documentation to acquisition of Navajo ceremonial music recordings may seem unclear. However, their relationship is clear because we can see progress made in mutual trust and in acceptance of our work. The importance of trust has been stated repeatedly: this single element assures successful work. The Dine normally do not accept non-Indians because they have been so often lied to and "used." We believe we are on the correct path because of the blessings and support we have received by the people of the Navajo Nation.
We visited Northern Arizona University to meet with Dr. Bob Kemper, Director NAU Libraries, and William H. Mullane, Head of Special Collections. We were given a tour of the library and Special Collections. Their southwest collection (particularly Southwest Indian) is excellent; we found much research material applicable to the project. This was a valuable research and contact trip. Dr. Kemper and Mr. Mullane were most cooperative and interested in the project.

We were invited to attend a dinner and prayer peyote meeting in honor of the Half Moon and V-Shaped Altar of the Native American Church (NAC) at Paul Whitney's near Chinle, Arizona. We collected five hours of audio-tape concerning the future of the NAC. Although we received some resistance to the taping, we were allowed to tape everything. That evening (Saturday 7 p.m. to Sunday 9 a.m.) we participated in the NAC peyote service.

We traveled to Shiprock to meet with Ken Begishe, Head of Research and Development of the Navajo Community College. He assured us support and assistance in translation and research expertise.

We traveled to New Oraibi (Hopi Tribal office) to record a meeting between Hopi Tribal officials and residents of the Navajo Big Mountain area. Hopi chairman, Abbott Sekaquaptewa, conducted the meeting. The purpose was to reconcile the difference in opinion over land use and ownership of the former joint-land use area. This was an historic meeting and paved the way for future meetings. We collected three hours of recorded material. Mr. Sekaquaptewa was very suspicious about our presence (we were the only non-Indians there), but he was finally convinced that we were not news media. The media had been barred from attending.
Navajo Chairman, Peter MacDonald, was scheduled to talk to the people of the White Cone Chapter concerning the tribe's efforts toward settlement of relocation problems. Because he was not able to attend, we met with Dale Pete of White Cone. He told us that after having watched us closely for the last several months, he and the White Cone people were ready to work with us. This was a major development, for both we and our work had passed the tests of trust, concern and integrity.

Merlene went to Window Rock to collect research material from Percy Deal, Executive Director, Navajo-Hopi Land Dispute Commission. During this meeting, Merlene arranged to have the Navajo and Hopi Land Dispute Commission hire photographer, Ron Smith of Albuquerque, to take photographs of sites in the former JUA dealing with the building freeze.

Merlene, Ron Smith and Percy Deal went to Big Mountain and other areas to photograph the problem of relocation and the effects of the building freeze. Copies of the photographs were made available to the project. As usual, the hours were long and hard, working over forty-eight hours in a three day period.

Taping equipment was sent to Big Mountain with an informant to record the preparation of the Big Mountain area Declaration of Independence, which in effect dissolves their relationship with any other government. The four hours of recorded material are of a monumental interest and of tremendous historical importance. We were able to preserve the entire meeting on audio tape.

Merlene went first to Window Rock. She recorded two hours of the history of the Joint-Land use legislation as told by Jerry Kammer, noted authority on legislation of the J.U.A. (author of the upcoming definitive book on this subject) and historian. Traveling to White Cone,
Herlene taped the two hour story of a relocatee now living in Flagstaff. She then went to Flagstaff to meet with and tape the meeting of the Navajo and Hopi Indian relocation commission of the U.S. Government. Executive Director, Leon Berger, was very supportive of our work. He offered all possible assistance and wrote us a letter of support. Because of this meeting, it will be possible to document all sides (Navajo, Hopi, U.S. Government) of this sensitive situation. She recorded four hours of the meeting and was given permission to copy all the commission tapes.

With this meeting the project now can document the relocation problems from all viewpoints. Merlene then went to Show Low, Arizona, to record the history of her father's work as a trader and his relationships with the people of the White Cone area. These tapes provide a complete background of the Navajo way of life before the relocation legislation was passed in 1974.

We went to Window Rock to meet our interpreter, Dale Pete, so we could interview people affected by the relocation. Mr. Pete was at White Cone, so we went there to meet him. Upon arrival, we found that his one day old grandson had just died. The parents are close friends of ours and were instrumental in making the project possible from the start. It was evident that no recording would take place. I came home; Merlene stayed longer to help them with funeral arrangements. This kind of trust makes our work possible.

We were invited to participate in a Native American Church service at the home of Anderson Morgan, near Fort Courage, Arizona. The NAC service contains music in the form of Peyote Songs which will be of future importance for the Archive.
The most important event of the third report period was the receipt of a National Endowment for the Humanities (Special Projects) grant. The NEH funding (total grant is $73,854.90) will begin July 1, 1980 and end June 30, 1981. We are extremely appreciative of the support given this project by the Administration of the General Libraries and the UNM Research Allocations Committee. Through this support it was possible to continue our research while obtaining funding from other sources. We thank you for your support.

Since we were short of funding during this period most of our time was spent planning, hoping, and waiting. Planning and preparation of the grant proposal was undertaken by Jim Wright with the invaluable assistance of Jerry Wise (General Library). Merlene DuBre used this time to work on Field Notes for the already recorded interviews. During this time she also kept in contact with the people on the reservations. She greatly expanded the circle of contacts within the Navajo and Hopi reservations and within the government organizations concerned. Merlene also completed a tremendous amount of reading on all aspects of the joint land use and relocation problems. This work is vital in providing the necessary background for the project.

Activities and trips

January - Merlene and Jim attended a Native American Church, Peyote Ceremony at the invitation of Andrew Morgan. The Ceremony was held near Ft. Courage, AZ.
Preparation of NEH Grant Proposal

February - Dean Vassallo invited us to talk with Dean Spolsky and Professor Emeritus Robert Young. They were concerned about our work and provided us with valuable information.
Merlene travelled to White Cone to attend a Chapter Meeting
NEH Grant Proposal submitted

March - Merlene travelled to Winslow, AZ to attend a relocation meeting

April - We presented a "Brown Bag Lunch" talk to the staff of the General Library. The presentation concerned the activities of the project.
Merlene attended and recorded the Anti-nuclear and relocation meeting at Dalton Pass, NM.

May - Taped interview with Jerry Kammer, author of the forthcoming book on the Joint Land Use Dispute.

June - Received notification of approval of NEH Grant
Travelled to White Cone to make arrangements for future work
Met with John Wood, Professor of Anthropology at Northern Arizona University, to discuss his research pertinent to our project.
I. General Departmental Information

GPMD officially became a department within the Readers' Services Division, General Library, on October 1, 1979. The Government Publications collection and the Map Room were previously units in the Reference Department.

A. Significant Achievements

1. Government Publications

The main objectives in the govpubs section of the new department were three fold. First to establish better organization and bibliographic of the government publications collection; secondly, to start assuming responsibilities inherent in our status as a regional depository; thirdly to improve reference service using the resources available within the department.

Several projects have been undertaken in order to start accomplishing the first goal. Among these are/were:

- Adding cards to the shelflist giving location and call number of GPO material not housed in GPMD. (i.e. Reference, Fine Arts, Parish, Tireman, the general stacks).
- Creating card sets for vertical file material previously lacking records.
- Accomplishing a partial inventory of cuttered (monographic) items during the shift (see below). Duplicate material is being reviewed for disposal. Card sets are being created for material lacking records.
- Reconciliation of all records in the department: shelflist, check-in, and subject-title file.
- Reshelving the main collection. On April 1, 1980 we started expanding the collection into Tower Level 5, from TL's 1 and 2. Material previously tucked into odd corners (notably Environmental Protection Agency, General Services Administration, and Department of Energy) were integrated into the main sequence. The move was mostly completed by June 30, although some tidying up remains. The 33% increase in shelf space will allow us to accommodate both normal expansion and government reorganization for at least three years.

In the matter of assuming regional responsibilities we have:

- Instituted a state wide duplicates exchange system encompassing all other federal depositories in New Mexico. Currently we are sending exchange lists to around 12 out-of-state libraries as well as the in-state ones. This project has helped us dispose of a great deal of duplicate or unwanted material.
- Started collection development activities (see below) to help us serve as a back-up government publications library for the state.

Reference Service has been enhanced by:

Started publishing "Government Publications Newsletter" monthly starting in November, 1979. This is a listing of new government publications, hopefully of interest, for both on and off campus recipients. It was first mailed to all faculty and administrators, with a tear sheet for those who wished to continue receiving it. The initial response was around 80 people, but the mailing list has since grown to around 120.

Adding a second professional librarian to the staff (see personnel, below, for details).

Re-assigning tasks within the department so that our LTA III/Library Specialist can now devote very nearly full time to reference work.

Cross training map-room and gov-pubs personnel between the two areas. The Map Room LTA II now works 3 hours a week in govpubs, and two govpubs people spend varying amounts of time working in the Map Room.

In addition we've made proposals for a major remodeling of the area that will create more reference stack space, a better microforms area, and a more open approach for readers.

Collection Development

UNM has been a GPO Regional Depository only since 1968. Prior to that time collection levels were far from comprehensive. In order to better perform the regional function we've instituted activities to 1) re-inforce the pre-1968 portion of the collection; 2) expand our acquisitions beyond the GPO depository, and; 3) improve acquisition of missing current material.

Retrospective collection building involved two areas: microfiche purchases, and "scrounging" of hard copy.

Microfiche Purchases:
Complete microfiche collection of all congressional hearings through 1969. This massive collection is unique within the state, and nearly so within the region.
Complete microfiche collection of all congressional committee prints through 1969.
All pre-1945 non-decennial census publications.

These three collections brought 69,930 fiche, totaling 24,400 titles into the collection. This collection is unique within the state, and nearly so within the region. A guide to the collection has been prepared and is available.

Hard copy acquisition involves more agressive use of the government publications duplicates exchange network. We're working on identifying areas of weakness, and carefully combing offerings from other libraries.
With regards to nondepository state documents acquisition efforts include letters of request and phone calls. Thus far most requests have been courteously and promptly filled. Problems, however, arise when requesting older materials. It is expected that next year's report on state publications will show great improvement in the organization, collection development and control of the collection.

3. Map Room

The Map Room, with a few exceptions, is basically in pretty good shape. The main activity since October 1st has centered around collection analysis and development, with some refinements in reference work.

Collection Development

Mainly this has been a process of claiming from the U.S. Geological Survey, and other agencies, maps that we should have, but did not receive. Several hundred maps in a number of series, were added to the collection in this fashion.

Certain organizational changes within the collection have been instituted. This involves classing sets together, rather than breaking them down by geographic area as had been previous practice in some instances. In addition we've been weeding out duplicate material, and material of little use to the collection.

In order to make maps more accessible, and take some workload off the mapkeeper, we moved an empty 5 drawer map case to the front of the room and put current New Mexico mapping in it. We made this unit open to users, in contrast to the rest of the units, which remain closed access. As New Mexico topographic mapping is our highest use item this eased the workload somewhat. In order to improve reference service we've spread the burden somewhat. Three govpubs staff members, received basic training in the map room. Two of them attended the map workshops (see personnel, below) and now work regularly scheduled hours in the map room.

B. Significant Plans and Recommendations

1. GovPubs.

The biggest difficulty in GovPubs is lack of space of all kinds: work, stack, reference, seating. Part of the problem was alleviated by taking over TL 5. Another part will be alleviated if the proposed remodeling is accomplished. Neither of these solutions is totally satisfactory, but short of a major addition to Zimmerman, or a new building, they represent our best options at this time.

Given the lack of space, significant planning is somewhat less than cosmic in scale. Among items to be worked on are:

* Increase in the number of GovPubs available through the main card catalog.
* Continuation of projects noted in section A.

Longer range goals involve increasing the staff at the LTA level, and adding an OCLC terminal to the department.
In addition we've re-joined the Documents Expediting Service of the Library of Congress (DocsEx), and will be using them to help fill in missing retrospective material.

DocsEx also provides us material not available through the GPO depository program. We are acquiring Central Intelligence Agency, General Services Administration, certain Congressional material, and material from the banking agencies through DocsEx. In addition they offer a service that provides individual copies of missing periodicals on request. This will give us a more positive approach to filling in runs awaiting binding.

We've also entered into a "material for credit" arrangement with Q.M. Dabney, the largest OP govpubs dealer. We send them material that was not claimed from our duplicates list in return for credit on OP material we wish to purchase.

2. New Mexico State Documents

New Mexico state documents usage and importance as reference materials are increasing. Therefore, efforts are being made to improve the organization and control of the library's state documents collection to provide better reference service.

In the Acquisitions Department of Technical Services Division persons assigned to work with New Mexico publications are documenting the process of handling state documents in receiving, searching and gifts and exchange. Their reports will be incorporated into a manual on state documents. At present there is no guide on the treatment of documents.

Evelyn Verstynen, in Bibliographic Control, has been designated the state documents cataloger. She has established a high priority status for cataloging state publications. In addition, Mrs. Verstynen is planning to work on the name authority file for state publications in order to update it.

In the Serials Department, Susan Haddaway, has been assigned to work with state serials publications. Also plans are underway with Diane Stine, serials cataloger, to discuss and establish criteria for determining which new titles should be treated as serials. Reconciliation of New Mexico serials titles is continuing.

The New Mexico main entry and subject drawers of the main card catalog have been duplicated and placed in the Government Publications Department. This was done in efforts to provide efficient reference service to patrons seeking assistance with New Mexico state publications.

Assistance in getting the state publications collection under control has been sought from Joan Kerschner, presently librarian at the Nevada State Library. Ms. Kerschner is well known for the excellent job she did in organizing the state documents collection at the University of Nevada. Hopefully an on-site visit to the University's government publications department can be arranged soon. Additional assistance was asked of the Acting Assistant Dean for Readers' Services who has extensive experience in working with state documents. An overview of the problems existing in dealing with the collection was given. Several suggestions were offered as preliminary approaches.

Discussions have taken place with Judy Bernstein, business librarian, to find out types of state materials being requested and types of questions being asked. This is in order to bring the business and economic state materials to an effective working level.
Map Room

Two major projects are in store for the Map Room.

1. Improve the collection, specifically in the Latin American section. This is a glaring weakness in the map collection. Work is under way to obtain grant funding to work on rectifying the situation.

2. Catalog the collection. The map room represents the largest collection of maps in New Mexico. Recent developments in OCLC have made it both desirable and more feasible to catalog the collection. With the public libraries coming on-line, and the MARC map records now in the database we are in a position to use OCLC to both catalog the maps and provide a service for New Mexico public libraries as well as the academic institutions.

C. Appointments to Staff

1. Teresa Marquez
   Temporary Assistant Government Publications Librarian, accepted the position on a permanent basis, September 10, 1979.

2. Heather Rex
   CS III, October 24, 1979.

3. Jerome Nelson
   Temporary CS II, April 1, 1980.

D. Separations from Staff:

Jerome Nelson
   Temporary CS II, June 30, 1980.

E. Promotion

Sarah Ann Peattie from LTA III to Library Specialist I, January 1, 1980.

II. Biographical Data

Charles A. Seavey

Publications.

"Exploration and Mapping of the Grand Canyon, 1859-1903"

"Cities of the American West: an Index to the City Maps"


Research

$500 RAC grant, with Steven Rollins, to prepare a computerized index to the cartobibliography of Carl I. Wheat's Mapping the Trans-Mississippi West, 1603-1865. 5 volumes. San Francisco: Institute of Historical Cartography, 1959-1963.
Professional Activities

Chairman, Cartographic Users Advisory Council, June, 1980—
"Exploration and Mapping of Yellowstone National Park" paper
presented at Annual Conference, Special Libraries Association,
Geography and Map Division, Washington, D.C., June 1980.
Vice-chairman, Chairman Elect, New Mexico Library Association,
Government Documents Roundtable, April, 1980—
Co-Founder, with David Cobb, University of Illinois, of the
Map and Geography Roundtable, American Library Association, January,
Attended fall meeting, Western Association of Map Libraries,

Other Professional Activities

Gave a workshop on maps for the staff of the New Mexico State
Library, Santa Fe, March, 1980.
Spoke on "Government Mapping of the West" to the Torrance
County Historical Society, March, 1980.
Informal talk on "Acquisition of Government Maps" for the
New Mexico Library Association Government Documents Roundtable,
September, 1979.

Maria Teresa Márquez
Professional Activities
Elected vice-president of Greater Albuquerque Library
Association.
Presented a paper "Federal Government Statistical Sources on
Hispanic-Americans" in the Seminar on Latin American Library
Materials Conference held in Albuquerque in June 1980.

Memberships
American Library Association
Map and Geography Roundtable
New Mexico Library Association

Works in Progress
"Federal Government Statistical Sources on Hispanic-Americans"
to be submitted for publication.
"Federal Government Publications for the Map Room" to be sub­
mitted for publication.
I. General Departmental Information

Personnel

1979-1980 was a year of complete change in the personnel at Parish.

Marsha Simonson who had become head of Parish in August 1978 after a year of interim operations in 1977-78, resigned effective August 31, 1979. She was to be replaced by a temporary librarian for September - December while a search committee sought a new permanent head. Pat Martinez was hired for the temporary position effective August 20 and resigned after one day. Glennis Hinshaw, the new temporary librarian began on September 4. The permanent head, Judith Bernstein, was appointed effective January 7. Glennis Hinshaw remained in Parish as a temporary reference librarian for three months until March 31. Her time was shared with Zimmerman Reference Department.

Judith Bakewell, who had been a mainstay of the library during the previous two years, also resigned in August. Joanne Scheibman who had held the LTA (CETA) position in 1978 and was appointed to LTA II part-time permanent on July 1 was hired in August as the new permanent LTA II to replace Bakewell.

In September, Jim Brown, Parish student assistant, was hired to fill the permanent part-time LTA II position vacated by Joanne Scheibman and Parish lost the student assistant position.

Christina Ross, permanent full-time CS IV resigned on January 11, to take a half-time LTA II position in Zimmerman. On January 21, Richard Inge was appointed to the CS IV position.
Christina Ross was rehired as a temporary part-time LTA II to serve from March 3 - June 30.

Work-study students were constantly hired and constantly resigned also necessitating a continuous year of training. Because of the constant turnover of work-study students, Parish was permanently assigned two student assistant positions, effective July 1, which should greatly facilitate consistent coverage and better service by well-trained students.

Collection Development

Collection Development, which languished during the first six months of the year, both because of the temporary status of the head of the library and because of a lack of funds, became the primary emphasis of the new head in January. The addition of $4,000 in new SUB and STO monies for Parish made possible the completion of several important projects.

The total reference collection was examined and all serials which had been ordered each year as single purchases were transferred to Standing Orders (totaling some $3,000). While this makes the Parish serials budget "appear" much greater than previous years, it is in fact rectifying a long standing misconception concerning the amount of money that has been spent on serials. The change to Standing Order status will also make for less work in ordering both for the Parish librarian and for Technical Services Department. The reference collection was also examined for weak areas and in particular new titles were added in the area of foreign corporate sources.

The examination of titles indexed in the Business Periodicals Index (BPI) for possible purchase by Parish was finally completed. All appropriate titles housed in Zimmerman were transferred to Parish and their funding agencies corrected to reflect this change in location and agency.
A number of additional titles were ordered for Parish which had been evaluated favorably by ASM faculty and several titles previously cancelled were reinstated. Three or four titles are still being considered for purchase when funds become available. In addition to hard copy, microfilm was ordered for those titles which need to be retained and back orders of microfilm were placed to complete runs. A list has been produced of all periodicals indexed in BPI and library holdings are indicated. Of 280 titles indexed in BPI, 124 are now held by Parish, 69 by Zimmerman, 12 by Health Sciences, Law and Fine Arts Libraries. A small number of the total periodicals indexed in BPI were considered inappropriate for purchase.

Parish is committed to a journal collection which will be supported by our indexing media and a collection which will provide the current awareness required by the curriculum of ASM. Only the serials collection (including looseleaf services) can provide this kind of currency.

We have further been concerned this year with building up the collection in areas of heavy demand because of course requirements and research in ASM. The importance of providing the most complete financial data available for the areas of finance, banking, accounting, marketing and advertising, etc. has led us to commit the library to a major standing order of SEC 10-K reports.

Streamlining the collection to reflect a clear business/management orientation has also been a long standing project. In 1978-79 it became possible to order materials for Parish, title by title rather than having the entire HD-HJ classification here. In July and August of 1980, the HE classification dealing with communication and transportation was examined title by title and all serials and monographs which are not central to the ASM curriculum were transferred to Zimmerman. The work of
examining the collection title by title and transferring materials to Zimmerman, which more appropriately belong there, was renewed in January with the appointment of the permanent librarian. Monographic materials in agricultural economics, land tenure, land reform, housing, slave labor and historical works are being examined for transfer to Zimmerman. The transfer of materials on business education, vocational guidance and economic geography has already been completed. The task of examining and transferring monographic material in this area as well as serials still remains to be completed in the coming year. The weeding of older, obsolete materials as well as unneeded duplicates was also begun this year. The review process included pulling cards, boxing transfers, processing proposed withdrawals and working with technical services to effectuate an orderly transfer and withdrawal process. The removal of some 4,000 titles this year was made feasible by the appointment of the temporary part-time LTA II whose appointment until June 30 was extended to December 1980.

In the process of examining weak areas in the collection, we have also added a number of State and Federal government documents as well as claiming and reinstituting lapsing services.

Parish expended its entire budget this year for both serials and monographs. It is imperative that we receive an adequate budget each year to maintain a quality, current awareness collection. The librarians at Parish have for several years emphasized the importance of continuing funds for the maintenance and expansion of the serials subscriptions and standing orders. This year is no exception! In a school where student level of demand is continually increasing, an adequate level of SUB/STO funding is essential.
Service

A good collection and good service go hand in hand. In spite of total and continuous staff turnover, there has been a successful effort to maintain basic services. Four seminars were presented in the areas of marketing and finance to graduate and undergraduate students and four orientations were given in basic reference sources. A new edition of the Parish orientation booklet was prepared and distributed. Formal reference hours were expanded in the Spring semester on a trial basis. Reference service was provided from 9-12 and from 2-6 on Monday through Thursday; 9-12 on Friday, and Monday evenings and Sunday afternoons. This was made possible by the appointments of the half-time reference librarian until March and the LTA II part-time through June. The hiring of another half-time reference librarian is a top priority for Parish if we are to maintain adequate reference service.

With the hiring of the permanent librarian who was experienced in on-line searching of Data Bases, Parish has begun to make more use of the on-line search capabilities of the library. There are now 20 Data Bases dealing with Business/Management subjects on the Lockheed system. This is an area which could be expanded in the coming year were adequate staffing available.

While total circulation decreased slightly from 36,200 to 35,613, the number of persons using the library increased from 159,500 to 162,951. The use of reference and non-circulating materials remains high as indicated by the shelving of this material.

The monthly New Title List continued to be distributed. A survey taken in the Spring indicated that those receiving it found it most helpful.

The Journal Display Area was again expanded to include transferred,
reinstated and new titles. Student workers were assigned blocks of titles for which they are responsible so that checking, straightening and claiming can be speeded up. Circulation and reserve procedures were tightened to more nearly conform with general library policies and procedures.

As is customary, Parish continued to provide federal and state tax forms for patrons, between January and April 15.

Space

Limited seating space is a continual problem at Parish and there appears to be no immediate plans for the needed expansion of the library. In efforts to alleviate this problem, the section of stacks adjacent to the reference area will be removed to make additional seating space in the reference area. More shelf space for the expanded reference collection can be attained by providing index tables in the reference area to which some of the main reference indexes can be transferred.

The transfer of appropriate parts of the collection to Zimmerman and withdrawal of obsolescent and duplicate materials will also temporarily alleviate the shelving problems. The purchase of microfilm and fiche and the disposal of older hard copy for most of the current periodicals is also part of the project to obtain additional shelf space. In addition, some of the lesser used materials are being placed in North Storage.

However, all these measures are temporary. A growing collection and a growing student demand will in a short time confront us with insurmountable space problems unless there is an actual expansion of the square footage available to Parish.

Future

The level of demand for business/management courses has been
increasing for several years and there is every indication that such demand locally and nationwide will continue. In 1977, 1,131 undergraduate students registered as majors in business; in 1979, that number increased to 1,433. The same is true of the graduate program with 319 students in 1977 and 351 in 1979. In 1977, 9,472 credit hours were taken in business courses; in 1979 that number increased to 11,323. If the project to expand the ASM facility takes place as planned, the graduate program will be permitted to expand in response to the increased demand. ASM is considered nationwide to be one of the finer small management schools.

Parish has a responsibility to support that school and to expand its services with the expansion of need and demand. A good beginning has been made in removing part of the collection that "grew" in Parish and clearly belonged elsewhere. Materials that are housed in Zimmerman are being transferred to Parish when they clearly belong there. Within a year or two, the Parish collection should more accurately reflect a current awareness collection based on the core ASM curriculum. In the long run, more space will be needed for a growing collection and some thought needs to be given to the relationship of the collections in economics and in business/management which logically should be housed together.

To maintain a quality collection, requires a continued budget commitment on the part of the General Library and the University. The most important area is the maintenance and expansion of looseleaf, subscription and serial type publications. Secondly is maintaining the monograph collection and filling in areas which are weak. Finally, there is the long term consideration of supporting new areas of curriculum which the school is developing such as, not-for-profit management.

Reference service, seminars and orientations, and on-line searching need to be developed and carried out in an in-depth fashion. One
librarian who also administers the unit and is doing collection development does not have the time to adequately perform all these functions. Training work-study students on a continuing basis to provide at least ready reference service is a stop gap measure at best. The consultant report points out "patrons are not receiving full library service when a non-professional attempts to solve professional level problems". A permanent half-time reference librarian, at the least, will be required if all service functions are to be performed on a higher than minimal level.
II. Composite of information requested on individual biographical supplements

1. Advanced study

Judith Bernstein - Certified - New Mexico State Teachers License
Social Studies and Librarianship K-12
- 2 credits continuing education - University of Denver, multicultural education
- 2 credits - UNM continuing education - Real Estate Appraisal
- TVI - continuing education - Real Estate practice
- Lockheed Dialog Workshop Update - March 4 and 5 - Lockheed on-line services
- Lockheed Dialog Workshop - basic business bases - June 27

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

None

3. New scholastic honors, fellowships, etc.

None

4. Publications

None

5. Other research projects or creative work in progress

Judith Bernstein - Editor of Turn-key Automated Circulation Systems; Aids to Libraries in the Market Place. To be published by American Library Association, August 1980

6. Activities in learned and professional societies

Judith Bernstein - Attended ALA Mid-winter meeting, January 19-25, Chaired four meetings on automated circulation systems
- Attended ALA Annual meeting, June 28 - July 3, Chaired three meetings on automated circulation systems
- Chairperson, LAMA/CSS Circulation Systems Evaluation Committee
7. Other Professional activities

Judith Bernstein - Media Day Program - mini lectures on business materials to radio/TV personnel, March 1

8. Non-teaching University service

None

9. Public service

Judith Bernstein - Cactus and Succulent Society of Albuquerque - Secretary

- Bnai Brith Women's Organization - Vice President for Programming
- Bnai Brith Youth Organization - Executive Board, Adult Advisors
<table>
<thead>
<tr>
<th></th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Charges</td>
<td>1090</td>
<td>753</td>
<td>1462</td>
<td>1803</td>
<td>1995</td>
<td>1001</td>
<td>819</td>
<td>1395</td>
<td>1866</td>
<td>1672</td>
<td>830</td>
<td>590</td>
<td>15,285</td>
</tr>
<tr>
<td>Books</td>
<td>1032</td>
<td>729</td>
<td>1386</td>
<td>1704</td>
<td>1799</td>
<td>926</td>
<td>786</td>
<td>1318</td>
<td>1797</td>
<td>1562</td>
<td>769</td>
<td>566</td>
<td>14,374</td>
</tr>
<tr>
<td>Student</td>
<td>619</td>
<td>411</td>
<td>1092</td>
<td>1289</td>
<td>1456</td>
<td>640</td>
<td>496</td>
<td>1011</td>
<td>1534</td>
<td>1269</td>
<td>543</td>
<td>294</td>
<td>10,654</td>
</tr>
<tr>
<td>Faculty</td>
<td>108</td>
<td>106</td>
<td>65</td>
<td>102</td>
<td>128</td>
<td>170</td>
<td>67</td>
<td>47</td>
<td>55</td>
<td>40</td>
<td>68</td>
<td>73</td>
<td>1,029</td>
</tr>
<tr>
<td>Other</td>
<td>305</td>
<td>212</td>
<td>229</td>
<td>313</td>
<td>215</td>
<td>116</td>
<td>223</td>
<td>260</td>
<td>208</td>
<td>253</td>
<td>158</td>
<td>199</td>
<td>2,691</td>
</tr>
<tr>
<td>Serials</td>
<td>58</td>
<td>24</td>
<td>76</td>
<td>99</td>
<td>196</td>
<td>75</td>
<td>24</td>
<td>77</td>
<td>69</td>
<td>110</td>
<td>61</td>
<td>24</td>
<td>893</td>
</tr>
<tr>
<td>Discharges</td>
<td>972</td>
<td>941</td>
<td>500</td>
<td>918</td>
<td>1214</td>
<td>2665</td>
<td>681</td>
<td>602</td>
<td>901</td>
<td>1487</td>
<td>2122</td>
<td>472</td>
<td>13,475</td>
</tr>
<tr>
<td>Reserve</td>
<td>334</td>
<td>100</td>
<td>655</td>
<td>886</td>
<td>498</td>
<td>504</td>
<td>215</td>
<td>845</td>
<td>947</td>
<td>732</td>
<td>409</td>
<td>171</td>
<td>6,296</td>
</tr>
<tr>
<td>Other</td>
<td>56</td>
<td>50</td>
<td>33</td>
<td>47</td>
<td>32</td>
<td>26</td>
<td>19</td>
<td>48</td>
<td>41</td>
<td>42</td>
<td>95</td>
<td>86</td>
<td>575</td>
</tr>
<tr>
<td>Circulation Total</td>
<td>2452</td>
<td>1844</td>
<td>2650</td>
<td>3654</td>
<td>3739</td>
<td>4196</td>
<td>1725</td>
<td>2890</td>
<td>3755</td>
<td>3933</td>
<td>3456</td>
<td>1319</td>
<td>35,613</td>
</tr>
<tr>
<td>Gate Count</td>
<td>8665</td>
<td>8665</td>
<td>14,326</td>
<td>19,016</td>
<td>17,864</td>
<td>13,418</td>
<td>7736</td>
<td>17,263</td>
<td>15,880</td>
<td>21,583</td>
<td>12975</td>
<td>5560</td>
<td>162,951</td>
</tr>
</tbody>
</table>
I. General Departmental Information

A. Significant achievements and narrative of events

The past year has been a productive, though often frustrating and pressurized one for the Serials Department staff and faculty. While we were able to document significant progress in most areas, problems resulted from management of temporary staff, increased demands from other Library departments and shifting Library priorities.

As expected, the Serials Reconciliation Project dominated all aspects of serials staffing patterns, work flow and assignment of priorities throughout the year. The task of trying to balance limited personnel resources against the need to move ahead on this project as well as maintain current operations proved a difficult one for all involved. In September Benita presented a detailed report on reconciliation progress to the Executive Council, outlining statistics to date, use of temporary staff, and projections for completion dates. At that time the serials cancellation rate was running at about 22% due to increased pressure exerted on the selectors. Printouts, sorted by fund for all titles paid during the previous fiscal year, were sent to selectors to aid in this process. By the end of October, ahead of the projected schedule, reconciliation sheets for virtually all active, paid subscriptions and standing orders had been sent to selectors. At about the same time, Pat Jennings presented her procedures, a form, and a projected timetable for reconciliation of the CSO file, and Anne Watkins designed a newspaper reconciliation form and started work on that project.

Sheets were also generated for all titles on the CSR having a state name
as the beginning of the corporate entry (except New Mexico), but these sheets have been held in the Serials Department due to other priorities on selectors' time.

From November until May reconciliation sheets were generated for titles previously skipped, i.e. purchases, LBO's, gifts, exchanges, etc., but this work ceased when we no longer had temporary staff to perform these duties. Serials Acquisitions staff continued fiscal reconciliation duties throughout the year, which includes correction and improvement of the BATAB records, creation of a CSR fiscal record and massive correspondence to determine information on the source of titles or membership documentation, for example.

The statistics for the project to date are as follows:

CSR sheets sent to selectors:
Live: 6,415  Inactive: 3,682  Total: 10,097
For live titles: 3,369 SUBS continued = $203,245
473 SUBS cancelled = $25,129
673 STOS continued = $25,395
108 STOS cancelled = $6,175
Total for continued titles = $228,640
Total for cancelled titles = $31,304
12% cancellation rate overall
210 CSO sheets sent out
98 returned
9 cancellations

In May four temporary positions were approved for FY 80/81, one to go to Serials Cataloging and three for Serials Acquisitions and continuation of the reconciliation project.

On July 1, 1979 Pat Jennings joined the Department as Assistant
Acquisitions/Serials Librarian. She spends half of her time in Acquisitions and half in Serials Acquisitions, performing duties specific to each area and acting as liaison between the two departments. Shifting library priorities plagued Serials Acquisitions throughout the past year. Until the Fall, emphasis was concentrated on fiscal reconciliation and processing of serials cancellations. However, when an additional $150,000 allocation was given to the Library for acquisitions, emphasis was shifted to payment of invoices and processing of new subscriptions and standing orders as well as large, one-time purchases. The section was also trying to devise improved methods of communication with the nearly thirty subject selectors within Collection Development. After some rough going, problems in this area seem to have been mutually resolved.

The F.W. Faxon Company increased its volume of business with the General Library due to two events occurring last year. All subscriptions previously placed by us with Nijhoff (Netherlands) were transferred to Faxon as a means of saving money. Later, in March, we were advised that Faxon had acquired the Stechert-Macmillan Company, giving Faxon all of our subscriptions and standing orders previously handled by Stechert. Faxon is now responsible for approximately one third of our entire serials budget. Faxon also provided us with several computer generated products which were very useful in obtaining management information about our serials expenditures and which assisted us in the reconciliation project.

The exchange program, despite its relegation to a low-ranking priority for the section, did show progress. Records on continuing exchanges were updated, and New Mexico Studies on the Fine Arts was added to the list of exchange titles we offer other libraries.
Serials Cataloging experienced the heaviest turnover in personnel last year. In August, Diane Stine began in her position as Serials Cataloger, coming to us from the Center for Research Libraries in Chicago. Also in August, Anita Allen, Visiting Lecturer, was transferred to Serials Cataloging from the UNM Medical Library for the remainder of the year. Finally, Anne Watkins, team leader for over two years, resigned effective April 30, 1980. Anne's position was transferred to the Bibliographic Control Department with the promise that the vacancy would be met with additional staffing for Serials Cataloging or a transfer of certain portions of the work load to Bibliographic Control. As a result of many other turnovers, only two members of the Serials Cataloging team employed in July, 1979 were still here as of June, 1980.

Bibliographic reconciliation considerations affected all aspects of serials cataloging during the year. While cataloging of new materials took precedent over other assignments, reclassification, location changes, fiche corrections, retrospective conversion, identification of previously overlooked title changes and other types of reconciliation special projects appropriated the majority of the time. Several major changes or improvements to the serials fiche list were implemented, with several others proposed and approved but postponed until after installation of the new computer main frame. Production of periodical card sets for the public catalog was begun again after a hiatus of many years, and cards are also being produced for all recataloged periodical titles. The serials cataloging manual was completely revised, and all team members were trained or re-trained about serials cataloging principles and procedures throughout the year. In June a special workshop on serials MARC tagging procedures was conducted at Zimmerman by a staff member from AMIGOS.
Other miscellaneous information

Benita Weber volunteered to coordinate the activities of the Skills Center, a support service for the University's Basic Skills program located in the Library, during all of the fiscal year. This splitting of the department head's duties created some problems for the Serials Department in the long run, but these were not seen as insurmountable.

All three of the librarians in Serials have been assigned selection responsibilities. Diane Stine is selecting Russian materials; Pat Jennings is the newspaper selector; and Benita selects for library science and library tools.

A series authority file conversion project was begun in March, 1980 using lapsing funds to pay overtime wages to currently employed personnel. Approximately 8,700 entries and cross-references were entered into the serials fiche list by the end of the fiscal year.

B. Plans and recommendations for the future

It is hoped and anticipated that reconciliation and transfer to the CSR of all standing orders in the CSO files will be completed in the coming fiscal year. We will also need to reconcile those CSR titles not previously reviewed, but this will probably take two years to complete, depending upon availability of continued temporary staffing. Bibliographic reconciliation must continue at a more rapid pace. Training for and implementation of AACR II will be a major focus for the Serials Cataloging Team.

Since it is anticipated that the serials expenditures and encumbrances will approach $650,000 in the next fiscal year, it will be imperative to keep accurate statistics and generate excellent budgetary reports on these expenditures. Alternative methods of generating these reports must be explored. We must also find a way to reduce the invalid
encumbrances in the standing orders agency to a more valid figure. As serials comprise a larger and larger volume and dollar amount of our commitments, we must think about adding one or two more permanent staff to the Serials Acquisitions staff. Again, as I mentioned in this section last year, we need to pursue the possibility of implementing a different automated acquisitions system. This decision will most likely be dictated by the Library's choice of an automated circulation system within the next several months.

Another area we need to give more attention to is Latin American serials. Efforts need to be given to cataloging the backlogged volumes, either in this department or in Bibliographic Control.

We will need to implement the serials fiche changes which were postponed due to the computer installation, and we should finish the SAF Conversion Project.

C. Appointments to staff

<table>
<thead>
<tr>
<th>Name</th>
<th>Status/Title</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shirley Wozniak</td>
<td>Temporary, part-time</td>
<td>July 2, 1979</td>
</tr>
<tr>
<td>Forrest Blech</td>
<td>Temporary, full-time</td>
<td>July 2, 1979</td>
</tr>
<tr>
<td>Alice Loner</td>
<td>Temporary, full-time</td>
<td>July 2, 1979</td>
</tr>
<tr>
<td>Melissa Carlisle</td>
<td>Temporary, full-time</td>
<td>July 2, 1979</td>
</tr>
<tr>
<td>Sherrie Brockett</td>
<td>Temporary, full-time</td>
<td>July 9, 1979</td>
</tr>
<tr>
<td>Patricia Jennings</td>
<td>Permanent, Faculty</td>
<td>July 16, 1979</td>
</tr>
<tr>
<td>Anita Allen</td>
<td>Temporary, Visiting Lecturer</td>
<td>August 3, 1979</td>
</tr>
<tr>
<td>Susan Haddaway</td>
<td>Permanent, full-time</td>
<td>August 8, 1979</td>
</tr>
<tr>
<td>Diane Stine</td>
<td>Permanent, Faculty</td>
<td>August 22, 1979</td>
</tr>
<tr>
<td>Forrest Blech</td>
<td>Permanent, full-time (status change)</td>
<td>August 27, 1979</td>
</tr>
<tr>
<td>Anthony Francis</td>
<td>Temporary, full-time</td>
<td>September 4, 1979</td>
</tr>
<tr>
<td>Mark Higgins</td>
<td>Temporary, full-time</td>
<td>September 24, 1979</td>
</tr>
<tr>
<td>Shirley Wozniak</td>
<td>Permanent, part-time (status change)</td>
<td>October 8, 1979</td>
</tr>
</tbody>
</table>
### C. Appointments to staff - continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Status Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anne Sutherland</td>
<td>Permanent, full-time</td>
<td>October 22, 1979</td>
</tr>
<tr>
<td>Patricia Seavey</td>
<td>Temporary, full-time</td>
<td>October 29, 1979</td>
</tr>
<tr>
<td>Matilde Farren</td>
<td>Temporary, part-time</td>
<td>October 29, 1979</td>
</tr>
<tr>
<td>Jeanette Ortiz</td>
<td>Permanent, full-time (reclass-promotion)</td>
<td>January 2, 1980</td>
</tr>
<tr>
<td>Susan Haddaway</td>
<td>Permanent, full-time (promotion)</td>
<td>January 16, 1980</td>
</tr>
<tr>
<td>Anthony Francis</td>
<td>Permanent, full-time (status change)</td>
<td>January 21, 1980</td>
</tr>
<tr>
<td>Patricia Seavey</td>
<td>Permanent, full-time (promotion-status change)</td>
<td>February 6, 1980</td>
</tr>
<tr>
<td>Sue Butcher</td>
<td>Temporary, full-time</td>
<td>February 11, 1980</td>
</tr>
<tr>
<td>Ilene Renfro</td>
<td>Temporary, full-time (promotion-status change)</td>
<td>May 19, 1980</td>
</tr>
<tr>
<td>Sue Butcher</td>
<td>Permanent, full-time (status change)</td>
<td>June 2, 1980</td>
</tr>
<tr>
<td>Luz Van Coevering</td>
<td>Permanent, part-time</td>
<td>June 9, 1980</td>
</tr>
<tr>
<td>Patricia Seavey</td>
<td>Permanent, part-time (promotion)</td>
<td>June 23, 1980</td>
</tr>
<tr>
<td>Henry Guenther</td>
<td>Permanent, full-time (transitioned from CETA)</td>
<td>June 23, 1980</td>
</tr>
</tbody>
</table>

### D. Terminations and transfers

<table>
<thead>
<tr>
<th>Name</th>
<th>Status Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alice Loner</td>
<td>Temporary, full-time</td>
<td>August 8, 1979</td>
</tr>
<tr>
<td>Annabelle Maestas</td>
<td>Permanent, full-time</td>
<td>August 17, 1979</td>
</tr>
<tr>
<td>Twyla Reinig</td>
<td>Permanent, part-time</td>
<td>September 14, 1979</td>
</tr>
<tr>
<td>Heidi Carrasco</td>
<td>Permanent, full-time (transfer to Reference)</td>
<td>October 15, 1979</td>
</tr>
<tr>
<td>Jean Fish</td>
<td>Permanent, full-time</td>
<td>January 2, 1980</td>
</tr>
<tr>
<td>Ronald Smith</td>
<td>Permanent, full-time</td>
<td>January 18, 1980</td>
</tr>
<tr>
<td>Matilde Farren</td>
<td>Temporary, part-time</td>
<td>February 5, 1980</td>
</tr>
<tr>
<td>Anita Allen</td>
<td>Temporary, full-time (transfer to Assistant Dean)</td>
<td>February 28, 1980</td>
</tr>
<tr>
<td>Sherrie Brockett</td>
<td>Temporary, full-time</td>
<td>March 14, 1980</td>
</tr>
</tbody>
</table>
### Terminations and transfers - continued

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anne Watkins</td>
<td>Permanent, full-time</td>
<td>April 30, 1980</td>
</tr>
<tr>
<td>Diana Jacobs</td>
<td>Permanent, full-time</td>
<td>June 3, 1980</td>
</tr>
<tr>
<td>Mark Higgins</td>
<td>Temporary, full-time</td>
<td>June 6, 1980</td>
</tr>
<tr>
<td>Anne Sutherland</td>
<td>Permanent, full-time</td>
<td>June 30, 1980</td>
</tr>
<tr>
<td>Melissa Carlisle</td>
<td>Temporary, full-time</td>
<td>June 30, 1980</td>
</tr>
</tbody>
</table>

### II. Composite of individual biographical supplements (January - December, 1979)

1. **Advanced study**
   - None

2. **Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.**
   - None

3. **New scholastic honors**
   - None

4. **Publications**
   - None

5. **Other research projects or creative work in progress**
   - Diane Stine - Continued work on article about cataloging microforms using AACR II
   - Benita Weber - Continued work on Preservation book with Neosha Mackey, co-editor

6. **Activities in learned and professional societies**
   - Pat Jennings - Attended meeting of SLA Rio Grande Chapter, September
   - Anne Watkins - Attended ALA Conference January and June
   - Attended AACR II Workshop, June
   - Attended NMLA Conference, March
   - Served as member of NMLA Library Development Committee
6. Activities - continued

Benita Weber - Attended ALA Conference January and June
   - Attended NMLA Conference, March.
   - Completed term of NMLA Treasurer
   - Completed term of Chairperson, ALA RTSD SS Committee to Study Serials Records
   - Appointed Local Arrangements Chairperson for NMLA 1981 Conference
   - Re-appointed as member of Committee to Study Serials Records

7. Other professional activities

None

8. Non-teaching University service

Pat Jennings - Future of Bibliographic Records Committee
   - Reference Librarian (Physical Sciences) Search Committee

Diane Stine - Library Faculty Council
   - Library Research and Publications Committee
   - Volunteer math tutor in Skills Center

Anne Watkins - Ibero-American Cataloger Search Committee
   - Future of Bibliographic Records Committee

Benita Weber - Coordinator of Skills Center
   - Assistant Dean for Collection Development Search Committee
   - Research Allocations Committee
   - Continuing Education Committee
   - Policy on Withdrawal of Library Materials Committee

9. Public service

Anne Watkins - Secretary, Corrales Historical Society
   - Board of Directors, Ocha Cooperative
### TITLES ON THE CHECKLIST RECORD

<table>
<thead>
<tr>
<th></th>
<th>1979</th>
<th>1980</th>
<th>+ or -</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subscriptions</td>
<td>8,390</td>
<td>8,176</td>
<td>-214</td>
</tr>
<tr>
<td>Gifts</td>
<td>3,310</td>
<td>3,357</td>
<td>+ 47</td>
</tr>
<tr>
<td>Exchanges</td>
<td>1,661</td>
<td>1,654</td>
<td>- 7</td>
</tr>
<tr>
<td>Deposit</td>
<td>1,920</td>
<td>2,017</td>
<td>+ 97</td>
</tr>
<tr>
<td>Non-current, OP</td>
<td>2,745</td>
<td>2,628</td>
<td>-117</td>
</tr>
<tr>
<td>Purchase</td>
<td>4,686</td>
<td>4,626</td>
<td>- 60</td>
</tr>
<tr>
<td>Title Changes</td>
<td>580</td>
<td>648</td>
<td>+ 68</td>
</tr>
<tr>
<td>Newspapers</td>
<td>444</td>
<td>444</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>23,736</td>
<td>23,550</td>
<td>-186</td>
</tr>
</tbody>
</table>

### MICROFORMS ADDED

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Newspaper Microfilm Reels</td>
<td>1,594</td>
</tr>
<tr>
<td>Other Microfilm Reels</td>
<td>4,167</td>
</tr>
<tr>
<td>Microfiche Sheets</td>
<td>85,373</td>
</tr>
<tr>
<td>Microcards</td>
<td>778</td>
</tr>
<tr>
<td><strong>CLAIMS</strong></td>
<td>1,232</td>
</tr>
</tbody>
</table>

### SERIALS LIST TRANSACTIONS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14,676</strong></td>
<td></td>
</tr>
</tbody>
</table>

### SERIALS ACQUISITIONS STATISTICS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>New Orders placed:</td>
<td></td>
</tr>
<tr>
<td>Subscriptions</td>
<td>370</td>
</tr>
<tr>
<td>Standing Orders</td>
<td>256</td>
</tr>
<tr>
<td>Pre-Pays</td>
<td>5</td>
</tr>
<tr>
<td>Purchases (including back orders)</td>
<td>568</td>
</tr>
<tr>
<td>Cancellations</td>
<td>415</td>
</tr>
<tr>
<td>Number of Invoices Paid</td>
<td>2,094</td>
</tr>
<tr>
<td>Exchanges set up</td>
<td>32</td>
</tr>
</tbody>
</table>

Total expended and encumbered for Standing Orders 1979/80 - $184,759

Total expended and encumbered for Subscriptions 1979/80 - $400,194

**TOTAL** - $584,953
Report of the Special Collections Department
July 1, 1979-June 30, 1980
Donald Farren, Head

I. General Departmental Information.

A. Significant Achievements During the Academic Year.

Direct Service to Readers.

Although officially designated "The Year of the Collection" under a mandate to "give total emphasis to collection building" (reference memorandum dated January 17, 1980, to Readers' Services Department Heads from the Assistant Dean for Readers' Services), this year's greatest investment in terms of gross staff time expended was directed, as in the past, to direct service to readers. (See below under The Collections a report of activities under the collection building mandate.) The success of the general service orientation and of specific service programs was indicated by the quantity and quality of readership in the Department. One specific measure of this success was a need expressed by readers for longer hours. Some experimental steps were taken in this direction by having the Department open additional evening hours near the ends of the semesters.

Education, Outreach, and Publicity

The usual constant round of reference interviews, tours, presentations, and orientations was pursued in order that the Department's services and resources be interpreted to individuals, class groups, ad hoc groups, and special interest groups like, for example, New Mexico genealogists and the Pueblo Indian Library Project. Clientele were drawn from both the University community and beyond. For instance, use of our land grant records by citizens of Tomé continued well into this academic year. The duration of each of these activities
varied from between a half-hour or so to a week or so. The usual letters were sent to a wide spectrum of teaching faculty offering to provide to their classes presentations of the Department's services and resources. Response continued to be enthusiastic. There is, however, some indication that the quantity of response to these form letters of invitation has peaked and that further expansion of this program will have to come through individual personal contact with teaching faculty.

Several cooperative projects were conducted with the Albuquerque Museum:

Production and evaluation of a computer-produced index to photographic resources.
Support of a wide range of activities conducted by the museum in celebration of the Albuquerque railroad centennial.
Loans of materials for exhibit in the Museum.
Provision of materials to be facsimiled and published by the Museum.
Compilation by a staff member of a bibliography on Albuquerque to be published by the Museum.

Assignments to the Department of responsibilities for special projects went unabated this year:

Brazil Week
Japan Week in Albuquerque
Media Day
Meeting of the Seminar on the Acquisition of Latin American Library Materials
Meeting of the South Central Society for Eighteenth-Century Studies
Mexico Week
Millionth Book Celebration
UNM Japanese Week
The experience of carrying out these responsibilities for special assignments suggests that in assessing the priorities of the Department these special assignments should be considered part of its normal workload.

The Department in general (and the Head of the Department in particular, as Chairman of the Library Faculty Exhibits Committee) continued to support the Library exhibits program by providing materials, expertise, and labor. The exhibits mounted were (in chronological order):

- English and American accounts of Brazil (for Brazil Week).
- Eighteenth-Century New Mexico; and Aeronautica from the Air Force Academy (for the meeting of SCSECS).
- Recent acquisitions of Japanese Books (for UNM Japanese Week).
- "Mexico: With the Eyes of Strangers" (for Mexico Week and the meeting of SALAIM).
- Books about Japan and Japanese culture in the collections (for Japan Week in Albuquerque).
- Early Hispanic New Mexicanana (for the meeting of SALAIM).

The Collections

Collection Deployment. Because of space requirements (that is, lack of space) and for the better security of the collections, considerable shifting of materials had to be done during the year—some of the Anderson Room, most of the Bell Room, and all of the Coronado Room. The by-product obtained from these shifts was a more effective deployment of materials. For example, into the North Alcove of the Coronado Room were moved the multi-volume photostatic archival collections and the collections of printed records and guides associated with them. A staff member reported that "a reader remarked that he was exposed to material he had not seen before on earlier visits to Special Collections. The material he referred to is not new, merely easier to locate."
Accepted as Library Policy was the concept of having a restricted circulation (XX) category of materials to be serviced by the Circulation Department from a location outside Special Collections. This policy, aside from making certain materials more conveniently accessible, will relieve space problems in the Bell Room once materials appropriate for restricted circulation can be identified. Screening of the general stacks for rare materials continued, but much less of this had to be done this year because much of this screening was accomplished last year. Individual items and groups of material will of course continue to be identified as appropriate to be considered for transfer to Special Collections.

Collection Analysis. Holdings (or lack thereof) of materials located in the Department and elsewhere in the Library system continued to be analyzed. This year's activities concentrated on materials in the fields of:

- Brazil
- Eighteenth-Century English Novels
- Fine Printing
- History of Books and Printing
- Henry James
- D.H. Lawrence
- Mexico
- Quakerism
- Mormonism
- Edwin Arlington Robinson

and many fields of Western Americana.

Continued analysis of Mexican holdings has led to a realization of the richness of these resources in the Library, and a grant proposal for a program to organize and otherwise provide access to these materials was developed by the Ibero-American Librarian partly in coordination with Special Collections personnel.
Collection Development. The vendor of the New Mexico Approval Plan achieved limited success in carrying out the plan and asked to be relieved of responsibility for it, which was done. Subsequently, some standing orders were reinstated. The Acquisitions Department, using information garnered from various sources, much of it of course emanating from this department, vigorously pursued, on a title-by-title basis, the new publications of New Mexicana that were meant to be covered by the approval plan. The Acquisitions Department achieved commendable success in this area. A system was devised by which all selectors are alerted to new items of New Mexicana, allowing us to more efficiently compute numbers of copies required on a Library-wide basis.

Substantial funds were made available for the purchase of rare books and manuscripts. Under a planned acquisitions program, purchases were concentrated in the following fields:

- Nineteenth- and early twentieth-century maps of New Mexico.
- Contemporaneous editions of the principal eighteenth-century English novelists.
- British and American travelers to nineteenth-century Brazil and Mexico.
- Works of Edwin Arlington Robinson published during his lifetime.
- The Texas-Santa Fe Expedition of 1841; the Snively-Warfield Expedition of 1843; Texas land claims in New Mexico; and the Mexican War.
- American fine printing of Western Americana; Merle Armitage; and a laboratory collection for the history of printing.
- Landmarks of early Western fiction.
- Mormonism in the Four Corners region and elsewhere in New Mexico.
- Spud Johnson and The Laughing Horse Press.
- Core desiderata of New Mexicana and other Western Americana; major rarities of Western Americana available on the market; iconography of the early
West: separately published prints and photographic documentation.
Library resources were greatly enriched in those fields, and many significant
and remarkable items were acquired. (A separate report covers these acquisitions
in more detail.) This program had to be accomplished in a relatively short
period of time, which created some congestion of workload, but fortunately,
by dint of concentrated efforts within the Department and the enthusiastic
cooperation of other units of the Library, a tight control of fiscal and bibliogra-
graphic information was maintained, and the program was successfully accom-
plished.

Our continuous efforts in pursuing appropriate archival and manu-
script resources garnered a variety of materials during the year. Additions also
were made to collections already established. The following are the major
additions to existing archival collections and major new archival collections
acquired:

Ortiz y Pino family history
Albuquerque-Bernalillo County Council of Older Persons
Writers at Work, video tapes
Judson Crews, literary journals
Archie Bahm, philosophical off-prints and printed editions
Mabel Dodge Luhan, letters
Albuquerque history
D.H. Lawrence, museum objects and printed editions
Women in New Mexico, additional groups of material
Cofradías of Jalisco, Mexico, microfilmed archival manuscripts
Manuel Lujan Papers, additions
Bainbridge Bunting measured drawings of historical buildings
New Mexico State Poetry Society, printed editions
Beula Fleming architectural documents
Possibilities of acquiring many other archival and manuscript collections were nurtured during the year, most notably in the area of the papers of New Mexico senators, and it is expected that in the nature of things these efforts will eventually bear fruit.

**Processing and Bibliographic Control**

All archives have been placed under some form of bibliographic control and a general screening and evaluation of this material has been begun. A large collection of pamphlets on labor and left-wing politics was sorted in a cooperative project with Professor Robert Kern and some of his students. In cooperation with the Serials Department a large proportion of the UNM serial publication was recatalogued. Excellent coordination was maintained with the Bibliographic Control Department, which assured smooth processing of a great number of rare books. A new location area designated "Archives" was created; this is designed chiefly to receive the archival copies of UNM publications maintained by Special Collections.

**Facilities and Equipment**

High temperatures experienced in the reading rooms during the summer have to be tolerated at the cost of the working effectiveness of readers and staff, and it has long been perceived that most of the physical space available to the Department does not provide conditions appropriate to the conservation of rare books and manuscripts because of the lack of humidity and temperature controls. It is now perceived that the physical space available to the Department is either inadequate in size or inefficiently utilized or both and that a major restudying of this problem and restructuring of the space should have high priority. Three factors contribute to a sense of the imperative of finding solutions to these problems:
1. For most of the Department we are in violation of requirements to provide access to the physically handicapped. Therefore, if asked, we would have to set up elaborate stop-gap procedures for paging materials to areas that are accessible to the physically handicapped.

2. A structural engineering study revealed that many areas of the Department are now structurally over-loaded.

3. Anderson Room shelving is full. Fortunately the decision to move out certain restricted access materials and to transfer responsibility for servicing them to the Circulation Department will (temporarily) relieve some of the space problems in the Bell Room. Likewise some of the space problems on Tower Level 3 can be (temporarily) relieved by screening materials for transfer to TL 9.

Foreboding of the major question of the space and the physical facilities of the Department seems to have had the effect of inhibiting the solving of some problems of smaller dimension that at least on an immediately commonsense level seem capable of quick solution. For instance, an area security system was installed in the wing of the building that houses the Meem Collection and other historical architectural documents, but getting this achieved seemed to require an excessively long and repetitive series of efforts. Another example is that equipment in the Department for flat storage of materials and for the shelving of oversize materials is inadequate, to a degree that present conditions of storage are causing damage to materials of these sorts.

The continued popularity of the exhibits program points up the need for an adequately equipped and secure exhibition area in the Department so that rare materials can be effectively displayed. The popularity of the exhibits program suggests that returns in good publicity would devolve on the Library and the University if the Library had such a facility. Likewise the quantity and constancy of demand for photo-reproductions of rare and fragile materials point up
The need and advantages of having within the Department some facilities for providing high-quality photo-reproductions.

Staff

Staff of the Department continued to cope cheerfully and enthusiastically with problems requiring ingenuity, flexibility, energy, and enterprise, as well as intelligence, experience, and expertise. Unfortunately with the beginning of FY 1980-81 further funding will not be available for the half-time CS IV attendant in the Meem area; it is hoped that renewed funding of that position, which is necessary for the effective maintenance, processing, and servicing of our important resources of historical architectural documents, can be achieved. Restudy of the staffing level of the Department will have to be integral with the accomplishment of two of the major goals of the Department: the acquisition of extensive collections of senatorial papers and the provision of longer hours of service.

Finally it is worth quoting the following vignette, drawn by a staff member, which is representative of life in the Special Collections Department.

Interesting experience of the month: As a young female student entered the room with a large coke in her hand I motioned to her to take it outside. She approached the desk and asked, "Do you mean I can't bring this in here?" When I answered that she could not she responded, "I'm from Lincoln County, I know everyone in Lincoln County, I know Billy the Kid and I'm going to shoot you. But, I guess this is one of my good days and I'll leave." And she left.

Needless to say, her place was filled by other users of materials, most not packing pistols and probably some from Lincoln County.

B. Significant Plans and Recommendations for the Near Future.

1. Work toward creating a program with procedures, staff, equipment, and facilities for the conservation, binding, and repair of rare books and manuscripts. The increasing consciousness locally of the general range of problems associated with the preservation and conservation of library materials suggests that it will eventually be reasonable to hope that such a program for Special
Collections materials can be created within the context of the general needs of the Library system.

2. Investigate means to improve the service posture of the Department by better deploying the collections and providing better physical access to them. Such an investigation is to be conducted within the general context of studying the needs of the Department for physical space, facilities and equipment.

3. Work toward further defining, articulating, and projecting the mission, functions, and resources of the Department.

4. Assure that adequate hours of service are provided.

5. Assure that staffing of the Department is commensurate with the missions assigned to it.

C. Appointments to and Separations from Staff

Judy Pence served as Acting Head of the Department during July and August 1979. Donald Farren, Head of the Special Collections Department, returned September 1 to begin a 10 month appointment. On October 1, Judy Pence became half-time Head of the Department, while Donald Farren changed to a half-time position through the end of this reporting period.

During 1979-80 various temporary employees joined and left the staff. Marianne Scholes Spores (temporary Library Specialist I) joined the staff on a permanent basis on August 29. The last day of Kathryn Davis's (CETA LTA I) was September 28. Paul Sternberg joined Special Collections as an Occasional Employee (LTA I) on February 1. His last day was March 28. Alice Sickles (temporary, part-time CS IV) was able to continue her part-time position after July 1, 1979. Her last day was May 23, 1980.

Jan Barnhart received a promotion and officially began as an LTA II on January 1, 1980. The last day of Gloria Trujillo (CS IV) in the Special Collection Department was December 10, 1979. Leslie La Vigne began as her replacement on January 14, 1980.
II. Biographical Information.

1. Advanced Study.
   Judy Pence: completed 3-hour course in Linguistics (Spanish Morphology).

2. Sabbaticals, Leaves of Absence, Summer Teaching Elsewhere, Travel, etc.
   Donald Farren: research leave in New York City, July-August 1979.

3. Publications.
   Donald Farren: "Brazil: An Exhibition of Rare Books in the Special Collections Department," September 1979 (brochure).

4. Other Research Projects and Creative Works in Progress.
   Donald Farren: doctoral dissertation, "Publishing by Subscription in Early America."
   Judy Pence: a subject bibliography of New Mexico theses and dissertations.

5. Activities in Learned and Professional Societies.
   Donald Farren: presented a paper in the session on publishing history of the meeting of the South Central Society for Eighteenth-Century Studies, Albuquerque; commented on the session on "Great Bibliographers" of the Library History Seminar, Austin; nominated to run for the office of Member-at-Large, Rare Books and Manuscripts Division, Association of College and Research Libraries;
   Judy Pence: completed term as President of the Greater Albuquerque Library Association; attended the American Library Association Mid-winter meeting as member of RASD, History Section, Local History Committee; attended SALAIM Mid-winter as Rapporteur; Co-chairperson of SALAIM XXV Exhibits Committee; attended SALAIM XXV;

   Donald Farren: elected to the Library Faculty Council (service deferred to the end of half-time contract); local arrangements committee for the meeting in Albuquerque of the South Central Society for Eighteenth-Century Studies; local
arrangements committee for the meetings in Albuquerque of the Seminar on Acquisitions of Latin American Library Materials; search committee for Ibero-American cataloguing position.

Judy Pence: Chairperson of Assistant Ethnic Studies Search Committee; Chairperson of Professional Enrichments awards Committee; appointed Linguistics/Classics selector; member of Gifts Policy Committee.
July, 1979-June, 1980

Special Collections Annual Statistics

<table>
<thead>
<tr>
<th>Location</th>
<th>Additions</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Anderson Room</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Books &amp; Serials</td>
<td>725</td>
<td>6,799</td>
</tr>
<tr>
<td>Pamphlets</td>
<td>20</td>
<td>998</td>
</tr>
<tr>
<td><strong>Bell Room</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Books (total)</td>
<td>855</td>
<td>10,171</td>
</tr>
<tr>
<td><strong>Coronado Room</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Books and Serials</td>
<td>528</td>
<td>7,692</td>
</tr>
<tr>
<td>Microfilms</td>
<td>44</td>
<td>1,519</td>
</tr>
<tr>
<td><strong>Archives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collections</td>
<td>11</td>
<td>349</td>
</tr>
<tr>
<td><strong>Theses &amp; Dissertations</strong></td>
<td>215</td>
<td>7,495</td>
</tr>
</tbody>
</table>

Anderson book Circulation 4,064
Coronado patron count 5,709
Telephone References 407
Mail References 88
Number of Tours 23
(No. of People in Tours) 355
Office of Graduate Studies
Annual Report
July 1, 1979 - June 30, 1980
Bernard Spolsky, Dean of Graduate Studies

A. Significant Developments ................................. 1
   Fellowships............................................. 2
   Senate Graduate Committee.......................... 3
   Professional Activities (Dean & Associate Deans)........ 4

B. Plans and Recommendations............................... 5
   Evaluation............................................... 6
   Differential Funding.................................. 6
   Graduate Programs Off-Campus......................... 7
   Council of Graduate Deans of N.M. State Universities... 7
   Reorganization......................................... 7
   Automated Student Record System....................... 8
   Minority Recruitment.................................. 8
   Standards............................................... 8
   Graduate & Professional Education.................... 8
   Women Administrators.................................. 9

C, D, E Staff Appointments, Promotion, Separations........ 10

F. Index of Figure and Tables................................ 11

Appendix A. Report of the Center for Graduate Studies at
Los Alamos.................................................. 39

Appendix B. Report of the Center for Graduate Studies at
Santa Fe...................................................... 47

Appendix C. Report of the Graduate Student Association........ 59
A. Significant Developments.

1. During the year, the Office of Graduate Studies worked with the Senate Graduate Committee and College Graduate Committees on some of the many gaps left in the new structure of faculty authority over graduate programs, helped pilot some new and revised policies through the tortuous course of faculty approval, began to automate some of its own record-keeping procedures, lost out in two attempts to get additional external support for graduate students from underrepresented groups but was at last successful in persuading the university to institutionalize its efforts in this area, and continued to strive for the improvement of the quality of graduate education at the institution.

2. As the enclosed tables compiled by the Office of Graduate Studies show, the past year was marked by a significant increase in the number of students applying for admission to graduate programs; contrary however to the trend of recent years, either the students are considerably better qualified or else some departments have lowered the standards they apply in making offers of admission. It is to be hoped that departmental and college graduate committees will make sure that in the desire to maintain numbers, standards are not being unduly compromised. In spite of the increased number of students admitted, enrollment as a whole remains stable. The number of master's degrees continues to climb, 797
in the past year, being the highest ever. The award of 124 doctoral degrees is also an increase over last year, but not a return to the peak of 1974. Given this continued high production of doctorates at a time when there seems to be increasing difficulties in employment, it will be necessary to look very soon at the rate of success in placing these graduates. The number of graduate and teaching assistantships remains stable and there has been some increase in the number of research and project assistantships. As far as we can tell, there has been a considerable decline in money available for graduate student fellowships and grants; however, because the Office of Graduate Studies is not necessarily apprised of the existence of such fellowships, our figures may not be accurate. From the figures we have, there appears to have been a decline in the number of underrepresented minorities and women in graduate programs: Hispanics dropped from 15.8 to 14.8 percent of the total and women from 48.8 to 47.5 percent. This presumably is also related to the continuing low percentage of these students who receive assistantships or other financial aid.

3. During the past year, the University was awarded ten additional fellowships for minority graduate students under Title IX of the Higher Education Act and received an institutional grant to support recruitment activities. However, we, together with most major western universities, were shocked to learn that for the coming year we are to receive no new fellowships. While we are in distinguished company in this, it is a sign of the unfortunate political situation affecting these programs that the review process turned out in this case to be so biased. A second major blow to graduate minority recruitment was the fact that the University
I did not submit a proposal for fellowships funds from the Danforth Foundation. In spite of these disheartening developments, it is encouraging that the administration agreed to a fulltime appointment in the Office of Graduate Studies of an Assistant to the Dean responsible primarily for recruitment and retention of students from underrepresented groups. Activities in this area started about ten years ago, when the Graduate Committee set up a Committee on Minority Student Recruitment. After some years, the task became part of the work of one of the Associate Deans and finally was taken over by the Coordinator of the Graduate & Professional Opportunities Program working on external funds. The decision by the President to establish a fulltime position on regular funds is perhaps overdue but certainly a major step and an opportunity to start working on an area of vital significance to the health of the University.

4. During the year, the Faculty Senate approved the name, charge, and membership of the Senate Graduate Committee; approved a revised and expanded policy on graduate financial aid; approved modifications in the grading system for graduate students; approved a changed policy on dissertation hours; and adopted a policy defining graduate residence credit and laying down procedures for approving courses offered under various conditions. It approved (or, as the case may be, it did not find time to give final consideration) to a proposed policy on policy-making intended to clarify the role of department, college graduate committee, Senate Committee, and Faculty Senate in the process. The Senate Graduate Committee worked hard to prepare these policies and have them approved by all college graduate committees before they came to the Senate; in
addition, it handled its normal range of business.

5. During the past year, the Dean served as Chairman of the Board of Trustees of the Center for Applied Linguistics, as Secretary-Treasurer of the American Association for Applied Linguistics, as editor of Applied Linguistics, as a member of the Executive Committee of International TESOL, as a member of a team from the Western Association of Colleges that carried out the accrediting visit to the University of California at Berkeley, as Associate Director of the 1980 Linguistic Institute, and as Director of a National Endowment for the Humanities funded Seminar for College Teachers. He was on sabbatical leave for the first semester of 1979-80, during which time he held a Lady Davis Visiting Professorship at the Hebrew University of Jerusalem. With two UNM colleagues, he received a three-year grant from the National Institute of Education for a study of the sociolinguistics of literacy. Among other activities, he delivered the plenary lectures at the First International Symposium on Language Testing held by the Interuniversitare Sprachtestgruppe and at the Annual Conference of the Israel Association of Applied Linguistics. He published four articles.

Associate Dean David T. Benedetti was Acting Dean during the first semester. He represented the University at the Annual Meeting of the Council of Graduate Schools in the U.S., December 4-7, 1979, held at Orlando, Florida; at the Annual Meeting of the Western Association of Graduate Schools, March 2-4, 1980, held in Seattle, Washington; and at a meeting of the Council of Graduate Deans of New Mexico State Universities, May 8, 1980, held at Portales, New Mexico. He served on six University Committees: Senate Graduate Committee, Arts & Sciences Grad-
Associate Dean A. Charlene McDermott was on sabbatical leave at the University of California-Berkeley during the second semester where she was Visiting Professor of Philosophy from March-June, 1980. She authored a book *A Translation and Philosophical Interpretation of Boethius of Dacia's Treatise on the Modes of Signifying* published by J. Benjamins, Amsterdam, June, 1980, (265 pages), and also wrote a review of "Language in Indian Philosophy and Religion" by H. Coward, published in the *Journal of Asian Studies*, May, 1980. Her *Reader on Comparative Philosophy* has been submitted to the University of Hawaii Press and she is currently doing a translation of logical writings of Richard Campsall for publication. She served on the Executive Committees of APA and WCAAS and as Liaison Officer for SACP, Pacific Division. She gave six lectures, five during her months in California and one at the Theatre Arts Department at UNM. She served on various committees and task forces related to her work as Associate Dean of Graduate Studies, e.g. Danforth Committee, Public Advisory Search Committee, etc.

B. Plans and Recommendations.

As the Dean has submitted his resignation from the faculty of the University of New Mexico as of August 15, 1980, in order to take a Professorship at Bar-Ilan University, Israel, it is not appropriate to
list plans: recommendations may however be in place and they are perhaps better made in the first person.

Over the past six years that I have served as Dean, ten topics stand out:

1. **Evaluation.** Ten years ago, I served on a subcommittee of the Graduate Committee that proposed regular evaluation of graduate programs. As Dean, I was involved in the work of the Graduate Committee that one year made review of all programs. I am happy that one of my last duties has been to plan for the first in a series of regular academic unit reviews as now approved by the faculty and administration. Properly carried out, these reviews can provide the kind of peer judgment and information that is absolutely vital to a sound policy of academic planning. Most budgetary decisions in the past have been ad hoc and intuitive; until the academic planning process leads to university-wide priorities agreed on by faculty and administration in open discussion, any progress will be accidental. The academic unit review offers a way to provide some rational basis for the difficult decisions that will need to be made in coming years. Unfortunately, even though it has now been approved by the faculty, it has not yet been funded. I strongly recommend that funds be made available to support the process as approved by the Faculty Senate.

2. **Differential funding.** While the system is still far from perfect, it is now the case that the University receives funds in a way that recognizes the differential expenses of graduate and undergraduate education. The new policy on dissertation hours is a step towards permitting departments to make clear the real expenditure of the effort
required in good dissertation directing. I hope it will be wisely used.

3. Graduate programs off-campus. Following on many years of successful experience with the Center for Graduate Studies at Los Alamos, the University moved to establish the Center for Graduate Studies at Santa Fe and to define the conditions under which courses can be offered for graduate resident credit elsewhere. The move is an extremely important one for meeting the needs of the state. The models so far provide good opportunity for guaranteeing both standards and access, but both centers will need careful nurturing.

4. The Council for Graduate Deans of New Mexico State Universities was set up to regularize the consultation between the deans at the various institutions. This group played a significant role in a BEF study of program duplication and was instrumental in encouraging the development of the first inter-university Ph.D. program. While many would think that a state of this size would do better with a single university, it is a fact that we have six and it is essential that groups such as the Council of Graduate Deans work for inter-institutional cooperation.

5. We are still going through a major reorganization both of faculty governance and of the governance of graduate education. The three years' experience we have had with the Faculty Senate has not shown any advantages over the old system: in fact, there has been a proliferation of committees with overlapping authority and a decrease in the ability of the faculty to make its will clear and effective. In the area of graduate organization, authority has been moved in many matters to the college level but it is far from clear whether this new arrangement will,
in fact, lead to increased faculty authority and responsibility. Continued efforts will be needed.

6. Rapid increases in the possibilities of handling data have major implications for the organization of the student record system. One hopes that in the next few years an automated student record system will permit simpler monitoring of a student from the time of admission to graduation. To speed this up, we have started to use a word processor.

7. Minority recruitment. I have discussed this above: it is good that we have done as much as we have; it's sad that there is still so much to do.

8. Standards. Over the past six years, the Graduate Office has moved responsibility for student admission almost entirely to departments but taken responsibility for standards at graduation by calling attention whenever necessary to questionable or inadequate dissertations. Some of my most upsetting experiences as graduate dean have concerned poor dissertations inadequately supervised by unqualified committees. There has been some improvement, but there continue to be faculty members, departments, and a college that have standards completely different from those that I consider to be minimal. It is obviously a reasonable excuse that many of our faculty are overworked and that in any case they need to spend a great deal of time on undergraduate instruction. I cannot understand, however, how unqualified faculty members would offer, and their departmental colleagues would allow them, to direct doctoral dissertations.

9. Graduate and professional education. Looking back on some of the things I have written and said over the past six years, I now suspect
I now believe that it might have been wiser to grant to colleges full authority over professional degrees (including the professional doctorate) but insist on the maintenance of university-wide control over graduate degrees including the Ph.D. Last year, for instance, some 32 Ph.D's were awarded in Education, a good number of them for so-called research dissertations outside the academic competence of both the candidate and the committee. In fact, most of these graduates will not take research or teaching positions but, rather, professional positions within the educational establishment. They would surely have been better served by the experience described in existing policy as the dissertation for the Ed.D. There is a small group of faculty in the College of Education who themselves are active scholars and researchers, but most of the faculty are much more strongly qualified as excellent professionals capable of training others to reach the same standards. I recommend that serious thought be given to instituting the Ed.D. as the normal doctoral degree for students in the College of Education.

10. Women administrators. During my six years as dean, I have had opportunities to make five appointments as Associate Dean and three as Director of Centers for Graduate Studies. That six of these appointments have been women is evidence not just of the high administrative qualities shown by senior faculty members who are women but also to the consideration shown by other deans and senior administrators in not competing with me in the regrettably still limited pool.
A final note. The University of New Mexico is a great university to teach at: with a responsible and active faculty and strong academic leadership, it can be a great university.

C. Appointments to staff:
   Bobbe Wilson, CS II, 9/10/79
   Jasandra Judd, CS II, 10/17/79
   Lilita Meirans, CS II, 3/5/80
   Eleanor Jane Brill, CS IV, 3/31/80

D. Promotion of staff:
   Jewell E. Whitlow, CS II to CS IV, 7/1/79

E. Separations from staff:
   Bobbe Wilson, CS II, 10/5/79
   Jasandra Judd, CS II, 2/29/80
   Carl Hanson, CS IV, 3/28/80
Office of Graduate Studies
Annual Report
July 1, 1979 - June 30, 1980

TABLES AND FIGURES

Table 1  Applications and Admissions
2  Applications and Admissions by Department
3  Enrollment
4  Masters Level Enrollment
5  Doctoral Level Enrollment
6  Masters Degrees Awarded
7  Doctoral Degrees Awarded
8  Ratio of Degrees to Enrollment
9  Enrollment and Degrees
10  Assistantships - Summary
11  Graduate and Teaching Assistantships
12  Research and Project Assistantships
13  Fellowships and Grants
14  Minority Enrollment
15  Assistantships (Teaching, Graduate, Research, Project) Held by Graduate Minority Students, Women, and Non-Citizens
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Applications Distributed by Mail</td>
<td>9,836</td>
<td>8,778</td>
<td>8,197</td>
<td>6,512</td>
<td>6,121</td>
<td>-20.5%</td>
<td>-</td>
</tr>
<tr>
<td>New Applications Received</td>
<td>3,131</td>
<td>2,887</td>
<td>3,261</td>
<td>2,497</td>
<td>3,150</td>
<td>-23.4%</td>
<td>26.15%</td>
</tr>
<tr>
<td>New Admissions Offered</td>
<td>2,133</td>
<td>2,155</td>
<td>1,853</td>
<td>1,460</td>
<td>2,113</td>
<td>-21.2%</td>
<td>44.72%</td>
</tr>
<tr>
<td>Accepted and Enrolled</td>
<td>1,575</td>
<td>1,389</td>
<td>1,212</td>
<td>1,066</td>
<td>-1,323</td>
<td>-12.1%</td>
<td>24.11%</td>
</tr>
<tr>
<td>Declined, No Response</td>
<td>410</td>
<td>395</td>
<td>301</td>
<td>135</td>
<td>384</td>
<td>-55.1%</td>
<td>184.40%</td>
</tr>
<tr>
<td>Accepted but No Show</td>
<td>146</td>
<td>370</td>
<td>340</td>
<td>259</td>
<td>406</td>
<td>-23.8%</td>
<td>56.75%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of New Applicants Offered Admission</td>
<td>68.1%</td>
<td>74.6%</td>
<td>56.8%</td>
<td>58.4%</td>
<td>67.1%</td>
</tr>
<tr>
<td>Percentage of New Admissions Offered Who Accepted and Enrolled</td>
<td>64.5%</td>
<td>73.8%</td>
<td>64.4%</td>
<td>73.0%</td>
<td>62.6%</td>
</tr>
</tbody>
</table>
Table 2. Applications and Offers of Admission for Fall Semesters, 1978-79

<table>
<thead>
<tr>
<th>Graduate Unit</th>
<th>Completed Applications Fall, 1979</th>
<th>Completed Applications Fall, 1978</th>
<th>Percentage of offers of Admission Fall, 1979</th>
<th>Percentage of offers of Admission Fall, 1978</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Architecture &amp; Planning</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture &amp; Planning</td>
<td>72</td>
<td>74</td>
<td>67%</td>
<td>59%</td>
</tr>
<tr>
<td><strong>Arts &amp; Sciences</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>7</td>
<td>11</td>
<td>57%</td>
<td>64%</td>
</tr>
<tr>
<td>Anthropology</td>
<td>61</td>
<td>117</td>
<td>64%</td>
<td>20%</td>
</tr>
<tr>
<td>Biology</td>
<td>50</td>
<td>70</td>
<td>56%</td>
<td>38%</td>
</tr>
<tr>
<td>Chemistry</td>
<td>25</td>
<td>40</td>
<td>92%</td>
<td>57%</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>20</td>
<td>50</td>
<td>100%</td>
<td>58%</td>
</tr>
<tr>
<td>Comparative Literature</td>
<td>1</td>
<td>3</td>
<td>100%</td>
<td>33%</td>
</tr>
<tr>
<td>Economics</td>
<td>26</td>
<td>11</td>
<td>85%</td>
<td>27%</td>
</tr>
<tr>
<td>English</td>
<td>31</td>
<td>64</td>
<td>77%</td>
<td>62%</td>
</tr>
<tr>
<td>Geography</td>
<td>4</td>
<td>4</td>
<td>100%</td>
<td>75%</td>
</tr>
<tr>
<td>Geology</td>
<td>71</td>
<td>90</td>
<td>58%</td>
<td>50%</td>
</tr>
<tr>
<td>History</td>
<td>29</td>
<td>28</td>
<td>90%</td>
<td>57%</td>
</tr>
<tr>
<td>Ibero-American Studies</td>
<td>2</td>
<td>2</td>
<td>100%</td>
<td>50%</td>
</tr>
<tr>
<td>Latin American Studies</td>
<td>7</td>
<td>9</td>
<td>86%</td>
<td>33%</td>
</tr>
<tr>
<td>Linguistics</td>
<td>4</td>
<td>7</td>
<td>100%</td>
<td>42%</td>
</tr>
<tr>
<td>Mathematics &amp; Statistics</td>
<td>24</td>
<td>32</td>
<td>92%</td>
<td>69%</td>
</tr>
<tr>
<td>Modern &amp; Classical Languages</td>
<td>11</td>
<td>31</td>
<td>100%</td>
<td>97%</td>
</tr>
<tr>
<td>Philosophy</td>
<td>18</td>
<td>9</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Physics &amp; Astronomy</td>
<td>37</td>
<td>28</td>
<td>84%</td>
<td>71%</td>
</tr>
<tr>
<td>Political Science</td>
<td>14</td>
<td>21</td>
<td>93%</td>
<td>38%</td>
</tr>
<tr>
<td>Psychology</td>
<td>145</td>
<td>184</td>
<td>17%</td>
<td>17%</td>
</tr>
<tr>
<td>Sociology</td>
<td>10</td>
<td>10</td>
<td>90%</td>
<td>40%</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>12</td>
<td>25</td>
<td>75%</td>
<td>72%</td>
</tr>
<tr>
<td><strong>Anderson School of Management</strong></td>
<td>219</td>
<td>162</td>
<td>53%</td>
<td>87%</td>
</tr>
<tr>
<td><strong>College of Education</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td>7</td>
<td>12</td>
<td>100%</td>
<td>83%</td>
</tr>
<tr>
<td>Educational Administration</td>
<td>29</td>
<td>13</td>
<td>52%</td>
<td>62%</td>
</tr>
<tr>
<td>Educational Foundations</td>
<td>18</td>
<td>14</td>
<td>83%</td>
<td>45%</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>47</td>
<td>68</td>
<td>91%</td>
<td>88%</td>
</tr>
<tr>
<td>Guidance &amp; Counseling</td>
<td>55</td>
<td>67</td>
<td>28%</td>
<td>21%</td>
</tr>
</tbody>
</table>
Table 2. Applications and Offers of Admission for Fall Semesters, 1977-78. (continued)

<table>
<thead>
<tr>
<th>Graduate Unit</th>
<th>Completed Applications Fall, 1979</th>
<th>Completed Applications Fall, 1978</th>
<th>Percentage of Admission Fall, 1979</th>
<th>Percentage of Offers of Admission Fall, 1978</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health, Phys Educ &amp; Rec</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>10</td>
<td>11</td>
<td>90%</td>
<td>36%</td>
</tr>
<tr>
<td>Physical Education</td>
<td>36</td>
<td>42</td>
<td>89%</td>
<td>78%</td>
</tr>
<tr>
<td>Recreation</td>
<td>6</td>
<td>14</td>
<td>100%</td>
<td>78%</td>
</tr>
<tr>
<td>Home Economics</td>
<td>2</td>
<td></td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>Secondary &amp; Adult Teacher Ed</td>
<td>51</td>
<td>19</td>
<td>82%</td>
<td>58%</td>
</tr>
<tr>
<td>Special Education</td>
<td>42</td>
<td>32</td>
<td>83%</td>
<td>37%</td>
</tr>
<tr>
<td>College of Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical &amp; Nuclear Engr</td>
<td>37</td>
<td>28</td>
<td>86%</td>
<td>82%</td>
</tr>
<tr>
<td>Civil Engr</td>
<td>32</td>
<td>33</td>
<td>69%</td>
<td>30%</td>
</tr>
<tr>
<td>Computer Science</td>
<td>27</td>
<td>32</td>
<td>52%</td>
<td>50%</td>
</tr>
<tr>
<td>Electrical &amp; Computer Engr</td>
<td>64</td>
<td>38</td>
<td>86%</td>
<td>74%</td>
</tr>
<tr>
<td>Mechanical Engr</td>
<td>32</td>
<td>37</td>
<td>75%</td>
<td>73%</td>
</tr>
<tr>
<td>College of Fine Arts</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>172</td>
<td>218</td>
<td>31%</td>
<td>23%</td>
</tr>
<tr>
<td>Music &amp; Music Education</td>
<td>33</td>
<td>14</td>
<td>94%</td>
<td>71%</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>3</td>
<td></td>
<td>100%</td>
<td>--</td>
</tr>
<tr>
<td>Division of Public Administration</td>
<td>78</td>
<td>68</td>
<td>94%</td>
<td>90%</td>
</tr>
<tr>
<td>Medical Sciences Program</td>
<td>23</td>
<td>29</td>
<td>52%</td>
<td>27%</td>
</tr>
<tr>
<td>College of Nursing</td>
<td>314</td>
<td></td>
<td>54%</td>
<td></td>
</tr>
</tbody>
</table>

** Figures provided by Anderson School of Management
<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Enrollment</th>
<th>Change from Previous Year</th>
<th>Percentage Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1969-70</td>
<td>2,799</td>
<td>+ 134</td>
<td>+ 5.0%</td>
</tr>
<tr>
<td>1970-71</td>
<td>3,210</td>
<td>+ 411</td>
<td>-14.7%</td>
</tr>
<tr>
<td>1971-72</td>
<td>2,985</td>
<td>- 225</td>
<td>- 7.0%</td>
</tr>
<tr>
<td>1972-73</td>
<td>2,909</td>
<td>- 76</td>
<td>- 2.5%</td>
</tr>
<tr>
<td>1973-74</td>
<td>2,951</td>
<td>+ 42</td>
<td>+ 1.4%</td>
</tr>
<tr>
<td>1974-75</td>
<td>2,923</td>
<td>- 28</td>
<td>- 0.95%</td>
</tr>
<tr>
<td>1975-76</td>
<td>3,289</td>
<td>+ 366</td>
<td>+12.5%</td>
</tr>
<tr>
<td>1976-77</td>
<td>3,405</td>
<td>+ 116</td>
<td>+ 3.5%</td>
</tr>
<tr>
<td>1977-78</td>
<td>3,470</td>
<td>+ 65</td>
<td>+ 1.9%</td>
</tr>
<tr>
<td>1978-79</td>
<td>3,545</td>
<td>+ 75</td>
<td>+ 2.17%</td>
</tr>
<tr>
<td>1979-80</td>
<td>3,563</td>
<td>+ 18</td>
<td>+ 0.5%</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>School of Arch &amp; Plan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fall</td>
<td>Spring</td>
<td>Summer</td>
</tr>
<tr>
<td></td>
<td>88</td>
<td>75</td>
<td>13</td>
</tr>
<tr>
<td>College of Arts and Sciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>56</td>
<td>52</td>
<td>5</td>
</tr>
<tr>
<td>Biology</td>
<td>52</td>
<td>50</td>
<td>14</td>
</tr>
<tr>
<td>Chemistry</td>
<td>49</td>
<td>45</td>
<td>16</td>
</tr>
<tr>
<td>Communicative Dis</td>
<td>41</td>
<td>40</td>
<td>27</td>
</tr>
<tr>
<td>Comparative Lit</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Economics</td>
<td>34</td>
<td>32</td>
<td>13</td>
</tr>
<tr>
<td>English</td>
<td>53</td>
<td>42</td>
<td>15</td>
</tr>
<tr>
<td>Geography</td>
<td>14</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Geology</td>
<td>59</td>
<td>57</td>
<td>7</td>
</tr>
<tr>
<td>History</td>
<td>49</td>
<td>47</td>
<td>19</td>
</tr>
<tr>
<td>Language Sciences</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Latin American Stud</td>
<td>8</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics &amp; Stat</td>
<td>38</td>
<td>35</td>
<td>13</td>
</tr>
<tr>
<td>Modern Languages</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>9</td>
<td>11</td>
<td>2</td>
</tr>
<tr>
<td>Portuguese</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Spanish</td>
<td>25</td>
<td>18</td>
<td>9</td>
</tr>
<tr>
<td>Philosophy</td>
<td>22</td>
<td>20</td>
<td>2</td>
</tr>
<tr>
<td>Physics &amp; Astron</td>
<td>30</td>
<td>28</td>
<td>5</td>
</tr>
<tr>
<td>Political Science</td>
<td>11</td>
<td>11</td>
<td>6</td>
</tr>
<tr>
<td>Psychology</td>
<td>36</td>
<td>36</td>
<td>13</td>
</tr>
<tr>
<td>Sociology</td>
<td>18</td>
<td>15</td>
<td>7</td>
</tr>
<tr>
<td>Speech Comm</td>
<td>36</td>
<td>21</td>
<td>13</td>
</tr>
<tr>
<td>Anderson Graduate School of Management</td>
<td>366 385 165</td>
<td>238 234 105</td>
<td>242 262 148</td>
</tr>
</tbody>
</table>

Table 4. Masters Level Enrollment
Table 4. Masters Level Enrollment (continued)

<table>
<thead>
<tr>
<th>Colleges, Schools, Division</th>
<th>1979-80 Fall</th>
<th>Spring</th>
<th>Summer</th>
<th>1975-76 Fall</th>
<th>Spring</th>
<th>Summer</th>
<th>1976-77 Fall</th>
<th>Spring</th>
<th>Summer</th>
<th>1977-78 Fall</th>
<th>Spring</th>
<th>Summer</th>
<th>1978-79 Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Education</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td>39</td>
<td>35</td>
<td>19</td>
<td>35</td>
<td>35</td>
<td>25</td>
<td>36</td>
<td>46</td>
<td>26</td>
<td>43</td>
<td>39</td>
<td>23</td>
<td>34</td>
<td>37</td>
</tr>
<tr>
<td>Edull Administration</td>
<td>61</td>
<td>70</td>
<td>55</td>
<td>78</td>
<td>93</td>
<td>78</td>
<td>87</td>
<td>77</td>
<td>81</td>
<td>89</td>
<td>73</td>
<td>69</td>
<td>78</td>
<td>71</td>
</tr>
<tr>
<td>Edull Foundations</td>
<td>40</td>
<td>49</td>
<td>27</td>
<td>33</td>
<td>40</td>
<td>17</td>
<td>33</td>
<td>40</td>
<td>24</td>
<td>41</td>
<td>36</td>
<td>19</td>
<td>31</td>
<td>26</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>253</td>
<td>222</td>
<td>285</td>
<td>218</td>
<td>213</td>
<td>263</td>
<td>263</td>
<td>247</td>
<td>284</td>
<td>281</td>
<td>242</td>
<td>287</td>
<td>252</td>
<td>252</td>
</tr>
<tr>
<td>Guidance &amp; Counseling</td>
<td>104</td>
<td>112</td>
<td>65</td>
<td>127</td>
<td>117</td>
<td>85</td>
<td>110</td>
<td>104</td>
<td>70</td>
<td>111</td>
<td>100</td>
<td>66</td>
<td>99</td>
<td>97</td>
</tr>
<tr>
<td>Health, Phys Educ &amp; Rec</td>
<td>106</td>
<td>88</td>
<td>84</td>
<td>69</td>
<td>69</td>
<td>47</td>
<td>86</td>
<td>100</td>
<td>80</td>
<td>107</td>
<td>102</td>
<td>68</td>
<td>126</td>
<td>108</td>
</tr>
<tr>
<td>Home Economics</td>
<td>15</td>
<td>24</td>
<td>11</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Sec &amp; Adult Tchr Ed</td>
<td>160</td>
<td>157</td>
<td>152</td>
<td>215</td>
<td>202</td>
<td>183</td>
<td>199</td>
<td>184</td>
<td>197</td>
<td>197</td>
<td>190</td>
<td>151</td>
<td>192</td>
<td>163</td>
</tr>
<tr>
<td>Special Education</td>
<td>166</td>
<td>185</td>
<td>173</td>
<td>150</td>
<td>158</td>
<td>108</td>
<td>183</td>
<td>188</td>
<td>153</td>
<td>202</td>
<td>185</td>
<td>163</td>
<td>169</td>
<td>165</td>
</tr>
<tr>
<td>College of Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Engr</td>
<td>31</td>
<td>34</td>
<td>6</td>
<td>7</td>
<td>9</td>
<td>4</td>
<td>11</td>
<td>10</td>
<td>4</td>
<td>13</td>
<td>16</td>
<td>4</td>
<td>18</td>
<td>21</td>
</tr>
<tr>
<td>Civil Engr</td>
<td>35</td>
<td>40</td>
<td>12</td>
<td>42</td>
<td>40</td>
<td>7</td>
<td>43</td>
<td>42</td>
<td>12</td>
<td>45</td>
<td>46</td>
<td>13</td>
<td>32</td>
<td>41</td>
</tr>
<tr>
<td>Computer Science</td>
<td>40</td>
<td>52</td>
<td>10</td>
<td>32</td>
<td>30</td>
<td>16</td>
<td>37</td>
<td>36</td>
<td>16</td>
<td>33</td>
<td>33</td>
<td>12</td>
<td>48</td>
<td>44</td>
</tr>
<tr>
<td>Electrical &amp; Computer Engr</td>
<td>110</td>
<td>123</td>
<td>28</td>
<td>104</td>
<td>102</td>
<td>31</td>
<td>96</td>
<td>107</td>
<td>40</td>
<td>113</td>
<td>93</td>
<td>31</td>
<td>87</td>
<td>87</td>
</tr>
<tr>
<td>Mechanical Engr</td>
<td>44</td>
<td>46</td>
<td>9</td>
<td>24</td>
<td>22</td>
<td>7</td>
<td>25</td>
<td>24</td>
<td>11</td>
<td>29</td>
<td>26</td>
<td>8</td>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td>Nuclear Engr</td>
<td>5</td>
<td>28</td>
<td>4</td>
<td>30</td>
<td>22</td>
<td>4</td>
<td>24</td>
<td>22</td>
<td>8</td>
<td>23</td>
<td>23</td>
<td>4</td>
<td>18</td>
<td>24</td>
</tr>
<tr>
<td>College of Fine Arts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>42</td>
<td>40</td>
<td>11</td>
<td>29</td>
<td>29</td>
<td>11</td>
<td>21</td>
<td>27</td>
<td>13</td>
<td>28</td>
<td>35</td>
<td>10</td>
<td>37</td>
<td>34</td>
</tr>
<tr>
<td>Music Education</td>
<td>1</td>
<td>1</td>
<td>--</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>--</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>5</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>9</td>
<td>8</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>College of Nursing</td>
<td>23</td>
<td>18</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Division of Public</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>223</td>
<td>246</td>
<td>106</td>
<td>110</td>
<td>139</td>
<td>72</td>
<td>149</td>
<td>164</td>
<td>108</td>
<td>191</td>
<td>216</td>
<td>120</td>
<td>272</td>
<td>246</td>
</tr>
<tr>
<td>Medical Sciences Prog</td>
<td>30</td>
<td>29</td>
<td>5</td>
<td>10</td>
<td>13</td>
<td>7</td>
<td>21</td>
<td>22</td>
<td>9</td>
<td>30</td>
<td>36</td>
<td>13</td>
<td>32</td>
<td>37</td>
</tr>
<tr>
<td>TOTAL</td>
<td>2740</td>
<td>2736</td>
<td>1457</td>
<td>2400</td>
<td>2364</td>
<td>1315</td>
<td>2560</td>
<td>2536</td>
<td>1541</td>
<td>2722</td>
<td>2601</td>
<td>1440</td>
<td>2783</td>
<td>2612</td>
</tr>
</tbody>
</table>
## Table 5. Doctoral Level Enrollment

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>College of Arts &amp; Sciences</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>45</td>
<td>44</td>
<td>14</td>
<td>48</td>
<td>38</td>
</tr>
<tr>
<td>Anthropology</td>
<td>40</td>
<td>38</td>
<td>3</td>
<td>26</td>
<td>21</td>
</tr>
<tr>
<td>Biology</td>
<td>38</td>
<td>33</td>
<td>14</td>
<td>27</td>
<td>32</td>
</tr>
<tr>
<td>Chemistry</td>
<td>18</td>
<td>21</td>
<td>5</td>
<td>30</td>
<td>26</td>
</tr>
<tr>
<td>Economics</td>
<td>15</td>
<td>18</td>
<td>4</td>
<td>24</td>
<td>21</td>
</tr>
<tr>
<td>English</td>
<td>24</td>
<td>23</td>
<td>11</td>
<td>30</td>
<td>38</td>
</tr>
<tr>
<td>Geology</td>
<td>13</td>
<td>10</td>
<td>3</td>
<td>16</td>
<td>15</td>
</tr>
<tr>
<td>History</td>
<td>36</td>
<td>36</td>
<td>10</td>
<td>61</td>
<td>59</td>
</tr>
<tr>
<td>Ibero-American Studies</td>
<td>12</td>
<td>9</td>
<td>1</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Mathematics &amp; Stat</td>
<td>22</td>
<td>24</td>
<td>3</td>
<td>27</td>
<td>32</td>
</tr>
<tr>
<td>Romance Languages</td>
<td>43</td>
<td>41</td>
<td>11</td>
<td>39</td>
<td>53</td>
</tr>
<tr>
<td>Philosophy</td>
<td>17</td>
<td>16</td>
<td>3</td>
<td>15</td>
<td>19</td>
</tr>
<tr>
<td>Physics</td>
<td>25</td>
<td>24</td>
<td>6</td>
<td>24</td>
<td>26</td>
</tr>
<tr>
<td>Political Science</td>
<td>8</td>
<td>7</td>
<td>--</td>
<td>--</td>
<td>8</td>
</tr>
<tr>
<td>Psychology</td>
<td>20</td>
<td>19</td>
<td>6</td>
<td>43</td>
<td>20</td>
</tr>
<tr>
<td>Sociology</td>
<td>12</td>
<td>11</td>
<td>4</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Anderson School of Management</td>
<td>2</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>College of Education</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td>6</td>
<td>7</td>
<td>4</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Ed'll Administration</td>
<td>64</td>
<td>68</td>
<td>35</td>
<td>76</td>
<td>70</td>
</tr>
<tr>
<td>Ed'll Foundations</td>
<td>41</td>
<td>39</td>
<td>13</td>
<td>53</td>
<td>61</td>
</tr>
<tr>
<td>Elementary Educ</td>
<td>47</td>
<td>47</td>
<td>15</td>
<td>54</td>
<td>64</td>
</tr>
<tr>
<td>Guidance &amp; Couns</td>
<td>51</td>
<td>41</td>
<td>20</td>
<td>36</td>
<td>48</td>
</tr>
<tr>
<td>Hlth Phys Educ &amp; Rec</td>
<td>42</td>
<td>43</td>
<td>29</td>
<td>27</td>
<td>32</td>
</tr>
<tr>
<td>Sec &amp; Adult Tchr Ed</td>
<td>42</td>
<td>40</td>
<td>28</td>
<td>55</td>
<td>72</td>
</tr>
<tr>
<td>Special Education</td>
<td>40</td>
<td>41</td>
<td>24</td>
<td>30</td>
<td>36</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Colleges, Schools Division</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>College of Arts &amp; Sciences</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>45</td>
<td>44</td>
<td>14</td>
<td>48</td>
<td>38</td>
</tr>
<tr>
<td>Anthropology</td>
<td>40</td>
<td>38</td>
<td>3</td>
<td>22</td>
<td>29</td>
</tr>
<tr>
<td>Biology</td>
<td>38</td>
<td>33</td>
<td>14</td>
<td>27</td>
<td>23</td>
</tr>
<tr>
<td>Chemistry</td>
<td>18</td>
<td>21</td>
<td>5</td>
<td>30</td>
<td>26</td>
</tr>
<tr>
<td>Economics</td>
<td>15</td>
<td>18</td>
<td>4</td>
<td>24</td>
<td>21</td>
</tr>
<tr>
<td>English</td>
<td>24</td>
<td>23</td>
<td>11</td>
<td>30</td>
<td>38</td>
</tr>
<tr>
<td>Geology</td>
<td>13</td>
<td>10</td>
<td>3</td>
<td>16</td>
<td>15</td>
</tr>
<tr>
<td>History</td>
<td>36</td>
<td>36</td>
<td>10</td>
<td>61</td>
<td>59</td>
</tr>
<tr>
<td>Ibero-American Studies</td>
<td>12</td>
<td>9</td>
<td>1</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Mathematics &amp; Stat</td>
<td>22</td>
<td>24</td>
<td>3</td>
<td>27</td>
<td>32</td>
</tr>
<tr>
<td>Romance Languages</td>
<td>43</td>
<td>41</td>
<td>11</td>
<td>39</td>
<td>53</td>
</tr>
<tr>
<td>Philosophy</td>
<td>17</td>
<td>16</td>
<td>3</td>
<td>15</td>
<td>19</td>
</tr>
<tr>
<td>Physics</td>
<td>25</td>
<td>24</td>
<td>6</td>
<td>24</td>
<td>26</td>
</tr>
<tr>
<td>Political Science</td>
<td>8</td>
<td>7</td>
<td>--</td>
<td>--</td>
<td>8</td>
</tr>
<tr>
<td>Psychology</td>
<td>20</td>
<td>19</td>
<td>6</td>
<td>43</td>
<td>20</td>
</tr>
<tr>
<td>Sociology</td>
<td>12</td>
<td>11</td>
<td>4</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Anderson School of Management</td>
<td>2</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>5</td>
</tr>
<tr>
<td><strong>College of Education</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td>6</td>
<td>7</td>
<td>4</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Ed'll Administration</td>
<td>64</td>
<td>68</td>
<td>35</td>
<td>76</td>
<td>70</td>
</tr>
<tr>
<td>Ed'll Foundations</td>
<td>41</td>
<td>39</td>
<td>13</td>
<td>53</td>
<td>61</td>
</tr>
<tr>
<td>Elementary Educ</td>
<td>47</td>
<td>47</td>
<td>15</td>
<td>54</td>
<td>64</td>
</tr>
<tr>
<td>Guidance &amp; Couns</td>
<td>51</td>
<td>41</td>
<td>20</td>
<td>36</td>
<td>48</td>
</tr>
<tr>
<td>Hlth Phys Educ &amp; Rec</td>
<td>42</td>
<td>43</td>
<td>29</td>
<td>27</td>
<td>32</td>
</tr>
<tr>
<td>Sec &amp; Adult Tchr Ed</td>
<td>42</td>
<td>40</td>
<td>28</td>
<td>55</td>
<td>72</td>
</tr>
<tr>
<td>Special Education</td>
<td>40</td>
<td>41</td>
<td>24</td>
<td>30</td>
<td>36</td>
</tr>
</tbody>
</table>
Table 5. Doctoral Level Enrollment (continued)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Engr</td>
<td>7</td>
<td>8</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>--</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>5</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engr</td>
<td>10</td>
<td>11</td>
<td>5</td>
<td>11</td>
<td>14</td>
<td>1</td>
<td>15</td>
<td>12</td>
<td>1</td>
<td>10</td>
<td>14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elec &amp; Computer Engr</td>
<td>24</td>
<td>29</td>
<td>7</td>
<td>33</td>
<td>32</td>
<td>--</td>
<td>29</td>
<td>33</td>
<td>4</td>
<td>28</td>
<td>25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical Engr</td>
<td>12</td>
<td>11</td>
<td>1</td>
<td>13</td>
<td>14</td>
<td>3</td>
<td>8</td>
<td>6</td>
<td>--</td>
<td>7</td>
<td>9</td>
<td>1</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>Nuclear Engr</td>
<td>1</td>
<td>12</td>
<td>3</td>
<td>9</td>
<td>15</td>
<td>1</td>
<td>12</td>
<td>10</td>
<td>4</td>
<td>13</td>
<td>14</td>
<td>6</td>
<td>13</td>
<td>12</td>
</tr>
<tr>
<td>College of Fine Arts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>21</td>
<td>31</td>
<td>6</td>
<td>31</td>
<td>29</td>
<td>2</td>
<td>25</td>
<td>36</td>
<td>2</td>
<td>33</td>
<td>29</td>
</tr>
<tr>
<td>Music</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Medical Sciences</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program</td>
<td>17</td>
<td>16</td>
<td>1</td>
<td>22</td>
<td>15</td>
<td>5</td>
<td>14</td>
<td>10</td>
<td>3</td>
<td>11</td>
<td>12</td>
<td>3</td>
<td>12</td>
<td>11</td>
</tr>
<tr>
<td>TOTAL</td>
<td>823</td>
<td>820</td>
<td>291</td>
<td>877</td>
<td>966</td>
<td>278</td>
<td>845</td>
<td>815</td>
<td>244</td>
<td>748</td>
<td>753</td>
<td>290</td>
<td>762</td>
<td>810</td>
</tr>
</tbody>
</table>
Table 6. Master’s Degrees Awarded by Unit and by Year

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH &amp; PLAN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTS &amp; SCIENCES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>47</td>
<td>2</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>7</td>
<td>2</td>
<td>7</td>
<td>9</td>
<td>6</td>
<td>14</td>
<td>17</td>
<td>9</td>
<td>13</td>
<td>13</td>
<td>4</td>
<td>8</td>
<td>19</td>
<td>14</td>
<td>15</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>92</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>11</td>
<td>4</td>
<td>5</td>
<td>8</td>
<td>12</td>
<td>7</td>
<td>12</td>
<td>6</td>
<td>11</td>
<td>14</td>
<td>18</td>
<td>21</td>
<td>17</td>
<td>18</td>
<td>18</td>
<td>15</td>
<td>17</td>
<td>19</td>
<td>11</td>
<td>23</td>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>Chemistry</td>
<td>20</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>6</td>
<td>1</td>
<td>6</td>
<td>3</td>
<td>9</td>
<td>2</td>
<td>4</td>
<td>1</td>
<td>10</td>
<td>9</td>
<td>6</td>
<td>7</td>
<td>3</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>Comm. Dis.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comp. Lit</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>34</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>5</td>
<td>3</td>
<td>7</td>
<td>11</td>
<td>6</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>English</td>
<td>124</td>
<td>2</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>7</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>17</td>
<td>21</td>
<td>23</td>
<td>17</td>
<td>23</td>
<td>12</td>
<td>20</td>
<td>14</td>
<td>19</td>
<td>10</td>
<td>12</td>
<td>4</td>
<td>14</td>
<td>7</td>
<td>5</td>
</tr>
<tr>
<td>Geography</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>41</td>
<td>1</td>
<td>8</td>
<td>4</td>
<td>11</td>
<td>7</td>
<td>13</td>
<td>11</td>
<td>9</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>2</td>
<td>6</td>
<td>9</td>
<td>8</td>
<td>7</td>
<td>5</td>
<td>8</td>
<td>5</td>
<td>11</td>
<td>9</td>
<td>6</td>
<td>13</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>History</td>
<td>105</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>6</td>
<td>3</td>
<td>7</td>
<td>12</td>
<td>7</td>
<td>10</td>
<td>13</td>
<td>15</td>
<td>11</td>
<td>19</td>
<td>14</td>
<td>15</td>
<td>13</td>
<td>21</td>
<td>16</td>
<td>11</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Inter Amer Aff</td>
<td>22</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lat Amer Stu</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linguistics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math &amp; Stat</td>
<td>35</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>6</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>8</td>
<td>11</td>
<td>3</td>
<td>22</td>
<td>13</td>
<td>10</td>
<td>17</td>
<td>14</td>
<td>19</td>
<td>6</td>
<td>3</td>
<td>7</td>
<td>7</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>Mod &amp; Class Languages</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latin</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>5</td>
<td>3</td>
<td>9</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>French</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>99</td>
<td>4</td>
<td>7</td>
<td>6</td>
<td>5</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>5</td>
<td>9</td>
<td>12</td>
<td>10</td>
<td>16</td>
<td>6</td>
<td>15</td>
<td>8</td>
<td>12</td>
<td>7</td>
<td>7</td>
<td>4</td>
<td>6</td>
<td>3</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Portuguese</td>
<td></td>
<td>2</td>
<td>1</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

-20-
Table 6. Master's Degrees Awarded by Unit and by Year (Continued)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS &amp; SCIENCES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Physics &amp; Astr</td>
<td>24</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>8</td>
<td>12</td>
<td>14</td>
<td>13</td>
<td>10</td>
<td>6</td>
<td>8</td>
<td>10</td>
<td>7</td>
<td>12</td>
<td>9</td>
<td>11</td>
<td>6</td>
<td>9</td>
<td>11</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Political Sci</td>
<td>53</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>8</td>
<td>5</td>
<td>6</td>
<td>5</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>5</td>
<td>6</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Psychology</td>
<td>66</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>5</td>
<td>4</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>6</td>
<td>4</td>
<td>9</td>
<td>8</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td>9</td>
<td>7</td>
<td>4</td>
<td>9</td>
<td>8</td>
<td>10</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>Sociology</td>
<td>16</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>6</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speech Comm</td>
<td>7</td>
<td>2</td>
<td>5</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>7</td>
<td>11</td>
<td>12</td>
<td>11</td>
<td>14</td>
<td>21</td>
<td>18</td>
<td>11</td>
<td>7</td>
<td>5</td>
<td>19</td>
<td>12</td>
<td>14</td>
<td>11</td>
</tr>
<tr>
<td>ANDERSON SCHOOL OF MANAGEMENT</td>
<td>8</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td>5</td>
<td>4</td>
<td>9</td>
<td>8</td>
<td>28</td>
<td>30</td>
<td>20</td>
<td>25</td>
<td>29</td>
<td>27</td>
<td>28</td>
<td>52</td>
<td>52</td>
<td>45</td>
<td>47</td>
<td>46</td>
<td>91</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial Admin</td>
<td></td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>15</td>
<td>2**</td>
<td>**</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COLLEGE OF EDUC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td>28</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td>3</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>18</td>
<td>20</td>
<td>23</td>
<td>9</td>
<td>14</td>
<td>22</td>
<td>19</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Educ'l Admin</td>
<td>256</td>
<td>24</td>
<td>30</td>
<td>29</td>
<td>16</td>
<td>15</td>
<td>20</td>
<td>21</td>
<td>21</td>
<td>23</td>
<td>23</td>
<td>28</td>
<td>35</td>
<td>36</td>
<td>21</td>
<td>16</td>
<td>11</td>
<td>21</td>
<td>18</td>
<td>9</td>
<td>10</td>
<td>18</td>
<td>33</td>
<td>19</td>
<td>17</td>
<td>24</td>
</tr>
<tr>
<td>Educ'l Fdns</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elementary Educ</td>
<td>37</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>5</td>
<td>18</td>
<td>12</td>
<td>6</td>
<td>9</td>
<td>9</td>
<td>9</td>
<td>13</td>
<td>21</td>
<td>23</td>
<td>33</td>
<td>39</td>
<td>56</td>
<td>31</td>
<td>60</td>
<td>59</td>
<td>76</td>
<td>77</td>
<td>87</td>
<td>76</td>
<td>87</td>
<td>72</td>
</tr>
<tr>
<td>General Educ</td>
<td>119</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guidance &amp; Couns</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health, PhysEd &amp; Rec</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Educ</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Educ</td>
<td>20</td>
<td>7</td>
<td>2</td>
<td>1</td>
<td>6</td>
<td>8</td>
<td>6</td>
<td>4</td>
<td>8</td>
<td>11</td>
<td>10</td>
<td>8</td>
<td>12</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>12</td>
<td>18</td>
<td>14</td>
<td>13</td>
<td>13</td>
<td>8</td>
<td>11</td>
<td>22</td>
<td>11</td>
<td>17</td>
</tr>
<tr>
<td>Recreation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Home Economics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secondary Educ</td>
<td>47</td>
<td>19</td>
<td>10</td>
<td>9</td>
<td>10</td>
<td>8</td>
<td>9</td>
<td>6</td>
<td>9</td>
<td>3</td>
<td>9</td>
<td>7</td>
<td>4</td>
<td>13</td>
<td>17</td>
<td>27</td>
<td>26</td>
<td>20</td>
<td>40</td>
<td>48</td>
<td>46</td>
<td>38</td>
<td>59</td>
<td>32</td>
<td>34</td>
<td>63</td>
</tr>
<tr>
<td>M. Educ Sci</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch Bus Subj</td>
<td>2</td>
<td>4</td>
<td>11</td>
<td>4</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch English</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch Home Ec</td>
<td>4</td>
<td>6</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>5</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Commencing Fall 1976, the MA in Home Economics is awarded under the jurisdiction of the Home Economics department.
Table 6. Master's Degrees Awarded by Unit and by Year (Continued)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DIV/PROGRAM</td>
<td>thru</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch Indus Subj</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch Math</td>
<td>1</td>
<td>7</td>
<td>16</td>
<td>10</td>
<td>7</td>
<td>28</td>
<td>9</td>
<td>12</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch Science</td>
<td>8</td>
<td>6</td>
<td>10</td>
<td>21</td>
<td>9</td>
<td>14</td>
<td>16</td>
<td>8</td>
<td>8</td>
<td>1</td>
<td>6</td>
<td>3</td>
<td>7</td>
<td>8</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tch Spanish</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Educ</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COLLEGE OF ENGR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Engr</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engr Sci Mtls</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engr</td>
<td>18</td>
<td>3</td>
<td>2</td>
<td>6</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>11</td>
<td>12</td>
<td>12</td>
<td>15</td>
<td>13</td>
<td>10</td>
<td>15</td>
<td>10</td>
<td></td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Computer Engr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elec &amp; Comp Engr</td>
<td>16</td>
<td>5</td>
<td>4</td>
<td>6</td>
<td>11</td>
<td>11</td>
<td>12</td>
<td>23</td>
<td>56</td>
<td>40</td>
<td>58</td>
<td>58</td>
<td>32</td>
<td>31</td>
<td>30</td>
<td>35</td>
<td>34</td>
<td>22</td>
<td>36</td>
<td>29</td>
<td>39</td>
</tr>
<tr>
<td>Mech Engr</td>
<td>10</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>7</td>
<td>10</td>
<td>11</td>
<td>15</td>
<td>27</td>
<td>28</td>
<td>23</td>
<td>26</td>
<td>5</td>
<td>26</td>
<td>15</td>
<td>25</td>
<td>18</td>
<td>20</td>
<td>19</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Nuclear Engr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FINE ARTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>34</td>
<td>5</td>
<td>7</td>
<td>6</td>
<td>9</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>9</td>
<td>7</td>
<td>6</td>
<td>6</td>
<td>14</td>
<td>13</td>
<td>24</td>
<td>15</td>
<td>11</td>
<td>15</td>
<td>14</td>
<td>18</td>
</tr>
<tr>
<td>Music</td>
<td>23</td>
<td>1</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>5</td>
<td>7</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Music Educ</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>3</td>
<td>5</td>
<td>5</td>
<td>9</td>
<td>4</td>
<td>7</td>
<td>7</td>
<td>3</td>
<td>8</td>
<td>10</td>
<td>7</td>
<td>1</td>
<td>5</td>
<td>3</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Division of Public Admins</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medical Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COLL. OF NURSING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>1404</td>
<td>111</td>
<td>125</td>
<td>114</td>
<td>144</td>
<td>157</td>
<td>182</td>
<td>196</td>
<td>278</td>
<td>279</td>
<td>313</td>
<td>347</td>
<td>375</td>
<td>434</td>
<td>484</td>
<td>527</td>
<td>550</td>
<td>563</td>
<td>681</td>
<td>683</td>
<td>694</td>
</tr>
</tbody>
</table>

-22-
Table 7. Doctoral Degrees Awarded by Unit and Year

<table>
<thead>
<tr>
<th>DEPARTMENTS</th>
<th>ARTS &amp; SCIENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BY COLLEGES</td>
<td>1927</td>
</tr>
<tr>
<td>DIV/PROGRAM</td>
<td>thru</td>
</tr>
<tr>
<td>of degree</td>
<td>1954</td>
</tr>
<tr>
<td>55</td>
<td>56</td>
</tr>
<tr>
<td>American Studies</td>
<td>2</td>
</tr>
<tr>
<td>Anthropology</td>
<td>7</td>
</tr>
<tr>
<td>Biology</td>
<td>2</td>
</tr>
<tr>
<td>Chemistry</td>
<td>11</td>
</tr>
<tr>
<td>Economics</td>
<td>1</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Geology</td>
<td>2</td>
</tr>
<tr>
<td>History</td>
<td>13</td>
</tr>
<tr>
<td>Ibero-Amer Stu</td>
<td>1</td>
</tr>
<tr>
<td>Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>Physics</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy</td>
<td>1</td>
</tr>
<tr>
<td>Political Sci</td>
<td>2</td>
</tr>
<tr>
<td>Psychology</td>
<td>1</td>
</tr>
<tr>
<td>Romance Lang</td>
<td>6</td>
</tr>
<tr>
<td>Spanish</td>
<td>8</td>
</tr>
</tbody>
</table>

-23-
Table 7. Doctoral Degrees Awarded by Unit and by Year (continued)

| DEPARTMENTS BY COLLEGES DIV/PROGRAM | 1927 thru 1954 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 \\
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLEGE OF EDUC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C &amp; I</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>9</td>
<td>18</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>30</td>
<td>20</td>
<td>20</td>
<td>12</td>
<td>19</td>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Educ Admin</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>8</td>
<td>4</td>
<td>10</td>
<td>8</td>
<td>3</td>
<td>4</td>
<td>8</td>
<td>7</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Educ Founds</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>3</td>
<td>9</td>
<td>7</td>
<td>7</td>
<td>5</td>
<td>8</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Educ</td>
<td>3</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PPS</td>
<td></td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>5</td>
<td>2</td>
<td>4</td>
<td>5</td>
<td>14</td>
<td>9</td>
<td>22</td>
<td>6</td>
<td>17</td>
<td>15</td>
<td>8</td>
<td>10</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COLLEGE OF ENGR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Engr</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civil Engr</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elec &amp; Comp Engr</td>
<td>2</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>10</td>
<td>7</td>
<td>10</td>
<td>3</td>
<td>5</td>
<td>7</td>
<td>7</td>
<td>6</td>
<td>9</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mech Engr</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>5</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuclear Engr</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COLLEGE OF FINE ARTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Med Sci Program</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AND SCH OF MGMT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>49</td>
<td>10</td>
<td>10</td>
<td>16</td>
<td>16</td>
<td>13</td>
<td>9</td>
<td>23</td>
<td>28</td>
<td>27</td>
<td>21</td>
<td>48</td>
<td>48</td>
<td>65</td>
<td>84</td>
<td>106</td>
<td>141</td>
<td>129</td>
<td>149</td>
<td>153</td>
<td>166</td>
<td>129</td>
<td>112</td>
<td>140</td>
<td>107</td>
<td>76</td>
</tr>
<tr>
<td>MASTER OF FINE ARTS</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 8. Ratio of Degrees Awarded to Enrollment

<table>
<thead>
<tr>
<th>Course</th>
<th>MASTERS LEVEL</th>
<th>DOCTORAL LEVEL</th>
<th>MASTERS LEVEL</th>
<th>DOCTORAL LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Enrolled</td>
<td>Awarded</td>
<td>Ratio</td>
<td>Enrolled</td>
</tr>
<tr>
<td>Arch &amp; Plan</td>
<td>88</td>
<td>13</td>
<td>.147</td>
<td>84</td>
</tr>
<tr>
<td>American Studies</td>
<td>56</td>
<td>9</td>
<td>.161</td>
<td>45</td>
</tr>
<tr>
<td>Anthropology</td>
<td>52</td>
<td>12</td>
<td>.231</td>
<td>38</td>
</tr>
<tr>
<td>Biology</td>
<td>49</td>
<td>9</td>
<td>.183</td>
<td>40</td>
</tr>
<tr>
<td>Chemistry</td>
<td>41</td>
<td>16</td>
<td>.390</td>
<td>49</td>
</tr>
<tr>
<td>Comparative Lit</td>
<td>2</td>
<td>1</td>
<td>.500</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>34</td>
<td>3</td>
<td>.088</td>
<td>25</td>
</tr>
<tr>
<td>English</td>
<td>53</td>
<td>5</td>
<td>.094</td>
<td>49</td>
</tr>
<tr>
<td>Geography</td>
<td>44</td>
<td>13</td>
<td>.153</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>39</td>
<td>10</td>
<td>.169</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>49</td>
<td>11</td>
<td>.224</td>
<td></td>
</tr>
<tr>
<td>Ibero Amer Stu</td>
<td>8</td>
<td>6</td>
<td>.75</td>
<td></td>
</tr>
<tr>
<td>Latin Amer Stu</td>
<td>12</td>
<td>4</td>
<td>.333</td>
<td></td>
</tr>
<tr>
<td>Linguistics</td>
<td>12</td>
<td>2</td>
<td>.2</td>
<td></td>
</tr>
<tr>
<td>Mathematics &amp; Stat</td>
<td>38</td>
<td>5</td>
<td>.131</td>
<td></td>
</tr>
<tr>
<td>Mod Lang/Rom Lang</td>
<td>34</td>
<td>4</td>
<td>.117</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>23</td>
<td>2</td>
<td>.091</td>
<td></td>
</tr>
<tr>
<td>Physics &amp; Astr</td>
<td>30</td>
<td>5</td>
<td>.166</td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td>11</td>
<td>4</td>
<td>.363</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>36</td>
<td>8</td>
<td>.222</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>18</td>
<td>12</td>
<td>.139</td>
<td></td>
</tr>
<tr>
<td>Speech Commun</td>
<td>36</td>
<td>11</td>
<td>.305</td>
<td></td>
</tr>
<tr>
<td>And Sch of Mgmt</td>
<td>366</td>
<td>91</td>
<td>.248</td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td>39</td>
<td>12</td>
<td>.307</td>
<td></td>
</tr>
<tr>
<td>Elementary Educ</td>
<td>253</td>
<td>81</td>
<td>.320</td>
<td></td>
</tr>
<tr>
<td>Hitt, PE &amp; Rec</td>
<td>106</td>
<td>38</td>
<td>.358</td>
<td></td>
</tr>
<tr>
<td>Sec &amp; Ad Tchr Ed</td>
<td>175</td>
<td>72</td>
<td>.411</td>
<td></td>
</tr>
<tr>
<td>C &amp; I</td>
<td></td>
<td>2</td>
<td>.150</td>
<td>363</td>
</tr>
</tbody>
</table>
Table 6. Ratio of Degrees Awarded to Enrollment (continued)

<table>
<thead>
<tr>
<th></th>
<th>MASTERS LEVEL</th>
<th>DOCTORAL LEVEL</th>
<th>MASTERS LEVEL</th>
<th>DOCTORAL LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Enrolled</td>
<td>Awarded</td>
<td>Ratio</td>
<td>Enrolled</td>
</tr>
<tr>
<td>Educ'l Admins</td>
<td>61 24 .393</td>
<td>64 5 .078</td>
<td></td>
<td>78 36 .461</td>
</tr>
<tr>
<td>Educ'l Fdns</td>
<td>40 12 .30</td>
<td>41 7 .170</td>
<td></td>
<td>31 8 .298</td>
</tr>
<tr>
<td>Guidance &amp; Couns</td>
<td>104 43 .413</td>
<td>51 10 .2</td>
<td></td>
<td>99 46 .464</td>
</tr>
<tr>
<td>PPS</td>
<td>-- --</td>
<td>-- --</td>
<td></td>
<td>-- --</td>
</tr>
<tr>
<td>Special Educ</td>
<td>166 64 .385</td>
<td>40 6 .15</td>
<td></td>
<td>169 67 .396</td>
</tr>
<tr>
<td>Chem Engr</td>
<td>31 5 .161</td>
<td>7 0 --</td>
<td></td>
<td>18 3 .166</td>
</tr>
<tr>
<td>Civil Engr</td>
<td>35 20 .571</td>
<td>10 1 .1</td>
<td></td>
<td>32 15 .468</td>
</tr>
<tr>
<td>Computer Sci</td>
<td>40 10 .25</td>
<td>-- --</td>
<td></td>
<td>48 8 .190</td>
</tr>
<tr>
<td>Mechanical Engr</td>
<td>44 18 .409</td>
<td>12 0 --</td>
<td></td>
<td>39 1 .039</td>
</tr>
<tr>
<td>Nuclear Engr*</td>
<td>5 10 .2</td>
<td>1 5 --</td>
<td></td>
<td>16 10 .555</td>
</tr>
<tr>
<td>Art</td>
<td>107 31 .289</td>
<td>29 4 .137</td>
<td></td>
<td>91 13 .142</td>
</tr>
<tr>
<td>Music</td>
<td>42 8 .190</td>
<td>-- --</td>
<td></td>
<td>37 9 .243</td>
</tr>
<tr>
<td>Music Educ</td>
<td>1 2 --</td>
<td>-- --</td>
<td></td>
<td>2 1 .5</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>9 1 .111</td>
<td>-- --</td>
<td></td>
<td>5 --</td>
</tr>
<tr>
<td>Public Admins</td>
<td>223 81 .363</td>
<td>-- --</td>
<td></td>
<td>272 74 .273</td>
</tr>
<tr>
<td>Medical Sci Prg</td>
<td>30 6 .2</td>
<td>17 3 .176</td>
<td></td>
<td>32 1 .031</td>
</tr>
<tr>
<td>College of Nursing</td>
<td>23 4 .173</td>
<td>-- --</td>
<td></td>
<td>7 --</td>
</tr>
<tr>
<td>OVERALL</td>
<td>2740 797 .290</td>
<td>823 124 .151</td>
<td></td>
<td>83 91 .250</td>
</tr>
</tbody>
</table>

---
Table 9. Enrollment Table
Table 10. Graduate and Other Assistantships, 1976-80

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Assistants - Regular</td>
<td>141</td>
<td>141</td>
<td>37</td>
<td>141</td>
<td>144</td>
<td>22</td>
<td>161</td>
<td>144</td>
<td>126</td>
<td>150</td>
<td>139</td>
<td></td>
</tr>
<tr>
<td>Graduate Assistants - Special</td>
<td>48</td>
<td>56</td>
<td>0</td>
<td>22</td>
<td>34</td>
<td>0</td>
<td>29</td>
<td>35</td>
<td>19</td>
<td>39</td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistants - Regular</td>
<td>234</td>
<td>240</td>
<td>109</td>
<td>286</td>
<td>285</td>
<td>109</td>
<td>230</td>
<td>245</td>
<td>238</td>
<td>272</td>
<td>252</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistants - Special</td>
<td>71</td>
<td>69</td>
<td>0</td>
<td>32</td>
<td>55</td>
<td>0</td>
<td>66</td>
<td>67</td>
<td>55</td>
<td>87</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td>Teaching Associates</td>
<td>28</td>
<td>25</td>
<td>2</td>
<td>25</td>
<td>5</td>
<td>3</td>
<td>23</td>
<td>25</td>
<td>25</td>
<td>19</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>522</td>
<td>531</td>
<td>148</td>
<td>526</td>
<td>523</td>
<td>134</td>
<td>509</td>
<td>516</td>
<td>463</td>
<td>566</td>
<td>522</td>
<td></td>
</tr>
<tr>
<td>Research Assistants and</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Assistants</td>
<td>177</td>
<td>188</td>
<td>197</td>
<td>174</td>
<td>173</td>
<td>52</td>
<td>125</td>
<td>118</td>
<td>151</td>
<td>145</td>
<td>147</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>177</td>
<td>186</td>
<td>197</td>
<td>174</td>
<td>173</td>
<td>52</td>
<td>125</td>
<td>118</td>
<td>151</td>
<td>145</td>
<td>147</td>
<td></td>
</tr>
<tr>
<td>GRAND TOTAL</td>
<td>699</td>
<td>719</td>
<td>345</td>
<td>700</td>
<td>696</td>
<td>186</td>
<td>634</td>
<td>634</td>
<td>614</td>
<td>711</td>
<td>669</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Colleges, Schools, Division</th>
<th>Fall 1978</th>
<th>Spring 1979</th>
<th>Summer Session 1979</th>
<th>Fall 1979</th>
<th>Spring 1980</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Architecture &amp; Planning</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>College of Arts &amp; Sciences</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Anthropology</td>
<td>16</td>
<td>13</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Biology</td>
<td>39</td>
<td>40</td>
<td>34</td>
<td>43</td>
<td>42</td>
</tr>
<tr>
<td>Chemistry</td>
<td>30</td>
<td>27</td>
<td>14</td>
<td>31</td>
<td>27</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>10</td>
<td>11</td>
<td>11</td>
<td>15</td>
<td>14</td>
</tr>
<tr>
<td>Geography</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Geology</td>
<td>16</td>
<td>16</td>
<td>14</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>History</td>
<td>20</td>
<td>21</td>
<td>14</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>Ibero-American Studies</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>English</td>
<td>46</td>
<td>46</td>
<td>38</td>
<td>52</td>
<td>44</td>
</tr>
<tr>
<td>Latin American Studies</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Linguistics</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Mathematics &amp; Statistics</td>
<td>22</td>
<td>22</td>
<td>19</td>
<td>23</td>
<td>26</td>
</tr>
<tr>
<td>Modern &amp; Classical Languages</td>
<td>47</td>
<td>41</td>
<td>38</td>
<td>43</td>
<td>38</td>
</tr>
<tr>
<td>Philosophy</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Physics &amp; Astronomy</td>
<td>15</td>
<td>15</td>
<td>9</td>
<td>21</td>
<td>19</td>
</tr>
<tr>
<td>Political Science</td>
<td>7</td>
<td>7</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Psychology</td>
<td>18</td>
<td>18</td>
<td>19</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Sociology</td>
<td>7</td>
<td>7</td>
<td>5</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Total</td>
<td>309</td>
<td>300</td>
<td>246</td>
<td>327</td>
<td>314</td>
</tr>
</tbody>
</table>

Anderson School of Management

College of Education

| Art Education                             | 3         | 4           | 5                   | 4         | 3           |
| Educational Administration                | 7         | 6           | 5                   | 5         | 5           |
| Educational Foundations                   | 6         | 7           | 7                   | 8         | 10          |
| Elementary Education                      | 12        | 18          | 20                  | 8         | 14          |
| Guidance & Counseling                     | 4         | 4           | 3                   | 4         | 4           |
| Health, Phys Educ & Rec                   | 39        | 39          | 32                  | 34        | 31          |
| Home Economics                            | 2         | 2           | 2                   | 1         | 1           |
| Secondary & Adult Teacher Educ            | 6         | 6           | 7                   | 15        | 14          |
| Special Education                          | 3         | 3           | 3                   | 3         | 4           |
| Total                                     | 82        | 89          | 84                  | 82        | 86          |
Table 11. Graduate Assistants, Teaching Assistants and Teaching Associates, 1978-80 (continued)

<table>
<thead>
<tr>
<th>Colleges, Schools, Division</th>
<th>Fall 1978</th>
<th>Spring 1979</th>
<th>Summer Session 1979</th>
<th>Fall 1979</th>
<th>Spring 1980</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical and Nuclear Engr</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Civil Engr</td>
<td>7</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Computer Science</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Electrical &amp; Computer Engr</td>
<td>17</td>
<td>19</td>
<td>11</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Mechanical Engr</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td>33</td>
<td>37</td>
<td>25</td>
<td>39</td>
<td>43</td>
</tr>
<tr>
<td>College of Fine Arts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>45</td>
<td>47</td>
<td>42</td>
<td>45</td>
<td>44</td>
</tr>
<tr>
<td>Music/Music Education</td>
<td>7</td>
<td>7</td>
<td>6</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>5</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>57</td>
<td>56</td>
<td>49</td>
<td>59</td>
<td>56</td>
</tr>
<tr>
<td>Medical Sciences Program</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physiology</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>College of Nursing</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Division of Public Adminstration</td>
<td>3</td>
<td>3</td>
<td>8</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Afro-American Studies</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Chicano Studies</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>English Tutorial Program</td>
<td>10</td>
<td>11</td>
<td>8</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>Undergraduate Seminar Program</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Women Studies</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td>17</td>
<td>13</td>
<td>15</td>
<td>12</td>
</tr>
<tr>
<td>GRAND TOTAL</td>
<td>509</td>
<td>516</td>
<td>463</td>
<td>566</td>
<td>522</td>
</tr>
</tbody>
</table>
Table 12. Research Assistants and Project Assistants, 1978-80

<table>
<thead>
<tr>
<th>Colleges, Schools, Division</th>
<th>Summer Session 1979</th>
<th>Fall, 1979</th>
<th>Spring 1980</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RA's</td>
<td>PA's</td>
<td>RA's</td>
</tr>
<tr>
<td>SCHOOL OF ARCHITECTURE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>COLLEGE OF ARTS &amp; SCIENCES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Studies</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Anthropology</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Contract Archaeology</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Maxwell Museum</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Biology</td>
<td>18</td>
<td>0</td>
<td>16</td>
</tr>
<tr>
<td>Chemistry</td>
<td>22</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Comparative Literature</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Economics</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>English</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Geography</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Geology</td>
<td>25</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>Institute of Meteoritics</td>
<td>2</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Historical Review</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Ibero-American Studies</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>International Affairs</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Latin-American Studies</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Linguistics</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mathematics &amp; Statistics</td>
<td>1</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Modern &amp; Classical Languages</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Philosophy</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Physics &amp; Astronomy</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Political Science</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Psychology</td>
<td>6</td>
<td>0</td>
<td>11</td>
</tr>
<tr>
<td>Sociology</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>1</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>83</strong></td>
<td><strong>0</strong></td>
<td><strong>69</strong></td>
</tr>
<tr>
<td>ANDERSON SCHOOL OF MANAGEMENT</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>COLLEGE OF EDUCATION</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art Education</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Educational Administration</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Educational Foundation</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Guidance &amp; Counseling</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Health, Phys Educ &amp; Rec</td>
<td>0</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Home Economics</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Secondary &amp; Adult Teacher Ed</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Special Education</td>
<td>10</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>Manzanita Center</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>10</strong></td>
<td><strong>2</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>
Table 12. Research Assistants and Project Assistants, 1978-80 (continued)

<table>
<thead>
<tr>
<th>Colleges, Schools, Division</th>
<th>Summer Session</th>
<th>Fall, 1979</th>
<th>Spring 1980</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RA's</td>
<td>PA's</td>
<td>RA's</td>
</tr>
<tr>
<td><strong>COLLEGE OF ENGINEERING</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical &amp; Nuclear Engr</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Civil Engr</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Computer Science</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Electrical &amp; Computer Engr</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mechanical Engr</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Bureau of Engr Research</td>
<td>43</td>
<td>0</td>
<td>39</td>
</tr>
<tr>
<td>Civil Engr Research Facility</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>43</td>
<td>0</td>
<td>39</td>
</tr>
<tr>
<td><strong>COLLEGE OF FINE ARTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medical Sciences Program</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anatomy</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>5</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Medicine</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Microbiology</td>
<td>2</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Minority Biomedical Sc Prog</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Pathology</td>
<td>5</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Clinical Nutrition Program</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Physiology</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SOM Student Affairs</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>13</td>
<td>0</td>
<td>16</td>
</tr>
<tr>
<td><strong>Division of Public Admins</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Albuquerque Urban Observer</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Bureau of Bus &amp; Econ Res</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Research Administration</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Research Fellowship</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>School of Law</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Institute of Public Law</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Testing Division</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>University Architect</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td>149</td>
<td>2</td>
<td>142</td>
</tr>
</tbody>
</table>
Table 13. Graduate Student Fellowships & Grants, 1976-80.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Grant Amt</td>
<td>Awardees</td>
<td>Grant Amt</td>
<td>Awardees</td>
<td>Grant Amt</td>
<td>Awardees</td>
<td>Grant Amt</td>
<td>Awardees</td>
</tr>
<tr>
<td>American Association of University Women Fellowship</td>
<td>$300</td>
<td>1</td>
<td>$300</td>
<td>1</td>
<td>$300</td>
<td>1</td>
<td>$500</td>
<td>1</td>
</tr>
<tr>
<td>Association on American Indian Affairs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sequoyah Fellowship</td>
<td>1,000</td>
<td>1</td>
<td>1,200</td>
<td>1</td>
<td>1,200</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Associated Western Universities Laboratory</td>
<td>0</td>
<td>0</td>
<td>570</td>
<td>1</td>
<td>576</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>APS/UNM Internship Program</td>
<td>0</td>
<td>0</td>
<td>56,000</td>
<td>14</td>
<td>48,000</td>
<td>12</td>
<td>36,000</td>
<td>9</td>
</tr>
<tr>
<td>Department of Health, Education &amp; Welfare</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDEA Title IX-B Fellowship</td>
<td>16,000</td>
<td>2</td>
<td>8,000</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NDFL Title VI Fellowship</td>
<td>11,856</td>
<td>4</td>
<td>13,756</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>13,000</td>
<td>4</td>
</tr>
<tr>
<td>Energy Management Fellowship Program</td>
<td>56,184</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Indian Administration Program</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>55,300</td>
<td>4</td>
<td>17,550</td>
<td>3</td>
</tr>
<tr>
<td>Title VII, Bilingual Ed. Fellowship Program</td>
<td>203,143</td>
<td>38</td>
<td>194,752</td>
<td>31</td>
<td>164,175</td>
<td>26</td>
<td>9,058</td>
<td>18</td>
</tr>
<tr>
<td>Graduate &amp; Professional Opportunities Fellowship</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>32,500</td>
<td>10</td>
<td>65,000</td>
<td>20</td>
</tr>
<tr>
<td>Indian Education Fellowship</td>
<td>0</td>
<td>0</td>
<td>5,269</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Ford Foundation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Fellowship for Mexican-American and Native</td>
<td>8,933</td>
<td>12</td>
<td>8,413</td>
<td>10</td>
<td>5,715</td>
<td>7</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>National Institute of Health</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minority Biomedical Science Adv Program</td>
<td>66,300</td>
<td>15</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Fellowship</td>
<td>7,300</td>
<td>1</td>
<td>14,600</td>
<td>2</td>
<td>6,500</td>
<td>2</td>
<td>3,600</td>
<td>1</td>
</tr>
<tr>
<td>U.S. Atomic Energy Commission-ERDA</td>
<td>4,450</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>U.S. Department of Transportation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Highway Admins Fellowship</td>
<td>0</td>
<td>0</td>
<td>645</td>
<td>1</td>
<td>645</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

* Formerly NDEA Title IV Fellowship
Table 13. Graduate Student Fellowships & Grants, 1976-1980 (continued)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Grant Amt</td>
<td>Awardees</td>
<td>Grant Amt</td>
<td>Awardees</td>
<td>Grant Amt</td>
<td>Awardees</td>
<td>Grant Amt</td>
<td>Awardees</td>
</tr>
<tr>
<td>The University of New Mexico</td>
<td>$</td>
<td></td>
<td>$</td>
<td></td>
<td>$</td>
<td></td>
<td>$</td>
<td></td>
</tr>
<tr>
<td>Graduate Tuition Fellowship</td>
<td>26,033</td>
<td>63</td>
<td>34,207</td>
<td>57</td>
<td>27,565</td>
<td>60</td>
<td>27,000</td>
<td>50</td>
</tr>
<tr>
<td>Graduate Fellowship</td>
<td>0</td>
<td>0</td>
<td>3,700</td>
<td>1</td>
<td>4,100</td>
<td>1</td>
<td>8,800</td>
<td>2</td>
</tr>
<tr>
<td>Juan Montalvo Fellowship</td>
<td>500</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>American Psychological Assn</td>
<td>0</td>
<td>0</td>
<td>12,000</td>
<td>4</td>
<td>17,500</td>
<td>5</td>
<td>17,500</td>
<td>5</td>
</tr>
<tr>
<td>GRAND TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

N v1 <>J
<table>
<thead>
<tr>
<th>GRADUATE UNITS</th>
<th>BLACK AMERICANS</th>
<th>HISPANICS</th>
<th>AMERICAN INDIANS</th>
<th>TOTAL UNDERREPRESENTED MINORITIES</th>
<th>WOMEN</th>
<th>TOTAL STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCH OF ARCH &amp; PLAN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCH OF ARCH &amp; PLAN</td>
<td>0 (2) 0.0 (%)</td>
<td>5 (5) 5.7</td>
<td>1 (1) 1.1 (%)</td>
<td>6 (7) 6.6 (%)</td>
<td>22 (22) 25.0</td>
<td>88 (82)</td>
</tr>
<tr>
<td>ARTS &amp; SCIENCES</td>
<td>12 (10) 1.2 (%)</td>
<td>113 (106)</td>
<td>8 (7) 0.77 (%)</td>
<td>133 (123) 12.9 (%)</td>
<td>377 (420) 36.6</td>
<td>1029 (1065)</td>
</tr>
<tr>
<td>American Studies</td>
<td>0 (1) 0.0 (%)</td>
<td>3 (4) 6.1</td>
<td>3 (2) 6.1 (%)</td>
<td>6 (7) 12.2 (%)</td>
<td>26 (19) 53.1</td>
<td>49 (46)</td>
</tr>
<tr>
<td>Anthropology</td>
<td>0 (0) 0.0 (%)</td>
<td>4 (3) 4.2</td>
<td>1 (1) 4.2 (%)</td>
<td>5 (3) 5.2 (%)</td>
<td>47 (54) 48.9</td>
<td>96 (98)</td>
</tr>
<tr>
<td>Biology</td>
<td>0 (0) 0.0 (%)</td>
<td>7 (5) 7.8</td>
<td>0 (0) 0.0 (%)</td>
<td>7 (5) 7.8 (%)</td>
<td>27 (32) 30.0</td>
<td>90 (97)</td>
</tr>
<tr>
<td>Chemistry</td>
<td>0 (0) 0.0 (%)</td>
<td>4 (2) 6.0</td>
<td>1 (0) 1.5 (%)</td>
<td>5 (2) 7.5 (%)</td>
<td>18 (16) 26.8</td>
<td>67 (66)</td>
</tr>
<tr>
<td>Communicative Dis</td>
<td>0 (0) 0.0 (%)</td>
<td>4 (5) 9.8</td>
<td>0 (0) 0.0 (%)</td>
<td>4 (5) 9.7 (%)</td>
<td>39 (35) 96.1</td>
<td>41 (36)</td>
</tr>
<tr>
<td>Comp Literature</td>
<td>0 (0) 0.0 (%)</td>
<td>1 (0) 0.0</td>
<td>0 (0) 0.0 (%)</td>
<td>0 (0) 0.0 (%)</td>
<td>11 (9) 22.4</td>
<td>49 (31)</td>
</tr>
<tr>
<td>Economics</td>
<td>0 (0) 0.0 (%)</td>
<td>2 (1) 4.1</td>
<td>0 (0) 0.0 (%)</td>
<td>2 (1) 4.1 (%)</td>
<td>41 (42) 53.2</td>
<td>77 (77)</td>
</tr>
<tr>
<td>English</td>
<td>0 (0) 0.0 (%)</td>
<td>1 (8) 7.8</td>
<td>1 (0) 1.3 (%)</td>
<td>15 (8) 19.5 (%)</td>
<td>4 (5) 28.5</td>
<td>14 (13)</td>
</tr>
<tr>
<td>Geography</td>
<td>0 (0) 0.0 (%)</td>
<td>6 (1) 43.0</td>
<td>0 (0) 0.0 (%)</td>
<td>6 (1) 42.8 (%)</td>
<td>4 (5) 50.0</td>
<td>8 (10)</td>
</tr>
<tr>
<td>Geology</td>
<td>0 (0) 0.0 (%)</td>
<td>2 (1) 2.8</td>
<td>0 (0) 0.0 (%)</td>
<td>2 (1) 7.8 (%)</td>
<td>4 (6) 50.0</td>
<td>8 (10)</td>
</tr>
<tr>
<td>History</td>
<td>2 (1) 2.3 (%)</td>
<td>11 (13) 13.0</td>
<td>0 (1) 0.0 (%)</td>
<td>13 (15) 15.3 (%)</td>
<td>31 (29) 36.5</td>
<td>85 (84)</td>
</tr>
<tr>
<td>Ibaro Amer Studies</td>
<td>0 (0) 0.0 (%)</td>
<td>5 (2) 42.0</td>
<td>0 (0) 0.0 (%)</td>
<td>5 (2) 41.7 (%)</td>
<td>6 (4) 50.0</td>
<td>12 (8)</td>
</tr>
<tr>
<td>Latin Amer Studies</td>
<td>0 (0) 0.0 (%)</td>
<td>2 (2) 25.0</td>
<td>0 (0) 0.0 (%)</td>
<td>2 (2) 25.0 (%)</td>
<td>4 (6) 50.0</td>
<td>8 (10)</td>
</tr>
<tr>
<td>Linguistics</td>
<td>0 (0) 0.0 (%)</td>
<td>0 (0) 0.0</td>
<td>0 (0) 0.0 (%)</td>
<td>0 (0) 0.0 (%)</td>
<td>1 (10) 12.5</td>
<td>8 (15)</td>
</tr>
<tr>
<td>Math &amp; Stat</td>
<td>3 (3) 5.0 (%)</td>
<td>6 (4) 10.0</td>
<td>0 (0) 0.0 (%)</td>
<td>9 (7) 15.0 (%)</td>
<td>18 (18) 30.0</td>
<td>60 (46)</td>
</tr>
<tr>
<td>Modern &amp; Class Lang</td>
<td>0 (0) 0.0 (%)</td>
<td>22 (24) 36.0</td>
<td>0 (0) 0.0 (%)</td>
<td>22 (24) 36.1 (%)</td>
<td>33 (34) 54.1</td>
<td>61 (56)</td>
</tr>
<tr>
<td>Philosophy</td>
<td>0 (0) 0.0 (%)</td>
<td>6 (4) 15.4</td>
<td>0 (0) 0.0 (%)</td>
<td>6 (5) 15.4 (%)</td>
<td>9 (9) 23.1</td>
<td>39 (40)</td>
</tr>
<tr>
<td>Physics &amp; Astron</td>
<td>2 (2) 3.6 (%)</td>
<td>2 (2) 3.6</td>
<td>0 (0) 1.8 (%)</td>
<td>5 (4) 9.1 (%)</td>
<td>9 (7) 16.4</td>
<td>55 (47)</td>
</tr>
<tr>
<td>Political Science</td>
<td>2 (2) 6.0 (%)</td>
<td>2 (2) 5.0</td>
<td>0 (0) 0.0 (%)</td>
<td>4 (5) 11.8 (%)</td>
<td>4 (7) 11.7</td>
<td>34 (20)</td>
</tr>
<tr>
<td>Psychology</td>
<td>0 (0) 0.0 (%)</td>
<td>9 (6) 16.1</td>
<td>1 (1) 1.8 (%)</td>
<td>10 (7) 17.8 (%)</td>
<td>22 (26) 39.3</td>
<td>40 (56)</td>
</tr>
<tr>
<td>Sociology</td>
<td>0 (0) 0.0 (%)</td>
<td>7 (5) 23.0</td>
<td>0 (0) 0.0 (%)</td>
<td>7 (6) 23.3 (%)</td>
<td>19 (14) 65.3</td>
<td>30 (20)</td>
</tr>
<tr>
<td>Speech Comm</td>
<td>3 (2) 12.5 (%)</td>
<td>3 (3) 12.5</td>
<td>0 (1) 0.0 (%)</td>
<td>6 (6) 25.0 (%)</td>
<td>13 (17) 54.2</td>
<td>24 (39)</td>
</tr>
<tr>
<td>AND SCH OF MANAGMENT</td>
<td>0 (1) 0.0 (%)</td>
<td>28 (17) 7.6</td>
<td>3 (3) 0.8 (%)</td>
<td>31 (21) 8.4 (%)</td>
<td>126 (97) 34.2</td>
<td>368 (226)</td>
</tr>
<tr>
<td>COLLEGE OF EDUC</td>
<td>22 (19) 1.7 (%)</td>
<td>269 (292)</td>
<td>69 (77) 5.4 (%)</td>
<td>360 (188) 28.2 (%)</td>
<td>868 (918) 68.0</td>
<td>1277 (1360)</td>
</tr>
<tr>
<td>Art Education</td>
<td>0 (0) 0.0 (%)</td>
<td>9 (5) 20.0</td>
<td>2 (2) 4.4 (%)</td>
<td>11 (7) 24.4 (%)</td>
<td>32 (29) 71.1</td>
<td>45 (39)</td>
</tr>
<tr>
<td>Educ Admin</td>
<td>2 (0) 2.1 (%)</td>
<td>27 (36) 19.1</td>
<td>18 (24) 12.8 (%)</td>
<td>48 (60) 34.0 (%)</td>
<td>52 (55) 36.9</td>
<td>141 (134)</td>
</tr>
<tr>
<td>Educ Found</td>
<td>1 (1) 1.4 (%)</td>
<td>10 (10) 13.9</td>
<td>6 (4) 8.3 (%)</td>
<td>7 (14) 23.6 (%)</td>
<td>57 (44) 79.2</td>
<td>72 (68)</td>
</tr>
<tr>
<td>Elem Educ</td>
<td>4 (4) 1.3 (%)</td>
<td>82 (89) 27.3</td>
<td>31 (31) 10.3 (%)</td>
<td>117 (122) 39.0 (%)</td>
<td>273 (279) 91.0</td>
<td>300 (327)</td>
</tr>
<tr>
<td>Guild &amp; Couns</td>
<td>0 (0) 0.0 (%)</td>
<td>34 (39) 24.0</td>
<td>4 (5) 2.8 (%)</td>
<td>38 (14) 26.8 (%)</td>
<td>91 (86) 64.1</td>
<td>142 (135)</td>
</tr>
<tr>
<td>Hlth, Phys Ed &amp; Rec</td>
<td>7 (4) 4.7 (%)</td>
<td>14 (28) 9.5</td>
<td>3 (3) 2.0 (%)</td>
<td>24 (35) 16.2 (%)</td>
<td>80 (73) 54.0</td>
<td>148 (149)</td>
</tr>
<tr>
<td>Home Economics</td>
<td>0 (0) 0.0 (%)</td>
<td>4 (6) 23.5</td>
<td>0 (0) 0.0 (%)</td>
<td>4 (6) 23.5 (%)</td>
<td>15 (15) 88.2</td>
<td>17 (15)</td>
</tr>
<tr>
<td>GRADUATE UNITS</td>
<td>BLACK AMERICANS</td>
<td>HISPANICS</td>
<td>AMERICAN INDIANS</td>
<td>TOTAL UNDERREPRESENTED MINORITIES</td>
<td>WOMEN</td>
<td>TOTAL STUDENTS</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------------------------------</td>
<td>-------</td>
<td>----------------</td>
</tr>
<tr>
<td></td>
<td>NO.</td>
<td>% OF ENROLLED</td>
<td>NO.</td>
<td>% OF ENROLLED</td>
<td>NO.</td>
<td>% OF ENROLLED</td>
</tr>
<tr>
<td>Sec &amp; Adult Tchr Ed</td>
<td>3 (3)</td>
<td>1.6 (19.1)</td>
<td>5 (6)</td>
<td>2.6 (3.5)</td>
<td>5 (6)</td>
<td>2.6 (3.5)</td>
</tr>
<tr>
<td>Business Educ.</td>
<td>1 (1)</td>
<td>33.3 (10.0)</td>
<td>0 (3)</td>
<td>0.0 (30.0)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
</tr>
<tr>
<td>Industrial Educ.</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
</tr>
<tr>
<td>Special Education</td>
<td>3 (6)</td>
<td>1.4 (2.6)</td>
<td>48 (43)</td>
<td>22.2 (18.7)</td>
<td>0 (2)</td>
<td>0.0 (0.9)</td>
</tr>
<tr>
<td>COLLEGE OF ENGR</td>
<td>3 (2)</td>
<td>0.0 (0.8)</td>
<td>24 (23)</td>
<td>7.5 (9.1)</td>
<td>1 (1)</td>
<td>0.31 (0.4)</td>
</tr>
<tr>
<td>Chem/Engr</td>
<td>1 (0)</td>
<td>2.3 (0.0)</td>
<td>6 (5)</td>
<td>13.6 (11.1)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
</tr>
<tr>
<td>Civl Engr</td>
<td>1 (1)</td>
<td>2.2 (3.0)</td>
<td>7 (6)</td>
<td>15.5 (18.2)</td>
<td>1 (1)</td>
<td>2.2 (3.0)</td>
</tr>
<tr>
<td>Computer Science</td>
<td>0 (1)</td>
<td>0.0 (2.0)</td>
<td>3 (4)</td>
<td>7.3 (8.0)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
</tr>
<tr>
<td>Elect &amp; Comput Engr</td>
<td>1 (0)</td>
<td>0.7 (0.0)</td>
<td>8 (8)</td>
<td>6.0 (8.2)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
</tr>
<tr>
<td>Mechanical Engr</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
</tr>
<tr>
<td>COLLEGE OF FINE ARTS</td>
<td>3 (2)</td>
<td>1.6 (1.3)</td>
<td>13 (10)</td>
<td>6.9 (6.3)</td>
<td>1 (1)</td>
<td>0.5 (0.6)</td>
</tr>
<tr>
<td>Art</td>
<td>1 (1)</td>
<td>0.7 (0.9)</td>
<td>8 (7)</td>
<td>5.9 (6.3)</td>
<td>1 (1)</td>
<td>0.7 (0.9)</td>
</tr>
<tr>
<td>Music/Music Educ</td>
<td>2 (1)</td>
<td>4.8 (2.4)</td>
<td>4 (3)</td>
<td>9.5 (7.3)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
<td>1 (0)</td>
<td>11.1 (0.0)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
</tr>
<tr>
<td>Medical Sciences</td>
<td>1 (0)</td>
<td>2.1 (0.0)</td>
<td>3 (5)</td>
<td>6.4 (11.4)</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
</tr>
<tr>
<td>COLLEGE OF NURSING</td>
<td>0 (0)</td>
<td>0.0 (0.0)</td>
<td>3 (1)</td>
<td>13.0 (16.7)</td>
<td>1 (0)</td>
<td>4.3 (0.0)</td>
</tr>
<tr>
<td>Division of Public Admin.</td>
<td>12 (17)</td>
<td>5.4 (6.9)</td>
<td>69 (75)</td>
<td>30.1 (30.2)</td>
<td>8 (8)</td>
<td>3.6 (3.2)</td>
</tr>
<tr>
<td>GRAND TOTAL</td>
<td>53 (53)</td>
<td>1.5 (1.6)</td>
<td>527 (534)</td>
<td>14.8 (15.8)</td>
<td>92 (97)</td>
<td>2.6 (2.9)</td>
</tr>
</tbody>
</table>

* Figures in parentheses = Fall 1978
  Includes Gallup, Los Alamos, Santa Fe, and Main Campus
<table>
<thead>
<tr>
<th>Graduate Units</th>
<th>Blacks (U.S. Citizens)</th>
<th>Hispanics (U.S. Citizens)</th>
<th>Amer. Indians</th>
<th>Underrepresented Minorities</th>
<th>Non-Citizens</th>
<th>Asians</th>
<th>Women</th>
<th>Total Students Employed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sch of Arch &amp; Plan</td>
<td>0.0</td>
<td>1.0</td>
<td>0.0</td>
<td>1.0</td>
<td>0.0</td>
<td>0.0</td>
<td>3.0</td>
<td>20.0</td>
</tr>
<tr>
<td>Abq Urban Observ</td>
<td>0.0</td>
<td>1.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>And Sch of Mgmt</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Afro Amer Studies</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>American Studies</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Anthropology</td>
<td>0.0</td>
<td>1.0</td>
<td>7.1</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Biology</td>
<td>0.0</td>
<td>1.0</td>
<td>1.7</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Communicative Dis</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Contract Archaeol</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Economics</td>
<td>0.0</td>
<td>1.0</td>
<td>3.8</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>English</td>
<td>0.0</td>
<td>3.5</td>
<td>5.9</td>
<td>1.0</td>
<td>2.0</td>
<td>4.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>English Tutorial Pr</td>
<td>0.0</td>
<td>1.0</td>
<td>5.3</td>
<td>2.0</td>
<td>1.0</td>
<td>4.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Geography</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Geology</td>
<td>0.0</td>
<td>1.0</td>
<td>2.3</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>History</td>
<td>1.0</td>
<td>5.3</td>
<td>10.5</td>
<td>0.0</td>
<td>0.0</td>
<td>3.0</td>
<td>15.8</td>
<td>5.3</td>
</tr>
<tr>
<td>Gen Hon/Undergr Prg</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Latin Amer Projects</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Linguistics</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Native Amer Studies</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Mathematics &amp; Stat</td>
<td>2.0</td>
<td>7.7</td>
<td>1.3</td>
<td>0.0</td>
<td>3.0</td>
<td>11.5</td>
<td>4.0</td>
<td>15.4</td>
</tr>
<tr>
<td>Mod &amp; Class Lang</td>
<td>0.0</td>
<td>7.0</td>
<td>17.5</td>
<td>0.0</td>
<td>7.0</td>
<td>17.5</td>
<td>8.0</td>
<td>20.0</td>
</tr>
<tr>
<td>Philosophy</td>
<td>0.0</td>
<td>1.0</td>
<td>20.0</td>
<td>0.0</td>
<td>0.0</td>
<td>1.0</td>
<td>20.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Physics &amp; Astron</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>1.0</td>
<td>4.0</td>
<td>0.0</td>
<td>1.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Political Science</td>
<td>0.0</td>
<td>1.0</td>
<td>14.3</td>
<td>0.0</td>
<td>1.0</td>
<td>14.3</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Inst of Meteoritics</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Psychology</td>
<td>0.0</td>
<td>1.0</td>
<td>3.4</td>
<td>0.0</td>
<td>1.0</td>
<td>3.4</td>
<td>0.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Sociology</td>
<td>0.0</td>
<td>1.0</td>
<td>20.0</td>
<td>0.0</td>
<td>1.0</td>
<td>20.0</td>
<td>0.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Speech Commun</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>School of Law</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Div of InterAm Aff</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Art Education</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>
Table 15. Assistantships (Teaching, Graduate, Research, Project) Held by Graduate Minority Students, Women and Non-Citizens (Continued)

<table>
<thead>
<tr>
<th>Graduate Units</th>
<th>Blacks (U.S. Citizens)</th>
<th>Hispanics (U.S. Citizens)</th>
<th>Amer. Indians</th>
<th>Underrepresented Minorities</th>
<th>Non-Citizens</th>
<th>Asian</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed'l Admins</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>2 33.3</td>
</tr>
<tr>
<td>Ed'l Foundations</td>
<td>0 0.0</td>
<td>1 12.5</td>
<td>0 0.0</td>
<td>1 12.5</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>4 50.0</td>
</tr>
<tr>
<td>Elementary Educ</td>
<td>0 0.0</td>
<td>3 33.3</td>
<td>1 11.1</td>
<td>4 24.4</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>6 66.7</td>
</tr>
<tr>
<td>Guidance &amp; Counsel</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>2 50.0</td>
</tr>
<tr>
<td>Hith, Phys Ed &amp; Rec</td>
<td>0 0.0</td>
<td>1 2.5</td>
<td>0 0.0</td>
<td>1 2.5</td>
<td>0 0.0</td>
<td>1 2.5</td>
<td>24 60.0</td>
</tr>
<tr>
<td>Soc &amp; Adult Tchr Ed</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>13 81.2</td>
</tr>
<tr>
<td>Home Economics</td>
<td>0 0.0</td>
<td>1 100.0</td>
<td>0 0.0</td>
<td>1 100.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>1 100.0</td>
</tr>
<tr>
<td>Special Educ</td>
<td>0 0.0</td>
<td>2 15.4</td>
<td>0 0.0</td>
<td>2 15.4</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>9 69.2</td>
</tr>
<tr>
<td>Nanzanita Center</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
</tr>
<tr>
<td>Bur Bus &amp; Econ Res</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>3 75.0</td>
</tr>
<tr>
<td>Chem/Nucl Engr</td>
<td>0 0.0</td>
<td>1 25.0</td>
<td>0 0.0</td>
<td>1 25.0</td>
<td>0 0.0</td>
<td>1 25.0</td>
<td>0 0.0</td>
</tr>
<tr>
<td>Civil Engr</td>
<td>3 50.0</td>
<td>1 16.7</td>
<td>0 0.0</td>
<td>4 66.7</td>
<td>2 33.3</td>
<td>0 0.0</td>
<td>2 33.3</td>
</tr>
<tr>
<td>Computer Science</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>1 20.0</td>
<td>0 0.0</td>
<td>2 40.0</td>
</tr>
<tr>
<td>Elec &amp; Comp Engr</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>2 11.1</td>
<td>10 55.5</td>
<td>0 0.0</td>
</tr>
<tr>
<td>Mechanical Engr</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>3 50.0</td>
<td>3 50.0</td>
<td>0 0.0</td>
</tr>
<tr>
<td>Bur Engr Res</td>
<td>1 2.4</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>1 2.4</td>
<td>10 24.4</td>
<td>20 48.9</td>
<td>2 4.9</td>
</tr>
<tr>
<td>Civil Engr Res Fac Art</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>2 66.6</td>
<td>2 66.6</td>
<td>2 66.6</td>
</tr>
<tr>
<td>Music/Music Educ</td>
<td>0 0.0</td>
<td>1 10.0</td>
<td>0 0.0</td>
<td>1 10.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>5 50.0</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>1 33.3</td>
</tr>
<tr>
<td>Testing Center</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
</tr>
<tr>
<td>Univ Architect</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
</tr>
<tr>
<td>Women Studies</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>2 100.0</td>
</tr>
<tr>
<td>Public Admins</td>
<td>0 0.0</td>
<td>2 40.0</td>
<td>0 0.0</td>
<td>2 40.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>5 100.0</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>2 33.3</td>
</tr>
<tr>
<td>Medicine</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
</tr>
<tr>
<td>Microbiology</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
</tr>
<tr>
<td>Pathology</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>2 40.0</td>
</tr>
<tr>
<td>Clinical Nutr Lab</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>1 20.0</td>
<td>1 20.0</td>
</tr>
<tr>
<td>Physiology</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
</tr>
<tr>
<td>College of Nursing</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>2 100.0</td>
<td>2 0.0</td>
</tr>
<tr>
<td>Offc Res &amp; Foll Svs</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
</tr>
<tr>
<td>Instl Res</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>0 0.0</td>
<td>1 100.0</td>
</tr>
</tbody>
</table>

TOTAL: 9 1.2 | 36 4.9 | 3 0.4 | 48 6.5 | 52 7.0 | 53 7.2 | 297 40.2 | 739
I HIGHLIGHTS

The results of the past three years' efforts to offer academic programs of interest to the technical divisions were evident with the largest graduating class of 22 this year. (Last year was the second largest with 19 in the graduating class.) With approximately thirty students nearing completion of their degree requirements (B.S., M.S., M.B.A., Ph.D.), the next year's graduating class should set another record. Two important reasons which contributed to this performance are:

(1) close interaction with the lab's programmatic divisions and
(2) effective student advisement and academic offerings.

II POLICIES AND DIRECTIONS

Discussions with the Campus Departmental Faculty and the LASL programmatic leadership have concerned the development of three multidisciplinary concentrations. These are:

(a) Master's level program in Energy Policy/Administration
(b) Master's level program in Optoelectronics/Laser Physics
(c) Master's level program in Materials Science/Radiation Effects.
The plan calls for offering introductory representative courses in these areas during the Fall of 1980. To this effect, Dr. Edward Hammel, retired Assistant Director for Energy Programs will be given a UNM Visiting appointment to help develop the Energy Program. This is very much in concert with one of two strong suggestions by Dr. Edward Teller.

In accordance with the newly developed UNM policies, the Dean of Graduate Studies conducted for the first time an administrative evaluation of the Graduate Center operations under the present director. Based on the responses from LASL programmatic leadership and scientists who the Grad Center serves and the UNM faculty, the Graduate Dean reappointed the present director for another term beginning July 1, 1980. This evaluation process, however, indicated desirability of a thorough review of external pressures which could affect the integrity and quality of the UNM graduate program. This analysis would be of great assistance to the Faculty Senate which has already scheduled an academic audit for our center in 1981. Other matters such as availability of appropriate facilities (computing, electronics, library, etc.) as well as support staff deserve attention at this time. At the very least, these facilities should be modestly comparable to the newly installed undergraduate branch college in Los Alamos.

III RESEARCH

The trend set last year for publishing research results was continued this year at the national and international scene. The following publications/presentations were carried
out under the sponsorship of the Graduate Center.

(1) "The Space Shuttle - A Cosmic Perspective", J.A. Angelo, Jr.
paper presented at the XXXth Congress of the International Astronautical Federation held in Munich, W. Germany September 12-16, 1979.


IV INSTRUCTIONAL STATISTICS

The customary tables I, II and III indicate the enrollment and cost figures. 1166 formal class sessions were conducted by 23 UNM faculty and 33 adjunct faculty. In addition, 42 courses involving dissertation, research and individual problems were also conducted by 40 faculty members. Last year, the actual cost per hour of instruction to a single student under this contract (excluding tuition, Ross Airline, classroom and LASL support) was $6.04. With the inclusion of tuition, Ross Airline, classroom and LASL support the total is estimated to be $9.09/hour/student.
And finally, the following LASL employees availed themselves of the year round presence of the director and his multidisciplinary background in conducting research in the areas of Electrical and Computer Engineering, Laser Physics, Molecular Chemistry, Numerical Techniques, etc.

(1) Ph.D. Dissertation -
"A State Space Formulation Applied to Safety, Reliability, and Risk Analysis for a Nuclear Reactor System" by Mr. Robert J. Bartholomew ("Q" Division)

(2) Ph.D. Dissertation -
"A CAMAC based LSI-11/2 controlled Real Time on Line Reactivity Meter (System)" by Mr. R.David Sachs ("MP" Division)

(3) Masters Thesis
"A Parametric Study of Gain, Output Energy and Power of Gemini Laser (CAMAC Modules)" Mr. Stephen Hackenberry ("L" Division)

(4) Masters Thesis
"Subcellular and Macromolecular Geometry Measurements by Small-Angle Neutron Scattering" by Dr. Philip Anthony Seeger ("MP" Division)

(5) Research and Individual Problems and Master's Comprehensive Examinations:
Mr. Donald Willerton ("C"Division) M.S. Final
Mr. John W. Scheer ("E"Division) M.S. Final
Mr. James G. Newell ("WX"Division) Design Problem
(5) Research and Individual Problems and Master's Comprehensive Examinations: continued.

Mr. Wayne P. Fox ("WX" Division) Materials under High Strain

Mr. Charles R. Tallman ("AP" Division) Excimer Laser Design

Mr. Nicholas J. Levinos ("AP" Division) High Gain Three Electrode CO₂ Laser.
### Table I - Annual Statistics

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Seminars</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dissertation (Ph.D.)</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Thesis</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Problems (Indiv. Study)</td>
<td>9</td>
<td>19</td>
<td>20</td>
<td>17</td>
</tr>
<tr>
<td>Graduate Courses</td>
<td>162</td>
<td>294</td>
<td>161</td>
<td>164</td>
</tr>
<tr>
<td>Undergraduate Courses (Junior &amp; Senior level)</td>
<td>183</td>
<td>98</td>
<td>242</td>
<td>210</td>
</tr>
<tr>
<td>Semester Totals</td>
<td>360</td>
<td>418</td>
<td>435</td>
<td>401</td>
</tr>
<tr>
<td>Yearly Totals</td>
<td>622</td>
<td>709</td>
<td>801</td>
<td>774</td>
</tr>
<tr>
<td><strong>Credit Hours</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yearly Totals</td>
<td>987</td>
<td>1228</td>
<td>1315</td>
<td>1180</td>
</tr>
<tr>
<td><strong>Individuals Enrolled</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yearly Totals</td>
<td>274</td>
<td>304</td>
<td>342</td>
<td>310</td>
</tr>
<tr>
<td>Cost paid UNM: Academic (Fiscal Year)</td>
<td>80775</td>
<td>86049</td>
<td>103013</td>
<td>120847</td>
</tr>
<tr>
<td>Cost Per Credit Hours: Academic (Fiscal Year)</td>
<td>81.04</td>
<td>70.07</td>
<td>78.34</td>
<td>102.49</td>
</tr>
<tr>
<td>Number of Courses - Offered</td>
<td>26</td>
<td>23</td>
<td>30</td>
<td>26</td>
</tr>
<tr>
<td>Number of Courses - Given</td>
<td>25</td>
<td>21</td>
<td>26</td>
<td>25</td>
</tr>
<tr>
<td>Average Course Enrollment</td>
<td>14.3</td>
<td>12.5</td>
<td>16.0</td>
<td>15.0</td>
</tr>
</tbody>
</table>

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

**These figures are for the fall and spring semester only, and do not include registrations during the summer Session or in Dissertation, Thesis, or Problems.
Table II - Enrollment Profile

Enrollment in Student Credit Hours (SCCH)

-7-

-45-
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.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A. Biology</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>or Chemistry</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>B.S. Engineering:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical &amp; Computer Engineering</td>
<td>8</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td></td>
<td>21</td>
</tr>
<tr>
<td>Mechanical</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Math &amp; Statistics</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>Physics</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>University Studies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>H.R.A. Business Administration</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H.R.A. Chemistry</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or Engineering: H.S.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical &amp; Nuclear Engineering</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>51</td>
</tr>
<tr>
<td>Computer Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical &amp; Computer Engineering</td>
<td>27</td>
<td>9</td>
<td>8</td>
<td>2</td>
<td>7</td>
<td>6</td>
<td>3</td>
<td></td>
<td>67</td>
</tr>
<tr>
<td>Mechanical</td>
<td>18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>Engr. Sci of Materials</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>Math &amp; Statistics</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Medical Science (Physiology)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>28</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>31</td>
</tr>
<tr>
<td>Ph.D. Chemistry</td>
<td>18</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>Engineering:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical &amp; Computer Engineering</td>
<td>3</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Mechanical</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Nuclear</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Math &amp; Statistics</td>
<td>2</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Physics</td>
<td>14</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>18</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td>214</td>
<td>16</td>
<td>12</td>
<td>5</td>
<td>14</td>
<td>15</td>
<td>19</td>
<td>22</td>
<td>317</td>
</tr>
</tbody>
</table>

The numbers in parentheses represent the total field participants.
THE UNIVERSITY OF NEW MEXICO CENTER
FOR GRADUATE STUDIES AT SANTA FE

ANNUAL REPORT
July 1, 1979 - June 30, 1980

Henry J. Pepe
Acting Director
The Santa Fe Graduate Center has continued to grow in enrollment and course offerings during the past year, indicating it has become an integral part of the educational community of the Santa Fe and North-Central part of the State. The following is a summary of the development of the Center during the 1979-80 year.

**Center Staff:**

Dr. Henry Pepe, Associate Professor in Special Education, was appointed Acting Director of the Center in August of 1979, replacing Dr. Alan Reed. He will continue in that capacity through the 1980 Summer School Session. Dr. Vera John-Steiner, Professor, Department of Educational Foundations, was recently appointed as the Director and will assume the responsibility of the Center for the 1980-81 academic year beginning August, 1980.

Mrs. Marie Peterson, administrative assistant at the Graduate Center resigned effective May 30, 1980. She was replaced by Mrs. Anne Burrage. Mrs. Burrage has been part-time receptionist at the Center for two years and is well aware of all Center procedures and activities. She has the ability and knowledge of the Center that is needed to provide the continuity necessary in the interim period of change of directorship of the Center. At this time the Center is in the process of replacing the half-time receptionist. There does not appear to be a need for any additional staff at this time.

**Administrative Procedures:**

The administrative procedures, established by Dr. Alan Reed, director of the Center since its conception continues to work very well. Procedures for enrollment, scheduling of classroom space at the College of Santa Fe, UNM departmental program offerings, faculty assignments, faculty contracts, etc., are well established. The main administration on the central campus has assisted greatly to assure an efficient and effective operation of the Graduate Center at Santa Fe.
Enrollment:

Enrollment at the Santa Fe Graduate Center has continued to increase during the 1979-80 year. There was an increase of registrations of approximately 31% from the 1978-79 year to the 1979-80 year. Table I shows the continued increase of the Graduate Center enrollment since it began in 1975. Table I also shows the ethnic breakdown and male/female ratio of students enrolled at the Graduate Center for the 1979-80 year. It should be noted that the increase in enrollment has been due primarily to the increase of course offerings during the past years. Because of budget limitations, there will be little or no increase in course offerings during the next academic year. Although an increase is anticipated because of the stability of program offerings, it will not be nearly as significant as it was in the past.

Program Development:

Total course offerings increased from thirty-two in the 1978-79 academic year to forty-six in the 1979-80 academic year (44% increase). As mentioned previously, budget limitations do not allow for similar growth for next year. Consequently, program planning for the 1980-81 year reflects maintenance scheduling with emphasis on improvement of present program offerings. A general discussion of the total program is not meaningful, due to the wide variations of departmental offerings and credit hour productions. Therefore each department will be discussed separately. It should be noted that programming and anticipated projected revenue is based on a projection of twenty students per class, which should be considered in Tables II, III and IV. The following is this Director's comments regarding each department offering courses through the Graduate Center.

(1) Public Administration: P.A. has continued to be the strongest department at the Graduate Center, both in course offerings and student enrollment. It supports or covers the offering of other courses
with lower enrollment. During the past year, P.A. had a mean enrollment of twenty-seven students in the ten classes offered.

(2) Guidance and Counseling: G&C has been consistent in course offerings at the Graduate Center, offering two courses per academic semester and one during the summer (average of fifteen students per class). There has been protest by students because of the difficulty of being admitted to the department. Dr. Anderson, Chairman, has proposed a total program of studies through the Graduate Center, with separate admittance procedures. A questionnaire indicated 25-30 students interested in this program. This will be pursued further this summer, with anticipation of this program becoming a productive part of the Center's total program.

(3) Secondary and Adult Teacher Education: SATE has indicated a desire to provide a comprehensive program through the Graduate Center. Enrollment in Secondary Ed. classes appears to be consistent (20 per class for five classes). The classes in Adult Ed. are questionable (7 in fall class; spring class cancelled because of low enrollment). The department would not offer courses this summer with an adjunct professor because it would not receive replacement funds. This should be negotiated prior to more course offerings. Reading courses for teacher certification are needed.

(4) Special Education: Sp. Ed. has offered a comprehensive program in learning disabilities. Enrollment has been consistent (average enrollment 22 for 7 classes). The department has projected to offer the core classes in the M.A. program in the future (24 hours). Students will have to take 9-12 hours on the main campus to complete
their degrees. It is anticipated that this program will continue to be productive to the Graduate Center.

(5) **History:** The History Department has for several years offered one class per semester. The same classes have been offered several times, which probably has affected enrollment (13 per class during the 1979-80 year). The department has expressed an interest in more course offerings and this should be pursued.

(6) **Educational Foundations:** Ed. Fdns. offered a research class in the summer and spring semesters. The summer course had a much higher enrollment (24) than the spring (8). More and different course offerings from this department should be pursued.

(7) **Educational Administration:** Two courses in administration were offered this year. Enrollment in both classes were adequate (21 and 24). There is an expressed interest and need in the Santa Fe area for a more comprehensive program in Ed. Adm. It is recommended that this area of educational programs be given priority for program expansion if the department has the capacity to do so.

(8) **Political Science:** This department has not offered courses on a continuous basis at the Center. There does not appear to be enough data to comment on future development of a program in this area.

(9) **Speech Communications:** This department offered a course during the fall and spring semesters. Enrollment has been poor (7 in fall, 3 in spring), and past enrollment is similar. It is questionable whether this program should continue without more promotion or investigation into the need within the Santa Fe area. This has been discussed with the department chairman. He was informed of the
possibilities of classes being cancelled if enrollment continued at the present rate.

(10) Anderson Graduate School of Management: AGSM has offered four classes during the past year. Enrollment has not been successful (7 per class). A concerted effort to revitalize this program was undertaken this year:

a. discussion with the Dean of AGSM, Associate Provost for Community Affairs, and this Director;

b. special notice of the attempt to offer a comprehensive program in the fall/spring schedule;

c. advertisement of the program through the Santa Fe Chamber of Commerce; and

d. a special brochure printed and distributed by AGSM.

There has been little or no reaction from the community. Dr. Champoux informed this office that, because of the lack of interest, no courses from AGSM would be offered through the Graduate Center in the 1980-81 academic year.

(11) Civil Engineering: One course offered in the fall 1979 semester (enrollment of 3). One course during the spring semester cancelled because of similar enrollment. Civil Engineering expressed interest in starting a program this fall in Structural Engineering. Because of limited budget and past enrollment it was not approved by this Director.

(12) Sociology: This department expressed an interest in program development through the Graduate Center. A course was offered in the
spring semester but cancelled (no enrollments), possibly due to poor promotion. There is an expressed interest in this area as indicated by a study completed by Dr. Reed during the 1978-79 academic year. It is felt this area should be pursued further.

(13) Elementary Education: El. Ed. has not offered courses through the Graduate Center for the past two years. There is a definite need for courses in this area, specifically the reading courses needed by elementary teachers for recertification by 1982. One course, "Diagnostic and Prescriptive Reading" will be offered during the 1980 summer session, and will fill with a maximum of thirty students. Course offerings during the year should be explored with the new chairman of the department.

Class Schedule - 1980-81 Academic Year:

Nine classes have been scheduled for the 1980 summer session. In addition, seventeen classes have been scheduled for the fall '80 semester and seventeen classes have been tentatively scheduled for the spring '81 semester. All classes scheduled are with departments that have present programs at the Graduate Center. This is a minimal decrease (three classes) from this year, which should allow the director some latitude to explore the inclusion of two to three new classes during the year, and also to negotiate with departments on schedule revisions for the spring semester, dependent upon enrollment.

Recommendations:

(1) The College of Santa Fe has continuously expressed a need for library support from UNM to support the programs through the Graduate Center. This was pursued to some degree, with no success. It is recommended that this matter be investigated further to maintain the good relationship that exists with the College of Santa Fe.
(2) Budget limitations for the next year dictates an increase projected revenue through greater class enrollments. (Projected revenue for the 1980-81 year is estimated using a minimum of twenty students per class.) In order to maintain this level, consideration should be given to a policy to cancelling classes with enrollment below a certain level (6 to 10 students).

Henry J. Pepe, Ed.D.
Acting Director
Santa Fe Graduate Center
# TABLE I

## SANTA FE GRADUATE CENTER ENROLLMENT

<table>
<thead>
<tr>
<th>Semester</th>
<th>Students</th>
<th>Returning</th>
<th>New</th>
<th>Degree</th>
<th>Non-Degree</th>
<th>Credit Hours</th>
<th>Registrations</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer '75</td>
<td>47</td>
<td>0</td>
<td>47</td>
<td>18</td>
<td>29</td>
<td>141</td>
<td>47</td>
<td>1</td>
</tr>
<tr>
<td>Fall '75</td>
<td>95</td>
<td>24</td>
<td>71</td>
<td>31</td>
<td>64</td>
<td>357</td>
<td>119</td>
<td>5</td>
</tr>
<tr>
<td>Spring '75</td>
<td>141</td>
<td>55</td>
<td>86</td>
<td>40</td>
<td>101</td>
<td>501</td>
<td>167</td>
<td>8</td>
</tr>
<tr>
<td>Summer '76</td>
<td>42</td>
<td>19</td>
<td>23</td>
<td>15</td>
<td>27</td>
<td>126</td>
<td>42</td>
<td>2</td>
</tr>
<tr>
<td>Fall '76</td>
<td>179</td>
<td>76</td>
<td>103</td>
<td>68</td>
<td>111</td>
<td>618</td>
<td>206</td>
<td>11</td>
</tr>
<tr>
<td>Spring '76</td>
<td>211</td>
<td>78</td>
<td>133</td>
<td>65</td>
<td>146</td>
<td>768</td>
<td>256</td>
<td>11</td>
</tr>
<tr>
<td>Summer '77</td>
<td>113</td>
<td>40</td>
<td>73</td>
<td>31</td>
<td>82</td>
<td>360</td>
<td>120</td>
<td>4</td>
</tr>
<tr>
<td>Fall '77</td>
<td>157</td>
<td>77</td>
<td>80</td>
<td>65</td>
<td>92</td>
<td>630</td>
<td>210</td>
<td>8</td>
</tr>
<tr>
<td>Spring '78</td>
<td>159</td>
<td>94</td>
<td>65</td>
<td>79</td>
<td>80</td>
<td>603</td>
<td>201</td>
<td>9</td>
</tr>
<tr>
<td>Summer '78</td>
<td>103</td>
<td>66</td>
<td>37</td>
<td>45</td>
<td>58</td>
<td>342</td>
<td>114</td>
<td>8</td>
</tr>
<tr>
<td>Fall '78</td>
<td>201</td>
<td>83</td>
<td>118</td>
<td>67</td>
<td>134</td>
<td>720</td>
<td>240</td>
<td>10</td>
</tr>
<tr>
<td>Spring '79</td>
<td>226</td>
<td>117</td>
<td>109</td>
<td>94</td>
<td>132</td>
<td>834</td>
<td>278</td>
<td>14</td>
</tr>
<tr>
<td>Summer '79</td>
<td>165</td>
<td>96</td>
<td>69</td>
<td>54</td>
<td>111</td>
<td>621</td>
<td>207</td>
<td>10</td>
</tr>
<tr>
<td>Fall '79</td>
<td>230</td>
<td>115</td>
<td>115</td>
<td>97</td>
<td>133</td>
<td>918</td>
<td>306</td>
<td>18</td>
</tr>
<tr>
<td>Spring '80</td>
<td>245</td>
<td>159</td>
<td>86</td>
<td>91</td>
<td>154</td>
<td>936</td>
<td>312</td>
<td>18</td>
</tr>
<tr>
<td>Totals</td>
<td>2,314</td>
<td>1,099</td>
<td>1,215</td>
<td>860</td>
<td>1,416</td>
<td>8,475</td>
<td>2,825</td>
<td>165</td>
</tr>
</tbody>
</table>

### Ethnic and Male/Female Breakdown - 1979-80 Academic Year.

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Oriental</th>
<th>Indian</th>
<th>Hispanic</th>
<th>Black</th>
<th>Caucasian</th>
<th>M - F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer 1979</td>
<td>0</td>
<td>3</td>
<td>51</td>
<td>1</td>
<td>110</td>
<td>50 115</td>
</tr>
<tr>
<td>Fall 1979</td>
<td>1</td>
<td>6</td>
<td>61</td>
<td>4</td>
<td>158</td>
<td>97 133</td>
</tr>
<tr>
<td>Spring 1980</td>
<td>0</td>
<td>6</td>
<td>67</td>
<td>2</td>
<td>170</td>
<td>102 143</td>
</tr>
</tbody>
</table>
## TABLE II

CENTER FOR GRADUATE STUDIES AT SANTA FE

Summer Session 1979

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE NAME</th>
<th>NO. OF STUDENTS</th>
<th>CREDIT HOURS</th>
<th>TOTAL STUDENT CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 540</td>
<td>State and Local Administration</td>
<td>22</td>
<td>3</td>
<td>66</td>
</tr>
<tr>
<td>PA 545</td>
<td>Budget Process</td>
<td>9</td>
<td>3</td>
<td>27</td>
</tr>
<tr>
<td>AGSM 563</td>
<td>Human Resources Management: Theory and Application</td>
<td>7</td>
<td>3</td>
<td>21</td>
</tr>
<tr>
<td>Hist. 360</td>
<td>History of New Mexico</td>
<td>14</td>
<td>3</td>
<td>42</td>
</tr>
<tr>
<td>Hist. 396</td>
<td>Spain and Portugal since 1700</td>
<td>11</td>
<td>3</td>
<td>33</td>
</tr>
<tr>
<td>Ed. Fdns. 500</td>
<td>Research Applications to Education</td>
<td>24</td>
<td>3</td>
<td>72</td>
</tr>
<tr>
<td>G&amp;G 513</td>
<td>Socio-Economic Information Counseling</td>
<td>20</td>
<td>3</td>
<td>60</td>
</tr>
<tr>
<td>SATE 538</td>
<td>Teaching Reading through the Content Fields</td>
<td>49</td>
<td>3</td>
<td>147</td>
</tr>
<tr>
<td>Sp. Ed. 408</td>
<td>Special Education in the Regular Classroom</td>
<td>35</td>
<td>3</td>
<td>105</td>
</tr>
<tr>
<td>Sp. Ed. 564</td>
<td>Administration and Use of Diagnostic Tests in Special Education</td>
<td>16</td>
<td>3</td>
<td>48</td>
</tr>
</tbody>
</table>

- 207
- 621
TABLE III
CENTER FOR GRADUATE STUDIES AT SANTA FE
Fall Semester 1979

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE NAME</th>
<th>NO. OF STUDENTS</th>
<th>CREDIT HOURS</th>
<th>TOTAL STUDENT CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 500</td>
<td>Issues in Contemporary Public Administration</td>
<td>31</td>
<td>3</td>
<td>93</td>
</tr>
<tr>
<td>PA 530</td>
<td>Public Health Administration</td>
<td>32</td>
<td>3</td>
<td>96</td>
</tr>
<tr>
<td>PA 575</td>
<td>Seminar on Energy Administration</td>
<td>37</td>
<td>3</td>
<td>111</td>
</tr>
<tr>
<td>PA 597</td>
<td>Research Methodology</td>
<td>21</td>
<td>3</td>
<td>63</td>
</tr>
<tr>
<td>Pol.Sci. 410</td>
<td>Public Policy Analysis</td>
<td>8</td>
<td>3</td>
<td>24</td>
</tr>
<tr>
<td>AGSN 526</td>
<td>Financial Management</td>
<td>7</td>
<td>3</td>
<td>21</td>
</tr>
<tr>
<td>AGSN 528</td>
<td>International Management</td>
<td>13</td>
<td>3</td>
<td>39</td>
</tr>
<tr>
<td>CE 482</td>
<td>Traffic Engineering</td>
<td>3</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>Hist. 370</td>
<td>History of New Mexico</td>
<td>11</td>
<td>3</td>
<td>33</td>
</tr>
<tr>
<td>Sp.Com. 527</td>
<td>Seminar in Persuasion</td>
<td>7</td>
<td>3</td>
<td>21</td>
</tr>
<tr>
<td>G&amp;C 518</td>
<td>Theories of Counseling</td>
<td>18</td>
<td>3</td>
<td>54</td>
</tr>
<tr>
<td>G&amp;C 540</td>
<td>Counseling in the Elementary School</td>
<td>10</td>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>SATE 493</td>
<td>Survey of Adult Education</td>
<td>7</td>
<td>3</td>
<td>21</td>
</tr>
<tr>
<td>SATE 538</td>
<td>Reading in the Content Area</td>
<td>20</td>
<td>3</td>
<td>60</td>
</tr>
<tr>
<td>SATE 542</td>
<td>Principles of Curriculum Development</td>
<td>12</td>
<td>3</td>
<td>36</td>
</tr>
<tr>
<td>Sp. Ed. 593</td>
<td>Topics: Applied Behavioral Analysis</td>
<td>29</td>
<td>3</td>
<td>87</td>
</tr>
<tr>
<td>Sp. Ed. 593</td>
<td>Topics: Psychology &amp; Education of Exceptional Persons</td>
<td>19</td>
<td>3</td>
<td>57</td>
</tr>
<tr>
<td>Ed. Admin. 509</td>
<td>Introduction to Educational Administration</td>
<td>24</td>
<td>3</td>
<td>72</td>
</tr>
</tbody>
</table>

306  918
**TABLE IV**
CENTER FOR GRADUATE STUDIES AT SANTA FE

Spring Semester 1980

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE NAME</th>
<th>NO. OF STUDENTS</th>
<th>CREDIT HOURS</th>
<th>TOTAL STUDENT CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 521</td>
<td>Administrative Behavior</td>
<td>29</td>
<td>3</td>
<td>87</td>
</tr>
<tr>
<td>PA 525</td>
<td>Public Personnel Administration</td>
<td>43</td>
<td>3</td>
<td>129</td>
</tr>
<tr>
<td>PA 535</td>
<td>Comparative Public Administration</td>
<td>24</td>
<td>3</td>
<td>72</td>
</tr>
<tr>
<td>PA 544</td>
<td>Public Budgeting and Fiscal Management</td>
<td>15</td>
<td>3</td>
<td>45</td>
</tr>
<tr>
<td>Pol.Sci. 512</td>
<td>Topics: Seminar on State Politics</td>
<td>10</td>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>AGSM 598</td>
<td>Seminar in General Management</td>
<td>4</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>Hist. 380</td>
<td>History of the Southwest</td>
<td>15</td>
<td>3</td>
<td>45</td>
</tr>
<tr>
<td>Sp.Com. 442</td>
<td>Strategies of Organizational Communication</td>
<td>6</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>G&amp;C 516</td>
<td>Clinical Case Study</td>
<td>10</td>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>G&amp;C 517</td>
<td>Group Counseling</td>
<td>13</td>
<td>3</td>
<td>39</td>
</tr>
<tr>
<td>SATE 500</td>
<td>Advanced Instructional Strategies</td>
<td>12</td>
<td>3</td>
<td>36</td>
</tr>
<tr>
<td>SATE 442</td>
<td>Teaching of Reading: Secondary and Adult</td>
<td>17</td>
<td>3</td>
<td>51</td>
</tr>
<tr>
<td>SATE 538</td>
<td>Reading through the Content Areas</td>
<td>21</td>
<td>3</td>
<td>63</td>
</tr>
<tr>
<td>SATE 593</td>
<td>Topics: Methods and Materials in Adult Education</td>
<td>5</td>
<td>3</td>
<td>15 (Cancelled)</td>
</tr>
<tr>
<td>Sp.Ed. 430</td>
<td>Nature and Needs of the Emotionally Disturbed</td>
<td>21</td>
<td>3</td>
<td>63</td>
</tr>
<tr>
<td>Sp.Ed. 542</td>
<td>Teaching the Learning Disabled</td>
<td>16</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>Sp.Ed. 593</td>
<td>Topics: Teaching Gifted Children</td>
<td>18</td>
<td>3</td>
<td>54</td>
</tr>
<tr>
<td>Ed.Admin. 510</td>
<td>School-Community Relations</td>
<td>21</td>
<td>3</td>
<td>63</td>
</tr>
<tr>
<td>Ed.Fdns. 501</td>
<td>Research Methods in Education</td>
<td>7</td>
<td>3</td>
<td>21</td>
</tr>
<tr>
<td>Soc. 513</td>
<td>Survey of Contemporary Schools of Sociological Theory</td>
<td>0</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

---

**Total: 307**

---

**Total: 921**
Graduate Student Association of The University of New Mexico

Annual Report to the Graduate School 1979-1980

presented by

Michael J. Daley
GSA President 1979-1980
I. INTRODUCTION

The Graduate Student Association (GSA) of the University of New Mexico has realized considerable growth and activity in the recent year. The GSA continues to operate independently of ASUNM and to represent the unique interests of graduate students within the university community. A considerable expansion of the services directly available to graduate students has marked this past year. A word processor service is of particular interest in this respect. The GSA, as a service organization, has continued to work and improve the overall quality for graduate students on the academic, social and professional levels. Contained herein is a brief summary and outline of the various accomplishments and sometimes failures of the GSA during this past academic year.

II. ACADEMIA

At the close of the spring 1979 semester, the Graduate School, via Dean Spolsky was attempting to pass a policy through the Faculty Senate Graduate Committee. This policy would have forced all graduate students to continue to enroll for nine hours every semester until the completion of their degree. The effect of such a policy would have been that Ph.D. students would have to continue to enroll for nine hours of dissertation irrespective of the fact that they may have completed all their dissertation credit requirements. The net effect of such a requirement would have been an additional cost to graduate students that had completed their course requirements of approximately $300 per semester. During the summer of 1979, negotiations were instituted with the Administration (President Davis and Vice President Perovich) to arrive at an equitable compromise to the semester credit requirements for graduate students. The University was interested in receiving credit for these graduate students that were essentially enrolled full time towards completion of their degrees, but no longer had to take formal courses. Student credit hours is the basis for funds from the State Legislature. The product of such negotiations was a flat fee to be charged for all dissertation hours, $75. This was regardless of the number of dissertation hours to be taken (3, 6, 9 or 12 dissertation hours per semester). This policy was then passed in the fall of 1979 and is currently in effect for fall of 1980. The University will now be appropriately credited with these hours and the graduate students will realize substantial savings.

The faculty and students of the University expressed considerable concern about the past Fiscal Year cuts for the Zimmerman Library. The central resource and heart center of any university is its library. The GSA sent representatives to the ad hoc committee, formed by the faculty and Dean Vassallo, to voice their concerns about the library’s position. Although no substantive action was taken by this committee its presence and voiced concern certainly had an influence on the administration’s supplementation of the library’s budget early in the fall semester.

The term “hybrid dissertation” certainly invokes many meanings to the faculty of this University. It specifically refers to the option of a graduate student to include, with the prior approval of his/her thesis or dissertation committee and department chairman, published material to address specific areas of his/her research. A general introduction, interconnecting material and general
discussion would be included to unify the work. The material in its published format would serve as a chapter that would discuss a defined area of the research. Published material is the only effective mechanism by which one can effectively communicate scholarly thoughts and achievements to the academic and scholarly community. There can be no room for doubt that this is a much more professional and scholarly approach to the culmination of a graduate degree.

The first hybrid dissertation format was approved by the Arts and Sciences Graduate Committee due to the active participation of the GSA members (format approved 6 to 5, 2 GSA members voting affirmatively). Less successful efforts attempted to pass a similar format for the entire Graduate School through the Faculty Senate Graduate Committee. It is interesting to note that the GSA Office's research on the acceptance of such a format at other universities, found that all the alma maters of the Faculty Senate Graduate Committee members accepted the very format that many found to be objectionable. Acceptance of the format was seemingly split along the guidelines of the Applied Sciences being in favor and the Social Sciences unable to accept such a format. Failure to pass such a policy can only lie in the inability of this GSA Administration to mount convincing arguments (in favor) or alternatively the closed minded nature of some faculty. The policy would have significantly improved the quality and reputation of the graduate program at UNM. It is hoped that it will be accepted in the future.

III. SOCIAL EVENTS

For the last five years the GSA has held two parties during the academic year for graduate students. During the first semester this party was held at Friar's East. The party was met with only limited success with less than 50 graduate students attending. Although the social interaction of graduate students should be an important service of the GSA, the apathy of the graduate students seems to circumvent the effectiveness of this service. Therefore, the GSA President recommended to the GSA Council that future GSA parties be eliminated due to a lack of interest and participation. This motion was passed, and funds for the GSA party have been subsumed by other GSA services.

One of the most important outlets for social activities to graduate students are cultural events. The major obstacle to many graduate students to attend such events, quite dogmatically, is a financial one. Professional entertainment is often financially prohibitive to graduate students that are on a limited income. The GSA has continued to subsidize subscriptions to the Popejoy Cultural Entertainment Series. This subsidization has allowed graduate students to take advantage of a 75% discount on season tickets and a 50% discount on all single ticket purchases. Furthermore, through the representation on the Cultural Committee, the GSA has also been successful in implementing a "rush" seat policy in cooperation with Mr. William Martin, Director of Popejoy Hall. This rush policy allows students to obtain remaining tickets, 15 to 20 minutes prior to the performance, for the
nominal cost of $2. This policy has also been adopted by numerous other cultural organizations that utilize Popejoy Hall.

IV. GSA AS AN ORGANIZATION

A. GOVERNMENTAL. One of the central issues of a service organization that functions from student fees must be responsible financial accounting. The GSA Finance Committee implemented and enforced a monthly financial report policy to be submitted by all funded organizations. These reports were invaluable in the evaluation of the productivity of various organizations throughout the year. It insured that GSA monies were being spent as budgeted and appropriately. The Finance Committee also instituted a uniform funding application packet for all organizations requesting funding for the next fiscal year. These packets were fashioned after the general format of NSF and NIH grant requests. This also permitted equitable and responsible review of these requests during the budget hearings. It has promoted professionalism both within the requesting organizations and the GSA in general.

The Special Ideas Committee received a budget of $6,000 for the 1979-1980 Fiscal Year. These monies were used to supplement the purchase of the GSA word processor, various speakers and forums, partial renovation of the ASA Gallery and other projects that directly benefit graduate students. This fund continues to be a valuable resource to many individual graduate students and organizations, especially to support honorariums and travel for invited speakers.

The Student Research Allocations Committee received $14,000 during the 1979-1980 fiscal year. The Graduate School commendably, continued its program of matching funds for graduate students. This Graduate School Special Expense Fund, (GSSEF), operated through the Student Research Allocations Committee, (SRAC's). Funds equaling that of SRAC's allocation were made by GSSEF based upon the Committee's recommendation. SRAC also updated and improved the application form. SRAC with the assistance of the GSSEF continues to serve a vital role within the graduate student community promoting professionalism and academic achievement. Total requests for funds were in excess of $45,000 and a total of approximately $24,000 was realized to individual graduate students through the mutual cooperation of the GSA and the Graduate School.

The political machinations of GSA continue to be most interesting. The 1980-81 GSA Presidential Elections realized the election of the first 'write-in' candidate, Mr. Paul Kruse from the Law School. The margin was less than 16 votes out of approximately 650 votes cast. The 1980-81 General Budget met overwhelming support, while a referendum vote to continue funding the Lobo passed by a narrow margin. The referendum vote to increase GSA fees to $1.5 per semester was handily defeated.

The GSA office at the end of the 1979 academic year moved from the second floor to the basement of the Student Union Building. Since that time, the
The GSA office has realized a considerable face lift. All changes were made with the concept of increasing the professional appearance and efficiency of operation of the GSA and its office. Much of this change was mediated through the acquisition of the following: new Sofa Block furniture (one couch, two chairs, one bookcase, and secretary's desk), dictating equipment, a 24 hour answering phone, new filing cabinets, various office decorations and a new IBM Selectric correcting typewriter. The GSA office also acquired a word processor which is discussed under Section V. The GSA Open House was held during the fall and spring semesters. This was to familiarize various graduate students with the GSA office, its function, and introduce them to various Council members and elected officials of GSA.

1979 also marked the implementation of a new letter head for GSA with a newly designed logo that was to signify unity and involvement. Through the GSA office and with the assistance of the GSA word processor, a letter was sent to the Governor of New Mexico and all state legislators asking for their support in all allocations for the University. This letter was in response to the concerns of graduate students about the possible funding cuts due to the recent athletic scandal. In a further attempt to communicate and advertise GSA to graduate students, T-shirts were printed with the GSA logo. These T-shirts were distributed to all GSA Council members. It was also during the 1979-1980 academic year that the GSA of UNM started communicating with other graduate student associations throughout the nation. This network consisted of organizations that were interested in communicating issues of mutual concern. Such communications have provided some important insight into the solutions of common problems to graduate students. The GSA secretary has also been trained on the GSA word processor, and with the dictating equipment, has increased the productivity of the GSA office by in excess of 100%. The financial records of GSA are also soon to be placed on the word processor, thereby further increasing efficiency.

B. SERVICES. A number of direct services were instituted for graduate students during the past academic year. The GSA office collected and distributed a variety of information to all incoming students. This information introduced them to the University and Albuquerque community. It also explained the various functions of GSA and other services available to them. It was during 1979-80 that the fourth GSA Consuming Handbook was published by GSA. The last one was published in 1975. The handbook was totally rewritten, and dealt with various aspects of graduate student life in the University, the Albuquerque community, and provided additional information on various aspects of student life (recreational, social, financial, housing, etc.). The handbook was provided free of charge to all graduate students. Approximately 1,000 copies were distributed during the academic year.

A similar handbook was also written for graduate students that were interested in the utilization of the Word Processor Service. This handbook described the various aspects of word processing, its advantages and applications.
The handbook also contained samples of various formats and typing styles that are available. A section on how to use the optical character reader, OCR, for inputting information onto the word processor, via IBM Selectrics, was also included. The handbook is distributed free of charge to all interested graduate students through the GSA office. (See Section V on general description of the Word Processor Service).

The accessibility of the GSA office to the general graduate student community is somewhat limited. The hours of graduate students are frequently quite variable and, therefore, contacting the GSA office can be at times difficult and frustrating. During the summer of 1979, an answering phone (Sony BM250) was installed to assist with this problem. Now graduate students can call the GSA office after hours and leave a message. These messages can be quickly answered and students contacted the following day. The answering phone has received considerable use and seems to be providing a valuable service.

The GSA has also acquired various other resources that are available for use to graduate students. These have included two IBM Selectric typewriters and a lettering set. This equipment can be utilized by the graduate students during the day in the GSA office, or checked-out overnight by the student. This equipment can also be reserved and checked-out for weekends. The student only has to leave their ID with the GSA office. This program has been particularly successful.

The common concern of most graduate students often centers around finances. The monthly stipends or finances realized by part-time employment are at best minimal. Therefore, the GSA office implemented a policy whereby small (up to $50), short-term loans (i.e., seven days) would be issued to graduate students that demonstrated an unusual need for financial assistance. In addition, the GSA office has instituted a policy whereby more substantive and longer term loans could be secured by GSA for the student through the Financial Aid’s Office. GSA acted as a co-signee for guaranteed payment. These two policies have been appropriately utilized by various graduate students throughout the academic year.

The GSA office continues to maintain a library of graduate bulletins from major colleges and universities in the U.S. Furthermore, a limited library on grant and publishing opportunities to graduate students is also maintained. These books and catalogues are available to graduate students for short term loans. The policy of permitting graduate students to utilize the WATS line for long distance calls (charge of $2) was also continued. The calls had to be limited to school and research activities.

One of the significant issues that the GSA attempted to address through the GSA office was the problem of evening parking for the part-time students. The office received numerous inquiries into this situation by a number of graduate students. A request was made to implement a policy, whereby, part-time graduate students could be issued a temporary parking permit that would allow
them to park between the hours of 3:15 pm and 4:30 pm (termination of zoned parking). The request was forwarded to the Parking Committee in an attempt to convince them of the need, based upon security reasons (part-time students leave their classes between the hours of 7 and 9 o'clock at night). The request was denied, but this issue continues to be one of interest to part-time students and should be pursued in the future.

V. GSA WORD PROCESSOR REPORT

In mid-January the Graduate Student Association (GSA) of the University of New Mexico took a monumental step to expand the services available to graduate students. This was marked by the initial rental of a CPT 8000 Word Processor. The unit was to be used in a pilot study to type theses, dissertations, and resumes for graduate students at cost. A potential savings could be realized to graduate students of as much as $80,000 in a period of a year over conventional typists. The success and general acceptance of this service prompted the GSA, along with the financial and moral support of the UNM administration, to purchase the equipment (total acquisitional cost... $19,300). In addition, the Administration has acquired an Optical Character reader (OCR) for the GSA Word Processor Service which has the capabilities of scanning typed text (from an IBM Selectric) and transferring this information onto the word processor. This expands the potential input stations for the GSA Word Processor to every IBM Selectric on campus. The GSA Word Processor Service is the only student owned and operated service, not only in the state, but in the nation.

In the first four short months that the GSA Word Processor Service was in operation, the usage was three times that originally anticipated by the Word Processor Committee for this time period. The initial staff of one part-time Word Processor Operator (W.P.O.) worked as many as 62 hours in one week (see figure 1). In addition, all the W.P.O. hours were spent specifically text-editing, since a full-time temporary typist had been hired for all initial input through the OCR unit. This is the most efficient usage of a word processor.

The wide acceptance of the GSA Word Processor Service has been exhibited by its usage by 30 different graduate students, representing 15 different departments which comprise a variety of different disciplines. The 22 theses and dissertations in the first four months of operation that had been typed via the word processor, represented 11% of the total theses and dissertations written in one year at UNM. The OCR unit has also met with equal success. Since its installation in late March, OCR entries account for 85% of all entries. This has meant a substantial savings of money and time for these students.

As of May 1, 1980, the GSA Word Processor Service had deposited approximately $2,400.00 in revenue collected for services. The total expenditures for salaries had been $4,200.00 as of May 5, 1980. The $1,800.00 in part was accounted for by the delay in receipt of monies for services until the typed product was available and received. However, much of this deficit has been
attributable to a learning process, and at times inexperience at providing such a service to a diverse group of clientele. A recent audit of the W.P.O. work sheets shows that the revenues collected are equaling the outlay for salaries. Essentially the cost of operation of this service to GSA is to be nominal.

GSA and the graduate student body are committed to the the Word Processor Service. This is reflected in its initial acceptance by the graduate students, commitment to purchase the equipment and a commitment in next year's budget of $3,500 for advertising, a handbook and additional equipment. The GSA Word Processor User Handbook is also available presently. The service should continue to grow as we are already having to somewhat limit access to only OCR entries. Expansion of the service should remain commensurate with the needs of the graduate students and additional terminals should be considered upon a detailed review by the GSA Word Processor Committee. A letter has been sent to CPT Corporation, informing them of our service and suggesting some avenues of mutual cooperation. Their initial response has been most affirmative. Preliminary negotiations suggest that the GSA may be able to require another terminal and printer. However, until such matters are finalized, there should be little anticipation.

VI. GSA COUNCIL (Yolanda Jones, Chairperson)

The GSA Council during the 1979–80 academic year first incorporated the judicial branch that was created through amendments to the Constitution in the spring of 1979. The judicial section is composed of the Judiciary Committee (3 members) appointed by the President of the GSA, from different departments, and approved by the Council. General Council business was accomplished, even with slightly low turnout, such as the approval of all Presidential appointments to Standing Committees, approval of Student Research Allocations in special instances, directing the President along lines of interest to the GSA, and approval of all Special Ideas projects.

The most controversial subject of the year, of course, was the Budget and Presidential Election. The Budget did not set well with two special interest groups on campus. In one case the problem was resolved, after much debate, with a compromise. In the second, the Council voted down any further discussion of additional funds for the organization, finding that the general election approved budget allocated suitable funds. There is a strong chance that another appeal or confrontation will occur during the next academic year (1980–'81). The Council members also ran the election without incident, under the Election Committee's guidance, with Paul Kruse winning the presidential race.

The Council Chair has been active during the spring and summer serving on the University Child Care Cooperative Search Committee, in an effort to have continuing day care facilities available to the Student Body. This is an extremely important aspect of student services and will be acted upon further in the fall by the Council.
SECTION VII. GSA AND THE ADMINISTRATION

GSA has continued to maintain a valuable rapport with the Administration. This seems in part to be due to lack of day to day confrontation. Most issues are handled internally within GSA. This 'low profile' is invaluable when GSA voices opinions of substantive concern to graduate students to the Administration.
For the most part, they listen and act on these issues when possible. Perhaps this 'low profile' approach is somewhat responsible for the lack of awareness by the graduate students of the services GSA provides in its advocacy role.

The co-operation of the Administration with GSA was exemplified by two major projects during the past academic year. The first being the change in policy for dissertation hours. The second being their financial assistance to purchase the word processing equipment. The Administration has shown an openness and willingness to listen when presented with appropriate documentation and arguments. The incite, concern for students and co-operation of President Davis and Vice-President Perovich is therefore duly acknowledged by this GSA Administration.

VIII. 1980-1981 BUDGET

<table>
<thead>
<tr>
<th>INTERNAL BUDGET</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Research Allocation Committee</td>
<td>14,000.00</td>
</tr>
<tr>
<td>Special Projects &amp; Research Committee</td>
<td>5,000.00</td>
</tr>
<tr>
<td>Word Processing Committee</td>
<td>3,020.00</td>
</tr>
<tr>
<td>Service contracts</td>
<td>$</td>
</tr>
<tr>
<td>Advertisement &amp; Handbooks</td>
<td>$</td>
</tr>
<tr>
<td>Program Development (CSA)</td>
<td>$</td>
</tr>
<tr>
<td>Pre-Rated Benefits (12/month/couple)</td>
<td>8,500.00</td>
</tr>
<tr>
<td>GSA Secretary (salary &amp; benefits)</td>
<td>6,340.00</td>
</tr>
<tr>
<td>Office Supplies</td>
<td>1,500.00</td>
</tr>
<tr>
<td>GSA Handbooks</td>
<td>600.00</td>
</tr>
<tr>
<td>President's Educational Grant</td>
<td>3,000.00</td>
</tr>
<tr>
<td>President's Contingency</td>
<td>500.00</td>
</tr>
<tr>
<td>Chairperson's Contingency</td>
<td>300.00</td>
</tr>
<tr>
<td><strong>Sub-Total</strong></td>
<td>$41,640.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXTERNAL BUDGET</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child Care Co-Op</td>
<td>8,000.00</td>
</tr>
<tr>
<td>Cultural Series (9 S.L. classes)</td>
<td>5,000.00</td>
</tr>
<tr>
<td>KUHIM</td>
<td>5,000.00</td>
</tr>
<tr>
<td>MALMA</td>
<td>3,084.40</td>
</tr>
<tr>
<td>GABS (placement services)</td>
<td>1,500.00</td>
</tr>
<tr>
<td>Agora</td>
<td>1,400.00</td>
</tr>
<tr>
<td>New America</td>
<td>1,120.00</td>
</tr>
<tr>
<td>Moss Cholone</td>
<td>1,160.00</td>
</tr>
<tr>
<td>Heart Center</td>
<td>1,000.00</td>
</tr>
<tr>
<td>Poetry Series</td>
<td>660.00</td>
</tr>
<tr>
<td>LSUPA</td>
<td>758.50</td>
</tr>
<tr>
<td>G.S. Achievement of Art</td>
<td>775.00</td>
</tr>
<tr>
<td>ASA Salary</td>
<td>900.00</td>
</tr>
<tr>
<td>LSCMNG</td>
<td>288.00</td>
</tr>
<tr>
<td>ALEA</td>
<td>175.00</td>
</tr>
<tr>
<td>Native American Women's Coalition</td>
<td>175.00</td>
</tr>
<tr>
<td>Data Thesis Pin</td>
<td>180.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LINE ITEM REFERENDUM VOTE</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSBG</td>
<td>3,500.00</td>
</tr>
<tr>
<td>Approximate</td>
<td>191.00</td>
</tr>
<tr>
<td>Approximate</td>
<td>191.00</td>
</tr>
<tr>
<td><strong>Sub-Total</strong></td>
<td>$3,682.00</td>
</tr>
</tbody>
</table>

**TOTAL BUDGET** $75,785.90
IX RECOMMENDATIONS AND CONCLUDING REMARKS

In this section it is not appropriate to restate the accomplishments of the past academic year. If the report herein has been true to its task then they should be implicit. Hopefully, this Section will be able to succinctly state some of the substantive issues of GSA and the University as perceived by the out-going GSA President. They are not presented to offend, but to provide some incite into some possible directions one must pursue if GSA and the graduate programs are to continue to grow, change and strive towards excellence.

The GSA serves a vital and functional role as a service organization at the University. It plays an important advocacy role for the interest of graduate students on all levels of the University community. However, GSA continues to realize several substantive problems within the organization. First and foremost, is the general apathy within the graduate student body. This apathy has continued to play a significant role in the effectiveness of the organization in various aspects of the University community. This has been manifested by a lack of interest in serving on several of the University Standing Committees. No change can be effected within the University, if there is no representation by GSA. In part, the responsibility for apathy lies within the GSA as an organization, although numerous attempts have been made to advertise the various services and achievements of GSA via the media. These attempts seem to be fruitless. Perhaps direct mailouts would be a more effective means of communicating various issues and information.

In addition to the general apathy of the students, the organization also seems to suffer from the general reputation of undergraduate student government (the two certainly being related). The graduate students often come to graduate school with a pre-conditioned opinion of student government from their previous university. Faced with a bad, but unwarranted, reputation and an apathetic graduate student body, dilemma is indeed a serious one for future GSA administrations. This GSA administration's policy of increasing direct services to graduate students and promoting the professionalism of the organization seemed to have been met with only limited success. An attempt should be made to expand the core of 40 to 50 members of GSA (primarily Council members) that are interested in effecting any positive change in their graduate education.

Perhaps the apathy of the graduate students in only exceeded by that of the faculty. A dichotomy seems to exist in which, "the willing are incapable and the capable are unwilling", for many of the committees at the University. Although the apathy of the students is probably the single biggest threat to the Graduate Student Association, the apathy of the faculty is the single major problem of graduate education at the University of New Mexico. The graduate programs within individual Departments continue to remain strong, because of a sincere and strong faculty. The weaker Departments become weaker because of the perpetual nature of indifference towards graduate education. The Graduate School as a whole continues to receive very little direction or leadership from the Faculty.
Senate Graduate Committee. The ineffectiveness of the faculty is also exhibited by the lack of unified and substantive stands that were taken towards major issues facing the University during the past academic year. Such a lack of leadership and direction could not help but have significant ramifications on the relationship and attitudes of graduate students to GSA.

The future direction of the Graduate Student Association is seemingly unclear. Unless the active involvement in the organization can be increased to a minimum of 100 to 200 students the effectiveness of the Association will continue to be mediated by a select few. The division of the Law School vs. the 'Main Campus' is also a matter of internal strife and lack of unity. Emphasis of this Administration on increasing services available to all graduate students have not seemed to bring about any significant change in these attitudes. However, these may be the essential beginning steps for a foundation of future involvement and unity.

Another point of major concern to graduate students is the lack of leadership and direction within the Graduate Division as a whole. Before a new Graduate Dean can be permanently appointed these substantive issues must be addressed. For it is at this time that a new leadership might provide the direction that the faculty for the most part has not. It may be worthwhile for the GSA to undertake a detailed study of the "decentralized" Graduate School. Such a study may provide valuable information pertaining to the possible reinstatement of a centralized graduate program. However, a centralized graduate school can only be effective and productive with strong financial support. Such support should certainly include the availability of additional financial support in the form of fellowship, tuition waivers, etc.

The opinions stated herein are solely mine, Mike Daley, GSA President 1979-80. They are hopefully explicit and cohesive in form. They are only meant to provide some limited incite into many of the substantive problems that face GSA, the graduate students and graduate education of UNM in the near future. Perhaps such rhetoric will serve some useful purpose.
GSA Word Processor Service Equipment Assets

1 CPT 8000 Console
1 4408 Communications Package
1 Forms Tractor
1 Rotary VII Dual Head Printer (8/30)
1 Sound Hood
1 Context 1210 Optical Character Reader
8 Daisy Print Wheel (Variable type styles)
16 OCR element balls
2 IBM Selectrics

GSA Word Processor User Handbook
Table I. Usage of GSA Word Processor Service

<table>
<thead>
<tr>
<th>Departments</th>
<th>Number of Students</th>
<th>Thesis/Dissertation</th>
<th>Resumes</th>
<th>Other</th>
<th>OCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Foundations</td>
<td>2</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Administration</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Medical Sciences</td>
<td>6</td>
<td>6</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HPER</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Law</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>6</td>
<td>5</td>
<td>1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Architecture &amp; Planning</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Educational Administration</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>15 Departments</strong></td>
<td><strong>30</strong></td>
<td><strong>23</strong></td>
<td><strong>4</strong></td>
<td><strong>4</strong></td>
</tr>
</tbody>
</table>
Figure 1.

**Usage of GSA Nord Processor Service**

- **Mary Montana** (Full-time V.P. Oper.)
  - Avg. Work Week: 39.9 HRS/WK
- **Anne Sachra** (Part-time V.P. Oper.)
  - 18.6 HRS/WK
- **Michelle Lehr** (Temp. Full-time Typist) (4 Weeks)
  - 32.4 HRS/WK

**Total Hours Worked**

**Weeks of Operation**

- 2
- 4
- 6
- 8
- 10
- 12
- 14
- 15

---

-72-
This year represented a very strong and positive time of growth and new direction for the program. It began with the installation of an acting coordinator, Dr. Ann S. Nihlen. In the Fall, the central administration proposed some major structural changes, and by the Spring we were at the Faculty Senate requesting course numbers for the Program. The year ended with a rededication of the focus on the southwest and its women and to a major evaluation and development of a strong undergraduate curriculum.

In September Provost Hull proposed that the various Ethnic and Women Studies Programs house themselves within the College of Arts and Sciences rather than under his office. After many meetings with the Women Studies Committee and other interested members of the university community we responded that for Women Studies to remain as an interdisciplinary program we needed to remain under the Provost’s office. In addition, we requested the development of course numbers for Women Studies, faculty rank for the Coordinator, as many joint appointments as we could for other faculty, and the eventual move toward a minor in Women Studies.

In January we met with the Provost and his staff concerning the specific request to develop course numbers for Women Studies. Present at this meeting were many advocates of Women Studies from throughout the University including Drs. Jan Roebuck (History), Jane Abrams (Fine Arts), Sandra Schwanberg (Nursing), Vera John Steiner (Educational Foundations), and Ms. Linda Estes (Director of Women's Athletics).

This was an important and historic meeting for the Program; it not only demonstrated our ability to proceed in institutionalizing the unit into the mainstream of academia, but also it showed a spirit of cooperation
and joint effort from many segments of the university including the central administration. Out of the meeting came a proposal for the Faculty Senate for course numbers, a commitment to hire a person of professorial rank and title for coordinator, and the introduction of the minor as a serious proposal for the future. Women Studies emerged, strengthened and well supported, truly a strong position with which to begin its ninth year at UNM.

In April, the University Faculty Curriculum Committee, the Undergraduate Academic Affairs Committee, and, finally, the University Faculty Senate, approved the Women Studies proposal. In the past Women Studies had been dependent on friendly departments to offer courses we selected and paid instructors to teach. Though this system worked in many cases, in other cases it did not. The acceptance of the Women Studies proposal gave the program autonomy and was an affirmation of our academic credibility and strength. We will seek to continue to work closely with other departments and reaffirm our commitment to offering courses both in Women Studies as well as in other departments.

The first decisions about course numbers concerned four of our oldest courses. La Mujer Chicana and Introduction to Women Studies, both taught regularly since 1972, are offered under Women's Studies. Women and the Law stayed in Political Science and the Economics of Feminism stayed in Economics.

During the busy year we also invited several international speakers to Albuquerque. Both focused on Latin America; Ms. Margaret Randall on Cuba and Ms. Margarita Dalton on Mexico. They were able to bring a perspective on the women's movement in their countries to UNM, and the lectures were widely attended by both the University community and the Albuquerque community. In addition, both women spoke to individual
Women Studies classes as well as classes in other departments.

As a unit within the university we participated in the NCA accreditation process for UNM. This involved a self-study report from Womens Studies which formed part of the regular decennial accreditation review early in 1979.

In the Spring semester the Womens Studies Committee determined to offer three one-credit workshops to begin the process of deciding which areas of study could become full-fledged courses within the program. The workshops were entitled Third World Women; Race, Class and the Feminist Movement; and Heterosexism. They were very well received by students and instructors alike and will form the nucleus for the course proposals for next year to the University Faculty Curriculum Committee. We learned a great deal from this mini-series of courses and feel that this was an innovative and positive way to experiment with new course materials.

A major task of this year involved the hiring of a permanent Coordinator. This process began in the Fall with many discussions by the Women Studies Committee concerning the criteria for applicants. This person would help shape the future of the Program, and it was felt that we must be very careful and thorough in her selection. In addition, it was paramount that whomever we selected should be able to have faculty rank. This necessitated working with many departments to explain the procedure for selection. In February all the applications were received. From the large number of applicants we selected the top four who were to be flown in for the interview. One candidate was the Acting Coordinator, Dr. Ann S. Nihlen, who was selected as the permanent coordinator in May. She was to have a faculty, tenure-track appointment in the Department of Educational Foundations in the College of Education. As a founding member of the Womens Studies Program at UNM, she received her PH.D. at
UNM in 1976 and had taught for a year at the State University of New York campus at Buffalo. Her dissertation and publications all reflected her involvement and research interest in women and education.

In addition, Dr. Sally Dunn was hired as the half-time instructor. Dr. Dunn has worked for the program periodically for five years and was a welcome addition. The new part-time instructors hired reflect a strong bias for the Southwest as an area of study and the interdisciplinary nature of the Program.

The Acting Coordinator participated in several university committees including the Undergraduate Academic Affairs Committee, Women's Center Selection Committee for the new Director, and participated in the departmental meetings in Educational Foundations. In addition, she co-chaired the Women's Division of the Western Social Sciences Association and was the Rocky Mountain Southwest regional representative for the National Women Studies Association.

This Spring the Ford Foundation has been looking into the development of a center for the study of women in the Southwest and related issues. The center has been established and is called the Southwest Institute for Research on Women (SIROW). It will be directed by Myra Dinnerstein, located in Arizona, and funded for three years. We have helped in the documentation of its need and in providing backup services for the project. The Acting Coordinator has been asked to sit on its organizational board in the Fall of 1979.

Despite all the growth and the excitement generated by the Womens Studies program, the University reduced our budget in April by $2800. This budget reduction necessitated our cutting two courses from the Program during a period of supposed expansion and certainly a time of good enrollments. The explanation given for the cuts involved alleged non-spending of some funds over the years by one or several units of
Ethnic and Women Studies Programs. We were greatly disappointed and have been requesting the return of the monies.

In May, Women Studies at UNM participated in the First Conference of the National Women Studies Association. Held in Kansas, six representatives from our Program, including students and the Coordinator, attended. It was a strong beginning marred only, but significantly, by the lack of participation of Third World Women. Our program was visible in our suggestions for improving the outreach of the National Women Studies Association.

In November the Acting Coordinator attended and participated in the Governor's Conference for Women in State Employment. The conference was held in Santa Fe and was a wonderful opportunity to meet many women and publicize the Program and UNM. In the Spring, the Coordinator also participated in the Albuquerque City Conference for Women in City Government. Again, this was an excellent time to learn and share information on UNM and Women Studies.

In summary, this has been an exciting year for the Program. We finally reached a long-term goal of course numbers and can begin the process of identifying and building a coherent and strong curriculum in Women Studies. We moved smoothly through the transition of Acting Coordinator to permanent Coordinator. And we began the process of moving the orientation of the program to include all women and to focus on the Southwest.
At the beginning of the ninth year Women Studies was able to blossom into a full-fledged academic unit with the establishment and growth of Program course numbers. This year was devoted to curriculum development, primarily at the undergraduate level but including graduate students as well. We now have eleven courses, some of them new, most of them old and established offerings.

We also began a process of change and renewal, a process which began the inclusion of all women within the community, with special emphasis on minority women. Minority women had always been involved in the program but in such small numbers that they often felt peripheral and that they had little impact upon the Program as a whole. We began by examining our governance, hiring procedures, and the content of courses, as well as the courses themselves. In each instance we dedicated our efforts to including all women. For example, in the area of hiring we increased our focus of announcing job openings to minority organizations, clubs and particularly to minority women's groups. The Coordinator actively sought out minority women by going to meetings, advertising widely, talking to everyone who expressed an interest in teaching and calling many minority women in the university for help in identifying potential candidates.

In course content we examined each course for sections on minority women and articles which talked about all women for use in the classroom. When interviewing prospective teachers we carefully discussed the focus of the Program and examined their proposed course syllabus for inclusion of women of color. For example, in the course Women Studies 200, Introduction to Women Studies, we wanted to make sure that minority women were discussed in each section or subject.
area, i.e., psychology, history, and education.

In the governance of the Program it was fairly easy to see that minority women were not well represented. The Women Studies Committee meets bi-weekly each month of the academic year, and it was evident that there was never more than a third of the membership who were third world. The committee members actively recruited minority women from classes, from the Ethnic Studies Programs and from the university at large. We tried to impress them with our seriousness to take into account their perspectives and needs and to begin to incorporate their ideas into the program as an integral aspect.

We offered eighteen courses in 1979-80, three of which dealt exclusively with minority women, La Mujer Chicana, Black Women Writers and American Indian Women. The other fifteen courses all began to include integrated content on minorities in the country and particularly in the Southwest. From Introduction to Women Studies to Women and the Law and The Economics of Feminism to Sexism in Education, each incorporated this material into their syllabus. The feedback from students was very positive; minority women and white women have all learned new dimensions about themselves and each other and both felt strengthened in their knowledge about the Southwest.

Our efforts began to be successful in the areas of hiring and governance as well. As more minority women took an interest in the Program and began to investigate our avowals of inclusion, the Program began to grow and new energy was generated. We saw in the applications for instructor jobs that about half the applicants were minority women. By Spring, the Women Studies Committee was composed of fifty percent Third World Women from all parts of the campus.

This year also saw the establishment of the Women Studies Advisory Board, a Board requested by the Faculty Senate to work with the Women Studies Committee and have final approval on matters of curriculum and
hiring of instructors. The Board was composed of faculty involved in research on or about women from throughout the university (see list at end of report). This Board met for the first time in the Spring and was supportive of all recommendations from the Women Studies Committee. In addition, their enthusiasm and interest in the Program was exciting and we look forward to a good and supportive relationship with them.

In the Fall we instituted a Women Studies Curriculum Committee to oversee an orderly development of a sequential curriculum for the Program. This committee met often and made periodic reports to the Women Studies Committee. In addition, it took primary responsibility for the development of specific courses. During the year we created and took through the University Faculty Curriculum Committee nine courses whose titles are as follows: Women Studies 222, Race Class and the Feminist Movement; Women Studies 233, American Indian Women; Women Studies 234, Her Own Voice: Black Women Writers; Women Studies 324, Contemporary Feminist Theory; Women Studies 331, Third World Women; Women Studies 335, Heterosexism and the Oppression of Women; Women Studies 339, Women Abuse; Women Studies 386, Women and Sports (to be cross-listed with HPER), and Women Studies 460, the 14th Amendment. The previous year we had negotiated for the courses La Mujer Chicana and Introduction to Women Studies from various departments. This list of eleven courses represented almost entirely courses which had been taught in existing departments under the condition that when and if Women Studies got its own course numbers the courses would be moved to the Program or as experimental 1-credit workshop courses which gave us an idea about content and interest in the area. All were well received with the exception of Race, Class and the Feminist Movement and we are investigating ways of making this a more interesting course which will have more appeal to students.
In October we advertised an "Open Meeting on Curriculum" to give the university and city communities an opportunity to offer input into our proposed curriculum. At the meeting it became clear that simply asking for input into such a complicated area was insufficient and the Women Studies Curriculum Committee began to develop an overall listing of Women Studies courses we now offered and of proposed courses and why they would fit into the curriculum. We explained what we meant by a curriculum, that is, an organized and defined sequence of courses within a bona fide program. We hope that this organization of courses will eventually strengthen our chances for the development of a minor in Women Studies.

The budget cut of $2800 by the central administration was very damaging to the Program. We had planned a set number and sequence of course offerings and it meant that two courses had to be dropped for the year. This limited us and though the Administration promised that the cuts were not permanent the funds were not restored this year. If the Program is to be encouraged to organize a coherent and sound academic program for students it must be guaranteed a budget from year to year. In this lean time for University budgets it is understandable that all units are held to past financial levels and it would be understandable if we had poor enrollments or mismanaged the funds given to us. However, neither was the case and despite repeated attempts on our part to have the money restored as promised, it was not.

This year we were happy to welcome to the campus the new Director of the Women's Center, Ms. Kathryn Brooks, a former acting coordinator of Women Studies at UNM. It has been a pleasant and extremely supportive working relationship this year and we have done many joint projects. Most notable is the establishment of a series of "Brown Bag Lunches" twice a month in the Women's Center. We have selected for this year
persons involved in research on or about women from the university and the community. They present their material in an informal and supportive atmosphere and the audience can ask questions and discuss the work. (see enclosed copy of series). It has been a wonderful opportunity for students, staff and faculty to work and learn together and in addition, community women often participated and exchanged information.

The closer ties with community women is enhanced by the monthly meetings at the YWCA sponsored by the New Mexico Commission on the Status of Women. This forum is an opportunity for women throughout the city and state to meet and exchange information on events and issues. Many exciting speakers are brought in from the Legislature, city government, organizations, and the university.

In November the Coordinator and several others in the Program were again invited to lead workshops for the Governor's Conference on Women in State Employment. As usual, it was good opportunity to meet and exchange information with many people throughout the state. In addition, later in the month the Coordinator presented a workshop to the women in the Department of Soil Conservation for New Mexico.

For several years many of us had discussed the development of a state-wide network on Women Studies and this Fall we were host to the first New Mexico State Women Studies Conference. Co-sponsored with us by the New Mexico Commission on the Status of Women and the Women Studies Certificate Program at Eastern New Mexico State University, it was held at UNM on November 1st. People came from throughout the state from Highlands, Portales, Las Cruces, as well as from high schools from several towns as well as Albuquerque. It lasted all day and included workshops on curriculum development, how to get a Women Studies course or Program at your school, a brief
history of our Women Studies Program (which is the only Program in the state), and ended with a potluck dinner for the out-of-towners. Next year Las Cruces (New Mexico State) will host the conference and the following year it will be held in Portales. It is off to a good beginning and has a promising future.

Women Studies always felt a commitment to offer courses in the evening for students who work during the day or have other obligations which do not allow them on campus in the daytime. To accommodate these students, we offer night courses Monday through Thursday, year in and year out. We are increasingly concerned, however, about campus safety for our predominately female students. This Fall several serious incidents of rape occurred over a short period of time. Mr. Barry Cox, head of Campus Safety, delivered a talk to the Faculty Senate in which he described the steps being taken to provide more safety for people at night on campus. However, we have not seen any significant changes in the campus to ensure the safety of female students and will review this matter periodically. We have a responsibility to our students to ensure some modicum of safety to and from classes, and the Women Studies Committee is concerned about the present situation.

In the Spring we hosted the Women's Division of the Western Social Sciences Association annual meetings. In the Fall we sent out a call for papers, and over Christmas read the proposals and grouped them into tentative sessions. Graduate students involved with the Program helped several faculty members make all the selections and we proposed over 20 sessions, all of which were approved by the Program Committee of the WSSA. The meetings provided three days of intellectual stimulation and praise for our work as well. Many students participated at all levels and though it was a lot of work for the Program as a whole we learned a great deal and were able to encourage our own
graduate students to present half a dozen papers as their first venture into academic meetings.

The National Women Studies Association held its 2nd annual meeting in Bloomington, Indiana at the end of May and several members of the Women Studies Program attended. We had been asked as a Program to present a paper in the symposium "Minority Women in Women Studies". The name of the entire meeting was "Women Educating for Change". It was proposed at this meeting that the entire next conference be devoted to issues of Third World Women and this was accepted. Next year's conference will be entitled "Women Respond to Racism", a title which our Program heartily endorses.

In the Spring hiring we saw the progress we had made toward incorporating minority women into the Program. Almost half of the new part-time instructors are minority women and they will bring a strong orientation and content into the program. In addition, we re-hired our half-time faculty Dr. Sally Dunn and are happy to have her on board again.

In summary, this year has been a steady and growing one for the Program. We have been able to move on our commitment to minority women, we have developed a strong academic curriculum, and we have reached out to the city, state, and nation in our work. Next year we intend to focus on rounding out our curriculum and on seeking input from students and faculty concerning the development of a minor in Women Studies.
WOMEN STUDIES PROGRAM

ADVISORY BOARD

Jane Abrams
New Art Building 140
3220

Anita Alvarado
Anthropology 144
5729

Gilda Baeza
Zimmerman Library
5761, Ext. 25

Helen Bannan
American Studies
Humanities Bldg. 318
4125/3929

Charlene McDermott
Dean of Grad. Studies
Humanities Bldg. 553, Rm. 123
2711/3447

Ann Nihlen
Women Studies Program
3854/3855

Ernie Panigua
Zimmerman Library
Ethnic Studies Division

Jan Roebuck
History
Mesa Vista 1113
4348

Sandra Schwanberg
Nursing/Pharmacy 240
2637

Jane Slaughter
History
Mesa Vista 2081
2246

Vera John Steiner
Educ. Fdns.
Education 220A
4324

Anita Pheiffer
Elem. Education
Mesa Vista 2022
5061

Mary Power
English
Humanities Bldg. 357
3712
The Women's Center and Women Studies invite you to discuss the Work of Women at the Thursday Brown Bag Lunches 12:00-1:00 in the Women's Center, 1824 Las Lomas N.E. Bring your lunch; coffee will be supplied. Discussion will follow short presentations.

**Sept. 20th**
Sally Dunn, Instructor in Women Studies, "Feminist Fragments: Letters on Women Studies and the Liberal Arts."

**Oct. 18th**
Kathryn H. Brooks, Director of the Women's Center, "Math Anxiety"

**Nov. 15th**
"Talkin' Union" an oral history film about four Texas women and their union organizing activities in the years 1930-1960.

Topics to be announced for:
- January 17th
- February 14th
- April 17th
The Women's Center and Women Studies invite you to
Discuss the Work of Women
at the Thursday Brown Bag Lunchees
12:00 - 1:00 in the Women's Center,
1824 Las Lomas N.E. Bring your
lunch; coffee will be supplied.
Discussion will follow presentations.

Feb. 14th Chicanas in Research
and Development.

March 13th Networking for Women in
Math/Science/Engineering.

April 10th Politics of Sterilization.
SCIENTIFIC AND MEDICAL

Women and Health (Nursing 207) to be WS 307
Women as Scientists and Engineers (Biology 402) to be WS 402

HISTORICAL AND SOCIAL STUDIES

European Women and Politics (Dec. 249) to be WS 214
History of Woman in Science to 1789 (History 315) to be WS 315
Women and Communism, 1789 to Present (History 316) to be WS 316
Women in the Women's Rights Movement (History 330) to be WS 319
Women's Rights Movement: An American Perspective (History 390) to be WS 513

Other and recommended courses to consider:
- Woman Abuse
- Women and Aging

U.S. WOMEN'S HISTORY

Courses with cross-listing:
- Women's Rights Movement: An American Perspective (History 390) to be WS 513
- U.S. Women's History (Am. Stud. 222)
- Cross-listed courses with Women's Studies (Am. Stud. 222)

FILM AND FILM HISTORY

Cross-listed courses with Women's Studies (Am. Stud. 222)
- Contemporary Film History (Am. Stud. 332) US can cross-list
- Women, Film and the Oppression of Woman (WS 335)
- Women's Film History (Women's Studies 230)
- Women's Film History (Women's Studies 332)

Note: Cross listing (new courses at a future date 80-81)
- Women's Film History (Am. Stud. 212) cross list?

OTHER COURSES

- U.S. Women's Writing (WS 234)

INTERDISCIPLINARY

Courses with English
- Women in Literature (Am. Stud. 152)
A brief note on public management issues:

- Case 1:
- Case 2:
- Case 3:

Notes:
- Case 4:
- Case 5:
- Case 6:
- Case 7:
- Case 8:

Details:
- Case 9:
- Case 10:
- Case 11:
- Case 12:

Addendum:
- Case 13:
- Case 14:
- Case 15:
- Case 16:
The Report of The
DIVISION OF CONTINUING EDUCATION
AND
COMMUNITY SERVICES

July 1, 1979 - June 30, 1980

Dr. Rupert A. Trujillo, Dean
# TABLE OF CONTENTS

- Dean's Office Report ............................................. 6
- Bureau of Conferences, Institutes & Short Courses ......... 11
- Child Development Associate/Head Start Supplementary Training Program ........................................... 23
- College Preparatory Program ..................................... 30
- Credit Classes ......................................................... 32
- Eastern Valencia County Satellite Center .................... 38
- Harwood Foundation .................................................. 41
- Independent Study Courses ........................................ 46
- Non-Credit Courses (Community College) ...................... 49
- Non-Degree Status ....................................................... 55
- Registration and Information Center ......................... 58
- Summer Programs ...................................................... 59
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
Daniel E. Atencio  CDA Field Trainer
Mary W. Bullock  Registrar
Victoria M. Burke  Clerical Specialist IV
Christina E. Calcutt  Clerical Spec. IV, CDA/HSST
Rosemary Chavez  Clerical Specialist IV
Terry Double  Program Specialist I
Audrey Esquibel  Clerical Specialist III
Mary Evilsizer  Clerical Specialist III
Marijo Fink  Director of Operations
Rena C. Griego  Department Secretary
Juan Jaramillo  Custodian, Eastern Valencia County Satellite Center
Lorraine M. Gutierrez  Clerical Specialist V
Paul Hermanson  Clerical Specialist IV
Deborah A. Kane  Program Specialist II
Mary McNatt  Clerical Specialist IV
Carmen Maestas  Clerical Specialist IV
Sandra A. Martinez  Administrative Secretary
Reyes Mazon  Part-time Coordinator
    Eastern Valencia County
    Satellite Center
Ann L. Nelson  Director of Summer Programs
Anthony A. Oliver  Director of Credit Programs
Joyce Robbins  Conference Coordinator
Ronald S. Shibata  Accounting Manager
Deborah K. Suttie  Clerical Specialist IV
Roland H. Tovar  Director of Conferences and Institutes
Cynthia D. Turowsky  Clerical Specialist IV
Eva M. Valenzuela  Clerical Specialist IV
Joel A. White  Director of Community College

Terminations and/or Resignations

Annette Gurule, Clerical Specialist III, September 1979
Lonnie Juarez, Coordinator, Eastern Valencia County
Satellite Center, December 31, 1979
David Lopez, Custodian, Eastern Valencia County Satellite
Center, August 1979.
Sara K. Reed, Clerical Specialist IV, December 1979

New Employees, Replacements and/or Changes
Terry Double, Program Specialist I, February 18, 1980
Audrey Esquibel, Clerical Specialist III, September 19, 1979
Mary Evilsizer, Clerical Specialist III, December 20, 1979
Paul Hermanson, Clerical Specialist IV, July 17, 1979
Juan Jaramillo replaced David Lopez, October 31, 1979
Reyes Mazon replaced Lonnie Juarez, January 1980
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 Continuing education Committee has responsibility for formulating and maintaining the general policies regarding branch campuses, 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 services programs of the University, as well as the operational policies of the University properties associated with the continuing education and community services programs, and other matters worthy of attention pertaining to the operation of the division. The Committee evaluates budgetary policy and operation of the division and advises the Vice President for Academic Affairs on these matters. It is also a function of the Committee to advise the President in regard to any new appointment of a Dean of the Division of Continuing Education and Community Services.

Standing Committee membership for the 1978-79 fiscal year consisted of the following:
CHAIRPERSON
Laura Cameron, Mathematics

FACULTY REPRESENTATIVES
Pat Duphorne, Nursing
Myron Fink, Law
Richard Lawrence, Education Admission
Elmer Scholer, HPER
Rod Wagoner, Special Education
Roland Watkins, Pharmacy
Benita Weber, General Library
Joe Zavadil, English

EX-OFFICIO REPRESENTATIVES
Alex Sanchez, Associate Provost for Continuing Education
Robert Weaver, Dean, Admission and Records
Rupert A. Trujillo, Dean, Continuing Education and Community Services
Pat Hauser, Assistant Dean, Continuing Education and Community Services
The 1979-80 fiscal year will be marked as one of the Division's most active and successful years. During this year several significant events were noted. Enrollments and activities increased in every area of Continuing Education. It will be noted that the Division's Bureau of Conferences & Institutes experienced a 44.5 increase over the previous year in the number of conferences, institutes, etc. administered.

As has been the case for the past three years, this entity continued to turn business away. Inadequate facilities and staff shortage were major considerations for this response. Fortunately, staffing has improved for the 1980-81 fiscal year. However, the Bureau's reliance on other UNM units for space and support will continue to hamper growth and efficient operations for this unit.

In spite of reduced level of funding, the Child Development Associate/Head Start Supplementary Training Project continued to deliver education and training to fifty-eight Head Start staff from New Mexico Head Start programs. As of this writing, UNM has been awarded for the third year, funds to conduct state wide training of Head Start staff. Three individuals were assessed and granted the CDA (Child Development Associate): a total of five protected students completed all requirements
for a B.A. or B.S. degree and were awarded degrees from New Mexico Highlands University; UNM and New Mexico State University.

The College Preparatory Program, as predicted, lost ground as a result of UNM's initiation of the Basic Studies program. From a 1979 high of 1136 students, enrollments dropped to 573 for 1980. Summer of 1980 found the program staff planning for an expanded version of PREP in order to (1) broaden the base of participation and (2) an attempt to bolster the enrollment. Should increased enrollments fail to materialize, the program may be phased out.

A major push from Continuing Education to expand credit offerings resulted in substantial gains. FTE's went from 227.37 in 1978-79 to a total of 285.3 FTE for 1979-80.

The future of credit programming for Continuing Education looks bright as more needs are identified. With added staff the Division's efforts at Digital Corporation and other in house training, enrollments should continue to increase.

Eastern Valencia County Resident Center continued on a steady-state regarding enrollments. During the spring of 1980, UNM was selected as the parent institution for the proposed Branch Community College by the two boards of Education--Belen and Los Lunas.
The Harwood Foundation under the capable leadership of James Levy continued to upgrade and increase its delivery services to Taos County residents. Once again, the Harwood received state funding. The prospect of receiving still another EDA grant for renovation of the Alcalde Building is still quite good.

Basic change in policy and procedures produced increased enrollment; decrease in costs per class and decrease in the number of cancelled classes and refunds for Community College. Overall enrollment increased by approximately 1000 for 1979-80 over the previous year.

Perhaps one of the most significant happenings for Continuing Education during 1979-80 was the formulation of short and long range goals for Continuing Education as a total unit and for each specific program. Up to this point considerable energy had been devoted to the organizational structure and reviewing of operating procedures and process. That part being fairly well in place, professional time was directed to revisit the Division's previously written statement of goals and missions. Thus, the staff moved to a long and deliberate discussion of proper goals and mission statements. The process resulted in the following:

The mission of the Division of Continuing Education and Community Services is to assist the University in its commitments by:
1. Facilitating access to University Educational activities, services, and resources for individuals not regularly enrolled at the University.

2. Extending University educational activities, services, and resources to regularly enrolled students.

3. Enriching the educational experiences available to participants by utilizing both physical and human resources of the community.

4. Developing a wide range of academic, vocational, avocational and cultural activities based on the needs and interests of the community utilizing University and community resources.

The goal of the Division of Continuing Education and Community Services is to bring together resources from appropriate disciplines which will help to define current and changing individual and community needs, and develop the curricula and instructional formats to provide educational offerings for individuals with varying backgrounds. This will be accomplished through traditional and non-traditional educational activities which may include but not be limited to: resident and extension credit courses, certificate programs, non-credit courses and courses offering Continuing Education Units, seminars, symposiums, workshops, conferences, independent study, college preparatory and less than four-year degree programs.

Finally the success which Continuing Education has again experienced is due to the fine staff--exempt and non-exempt--performance of daily tasks. The spirit of cooperation among most staff has been a joy to observe.
Filling the position of Associate Provost for Community Education, indeed, has served to address major issues facing Continuing Education at the University of New Mexico.

The support and cooperation received from many, many individuals from the many departments and colleges at UNM allowed the Division to be in a responsive mode to request for services.

By all means, without the community support, in many forms, the success of Continuing Education would not be possible.

Entonces, con todo cariño; a todos les doy un gran abrazo y mil gracias
The Bureau of Conferences and Institutes (BC&I) is a principal component of the non-credit program functions under the Dean of the Division of Continuing Education and Community Services.

BC&I has now completed a five (5) year period of operation and has been undergoing a continuous process of in-depth analysis of its organizational format during the two most recent years. Significant efforts at improving the Bureau's overall structure were initiated during the First Half of FY 1979-80. Changes were made to include:

A) a substantially increased volume of activities i.e., more conferences, workshops, etc.;

B) development of a more precise system of budgeting activities and cost-controls;
C) restructuring an effective marketing system centered on cost efficiency;  
D) defining progressive short and long term goals that are achievable through reasonable logistical support.

A careful analysis has been made of the diverse factors and activities that are a part of the Bureau's normal course of business. The composite data that follows accurately reflects the fluctuations that required attention.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 1975-76</td>
<td>19</td>
<td>19</td>
<td>38</td>
<td>---</td>
<td>---</td>
<td>2750</td>
</tr>
<tr>
<td>FY 1976-77</td>
<td>23</td>
<td>24</td>
<td>47</td>
<td>23%</td>
<td>(14.6%)</td>
<td>2522</td>
</tr>
<tr>
<td>FY 1977-78</td>
<td>18</td>
<td>12</td>
<td>30</td>
<td>(36%)</td>
<td>43%</td>
<td>1605</td>
</tr>
<tr>
<td>FY 1978-79</td>
<td>8**</td>
<td>26**</td>
<td>34</td>
<td>13%</td>
<td>(37.7%)</td>
<td>102%</td>
</tr>
<tr>
<td>FY 1979-80</td>
<td>27**</td>
<td>42**</td>
<td>69</td>
<td>102%</td>
<td>44.5%</td>
<td>2527</td>
</tr>
</tbody>
</table>

( ) Denotes Decrease  
* Over Previous Year  
** Restructuring Implemented

ANNUAL REPORT FY 1979-80

Activities this year more than doubled compared to FY 1978-79. The total number of participants increased to 2,527 compared to 1,605 in 1978-79. The average number of participants per activity increased to sixty-four (64),
### CONFERENCES, INSTITUTES AND SHORT COURSES

<table>
<thead>
<tr>
<th>DATE</th>
<th>TITLE</th>
<th>PARTICIPANTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 8-14</td>
<td>Business Week</td>
<td>125</td>
</tr>
<tr>
<td>July 29-August 4</td>
<td>Jobs for Hispanic Americans</td>
<td>227</td>
</tr>
<tr>
<td>July 30-August 10</td>
<td>Real Estate Appraisal</td>
<td>57</td>
</tr>
<tr>
<td>August 4-7</td>
<td>Cosmetology -- 3.1 CE Units</td>
<td>23</td>
</tr>
<tr>
<td>August 9-10</td>
<td>In Situ Energy Recovery -- 1.5 CE Units</td>
<td>135</td>
</tr>
<tr>
<td>August 10-11</td>
<td>N.M. Association of CLU's</td>
<td>47</td>
</tr>
<tr>
<td>September 8-9</td>
<td>The Commercial Artist -- 1.6 CE Units</td>
<td>32</td>
</tr>
<tr>
<td>September 12-December 29</td>
<td>Open Math</td>
<td>49</td>
</tr>
<tr>
<td>September 21</td>
<td>Elder Hostel Organizational Meetings</td>
<td>12</td>
</tr>
<tr>
<td>September 22-23</td>
<td>Illustration Techniques</td>
<td>26</td>
</tr>
<tr>
<td>September 28</td>
<td>Retirement Benefits -- .5 CE Units</td>
<td>9</td>
</tr>
<tr>
<td>October 6-7</td>
<td>Fashion Illustration -- 1.6 CE Units</td>
<td>18</td>
</tr>
<tr>
<td>October 18-19</td>
<td>National Science Foundation Short Course I</td>
<td>18</td>
</tr>
<tr>
<td>October 20-21</td>
<td>Professional Cartooning</td>
<td>12</td>
</tr>
<tr>
<td>October 26-27</td>
<td>Management Workshop Series -- 1.5 CE Units</td>
<td>11</td>
</tr>
<tr>
<td>October 26</td>
<td>N.M. Historic Bldg. Inventory Workshop³</td>
<td>18</td>
</tr>
<tr>
<td>November 9-10</td>
<td>N.M. Association of Family Therapists -- 1.1 CE Units</td>
<td>47</td>
</tr>
<tr>
<td>November 15-16</td>
<td>National Science Foundation Short Course II</td>
<td>18</td>
</tr>
<tr>
<td>November 17</td>
<td>N.M. Association for Community Education</td>
<td>40</td>
</tr>
<tr>
<td>DATE</td>
<td>TITLE</td>
<td>PARTICIPANTS</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>November 26-30</td>
<td>I.R.S. Tax Practitioners -- 4.8 CE Units</td>
<td>109</td>
</tr>
<tr>
<td>November 29-30</td>
<td>Your Image In Print -- 1.1 CE Units</td>
<td>28</td>
</tr>
<tr>
<td>December 1</td>
<td>Financial and Tax Planning for Physicians and Dentists</td>
<td>54</td>
</tr>
<tr>
<td>December 1-2</td>
<td>Commercial Art II -- 1.6 CE Units</td>
<td>21</td>
</tr>
<tr>
<td>December 7</td>
<td>Management Workshop Series -- .7 CE Units</td>
<td>28</td>
</tr>
<tr>
<td>December 14-16</td>
<td>Single Again Adult</td>
<td></td>
</tr>
<tr>
<td>December 18-20</td>
<td>Coping With Loneliness</td>
<td></td>
</tr>
<tr>
<td>January 9-10</td>
<td>5th Annual Land Surveying -- 1.4 CE Units</td>
<td>101</td>
</tr>
<tr>
<td>January 12-13</td>
<td>Commercial Art I -- 1.6 CE Units</td>
<td>25</td>
</tr>
<tr>
<td>January 25-26</td>
<td>Management Workshop Series -- 1.5 CE Units</td>
<td>16</td>
</tr>
<tr>
<td>January 26-27</td>
<td>T.V. Video</td>
<td>14</td>
</tr>
<tr>
<td>January 31</td>
<td>Stress Management for Executives -- .6 CE Units</td>
<td>14</td>
</tr>
<tr>
<td>February 9-10</td>
<td>Advanced Illustration -- 1.6 CE Units</td>
<td>13</td>
</tr>
<tr>
<td>February 20-24</td>
<td>Expanded Duties in Restorative Dentistry</td>
<td></td>
</tr>
<tr>
<td>March 1-2</td>
<td>Package Graphics -- 1.6 CE Units</td>
<td>4</td>
</tr>
<tr>
<td>March 3-4 &amp; 6-7</td>
<td>National Science Foundation Short Course III</td>
<td>21</td>
</tr>
<tr>
<td>March 7</td>
<td>Management Workshop -- .7 CE Units</td>
<td>23</td>
</tr>
<tr>
<td>March 15-16</td>
<td>Commercial Art II -- 1.6 CE Units</td>
<td>13</td>
</tr>
<tr>
<td>March 17-18</td>
<td>Beech Aircraft</td>
<td>70</td>
</tr>
<tr>
<td>March 17-18</td>
<td>Color Photography -- 1.6 CE Units</td>
<td>14</td>
</tr>
<tr>
<td>March 17</td>
<td>Passive Application of Solar Energy</td>
<td></td>
</tr>
<tr>
<td>March 22-23</td>
<td>The Artist Goes to Market -- 1.6 CE Units</td>
<td>21</td>
</tr>
<tr>
<td>DATE</td>
<td>TITLE</td>
<td>PARTICIPANTS</td>
</tr>
<tr>
<td>--------------------</td>
<td>----------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>March 24-28</td>
<td>Motor Fleet Supervisors Training(^1)</td>
<td></td>
</tr>
<tr>
<td>March 25-27</td>
<td>Fish and Wildlife Management</td>
<td></td>
</tr>
<tr>
<td>April 3-4</td>
<td>Legal Descriptions and Survey Boundary Control -- 1.4 CE Units</td>
<td>54</td>
</tr>
<tr>
<td>April 6</td>
<td>Albuquerque Leadership Conference -- .8 CE Units</td>
<td>10</td>
</tr>
<tr>
<td>April 15-May 1</td>
<td>Japanese Culture Symposium(^2)</td>
<td></td>
</tr>
<tr>
<td>April 18</td>
<td>Management Workshop Series -- .7 CE Units</td>
<td>21</td>
</tr>
<tr>
<td>April 18-19</td>
<td>Family Therapy(^1)</td>
<td></td>
</tr>
<tr>
<td>April 19-20</td>
<td>Advanced Product Photography -- 1.6 CE Units</td>
<td>10</td>
</tr>
<tr>
<td>April 21-23</td>
<td>Photojournalism -- 1.6 CE Units</td>
<td>7</td>
</tr>
<tr>
<td>April 25-27</td>
<td>Congregational Church Workshop</td>
<td>250</td>
</tr>
<tr>
<td>April 26</td>
<td>Stress Away(^1)</td>
<td>14</td>
</tr>
<tr>
<td>May 3</td>
<td>Stress Away(^1)</td>
<td></td>
</tr>
<tr>
<td>May 6</td>
<td>Albuquerque Leadership Conference -- 1.6 CE Units</td>
<td>10</td>
</tr>
<tr>
<td>May 10</td>
<td>Energy Alternatives Workshop(^1) -- .6 CE Units</td>
<td></td>
</tr>
<tr>
<td>May 10-11</td>
<td>Package Graphics -- 1.6 CE Units</td>
<td>4</td>
</tr>
<tr>
<td>May 12-14</td>
<td>Product Photography -- 1.6 CE Units</td>
<td>7</td>
</tr>
<tr>
<td>May 13-15</td>
<td>Title I Directors Meeting</td>
<td>35</td>
</tr>
<tr>
<td>May 16</td>
<td>Management Workshop Series -- .7 CE Units</td>
<td>18</td>
</tr>
<tr>
<td>May 25-28</td>
<td>National Environmental Educators</td>
<td>250</td>
</tr>
<tr>
<td>May 31</td>
<td>Cosmetology(^1)</td>
<td></td>
</tr>
<tr>
<td>June 1</td>
<td>Summer Guitar(^1)</td>
<td></td>
</tr>
<tr>
<td>DATE</td>
<td>TITLE</td>
<td>PARTICIPANTS</td>
</tr>
<tr>
<td>-----------</td>
<td>------------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>June 1-5</td>
<td>Earth Bldg. Materials&lt;sup&gt;1&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>June 2-5</td>
<td>Disabled American Indians</td>
<td>80</td>
</tr>
<tr>
<td>June 8-20</td>
<td>Real Estate Appraisal</td>
<td>36</td>
</tr>
<tr>
<td>June 11-18</td>
<td>Unitarian Universalists Association</td>
<td>12</td>
</tr>
<tr>
<td>June</td>
<td>Albuquerque Leadership Conference -- 1.6 CE Units&lt;sup&gt;2&lt;/sup&gt;</td>
<td>10</td>
</tr>
<tr>
<td>June 22</td>
<td>Embroidery Convention</td>
<td>180</td>
</tr>
<tr>
<td>June 26-27</td>
<td>Indian Health Services Workshop</td>
<td>12</td>
</tr>
</tbody>
</table>

<sup>1</sup>Insufficient enrollment

<sup>2</sup>Canceled by UNM Bureau

<sup>3</sup>Canceled by co-sponsor and UNM Bureau
an increase of two (2) over FY 1978-79.

Activities are itemized below according to date, title and Continuing Education Units (CEU’s) awarded. Specific information pertaining to the growth of Continuing Education Unit courses and activities is summarized and presented after the activity report that follows.
<table>
<thead>
<tr>
<th>LOG NO.</th>
<th>DATE</th>
<th>TITLE</th>
<th>CEU's OFFERED</th>
</tr>
</thead>
<tbody>
<tr>
<td>0925</td>
<td>June 15</td>
<td>Psychosynthesis Professional Training Program</td>
<td>4.5</td>
</tr>
<tr>
<td>0936</td>
<td>July 20</td>
<td>How to Get There from Here</td>
<td>.7</td>
</tr>
<tr>
<td>0937</td>
<td>August 3</td>
<td>Grantsmanship and Proposal Writing</td>
<td>.7</td>
</tr>
<tr>
<td>0938</td>
<td>August 13</td>
<td>Evaluation and Program Development</td>
<td>.7</td>
</tr>
<tr>
<td>0939</td>
<td>August 24</td>
<td>Management Audit of Your Organization</td>
<td>.7</td>
</tr>
<tr>
<td>0940</td>
<td>September 14</td>
<td>Public Policy into Managerial Action</td>
<td>.7</td>
</tr>
<tr>
<td>0942</td>
<td>August 16</td>
<td>4th Annual Sexuality Seminar</td>
<td>1.25</td>
</tr>
<tr>
<td>0943</td>
<td>August 6</td>
<td>Symposium on &quot;The Learning Tree&quot;</td>
<td>3.0</td>
</tr>
<tr>
<td>0944</td>
<td>July 27</td>
<td>Guided Imagery in Counseling</td>
<td>1.0</td>
</tr>
<tr>
<td>0946</td>
<td>August 22</td>
<td>Financial Essentials for Non-Fin. Mgrs.</td>
<td>2.0</td>
</tr>
<tr>
<td>0954</td>
<td>September 17</td>
<td>Personnel Effectiveness Within Your Organization</td>
<td>1.0</td>
</tr>
<tr>
<td>0955</td>
<td>December 5</td>
<td>5th Annual State Housing Conference</td>
<td>1.6</td>
</tr>
<tr>
<td>0956</td>
<td>September 4</td>
<td>National Association of Legal Secretaries-Basic</td>
<td>5.4</td>
</tr>
<tr>
<td>0961</td>
<td>September 10</td>
<td>Managing People</td>
<td>2.0</td>
</tr>
<tr>
<td>0962</td>
<td>September 28</td>
<td>Retirement Plans from Employee's Viewpoint</td>
<td>.5</td>
</tr>
<tr>
<td>0964</td>
<td>September 13</td>
<td>On Behalf of Infants and Their Parenting</td>
<td>1.5</td>
</tr>
<tr>
<td>0972</td>
<td>November 12</td>
<td>Pressure and Stress Management</td>
<td></td>
</tr>
<tr>
<td>0973</td>
<td>Sept. 17-Oct. 17</td>
<td>V.I.D.A.</td>
<td>2.0</td>
</tr>
<tr>
<td>0974</td>
<td>October 15</td>
<td>Women in Management</td>
<td>1.0</td>
</tr>
<tr>
<td>0975</td>
<td>September 21</td>
<td>Guided Imagery in Counseling</td>
<td>1.0</td>
</tr>
<tr>
<td>LOG NO.</td>
<td>DATE</td>
<td>TITLE</td>
<td>CEU's OFFERED</td>
</tr>
<tr>
<td>---------</td>
<td>---------------</td>
<td>----------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>0977</td>
<td>October 19</td>
<td>Psychosynthesis Professional Trng. Progr. Sem. II</td>
<td>4.5</td>
</tr>
<tr>
<td>0978</td>
<td>October 27</td>
<td>A Genetic Disease Workshop-Sickle Cell</td>
<td>0.5</td>
</tr>
<tr>
<td>0979</td>
<td>Varies</td>
<td>Lifeline: Crisis Intervention Training</td>
<td>1.0</td>
</tr>
<tr>
<td>0981</td>
<td>October 11</td>
<td>Helping Young Children and Their Parents</td>
<td>1.4</td>
</tr>
<tr>
<td>0982</td>
<td>December 6</td>
<td>The Human Dimension of Education</td>
<td>1.4</td>
</tr>
<tr>
<td>0983</td>
<td>January 17</td>
<td>Helping Children and Parents Deal With Hospitals</td>
<td>1.3</td>
</tr>
<tr>
<td>0984</td>
<td>December 1</td>
<td>N.M. Skin Cancer Project Conference</td>
<td>1.0</td>
</tr>
<tr>
<td>0985</td>
<td>November 3</td>
<td>Albuquerque Antique Dealers</td>
<td>0.6</td>
</tr>
<tr>
<td>0986</td>
<td>December 12</td>
<td>80's New Perspectives in Human Resources</td>
<td>2.0</td>
</tr>
<tr>
<td>0987</td>
<td>November 28</td>
<td>Managing Technical Project</td>
<td>2.0</td>
</tr>
<tr>
<td>0988</td>
<td>November 12</td>
<td>Career Planning for Management Series</td>
<td>1.0</td>
</tr>
<tr>
<td>0989</td>
<td>February 7</td>
<td>Passive Solar Workshop</td>
<td>1.6</td>
</tr>
<tr>
<td>0990</td>
<td>December 6</td>
<td>Media</td>
<td>0.4</td>
</tr>
<tr>
<td>0991</td>
<td>March 15</td>
<td>Community Education Trng. for Bi-State Soc. Serv.</td>
<td>7.0</td>
</tr>
<tr>
<td>0992</td>
<td>January 9</td>
<td>Crisis Intervention Workshop</td>
<td>3.0</td>
</tr>
<tr>
<td>0993</td>
<td>January 22</td>
<td>Improving Leadership Skills</td>
<td>2.0</td>
</tr>
<tr>
<td>0994</td>
<td>January 31</td>
<td>Basic Management Program</td>
<td>4.5</td>
</tr>
<tr>
<td>0995</td>
<td>January 25</td>
<td>Counseling Young Adults on VD &amp; Pregnancy</td>
<td>0.6</td>
</tr>
<tr>
<td>0996</td>
<td>January 17</td>
<td>National Convention: National Assoc. of Jazz Ed.</td>
<td>1.0</td>
</tr>
<tr>
<td>0997</td>
<td>February 11</td>
<td>Orienting the New Employee for Effectiveness</td>
<td>1.0</td>
</tr>
<tr>
<td>LOG NO.</td>
<td>DATE</td>
<td>TITLE</td>
<td>CEU's OFFERED</td>
</tr>
<tr>
<td>---------</td>
<td>------------</td>
<td>-----------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>1011</td>
<td>January 26</td>
<td>Heart Health Education</td>
<td>.6</td>
</tr>
<tr>
<td>1014</td>
<td>April 8</td>
<td>V.I.D.A.</td>
<td>2.0</td>
</tr>
<tr>
<td>1018</td>
<td>February 26</td>
<td>Time Management and Effective Delegation</td>
<td>2.0</td>
</tr>
<tr>
<td>1019</td>
<td>February 15</td>
<td>Program Approaches for Early Child Assessment</td>
<td>1.0</td>
</tr>
<tr>
<td>1020</td>
<td>March 27</td>
<td>Juvenile Justice System</td>
<td>1.3</td>
</tr>
<tr>
<td>1021</td>
<td>February 28</td>
<td>Cross-Cultural Aspects of Working with Children</td>
<td>1.4</td>
</tr>
<tr>
<td>1022</td>
<td>March 17</td>
<td>Workshop for Exec. Secretaries &amp; Admin. Assistants</td>
<td>1.0</td>
</tr>
<tr>
<td>1023</td>
<td>March 14</td>
<td>Organizational Development</td>
<td>.7</td>
</tr>
<tr>
<td>1024</td>
<td>March 6</td>
<td>Management Effectiveness Workshop</td>
<td>1.3</td>
</tr>
<tr>
<td>1025</td>
<td>March 25</td>
<td>Strategic and Long-Range Planning</td>
<td>2.0</td>
</tr>
<tr>
<td>1026</td>
<td>March 13</td>
<td>Sexuality and the Mentally Retarded</td>
<td>.6</td>
</tr>
<tr>
<td>1027</td>
<td>March 14</td>
<td>Sexuality and the Mentally Retarded</td>
<td>.6</td>
</tr>
<tr>
<td>1028</td>
<td>April 9</td>
<td>V.D. &amp; Vaginists Workshop for Non Clinicians</td>
<td>.6</td>
</tr>
<tr>
<td>1029</td>
<td>April 19</td>
<td>Frisbee Disc Activities for Elementary Schools</td>
<td>1.6</td>
</tr>
<tr>
<td>1030</td>
<td>March 20</td>
<td>Peer Information</td>
<td>1.0</td>
</tr>
<tr>
<td>1031</td>
<td>March 14</td>
<td>Bowel &amp; Bladder Trng. for the Devel. of Disabled</td>
<td>.7</td>
</tr>
<tr>
<td>1032</td>
<td>April 25</td>
<td>Guided Imagery in Counseling</td>
<td>1.0</td>
</tr>
<tr>
<td>1033</td>
<td>March 7</td>
<td>Psychosynthesis Professional Training Program</td>
<td>4.5</td>
</tr>
<tr>
<td>1035</td>
<td>December 14</td>
<td>Program Costs</td>
<td>.7</td>
</tr>
<tr>
<td>1037</td>
<td>April 15</td>
<td>Fundamentals of Modern Personnel Management</td>
<td>2.0</td>
</tr>
<tr>
<td>1038</td>
<td>April 9</td>
<td>Management Facilitator: How to Integrate Training with Management</td>
<td>1.3</td>
</tr>
<tr>
<td>LOG NO.</td>
<td>DATE</td>
<td>TITLE</td>
<td>CEU's OFFERED</td>
</tr>
<tr>
<td>---------</td>
<td>-----------</td>
<td>--------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>1040</td>
<td>April 15</td>
<td>Principles of Fund Accounting</td>
<td>2.1</td>
</tr>
<tr>
<td>1042</td>
<td>May 6</td>
<td>Marketing Management Tools for Growth</td>
<td>2.0</td>
</tr>
<tr>
<td>1043</td>
<td>April 27</td>
<td>Prevention: Working With the Schools</td>
<td>2.5</td>
</tr>
<tr>
<td>1044</td>
<td>April 21</td>
<td>Physically Disabled and Sexuality</td>
<td>0.8</td>
</tr>
<tr>
<td>1045</td>
<td>March 10</td>
<td>Managing</td>
<td>0.9</td>
</tr>
<tr>
<td>1046</td>
<td>June 18</td>
<td>Budgeting and Financial Management</td>
<td>1.5</td>
</tr>
<tr>
<td>1047</td>
<td>May 1</td>
<td>Leading</td>
<td>1.3</td>
</tr>
<tr>
<td>1048</td>
<td>May 19</td>
<td>Women in Management</td>
<td>1.0</td>
</tr>
<tr>
<td>1049</td>
<td>June 10</td>
<td>Native American Management Training Seminar</td>
<td>2.1</td>
</tr>
<tr>
<td>1061</td>
<td>May 27</td>
<td>Managing Technique Projects</td>
<td>2.0</td>
</tr>
<tr>
<td>1062</td>
<td>May 21</td>
<td>Marketing for Non-Profit Organizations</td>
<td>0.7</td>
</tr>
<tr>
<td>1063</td>
<td>June 2</td>
<td>Matching Management Skills with Management Style</td>
<td>1.4</td>
</tr>
<tr>
<td>1066</td>
<td>June 11</td>
<td>Enamel Workshop</td>
<td>1.0</td>
</tr>
<tr>
<td>1069</td>
<td>June 2</td>
<td>Workshop in Expanded Skills for School Nurses</td>
<td>4.0</td>
</tr>
<tr>
<td>1070</td>
<td>June 6</td>
<td>Teaching Sex Education to the Mentally Retarded</td>
<td>0.68</td>
</tr>
<tr>
<td>1071</td>
<td>June 16</td>
<td>Business English Skills</td>
<td>2.4</td>
</tr>
<tr>
<td>1072</td>
<td>March 1</td>
<td>Communicating</td>
<td>1.4</td>
</tr>
</tbody>
</table>
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 education 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, upon request, an official transcript of units earned through UNM.

The following groups of individuals were awarded C.E. Units through the Division:

<table>
<thead>
<tr>
<th>Division</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bureau of Conferences and Institutes</td>
<td>838</td>
</tr>
<tr>
<td>Community College</td>
<td>546</td>
</tr>
<tr>
<td>Summer Programs</td>
<td>16</td>
</tr>
<tr>
<td>Other UNM approved activities*</td>
<td>224</td>
</tr>
<tr>
<td>Total no. of individuals issued</td>
<td></td>
</tr>
<tr>
<td>CE Units by Cont. Ed. FY 1979-80</td>
<td>1624</td>
</tr>
</tbody>
</table>

*Not related to medical CE Units issued from other UNM Departments.
The Child Development Associate CDA/Head Start Supplementary Training (HSST) project was funded through a contract from Region VI in Dallas, Texas to provide services and training to Head Start grantees throughout New Mexico. The original contract was granted in August of 1978 and was to be extended by the Government exercising the option to continue for a subsequent second year. The Government did exercise the option to continue for the period August 1, 1979 through July 31, 1980. There were some differences in the scope of work from the original contract. The 1979-1980 contract was reduced 50% both in funding and in the number of trainees to be trained during the one year period. The funding level was $62,973. for the training of 58 Head Start staff from New Mexico Head Start programs. The major reason for the reduction in scope of work for this contract was the lack of funds on a national scale for CDA/HSST training.

The Child Development Associate Training program provided competency based training to forty-six 46 Head Start employees, throughout the state of New
Mexico. An additional fifteen (15) other Head Start employees, classified as protected, also took an average of six (6) hours of course work toward their degree program during Fall and Spring semesters. In all a total of sixty one (61) Head Start staff were involved in the training program during both Fall 1979 and Spring 1980 semesters.

The training for CDAs during these semesters was individualized and concentrated in the competency areas in which each trainee would have the opportunity to earn six (6) semester hours and would eventually be able to demonstrate high skills and competence. The following are the core competencies which CDAs must acquire for working with young children 3-5 years of age in order to be found competent and successful in the training program:

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.

All of the above content areas were addressed through on-site individualized work, seminars, resource people, specific assignments and through other course requirements made by the CDA field trainer. CDA trainees had the opportunity to register for six (6) hours of University credit for each of the two semesters. During Fall 1979 semester forty-six (46) students were registered for other courses applicable toward their protected degree. In Spring of 1980 forty-five (45) were in CDA training and fourteen (14) were "Protected Students" taking courses. Head Start employees participating in both HSST and CDA training earned a total of five hundred twenty five (525) semester hours for both Fall and Spring semesters. These trainees also earned a total of seventy-five (75) semester hours during the Summer
1979 session. A total of six hundred (600) semester hours was earned during this program year.

During the 1979-1980 program year there were very few CDA trainees assessed and credentialed by the National CDA Consortium. The National CDA Consortium was not funded therefore on a national scale few CDA candidates were assessed. In New Mexico three (3) of our trainees were assessed, found highly competent and received their CDA credential. Many more would have been assessed if the assessing agency would have been in operation throughout the year.

During Fall 1979 and Spring 1980 five (5) of the "Protected Students" completed all of their requirements and received their BA degree. Three (3) "Protected Students" received their BA degree from Highlands University, one (1) from the University of New Mexico and one (1) from New Mexico State University.

Table I provides information about the CDA program, the number of trainees contracted for, those registered and credit earned during the program year.

A breakdown of those Head Start programs which participated in CDA/HSST training is provided on Table II. As can be seen from the list provided, programs from throughout the state of New Mexico participated in the training program. Specific information on each Head Start program is presented to illustrate the extensiveness of the program in offering CDA training opportunities to all New Mexico Head Start grantees.
The CDA/HSST program, during the 1979-1980 program years continued to deliver a much needed service to those Head Start grantees in New Mexico to assist them in achieving National compliance. Many improvements and achievements are becoming obvious because of the intensity of this competency based Child Development Associate training program. The CDA/HSST program has provided Head Start teachers and teacher aides an excellent opportunity to become more skilled in their role as teachers working with young children. The program has maintained a high quality training process which has become evident as trainees are assessed and are rated excellent in their credentialing process.
<table>
<thead>
<tr>
<th></th>
<th>Summer, 1979</th>
<th>Fall, 1979</th>
<th>Spring, 1980</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA PROTECTED</td>
<td>CDA PROTECTED</td>
<td>CDA PROTECTED</td>
<td>CDA PROTECTED</td>
</tr>
<tr>
<td>Total number of trainees</td>
<td>--</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>contracted for</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of trainees registered</td>
<td>10</td>
<td>46</td>
<td>45</td>
</tr>
<tr>
<td>Number of trainees completing</td>
<td>9</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>session</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average number of credits for</td>
<td>5.5</td>
<td>5.5</td>
<td>5.5</td>
</tr>
<tr>
<td>which students are registered</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average number of credits</td>
<td>4.1</td>
<td>5.05</td>
<td></td>
</tr>
<tr>
<td>completed by students</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total number of credits</td>
<td>75.25</td>
<td>303</td>
<td>222</td>
</tr>
<tr>
<td>earned by all students</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total number of trainees</td>
<td>--</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>determined competent and exited</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>this session</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Head Start Program</td>
<td>CDA Trained</td>
<td>Protected Students</td>
<td>Credit Earned</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-------------</td>
<td>--------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Albuquerque</td>
<td>4</td>
<td>-</td>
<td>33</td>
</tr>
<tr>
<td>Chavez Co.</td>
<td>2</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>Dulce-Jicarilla</td>
<td>-</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>East Las Vegas</td>
<td>3</td>
<td>2</td>
<td>39</td>
</tr>
<tr>
<td>Eastern Plains</td>
<td>3</td>
<td>-</td>
<td>18</td>
</tr>
<tr>
<td>Eddy Co. (Artesia)</td>
<td>2</td>
<td>5</td>
<td>76</td>
</tr>
<tr>
<td>Eddy Co. (Carlsbad)</td>
<td>1</td>
<td>3</td>
<td>45</td>
</tr>
<tr>
<td>Eight Northern</td>
<td>2</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>El Grito</td>
<td>3</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>Ialesa</td>
<td>3</td>
<td>-</td>
<td>18</td>
</tr>
<tr>
<td>Laguna</td>
<td>0</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Midwest</td>
<td>6</td>
<td>1</td>
<td>69</td>
</tr>
<tr>
<td>San Juan</td>
<td>3</td>
<td>-</td>
<td>24</td>
</tr>
<tr>
<td>Sandoval Co.</td>
<td>1</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>Santa Fe</td>
<td>3</td>
<td>-</td>
<td>51</td>
</tr>
<tr>
<td>Sierra y Llanos</td>
<td>2</td>
<td>-</td>
<td>24</td>
</tr>
<tr>
<td>Six Sandoval</td>
<td>-</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Ojo Caliente</td>
<td>6</td>
<td>2</td>
<td>100.5</td>
</tr>
<tr>
<td>West Las Vegas</td>
<td>2</td>
<td>1</td>
<td>33.75</td>
</tr>
<tr>
<td></td>
<td>46</td>
<td>22</td>
<td>600.25</td>
</tr>
<tr>
<td>Total Individuals Participating</td>
<td>68</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The Report of The College Preparatory Program
July 1, 1979 - June 30, 1980

The College Preparatory Program is designed to assist persons who are denied admission to the University of New Mexico because of academic and/or subject matter deficiency or for anyone (18 years and older), regardless of educational background; who wishes to improve or review his/her academic skills.

With the initiation of the Basic Skills Program at UNM in the Fall 1979, and with the conditionally admitted student no longer entering the College Preparatory Program, a decrease in College Prep enrollment of nearly 70% in Fall 1979 and Spring 1980 occurred.

The remaining student population, composed primarily of students who had been denied admission to UNM and a few continuing students, could not support the program financially. Additionally, the program was neither designed for nor marketed to the general population, and could, therefore, not rely upon an increase in enrollment from that population.

Total Enrollment Statistics, FY'76 - FY'80

<table>
<thead>
<tr>
<th>FY'76</th>
<th>FY'77</th>
<th>FY'78</th>
<th>FY'79</th>
<th>FY'80</th>
</tr>
</thead>
<tbody>
<tr>
<td>(343)</td>
<td>(268)</td>
<td>810</td>
<td>1136</td>
<td>573</td>
</tr>
</tbody>
</table>

30
Course Statistics (Actual Courses), FY'78 - FY'80

<table>
<thead>
<tr>
<th></th>
<th>FY'78</th>
<th>FY'79</th>
<th>FY'80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>7</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Fall</td>
<td>22</td>
<td>30</td>
<td>15</td>
</tr>
<tr>
<td>Spring</td>
<td>17</td>
<td>18</td>
<td>9</td>
</tr>
<tr>
<td>TOTAL</td>
<td>46</td>
<td>53</td>
<td>30</td>
</tr>
</tbody>
</table>

Beginning in the Fall, 1980, the College Preparatory Program will be "repackaged" to increase its marketability to the general public, in order to broaden the population base.

Although the basic core courses will remain intact, title changes will be made, along with the addition of peripheral courses from the general academic skills areas.

This increase in enrollment for the general population will, with financial consideration aside, broaden the cultural base of the program and strengthen the learning environment.
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 1979 through the Spring Term of 1980. Enrollments are broken into resident and extension categories. As compared to the previous year enrollments are markedly up in the resident category which reflects a major effort by the Division to make this the major credit priority.
<table>
<thead>
<tr>
<th></th>
<th>Number of Classes</th>
<th>Number of Students</th>
<th>Student Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Summer '79</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extension Courses</td>
<td>58</td>
<td>604</td>
<td>1268</td>
</tr>
<tr>
<td>*Resident Courses</td>
<td>37</td>
<td>504</td>
<td>1128</td>
</tr>
<tr>
<td><strong>Fall '79</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extension Courses</td>
<td>28</td>
<td>375</td>
<td></td>
</tr>
<tr>
<td>*Resident Courses</td>
<td>57</td>
<td>947</td>
<td>1805</td>
</tr>
<tr>
<td><strong>Spring '80</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extension Courses</td>
<td>40</td>
<td>564</td>
<td>962</td>
</tr>
<tr>
<td>*Resident Courses</td>
<td>65</td>
<td>1175</td>
<td>2555</td>
</tr>
<tr>
<td><strong>1979-80 Extension (Subtotal)</strong></td>
<td>126</td>
<td>1543</td>
<td>3071</td>
</tr>
<tr>
<td><strong>1979-80 Resident (Subtotal)</strong></td>
<td>159</td>
<td>2626</td>
<td>5486</td>
</tr>
<tr>
<td><strong>1979-80 Total</strong></td>
<td>285</td>
<td>4169</td>
<td>8557</td>
</tr>
<tr>
<td><strong>1978-79 Extension (Subtotal)</strong></td>
<td>158</td>
<td>2104</td>
<td>Not Computed</td>
</tr>
<tr>
<td><strong>1978-79 Resident (Subtotal)</strong></td>
<td>67</td>
<td>910</td>
<td>&quot;</td>
</tr>
<tr>
<td><strong>1978-79 Total</strong></td>
<td>225</td>
<td>3014</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

*Eastern Valencia County Resident Center not included.
TABLE II
FTE STATISTICS

<table>
<thead>
<tr>
<th>Year</th>
<th>Summer</th>
<th>Semester I</th>
<th>Semester II</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1974-74</td>
<td>85.1</td>
<td>167.4</td>
<td>201.9</td>
<td>227.2</td>
</tr>
<tr>
<td>1975-76</td>
<td>120.9</td>
<td>138.3</td>
<td>183.0</td>
<td>221.1</td>
</tr>
<tr>
<td>1976-77</td>
<td>130.4</td>
<td>112.1</td>
<td>149.1</td>
<td>195.8</td>
</tr>
<tr>
<td>1976-77</td>
<td>43.8</td>
<td>88.9</td>
<td>82.0</td>
<td>107.4</td>
</tr>
<tr>
<td>1976-77</td>
<td>174.2</td>
<td>201.0</td>
<td>231.1</td>
<td>303.2</td>
</tr>
<tr>
<td>1977-78</td>
<td>213.47</td>
<td>145.2</td>
<td>241.3</td>
<td>300.0</td>
</tr>
<tr>
<td>1978-79</td>
<td>170.4</td>
<td>120.4</td>
<td>216.4</td>
<td>227.37</td>
</tr>
<tr>
<td>1979-80</td>
<td>159.7</td>
<td>176.4</td>
<td>234.4</td>
<td>285.3</td>
</tr>
</tbody>
</table>

1974-75 was the first year for which FTE statistics were reported. FTE by semester is calculated by dividing the total student credit hour production by thirty (30).

This past year a total of 285 classes were offered to 4,169 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 estab-
lished 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.
Enrollment for Credit Classes
for Last Six Years

<table>
<thead>
<tr>
<th>School Year</th>
<th>74-75</th>
<th>75-76</th>
<th>76-77</th>
<th>77-78</th>
<th>78-79</th>
<th>79-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Students</td>
<td>Total includes Resident Students</td>
<td>Total includes Resident Students</td>
<td>Total includes Resident Students</td>
<td>Total includes Resident Students</td>
<td>Total includes Resident Students</td>
<td>Total includes Resident Students</td>
</tr>
</tbody>
</table>

- Total includes Resident Students
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 '78, 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 need 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:

<table>
<thead>
<tr>
<th>Courses Offered</th>
<th>Student Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 1978</td>
<td>22</td>
</tr>
<tr>
<td>Spring 1979</td>
<td>34</td>
</tr>
<tr>
<td>Fall 1979</td>
<td>30</td>
</tr>
<tr>
<td>Spring 1980</td>
<td>32</td>
</tr>
</tbody>
</table>

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 U.N.M. was formally selected as the Parent Institution. A Branch College Proposal is currently being developed in the Associate Provost's Office.
THE REPORT OF THE HARWOOD FOUNDATION
OF THE UNIVERSITY OF NEW MEXICO, TAOS, N.M.

July 1, 1979 to June 30, 1980

THE HARWOOD ADVISORY BOARD
Arthur Adair
Vivian Barnes
Lucy S. Cruz (Chair)
Cliff Harmon (Vice-Chair)
Van Dorn Hooker
Otto M. Pitcher
John Roush
Meg Salman
Cecilia Torres
Rupert A. Trujillo
Peppy Woodard

THE HARWOOD LIBRARY COMMITTEE
Shirley Bogs
Lucy S. Cruz
Bonifacio Fernandez
Bridget Gallegos
Carolyn Hensley
Eleanor Huff (Treas.)
Michael Knight
Paty Navarrete
Orlando Ortiz (Chair)
Grace Parr
Rebecca Romero
Jeri Vargas (Secretary)

HARWOOD PERSONNEL
Sara Blair
Children's Librarian
John Flexner
Librarian
Dixie Gillette
Sect./Treasurer
Juanita Jaramillo-Lavacie
Oral History Project Dir.
James Levy
Director
Catherine Logue
Children's Librarian
Gilbert Luhan
Custodian
Carmen Medina
Librarian
Tracy McCallum
Librarian
Victoria Plata
Outreach Librarian
Carlos Rendon
Maintenance
Wayne Rice
Caretaker
David Witt
Curator/Registrar
Elizabeth Wolf
Secretary

Juan Navarrete hired 7/2/79
Elizabeth Wolf hired 7/2/79
Joe Ray Romero laid off 7/2/79
Sara Blair hired 8/20/79
Cindy Griego rehired 9/10/79
Juan Navarrete released 10/12/79
David Witt hired 10/23/79
Catherine Logue hired 1/2/80
Victoria Plata hired 1/2/80
Cindy Griego resigned 1/11/80
Gilbert Luhan hired 1/14/80
Juanita Jaramillo-Lavacie Hired 5/19/80
DIRECTOR'S REPORT

The renovation that was completed in September of 1978 has enabled the Harwood to begin to realize its potential as a cultural center. The museum hired its first curator in July 1979 and has taken important steps towards becoming a professional and service-oriented museum. The collections have been carefully inventoried and catalogued. With the exhibit of Joseph Imhof's drawings, the museum began its first year of changing exhibits and will from now on plan a series of exhibits on an annual basis.

The library and the children's library are used by more people and a greater cross-section of the population. Book circulation has increased from 41,253 last year to 51,058 this year. The outreach program reaches some of the outlying villages and could be the first step towards county-wide services.

The Harwood Oral History Program began in May 1980 when Jim Levy and project director Juanita Jaramillo-Lavadie received a week's training in the techniques of oral history. This 18-month program will record one phase of Taos history, and should be the beginning of a comprehensive oral history of Taos.

Finally, the galleries upstairs have become increasingly popular for use by community groups to
hold plays, films, concerts, meetings and other activities.

The next step for the Harwood is the renovation of the Alcalde building, which will house the curator's office, a museum workshop, classrooms and meeting rooms, and art storage.

MUSEUM AND AUDITORIUM

The 1979 Taos Arts Festival Retrospective Exhibit was displayed October 1-7. Louis Ewing's lithographs were on exhibit during the month of April. Eighteen panels of text and photos about the life and work of Albert Einstein were displayed May 19-June 6. An exhibit of Lib White's paintings was on display June 16-July 11, 1980.

Curator/registrar David Witt inventoried all of the collections and laid the groundwork for a systematic catalog of the collections. He also revived the Taos artists' biography project, which is to provide a documented history of Taos art from its beginnings in the 1890's to the present.

The Harwood was the host for the 12th annual meeting and conference of the New Mexico Association of Museums May 23-24.

The museum galleries are used also as meeting rooms, classrooms and an auditorium. In 1979 these spaces were used as follows:
Classes: Eight series of classes, including
Spanish (5), Real Estate Financing,
Plant Use and Identification,
Aesthetics Institute

Concerts: Seven

Plays: Three (one adult, two childrens)

Poetry readings: Eight

Lectures: Eight

Memorial Service: Louis Ribak

Workshops: Ten

Films: Thirteen

Slide Show: Six

Meetings: Thirty-one

The rooms were used 146 times in FY 1979-80 for
these activities.

LIBRARY

The hours of the library were increased from 42 to
47 in May. It continues to be open six days a week and
two evenings. It also has continued its regular AM
radio program.

In 1979-80 the outreach program under Victoria Plata
was expanded to include the jail, hospital, detox center,
juvenile detention center, Taos Senior Citizens, Pueblo
Senior Citizens, homebound people, two pre-schools and
outlying village schools.

An information directory containing the functions,
addresses and officers of Taos area agencies, clubs and
organizations was created for use by library patrons.

An exhibit of books about ecology and farming was
displayed in the library to celebrate Earth Day in May,
and a series of children's art was exhibited in the
The children's library throughout the year.

The children's library offered children's programs once a month during the school year and every Saturday during the summer months of both 1979 and 1980. These include music, painting, clay modelling, flag making, dance, films, games, story telling and many others.

<table>
<thead>
<tr>
<th></th>
<th>1977-78</th>
<th>1978-79</th>
<th>1979-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registered borrowers</td>
<td>4,693</td>
<td>5,754</td>
<td>5,780(1)</td>
</tr>
<tr>
<td>New cards issued</td>
<td>832</td>
<td>1,798</td>
<td>1,697</td>
</tr>
<tr>
<td>Circulation: Adult</td>
<td>25,415</td>
<td>23,814</td>
<td>34,373</td>
</tr>
<tr>
<td>Juvenile</td>
<td>8,549</td>
<td>12,439</td>
<td>16,685</td>
</tr>
<tr>
<td>Total</td>
<td>33,964</td>
<td>41,253</td>
<td>51,058</td>
</tr>
</tbody>
</table>

Interlibrary loans
Books borrowed from other libraries

314
311
461

footnote:

PHYSICAL PLANT

The driveway was paved in October 1979, a significant improvement to the operation. The terraces on the south side of the property were landscaped, mostly by volunteers, and have become a pleasant place for patrons to read or children to play. The flower beds on the north were contained by curbs in April 1980 and now contain trees, bushes, and many flowers.

Inside, head custodian and maintenance man Carlos Rendon has put in new runners and stair treads to the galleries and has done a superb job in maintaining the wooden floors. All of the walls of the first floor were painted over the winter.
INDEPENDENT STUDY COURSES

Independent Study course enrollment showed an increase of 58% this past year. Part of the increase may be due to the many revisions done this year as listed below. Many courses which were not salable due to the need for revision were back on line.

Courses Revised During 79-80

<table>
<thead>
<tr>
<th>Course</th>
<th>3 credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics 315C: Money and Banking</td>
<td></td>
</tr>
<tr>
<td>Library Science 427C: Classification &amp; Cataloging</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Education 441C: Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>English 101C: Writings with Readings in Exposition</td>
<td>3</td>
</tr>
<tr>
<td>English 294C: Survey of Earlier English</td>
<td>3</td>
</tr>
<tr>
<td>English 295C: Survey of Later English Literature</td>
<td>3</td>
</tr>
<tr>
<td>Math 120C: Intermediate Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Math 121C: College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Math 162C: Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Math 163C: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>Math 264C: Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Nursing 408C: Body Fluids and Electrolytes</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy 110C: Intro to Philosophical Problems</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy 156C: Intro to Logic</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 211C: Social Problems: Selected Topics</td>
<td>3</td>
</tr>
<tr>
<td>Spanish 101C: Elementary Spanish</td>
<td>4</td>
</tr>
<tr>
<td>Spanish 102C: Elementary Spanish</td>
<td>4</td>
</tr>
<tr>
<td>Spanish 201C: Intermediate Spanish</td>
<td>3</td>
</tr>
<tr>
<td>Spanish 202C: Intermediate Spanish</td>
<td>3</td>
</tr>
</tbody>
</table>
The number of students actually enrolled in courses during 1978-79 including new enrollments, carry-overs, withdrawals and completions was 2,087. 673 students were enrolled in all courses during 1979-80 as compared to 396 in 1978-79. The enrollment by month is depicted in the following chart.

Enrollments During July 79-June 80

<table>
<thead>
<tr>
<th>Month</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td>46</td>
</tr>
<tr>
<td>August</td>
<td>81</td>
</tr>
<tr>
<td>September</td>
<td>55</td>
</tr>
<tr>
<td>October</td>
<td>51</td>
</tr>
<tr>
<td>November</td>
<td>31</td>
</tr>
<tr>
<td>December</td>
<td>36</td>
</tr>
<tr>
<td>January</td>
<td>34</td>
</tr>
<tr>
<td>February</td>
<td>39</td>
</tr>
<tr>
<td>March</td>
<td>51</td>
</tr>
<tr>
<td>April</td>
<td>93</td>
</tr>
<tr>
<td>May</td>
<td>74</td>
</tr>
</tbody>
</table>

**TOTAL** 673
<table>
<thead>
<tr>
<th>Year</th>
<th># of Courses Offered</th>
<th>Enrollments</th>
<th>% of Increase or Decrease</th>
<th>Total</th>
<th>States</th>
<th>New Mexico Counties</th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-73</td>
<td>86</td>
<td>310</td>
<td></td>
<td>574</td>
<td>38</td>
<td>22</td>
<td>6</td>
</tr>
<tr>
<td>73-74</td>
<td>84</td>
<td>235</td>
<td></td>
<td>456</td>
<td>32</td>
<td>26</td>
<td>6</td>
</tr>
<tr>
<td>74-75</td>
<td>85</td>
<td>164</td>
<td></td>
<td>356</td>
<td>32</td>
<td>26</td>
<td>6</td>
</tr>
<tr>
<td>75-76</td>
<td>87</td>
<td>178</td>
<td></td>
<td>400</td>
<td>27</td>
<td>24</td>
<td>5</td>
</tr>
<tr>
<td>76-77</td>
<td>94</td>
<td>251</td>
<td></td>
<td>644</td>
<td>30</td>
<td>27</td>
<td>7</td>
</tr>
<tr>
<td>77-78</td>
<td>91</td>
<td>278</td>
<td></td>
<td>749</td>
<td>32</td>
<td>26</td>
<td>3</td>
</tr>
<tr>
<td>78-79</td>
<td>89</td>
<td>137</td>
<td></td>
<td>396</td>
<td>24</td>
<td>27</td>
<td>2</td>
</tr>
<tr>
<td>79-80</td>
<td>91</td>
<td>230</td>
<td></td>
<td>673</td>
<td>27</td>
<td>26</td>
<td>11</td>
</tr>
</tbody>
</table>
The Report of The Community College  
(Non-credit courses)  
July 1, 1979 - June 30, 1980

The Community College program has seen, over the past year, a marked increase in both the number of actual classes and the total enrollment.

In light of the fluctuation in the growth rates over the preceding five years (although positive growth has been accomplished each year), a special effort has been made to identify and analyze the variables affecting healthy and sustained growth. (Class offerings, enrollments, average number of students per class, class fees, advertising and promotions, and class cancellation policies).

The results of these studies indicated a need to increase advertising and promotions while stabilizing course fees (in view of the economic changes in the community), and a revision of the class cancellation policy. The initiation of these conclusions effectively increased the number of classes closed (filled) to its prior level, increased total enrollment 11.4% and increased the number of actual classes 13.2% while offering only 7% more classes.

Application and refinement of this data, coupled with ongoing studies, should ultimately lead to a sustained growth pattern for Community College.
### Enrollments Statistics, FY'75 - FY'80

<table>
<thead>
<tr>
<th>FISCAL YEAR</th>
<th>TOTAL REGISTRATION</th>
<th>SEMESTERS</th>
<th>AVG. NUMBER OF STUDENTS PER CLASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>'75</td>
<td>5046</td>
<td>Fall-2522</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spring-2524</td>
<td>22</td>
</tr>
<tr>
<td>'76</td>
<td>6541</td>
<td>Fall-3071</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spring-3470</td>
<td>24</td>
</tr>
<tr>
<td>'77</td>
<td>6675</td>
<td>Fall-3341</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spring-3334</td>
<td>24</td>
</tr>
<tr>
<td>'78</td>
<td>7697</td>
<td>Fall-3800</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spring-3897</td>
<td>27</td>
</tr>
<tr>
<td>'79</td>
<td>7897</td>
<td>Fall-3846</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spring-4051</td>
<td>22</td>
</tr>
<tr>
<td>'80</td>
<td>8803</td>
<td>Fall-4353</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spring-4450</td>
<td>22</td>
</tr>
</tbody>
</table>

### Class Statistics, FY'75-FY'80

<table>
<thead>
<tr>
<th>FISCAL YEAR</th>
<th># CLASSES OFFERED</th>
<th># CLASSES CANCELLED</th>
<th># CLASSES ACTUAL</th>
<th># CLASSES CLOSED</th>
<th>AVG. TUITION FEE</th>
</tr>
</thead>
<tbody>
<tr>
<td>'75</td>
<td>Fall-117</td>
<td>6</td>
<td>103</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Spring-143</td>
<td>20</td>
<td>115</td>
<td></td>
<td></td>
</tr>
<tr>
<td>'76</td>
<td>Fall-145</td>
<td>10</td>
<td>135</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Spring-158</td>
<td>16</td>
<td>142</td>
<td></td>
<td></td>
</tr>
<tr>
<td>'77</td>
<td>Fall-148</td>
<td>12</td>
<td>136</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Spring-151</td>
<td>15</td>
<td>136</td>
<td></td>
<td></td>
</tr>
<tr>
<td>'78</td>
<td>Fall-170</td>
<td>20</td>
<td>150</td>
<td>49</td>
<td>$36.</td>
</tr>
<tr>
<td></td>
<td>Spring-172</td>
<td>30</td>
<td>142</td>
<td>49</td>
<td>$36.</td>
</tr>
<tr>
<td>'79</td>
<td>Fall-208</td>
<td>46</td>
<td>162</td>
<td>46</td>
<td>$30.</td>
</tr>
<tr>
<td></td>
<td>Spring-218</td>
<td>32</td>
<td>186</td>
<td>38</td>
<td>$36.</td>
</tr>
<tr>
<td>'80</td>
<td>Fall-212</td>
<td>23</td>
<td>189</td>
<td>47</td>
<td>$35.</td>
</tr>
<tr>
<td></td>
<td>Spring-230</td>
<td>25</td>
<td>205</td>
<td>49</td>
<td>$35.</td>
</tr>
</tbody>
</table>
Profile data on the Community College student over a six year period indicates no significant change during this time.

**Student Profile, Composite**

(Approximate figures)

<table>
<thead>
<tr>
<th>Sex:</th>
<th>33% male, 67% female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age:</td>
<td>51% - 26 to 40 years old</td>
</tr>
<tr>
<td></td>
<td>24% - 41 to 60 years old</td>
</tr>
<tr>
<td></td>
<td>17% - Under 26 years old</td>
</tr>
<tr>
<td></td>
<td>8% - Over 60 years old</td>
</tr>
<tr>
<td>Avg. Age:</td>
<td>36 years</td>
</tr>
<tr>
<td>Education:</td>
<td>33% have had &quot;some college&quot;</td>
</tr>
<tr>
<td></td>
<td>47% have BA or higher</td>
</tr>
<tr>
<td></td>
<td>20% have had HS - no college</td>
</tr>
</tbody>
</table>

The Community College has continued in its efforts to offer classes at locations other than the UNM campus. The Albuquerque Public Schools (high schools) remain our primary source of off-campus facilities. Other facilities have been churches, community centers, recreation centers, shopping center meeting rooms, Kirtland AFB, Albuquerque TV-I and privately owned craft shops.

Included in this effort has been an expansion of offerings at Cibola High School to service the Corrales, Taylor Ranch and Paradise Hills area. Future programming includes expansion into Rio Rancho proper with a few course offerings and a planned Community survey.

Programs and services in cooperation with other University
departments will increase substantively in the upcoming fiscal year, with the successful establishment of communication channels and the exchange of ideas.

A cooperative program with the Modern and Classical Languages Department in a Languages for Children effort (planned for Spring 1981) will effectively combine several existing University non-credit courses; increasing marketability and cost effectiveness.

Cooperative programs with several other University departments are currently being planned or are under way.

Instances where Community College program services have been contracted for by private organizations have increased, with courses for the medical professions being offered at Lovelace-Bataan Medical Center and NM Professional Standards Review Organization. Current efforts in this area have been successful, and future programming increases are indicated.

The Community College continued to offer only one certificate program in Real Estate during the past year, however, a non-certificate generating program, "Business Goes to College", was begun during the Spring, 1980 Semester and proved highly successful. This program, a combination of courses and workshops, will be continued during the Fall, 1981 with variable program topics.
The Real Estate Certificate program has seen a marked decline in the number of enrollments, partially due to the expiration of the time period for continuing education, as legislated by the state. In response to this, efforts are being made to modify the program to service, not only the individual seeking licensing, but also the practising professional agent and broker.

Although The Community College primarily serves persons 18 years of age and older, historically some courses for children have been offered. This effort has been expanded slightly with above average results.

Additionally, services to persons over 60 years old have expanded, and enrollments have begun to increase.

A professional examination review program in engineering, initiated in the Spring, 1979, increased substantially in enrollments during 1980, and additional requests for other programs of this nature are currently being studied.

As a consequence to the growth and expansion of the Community College, an emphasis for the coming year has been placed on organization and marketing; and increased attention to the mainstay of the Community College, the instructors.

Toward this end, and in addition to the University benefits obtained for Community College instructors during
the preceding year, we will be extending additional services and reviewing instructional support systems in an effort to maintain the high-quality of instructors which the program has enjoyed.
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 enrollment figures are reported for the past six years:

Comparison of Students Registered in Non-Degree Status for the Past Six Years

(Regular Semester Only)

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Students</th>
<th>% of Increase or Decrease Over Corresponding Periods</th>
<th>Total for Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1974-75</td>
<td>1st</td>
<td>3114</td>
<td>9.19% Increase</td>
<td>6125</td>
</tr>
<tr>
<td></td>
<td>2nd</td>
<td>3011</td>
<td>19.39% Increase</td>
<td></td>
</tr>
<tr>
<td>1975-76</td>
<td>1st</td>
<td>3548</td>
<td>13.94% Increase</td>
<td>7165</td>
</tr>
<tr>
<td></td>
<td>2nd</td>
<td>3617</td>
<td>20.13% Increase</td>
<td></td>
</tr>
<tr>
<td>1976-77</td>
<td>1st</td>
<td>3950</td>
<td>11.33% Increase</td>
<td>7667</td>
</tr>
<tr>
<td></td>
<td>2nd</td>
<td>3717</td>
<td>2.76% Increase</td>
<td></td>
</tr>
<tr>
<td>1977-78</td>
<td>1st</td>
<td>4538</td>
<td>14.89% Increase</td>
<td>7645</td>
</tr>
<tr>
<td></td>
<td>2nd</td>
<td>3107</td>
<td>19.63% Decrease</td>
<td></td>
</tr>
<tr>
<td>1978-79</td>
<td>1st</td>
<td>3049</td>
<td>32.81% Decrease</td>
<td>6212</td>
</tr>
<tr>
<td></td>
<td>2nd</td>
<td>3163</td>
<td>1.83% Increase</td>
<td></td>
</tr>
<tr>
<td>1979-80</td>
<td>1st</td>
<td>3441</td>
<td>11.4% Increase</td>
<td>7283</td>
</tr>
<tr>
<td></td>
<td>2nd</td>
<td>3842</td>
<td>21.1% Increase</td>
<td></td>
</tr>
</tbody>
</table>
The Division prepares and maintains personal folders for all students in Non-Degree status. Through these folders up-to-date academic records on 8,911 students enrolled in Non-Degree status were kept during the past academic year. (This figure includes students enrolled for the Summer Session of 1979.)

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 1978-79 year, sixty-five Non-Degree students were suspended; 1,055 students were placed on probation; 287 students were continued on probation; and 97 students were released from probation.

### Non-Degree Probation and Suspension Figures

<table>
<thead>
<tr>
<th></th>
<th>Placed on Probation</th>
<th>Continued on Probation</th>
<th>Suspended</th>
</tr>
</thead>
<tbody>
<tr>
<td>1975-76</td>
<td>681</td>
<td>240</td>
<td>16</td>
</tr>
<tr>
<td>1976-77</td>
<td>895</td>
<td>246</td>
<td>82</td>
</tr>
<tr>
<td>1977-78</td>
<td>963</td>
<td>316</td>
<td>72</td>
</tr>
<tr>
<td>1978-79</td>
<td>1001</td>
<td>287</td>
<td>67</td>
</tr>
<tr>
<td>1979-80</td>
<td>1055</td>
<td>314</td>
<td>67</td>
</tr>
</tbody>
</table>

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. In the Fall of 1979, in cooperation with the Admissions
Office and various college advisement centers, two sessions were held in the late afternoon and evening for Non-Degree students, to offer academic advisement and information regarding transfer from Non-Degree status. Additionally, in the Spring of 1979, the various college advisement centers agreed to offer academic advisement to Non-Degree students, this practice has continued to date with satisfactory results.
REGISTRATION AND INFORMATION CENTER

Since 1978 when the Division reorganized along lines of Operations and Programs, the primary function of Operations personnel has been to register students in and provide information about Continuing Education programs.

Currently, there are six program clerks each responsible for registration, record keeping, and providing information about their respective areas - Non-Credit courses, Conferences and Institutes, Non-Degree, Extension, and Independent Study. In addition the Center's contract clerk, cashier, and receptionists have responsibility for functions covering all programs. The Registration and Information Center relies heavily on occasional staff during registration periods.

In order to provide the best service possible to the Division's clients, all personnel are cross-trained in the different programs. Enhancement of this was furthered by remodeling the registration center in early 1980 so that all program registration is located in one area. The centralization of staff has been quite successful.

Other functions of the Registration and Information Center include rental of some UNM facilities, processing of Continuing Education Units, rental of the D.H. Lawrence Ranch and distribution of all Division publications.
Summer 1979 featured an expansion of non-credit offerings to include 27 different courses which enrolled over 1000 people. The focus of the program was recreation and classes which combined classroom sessions with outdoor activities. These included courses in fishing, hiking, backpacking, horseracing, and orienteering. Classes also included the study of photography, New Mexico birds, and the Indian Country. Included in the summer programs were Youth Sports Fitness School and Gymnastic Clinic for youth which enrolled 250 students.

A separate brochure was published which featured non-credit classes as well as other Continuing Education summer offerings.
THE REPORT OF THE SCHOOL OF ARCHITECTURE AND PLANNING

JULY 1, 1979 - June 30, 1980

DON P. SCHLEGEL ACTING DEAN

I-A. GENERAL INFORMATION

A1. Additional Physical Space

The new wing added to the existing Architectural Building was occupied for the first time this fall. It provides 2750 square feet of space which is now assigned to the Graduate Program in Architecture. This space should be adequate as long as the Graduate Architectural Program remains the same size.

A2. Administrative Changes

Dean Morton Hoppenfeld at the January faculty meeting announced his resignation, effective at the end of the second semester in order to return to private practice in Washington, D.C. and to accept a position on the faculty staff at Howard University. On May 15, 1980, Professor Donald P. Schlegel was appointed Acting Dean until a new dean was appointed and on campus.

A3. Dean’s Search Committee

The Search Committee was formed in February, names were submitted by the faculty and the administration approved:

Dean Robert Desiderio, Dean of the School of Law, Chairman
Mrs. George Maloof, Member of the Board of Regents
Donald P. Schlegel, Professor, School of Architecture and Planning
William J. Siembieda, Associate Professor, School of Architecture and Planning
Richard S. Nordhaus, Associate Professor, School of Architecture and Planning
The position was advertised nationally and the committee received inquiries from 60 applicants. After review, this was reduced to a short list of 12 candidates. These 12 candidates were asked to submit additional material, a brochure of their work, published papers, and a statement of their interests and concerns as a Dean of the School of Architecture and Planning. This list was then reduced to four candidates who were invited to campus:

Michel Pillet, Director of Art and Architecture, Southwestern Louisiana University, Lafayette, Louisiana

Hayden May, Chairman, Department of Architecture, University of Miami, Oxford, Ohio

Allan Forrest, former Chairman, Department of Architecture, Pratt Institute, Brooklyn, New York

George Anselevicius, Chairman, Department of Architecture, State University of New York, Buffalo, New York

The committee submitted the names of George Anselevicius as their first choice and Allan Forrest as their second choice to Provost Hull.

As of this date the Administration is still negotiating with George Anselevicius.
A4. Graduate Planning Program

The degree of Master of Community and Regional Planning was formally approved by the University and the Bureau of Educational Finance (B.E.F) in the spring. The first class of this two year program will begin in the fall of 1980.

Professor William J. Siembieda was appointed Director, and even though he had very little time to advertise, he received 35 applications. It was decided that the entry class should not exceed 20 students, which would mean that in three or four years the program would not exceed (including part-time) 50 students.

A5. A Summer Workshop in Taos

The Appropriate Technology Workshop was created in response to a request from the Provost's Office for innovative summer programs for 1979. With the Dean's encouragement, Enid Howarth, Paul Lusk, Edith Cherry, Barbara McReynolds, Jim Wilson, Geoff Bell, and Jay Burke, faculty and students from the School of Architecture and Planning, met weekly beginning in October, 1978, to invent, organize and plan a summer workshop for architecture students. None of us could have anticipated the time and energy required to deal with the array of problems and opportunities presented by this enterprise. Marijo Fink and Tony Oliver from Continuing Education later became essential in working with the logistical and financial aspects of the workshop. Ron Romero and Greg Baczek were hired as the construction supervisors in the final planning stages and their involvement and expertise in design and building facilitated the necessary preparations for the construction process.
Twenty-one students participated for four weeks in the Summer 1979 Appropriate Technology Workshop at the D. H. Lawrence Ranch. The students retrofitted Santo Domingo Cabin to make it more water and energy conservative, participated in the design studio taught by UNM faculty and visiting specialists, and attended evening lectures by a wide range of visiting experts. The tangible products of the Workshop include the retrofitted cabin, graphics and a brochure showing how each energy conservative element in the cabin works; data relating to soil, water and climate; and extensive report on the water situation at the ranch, and raku kiln.

A6. Service to the State of New Mexico
   a. The Design and Planning Assistance Center (DPAC)

   This is the clinical educational arm and community service organization of the University of New Mexico, sponsored by the School of Architecture and Planning. The Design Center provides architecture and planning assistance to groups and individuals throughout New Mexico who cannot afford to pay conventional professional fees.

   Under the supervision of its director, Edward B. Norris, AIA, the DPAC staff has worked on nearly 40 projects during the past year. The staff is composed of VISTAs trained in architecture, planning, environmental studies, or communications, and of architectural and planning students from the University of New Mexico.

   In addition to assisting in the design of several playgrounds and a retirement center in Albuquerque, the Design Center has provided the design for a self-help housing project and a health clinic in the Carlsbad area. The DPAC has also designed a legal services building at Santa Ana Pueblo, and a natural garden for Red
Rock State Park. Together with the School of Architecture and Planning, the Design Center has assisted the Village of Chama in obtaining a grant from the Farmers' Home Administration and in the creation of a community development plan based on citizen participation.

Other projects include the designing of a fire station in Duran, New Mexico, and a greenhouse and conference center in Tijeras, New Mexico. The Design Center offers a continuing program of design assistance to low income rural families in Torrance County. Four Navajo housing projects for the physically or mentally handicapped, designed by students and VISTA volunteers, have been funded by the Menninger Foundation.

In response to the increasing interest and demand for solar design, the DPAC staff has participated in several workshops. As part of their training, the VISTAs at the Design Center have attended conferences at the New Mexico Solar Energy Institute in Las Cruces and in Socorro. Last summer, graduate students' efforts resulted in a successful Handicapped Design Workshop at Lukachukai, Arizona.

The Design Center's Advisory Board has met several times during the year to participate in the project selections, fund raising efforts, and to evaluate program goals and objectives. Ten of the 20 members are representative of the state-wide community served by the DPAC, while the remaining members represent the University, the DPAC staff, and the professions related to DPAC's activities.

b. The New Mexico Historical Building Inventory

The University of New Mexico School of Architecture and Planning
contracted with the State Historical Preservation Bureau in the fall of 1978 to conduct this pilot project for the purposes of developing a standard inventory form, testing the form in a selected area and developing a survey procedure. Torrance County was chosen as the pilot area because of its proximity to Albuquerque. Later the survey team was invited by the Governor of Zuni Pueblo to inventory some areas of Zuni.

On completion of the pilot project, a draft of a procedural manual was written. In the fall of 1979, a review session was held at the University of New Mexico, and at that time it was decided to completely revise the Manual in order to incorporate the suggestions which had been offered. The responsibility for the revisions of the Manual has been delegated to Research Assistants Beverly Barsook and Chris Wilson, under the direction of Assistant Professor Edith Cherry. Editing will be done by Susan Dewitt of the Albuquerque Historic Landmarks Survey. The field survey was conducted through the spring under the direction of Professor Robert Cohlmeyer.

c. Chama Project

The preparation of the Community Plan for the Village of Chama and Surrounding Area has been a year-long cooperative effort by people from the Village of Chama and the Tierra Amarilla Valley in northern New Mexico and the UNM School of Architecture and Planning. The Village, aided by a grant of $22,464 from the Farmer's Home Administration (FmHA) and by in-kind time and services contributed by the University contracted through the Design and Planning Assistance Center (DPAC) to help them develop long term goals and an action plan to cope with the impacts of various proposals centered around Chama.
Working through public meetings and an action committee formed by citizens from the area the Community Plan was completed in September.

d. The Institute for Environmental Education

Awards:

1. The UNM - IEE received a special Award of Recognition from the National Endowment for the Arts. Co-Director Anne Taylor, who received the initial grant to establish the Institute will be so honored in a special publication of the Design Arts Division of the National Endowment for the Arts.

Conference Sponsorship:

The IEE co-sponsored with the National Association for Environmental Education a conference in Albuquerque, New Mexico. It was the first time the NAEE addressed the built-environment education. Three sessions were devoted to the topic. Those conference leaders included:

Aase Eriksen, Ph.D., Coordinator, National Architect in the School's program
Alan Sandler, Director, Environmental Education, AIA
Ed Crittenden, FAIA, Commission for Environmental Education, AIA
Doreen Nelson, Director, City Building Project
Jorge Bendick, California Education, Colleague of Doreen Nelson, Migrant Program
Don Wall, Professor, New Jersey School of Architecture
Joanne H. Pratt, Allied Professionals Educational Consulting Services

As a result of the conference, a position statement on built environment education was formulated by conference leaders for inclusion in the NEEE Yearbook.
A7. Visiting Lecture Program

The following persons were brought to the School to give formal lectures. These were often accompanied by informal meetings with students in their class settings or coffee hours following the lecture:

Hugh N. Jacobsen, FAIA, President of H. N. Jacobsen, Washington, D.C., "Design for City Living."

Benny M. Gonzales, FAIA, President of B. M. Gonzales Associates, Phoenix, Arizona, "Searching for A Regional Architecture."

Ralph Knowles, AIA, School of Architecture and Planning, University of Southern California, Los Angeles, California, "Responding To The Elements - Energy Conservative Design."


Morton Hoppenfeld, AIA, AICP, Dean, School of Architecture and Planning, University of New Mexico, Albuquerque, New Mexico, "Timeless Values As Directions for Design."

Frank O. Gehry, FAIA, President, Frank O. Gehry and Associates, Santa Monica, California, "Making the Ordinary Extraordinary."

M. Paul Friedberg, M. Paul Friedberg and Partners, New York, New York, "It Is Not The Buildings That Count."

A8. Statistical Data

Enrollment (Head Count)

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Fall, 1978</th>
<th>Fall, 1979</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture</td>
<td>128</td>
<td>106</td>
<td></td>
</tr>
<tr>
<td>Environment</td>
<td>0</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>
Enrollment - Head Count (continued)

<table>
<thead>
<tr>
<th>Graduate</th>
<th>Fall, 1978</th>
<th>Fall, 1979</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture</td>
<td>84</td>
<td>88</td>
<td>+ 4.7</td>
</tr>
<tr>
<td>Planning</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

| Credit Hours, Total | 2740 | 2946 | + 7.56 |

| FTE (15 hrs.)       | 182   | 196   | 7.00  |
| Survey Courses      | 879   | 1002  | 13.9  |
| (100 level)         |       |       |       |
| Undergraduate       | 1496  | 1579  | 5.0   |
| (200 & above)       |       |       |       |
| Graduate            | 368   | 365   | 0     |
| (500 & above)       |       |       |       |

Graduated Summer, 1979 Fall, 1979 Spring, 1980 Total

| Architecture       |       |       |       |       |
| Undergraduates     | 2     | 13    | 20    | 35    |
| Graduates          | 1     | 8     | 3     | 12    |

| Environmental Design |       |       |       |       |
| Undergraduate       | 0     | 0     | 1     | 1     |

| Community & Regional Planning |       |       |       |       |
| Graduates                |       |       |       |       |

Courses Offered Fall, 1978 Fall, 1979 %

| Regular (Listed in catalog) | 30 | 27 | - 10% |
| Seminars                   | 9  | 7  | - 22% |

Applicants Fall, 1979

<table>
<thead>
<tr>
<th>Applied</th>
<th>Admitted</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Undergraduate |       |       |       |       |
| Architecture  | 63    | 50    |       |       |
| Environmental Design | -     | -     |       |       |

| Transferred from other universities |       |       |       |       |
| Architecture | 9     | 5     |       |       |
| Environment  | 0     | 0     |       |       |
Applicants (continued)  

<table>
<thead>
<tr>
<th>Graduate</th>
<th>Applied</th>
<th>Admitted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Architectural</td>
<td>52</td>
<td>15</td>
</tr>
<tr>
<td>Architecture, Regular</td>
<td>13</td>
<td>9</td>
</tr>
<tr>
<td>Architecture, Special</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>Planning</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

A9. **Special Grants and Studies**

a. A grant from the National Endowment for the Arts in the amount of $20,000 was received to research and prepare a Post-Occupancy Evaluation Handbook for Practitioners. Purpose is to develop strategies for cost-effective post-occupancy evaluations of buildings by architectural practitioners.

The principal investigator is Associate Professor WFE Preiser.

b. Another grant was received from the National Endowment for the Arts in the amount of $7,800 for a survey in the United States and Australia of architectural mechanisms for controlling visual quality and compatibility in architecture.

The principal investigator is Associate Professor Wolfgang F.E. Preiser.

c. A grant project directed by Graduate Student Kevin Rohane was completed, endowed by the National Science Foundation in the amount of $12,000. The project was research and development of guidelines for designing activity settings in elementary school playgrounds.

d. A grant in the amount of $12,000 was received from the National Science Foundation to test and evaluate aspects of a tactual building directory for the visually handicapped users of the University of New Mexico Student Union Building.
Project directors for the grant were W.E. Preiser, Associate Professor, School of Architecture and Planning, and Mark Brecht, Assistant Professor of Psychology at UNM.

e. A grant in the amount of $3,997.00 was received from the Association of Collegiate Schools of Architecture, and the National Endowment for the Arts for a study on environmental education demonstration.

Graduate student Earl Mark was the director of the project.

IB. Significant plans and recommendations for the School will be postponed until a new dean has been selected.

IC. There have been no full time appointments to the staff for this academic year.

Part-time, temporary appointments were as follows:

Fall Semester, 1979:
- Baker Morrow to teach Landscape Architecture
- Stephen Earnest to teach second year Design Studio
- Job Ebenezer to teach Appropriate Technology

Spring Semester, 1980:
- Stuart Harroun to teach Acoustics in Architecture
- Bob Uhl to teach Lighting in Architecture
- Guy Johns to teach Site Planning
- Baker Morrow to teach Landscape Architecture
- Bart Prince to teach an advanced Design Studio
- Barbara McReynolds to teach Art Experience
- Pat Richards to teach Architecture Programming
Spring Semester Appointments (continued)

- Peter Marino to teach beginning Design Studios
- Howard Kaplan to teach second year Design Studio

ID. Ned Cherry resigned from the faculty at the end of Fall Semester, December 20, 1979, to work in an architectural firm.

Dean Morton Hoppenfeld resigned as of May 15, 1980, to accept an appointment at Howard University, Washington, D.C., and go into private practice.

II. Information from Biographical Supplements on Individual Faculty

SABBATICALS AND LEAVES:

a. Assistant Professor Edie Cherry was on sabbatical during Spring Semester to complete her book on architectural programming.

b. Associate Professor Wolf Preiser was on sabbatical during Spring Semester to continue his studies on "People and the Man-made Environment."

c. Professor Preiser taught at the University of Sydney in Australia while on sabbatical during Spring Semester. He visited New Zealand, American Samoa, New Zealand, New Guinea, and the Fiji Islands as well as Australia.

COMPOSITE OF INDIVIDUAL FACULTY BIOGRAPHICAL SUPPLEMENTS:

ENID HOWARTH: In the Summer of 1979, Professor Howarth administered an Appropriate Technology Workshop at the D. H. Lawrence Ranch and supervised retrofitting of the Santo Domingo cabin.

Served on UNM Committee to Determine Future of D. H. Lawrence Ranch, Fall 1979.

Gave presentation at the University of Maryland on "Women in the Man-made Environment," April 1980.

Gave keynote speech at High School Conference on Science and the Humanities

PAUL LUSK, ASSOCIATE PROFESSOR


Lectures, Symposia: Guest lecturer on panel for Application of Passive Solar to Large Commercial Buildings at SERI, Golden, Colorado (November 7-9, 1979).


Projects, Grants: Project Director for $22,000 grant from Farmers' Home Administration to Village of Chama, New Mexico, to work with people in Chama area to develop community plan (October, 1979 - September, 1980). (See A6c, Chama Project).
DON P. SCHLEGEL, PROFESSOR

Continuing Education Workshop: Directed Master Specification Workshop, offered by National American Institute of Architects, sponsored by the School of Architecture and Planning and the Albuquerque Chapter of AIA. 60 people attended.

Appointments

Appointed Acting Dean, School of Architecture and Planning, May, 1980.

Appointed President of the National Architectural Accrediting Board (February 1, 1980 - September, 1981). Chaired four visits for accreditation this past year.

BILL SIEMBIEDA, ASSOCIATE PROFESSOR


Other Research Projects or Creative Work in Progress: "The Structure of Housing Policy in Albuquerque," in progress for the Albuquerque Urban Observatory.
Activities in Learned and Professional Societies, etc.


Editor, The Newsletter, American Planning Association, New Mexico Chapter.


Other Professional Activities

Consultant: a) Arburn & Assoc. (San Antonio); b) Adcock & Assoc. (Albuquerque)

Developed and ran UNM Conference on Growth Management, May, 1979 (School sponsored)

Invited as outside member of the Planner Consortium Group, Department of Finance and Administration, State of New Mexico

Non-Teaching University Service

Academic Senate member, UNM
UNM Graduate Committee
Personnel Committee, School of Architecture & Planning
Graduate Committee, School of Architecture & Planning
In charge of development of new graduate degree program in Community and Regional Planning
Public Service
Group leader of the Personnel Review Committee for Principal Planner, City of Albuquerque

Personal Information

ANNE TAYLOR, PROFESSOR


Publications:
Guidelines for Rural Educational Programs and Facilities with CCC + Architects, Anchorage 1979-80
Program for Valdez Special School for Severely Handicapped with CCC + Architects, Anchorage, 1979-80.
"Learning on the School Campus," Art and Career Education: Alternative Explanation for Career Oriented Art Programs. 


Associate Schools of Architecture Film Grant with Earl Mark, Graduate Student

Continuation Effects of Physical Environment on Learning and Behavior

Membership:

National Art Education Association

Environmental Research and Design Association

American Institute of Architects 1) Environmental Education Committee, 2) Architecture and Education Committee


Editor - Review of Research in Visual Arts Education

Consultancies and Workshops:

Programs for Children - Art Education and the Psychology of the Child, Nov., 1980

Environmental Workshop, Anchorage, Alaska, December, 1979


COMPOSITE OF INDIVIDUAL FACULTY BIOGRAPHICAL SUPPLEMENTS (continued)

Chair - Graduate Committee, Art Education

Member - Academic Freedom and Tenure Committee

Member - American Studies, Faculty Advisory Committee
THE REPORT OF THE COLLEGE OF ARTS AND SCIENCES

July 1, 1979 - June 30, 1980

Nathaniel Wollman, Dean
TABLE OF CONTENTS

Preface .................................................. ii
I. Administration ....................................... 1
II. Academic Program: Action by A&S Faculty ... 2
III. Relations, Liaison, and Activities Between the College of Arts and Sciences and the Albuquerque Public Schools 3
IV. The Arts and Sciences Graduate Committee .... 10
V. Report on Summer Session ........................ 17
VI. Report on Travel Budget .......................... 19
VII. The A&S Advisement Center ...................... 21
Statistical Tables ....................................... 22
I. ADMINISTRATION

Alfred Parker assumed the chairmanship of Economics, succeeding Gerald J. Boyle.

Hamlin Hill assumed the chairmanship of English, succeeding Joseph B. Zavadil.

Richard Murphy was redesignated as chairman of Geography for another three-year term beginning 1980-81.

Rodney C. Ewing assumed the chairmanship of Geology, succeeding Douglas Brookins.

Janet Roebuck was designated chairman of History, beginning 1980-81, succeeding Gerald D. Nash.

Robert Lawrence was designated chairman of Journalism, beginning 1980-81, succeeding James Crow as chairman and himself as acting chairman in 1979-80 while Professor Crow was on sabbatical leave.

Thomas Kyner was designated chairman of Mathematics and Statistics, beginning 1980-81, succeeding Clifford Qualls who had succeeded Richard Griego.

Mark Price assumed the chairmanship of Physics and Astronomy, succeeding Victor Regener.

Melvin DeFleur served as acting chairman of Sociology, Semester I, 1979-80 while Professor David was on leave.

Kenneth Frandsen assumed the chairmanship of Speech Communication, succeeding acting chairman Jean M. Civikly.

Tables I, II, and III provide full information on membership of Arts and Sciences administrative units and committees and personnel actions.

-1-
II. ACADEMIC PROGRAM: ACTION BY A&S FACULTY

During the year 1979-80 the Arts and Sciences faculty took the following actions:

1. Reviewed but made no change in the present Catalog provisions regarding admission to A&S from University College.
2. Approved a policy on probation and suspension that restricted probationary status to students who met specified GPA standards and limited the number of semesters that a student could remain in probationary status.
3. Passed several resolutions regarding the search process for a new dean and recommended additional members for the search committee.
4. Approved residence credit for courses offered in the Language Summer School in Taos.
5. Approved a joint degree of M.A. in Latin American Studies and M.A. in Public Administration.
6. Approved a minor in European Studies.
7. Transferred responsibility for administering B.A. and M.A. degrees in Latin American Studies from the Division of Inter-American Affairs to an Interdisciplinary Committee on Latin American Studies.
8. Approved a major in religious studies.
10. Approved a policy on individual dual-degree masters' programs.

For information about departmental academic programs see individual department reports. Department reports are an official part of the College annual report.

After a year of advanced planning by the staff of the College of Arts and Sciences and the office of the Director of High School Instruction of the Albuquerque Public Schools, a Joint Albuquerque Public Schools/College of Arts and Sciences Workshop was held on Thursday 11 October 1979 in the Reading Room of Ortega Hall. The overall subject of the workshop was "The Role and Responsibilities of the College of Arts and Sciences in the Preparation of Public School Teachers and the Development of Curriculum." The focus of the meeting was "The Roles and Responsibilities of Albuquerque Public Schools and the College of Arts and Sciences to Ensure that Incoming Students Are Prepared for University-Level Work."

The workshop was organized around four topics: (I) Teacher Education; (II) Curriculum and Standards; (III) Guidance and Counseling; and (IV) A&S/APS Relations. A presenter from APS gave a paper of approximately twenty minutes in length on each of these topics. Discussants from UNM and APS were assigned to each topic. These discussants received copies in advance of the presentations and it was their function to lead and stimulate discussion and interaction. Participants in the workshop were encouraged to ask questions, make comments, and contribute in any way they saw fit. At the close of the workshop, summaries of the topics and discussions were given by UNM Provost McAllister H. Hull, Jr. and John Nondragon, APS South Area Superintendent. UNM Provost Emeritus Chester C. Travelstead présidé over the workshop and acted as moderator. The workshop was a day-long affair with luncheon hosted by the College of Arts and Sciences and the day ended with cocktails at the UNM Faculty Club.

In addition to those already mentioned, participants included the following: Joel M. Jones (UNM Associate Provost for Academic Affairs), Vera L. Norwood
(Assistant to the Provost), David W. Darling (Dean of the College of Education),
R.L. Wagoner (Associate Dean of the College of Education), William H. Huber
(Dean of University College), Nancy Verardo Magnuson (UNM Director of the
Office of School Relations), Ilse J. Gay (Assistant Dean of the College of
Fine Arts), Lyn Rehder (APS English Teacher), Michael J. Hogan (UNM Director
of Freshman English), George F. Peters (Associate Professor of German and
Acting Chairman of the Department of Modern and Classical Languages), Gerald
D. Nash (Chairman of UNM Department of History), David E. Kidd (Professor of
Biology), Richard J. Griego (Chairman of UNM Department of Mathematics and
Statistics), Nathaniel Wollman (Dean of the College of Arts and Sciences),
J.E. White, Jr. (Associate Dean of the College of Arts and Sciences), Roy D.
Caton (Professor of Chemistry), Michael L. Conniff (Assistant Professor of
History), Frank A. Logan (Professor of Psychology), Merle Mitchell (Professor
of Mathematics and Statistics and Coordinator of Mathematics Education),
Theodore F. Martinez (Assistant to the UNM Administrative Vice-President and
Member of the Albuquerque School Board), Ruth Duquette (APS Teacher Center),
Sylvia Reed (APS Associate Superintendent for Personnel), Stan Rarick (APS
Director of Instructional Services), Claude Lewis (APS District Language Arts
Specialist), Bill Fickel (APS Director of Vocational Education), Tony Martinez
(APS Principal of Rio Grande High School), Jo Ann Krueger (APS Assistant Prin-
cipal of Del Norte High School), Russell Rutledge (APS Counselor at Cibola
High School), Mary Caccamise (APS Counselor at Del Norte High School), Hilde
Howden (APS District Mathematics Specialist), Mike Montman (APS Director of
Supply Services), Harold D. Drummond (Associate Dean Emeritus of the College
of Education), Charlie R. Steen (Assistant Chairman of UNM Department of
History).
Communications might be called the keynote of the workshop; repeatedly the need for additional and improved communications was stressed, especially at the lower echelons of department with department and even APS teachers with UNM faculty directly. Additionally it was pointed out that there is often a lack of internal communications within UNM, particularly between the College of Arts and Sciences and the College of Education. Communications become especially critical in the event of changes by UNM in its entrance requirements, standards, performance levels, expectations, etc. which have both immediate and long-range effects on the public schools. Communications must be established, renewed, and maintained so that problems, both existent and incipient, may be identified and a solution process initiated.

It is the responsibility of all of us involved in the educational process to resist societal pressures when we deem them inimical to education, and to educate society to the concept of excellence in education. On the pragmatic side of this question were discussed the matters of grade inflation and the faculty-student ratio which presently obtains in the secondary schools. Ways need to be found to resist the pressure of the idea that easy courses and hence good grades lead to college entry, and to encourage the concept that difficult and demanding college preparatory courses are preferable. Teachers should be encouraged and made to feel secure in stricter grading and more rigid standards so that the integrity of grades may be restored.

A closely related issue is that of faculty-student ratio, since a teacher is hindered in testing and evaluating if the class is so large that the instructor is unable to assign meaningful work because of the burden of correcting written assignments, papers, tests, etc. This is a critical area and solutions to many problems might be possible if faculty-student ratios in the public schools could be improved.
An additional problem is the area of special programs and attention for the gifted student. In spite of efforts in this direction, especially in honors courses recently initiated in some Albuquerque high schools and various programs for gifted children in the middle schools, much remains to be done for the superior student. More programs need to be developed and teachers must be specially and specifically taught how to teach the superior or gifted child.

University faculty have too often been unable or reluctant to become involved in service to the public schools, improvement of teacher education and preparation, teacher in-service training, workshops, colloquia, meetings with public school colleagues, and so forth. The university professor is expected to accomplish research and publish the results, and this, together with his teaching, means that his time is limited. Perhaps the system of "rewards and punishments" might be reexamined so that those faculty members able and interested in working with the public schools in teacher training, curriculum and program development, advising and consulting, coordination, evaluation, liaison, exchanges, and all the myriad facets of public school education might be permitted to do so as their special contribution and area of interest without being penalized or remaining unrewarded in the traditional university system. Until this becomes a reality, service to the public schools will continue to be neglected by university faculty, especially in the College of Arts and Sciences.

In the area of teacher training, both for prospective and for in-service teachers, the question of methodology and specific subject matter content was a recurring one. Teachers seem to need and want more training in the methods of how to teach specific subject matter areas, i.e., the specific methods peculiar to various disciplines together with more direct and pragmatic experiences
In laboratories, with computers and calculators, in doing rather than seeing or hearing about activities. In this connection, increased sharing of UNM facilities and working directly with UNM faculty counterparts would be of inestimable value. Intimately related to the area of in-service teacher training is the matter of some mechanism whereby teachers might receive credit in Arts and Sciences for courses, workshops, symposia, colloquia, etc. in Arts and Sciences subject matter.

For prospective teachers the areas of multiple certification and concurrent advisement are very important. Positions often exist for teachers who are certified to teach in more than one area and prospective teachers should be emphatically advised to pursue the goal of multiple certification for enhanced employability. Public schools should try to keep the university informed on a continuous basis of those subject areas needed and those in which multiple certification would be desirable. Concurrent advisement of prospective teachers by both the College of Education and the College of Arts and Sciences departments should result in better prepared teachers, especially in subject matter areas.

Concentrating on the stated focus of the workshop are matters of entrance requirements, performance levels, and expectations. The language in which requirements are stated should also include something on the performance level expected. Entrance requirements stated merely in terms of units or even where specific subject matter is specified gives insufficient information regarding the level of performance expected by UNM or considered necessary for successful college-level work. It was suggested that UNM develop, publish, and publicize statements advising prospective students, parents, and the public schools of the subject matter courses, including course content, selection and distribution of courses, and performance levels (GPA, ACT, SAT, etc.) recommended to
increase students' expectations for a successful college experience; i.e. UNM's expectations of entering students so they may realize their own expectations.

Other areas which should be carefully examined were brought up during the course of the workshop sessions:

1. Exploration to provide opportunities for public school teachers to teach UNM credit courses to other school teachers, either on the UNM campus or at other sites.

2. Joint review and consultation between UNM and APS on the development of coordinated, sequential and diagnostic curricula on all levels of public school education.

3. Specific summer programs of various lengths, workshops, colloquia, etc. for teachers and devoted to teacher-identified needs; special courses and programs for teachers, organized around the convenience of teachers.


5. A&S/COE joint faculty appointments for the coordination of methods, subject matter content, philosophies of education, etc.

6. Actual assignment of A&S faculty to the secondary schools to work with teachers in the classroom.

7. APS/UNM joint appointments.

8. Additional programs and/or degrees for teachers which would allow more work in content areas at a lower level for those who do not need advanced level work but upgrading and updating of skills.

9. Study of ways to utilize KNME-TV to share information and develop programs.
A more detailed summary of the proceedings of the workshop may be obtained from the College of Arts and Sciences office. Also available for use in the college office is the complete transcript of the workshop as well as the tapes which were made of the proceedings.

As an outgrowth and follow-up to the workshop, the College of Arts and Sciences has been organizing "task forces" in the most essential disciplines: English, foreign languages, sciences, and social studies. Fortunately in the case of mathematics the Joint Mathematics Advisory Committee was already in existence and will serve in the additional role of "task force." The foreign languages task force is already in operation and has begun its work. The others are presently in various stages of organization and expect to begin meeting in Semester I, 1980-81. These task forces are composed of representatives of the A&S departments involved, College of Education specialists in the teaching of subject matter areas, and APS teachers and district coordinators. The mission of these task forces will be to serve as liaison between APS and A&S, to explore areas of concern both to UNM and to APS, and to do everything possible to ensure that incoming students from the Albuquerque schools will be prepared to do college-level work. The work of the task forces will be coordinated by a central committee composed of members of the individual task forces and an associate dean of the College of Arts and Sciences who will serve also as liaison with the administration of UNM and APS so that concerns, suggestions, and programs developed in the task forces will receive the attention of the proper officials.

The College of Arts and Sciences feels that close coordination and cooperation with the public schools is the best and possibly only method of ensuring adequately prepared students who will perform successfully at the college level and is committed to do everything possible to work with the Albuquerque schools to accomplish this goal.
According to the Statement of Policies and Procedures (Implementation Statement) of the Arts and Sciences Graduate Committee, the A&S GC is required to "present an annual report to the A&S Faculty summarizing actions taken within the area of its authority." This report follows and will become a part of the Annual Report of the College of Arts and Sciences. Copies will also be presented to the A&S Faculty at the first faculty meeting of the 1980-81 academic year. Faculty desiring more detailed information are invited to consult the minutes of the A&S GC which are transmitted to the Dean of the College of Arts and Sciences, the Dean of Graduate Studies, chairmen of A&S departments, and departmental representatives on the A&S GC. Additionally, a file of minutes is maintained in the office of Associate Dean J.E. White, Jr., A&S GC Chairman.

The entire A&S GC met a total of seven times during the 1979-80 academic year, meeting monthly except for January and March. In addition, various of the A&S GC standing subcommittees met throughout the year. The A&S GC and its subcommittees were involved throughout the year with matters running the gamut between simple housekeeping chores to matters of considerable pedagogical and philosophical importance.

Beginning with the 1979-80 academic year, the Senate Graduate Committee was reorganized to include two members of the A&S GC (from two different divisions of the natural sciences, social sciences and humanities) and one representative each from other college (school, division) graduate committees. This reorganization resulted in closer liaison and more direct communication between college graduate committees, the Senate Graduate Committee, and the Faculty Senate.

Rather than attempt to present a synthesized summary of the committee's activities for the year, it seems better to summarize the minutes of each
meeting. This method will, in addition to informing the A&S Faculty of the committee's work, maintain a convenient chronology.

September 11, 1979

Associate Dean J.E. White, Jr. was reelected as chairman of the A&SGC. A&SGC representatives to the Senate Graduate Committee were also elected: Associate Dean White (humanities) and Professor J.D. Finley III (natural sciences). It might be pointed out here that Associate Dean White was subsequently elected chairman of the Senate Graduate Committee. It was decided that the A&SGC members of the Senate Graduate Committee would be exempt from Subcommittee service. Subcommittee assignments were made by the chairman.

October 9, 1979

A proposal from the Department of Sociology to offer Sociology 513 (Survey of Contemporary Schools of Sociological Theory) during Semester II, 1979-80 on a trial basis at the UNM Santa Fe Graduate Center was approved. However, the committee expressed considerable concern regarding the availability of library support at the Santa Fe Center.

A proposal for a joint M.A. in Public Administration/M.A. in Latin American Studies was returned to P.A. and L.A.S. for clarification.

The proposed "Policies and Procedures for the Doctoral Final Oral Examination" (tabled in 1978-79) was adopted as amended. The chairman was subsequently instructed by the committee to present this policy to the Senate Graduate Committee with a recommendation that it be adopted as university-wide policy. (The Senate Graduate Committee referred it to the college, school, and division graduate committees for feedback. Our statement was adopted by the College of Engineering, with modifications appropriate for their situation.
Ultimately most of the statement was adopted by the Senate Graduate Committee as policy for the university as a whole.)

November 13, 1979

An appeal from the Department of Linguistics from the negative recommendation of the Subcommittee on Standards was heard by the entire A&SGC. The Linguistics Department had requested approval of the committee to petition the Dean of Graduate Studies to invite Mr. Daniel Sharkey to apply for admission to graduate study even though he does not hold the Bachelor's degree, under the provisions of the current Graduate Bulletin (1978-79, p. 16). The committee voted not to accept the recommendation of the Subcommittee on Standards and then voted to approve the request of the Department of Linguistics. Both motions were approved by a majority of one vote.

An appeal from the Department of Biology from the negative recommendation of the Subcommittee on Standards was heard by the entire A&SGC. The Biology Department had petitioned the A&SGC for approval of a dissertation format unlike the usual one in that it would contain reprints of published papers and preprints of papers in press or to be submitted for publication; an introduction, connecting passages, and conclusions would be included. The committee voted not to accept the recommendation of the Subcommittee on Standards and to allow the request. (Again by a majority of one vote.)

In connection with both these petitions it was pointed out during heated discussion that any adverse decision or recommendation of a subcommittee would likely be appealed. Our Implementation Statement (Section V,F) permits subcommittees "to resolve definitively matters brought before them..." and makes no provision for appeal to the A&SGC from a subcommittee decision or, indeed, for the A&SGC to reverse a subcommittee decision or to bring before the A&SGC for
discussion a matter already resolved in subcommittee. It was felt that the A&SGC needs to reexamine section V,F in the light of these discussions.

December 11, 1979

The proposed MAPA/HALAS was returned to the committee which approved it, subject to approval by the Public Administration Policy Committee, and forwarded it to the A&S Faculty for action. (This proposal was approved by the A&S Faculty and is presently on the table in the Senate Graduate Committee awaiting approval of the Public Administration Graduate Committee.)

On the matter of the Implementation Statement, Section V,F it was decided to insert consecutively after the first sentence of V,F (p. 11) the following amendments:

1. All matters of policy shall be decided by the full committee. 
   What constitutes a matter of policy shall be determined by the A&SGC Chairman.

2. Appeals from a subcommittee decision shall be addressed to the full committee.

February 19, 1980

A "Proposed Replacement for the Section on Dissertation Hours" (Graduate Bulletin, 1978-79, p. 25) was approved as presented by the Office of Graduate Studies. (Subsequently approved by the Senate Graduate Committee and the Faculty Senate.) A "Proposed Policy on Policy-Making," presented by the Office of Graduate Studies was accepted in principle with the recommendation that the final paragraph (replacement for section headed "Bulletin Requirements" on page 20 of the current Graduate Bulletin) be eliminated and the other sections rewritten to reflect this deletion. The recommendation was accepted by the Office of Graduate Studies and the item was sent on to the
Senate Graduate Committee. (Subsequently approved, with an item of clarification, by the Senate Graduate Committee and currently on the Faculty Senate agenda.)

A "Proposed Graduate Grading System" which had been tentatively approved by the Senate Graduate Committee was accepted with the following recommendations: (1) The grade of "D" be eliminated as well as all references to the grade of "D": (2) Add in the section on NC: "NC grades are not calculated in the GPA": (3) Add at the end of the final paragraph: "A student will be placed on probation when he or she receives two grades of NC and/or F and will be suspended if a third NC or F grade is received." (The Senate Graduate Committee accepted (1) and (3). With an additional recommendation from the College of Education Graduate Committee, the proposal was passed by the Senate Graduate Committee and the Faculty Senate.) A "Proposed Policy Regarding an Optional ("Hybrid") Dissertation Format" was rejected.

April 1, 1980

A "Proposed Policy on Individual Dual-Degree Master's Programs" presented by the Office of Graduate Studies was approved and forwarded to the Senate Graduate Committee. (Subsequently approved by the SGC but not yet brought to the Faculty Senate.)

A "Proposed Policy on CR/NC Option for Graduate Students in Lower-Division Courses" was approved and forwarded to the Senate Graduate Committee. (Subsequently approved by the Senate Graduate Committee and presently on the Faculty Senate agenda.)

Because of a question raised by Mr. Gordon Venable, substituting for one of the GSA representatives on the A&S GC, regarding the committee's procedures in reference to the "Open Meetings" ordinance and the Attorney General's
opinion thereon, the chairman was instructed to clarify the committee's status with the university attorney. (To date, no response has been received from Mr. Rask.)

May 6, 1980

A proposed addition to the Doctoral Residence Policy (p. 24 of the 1978-79 Graduate Bulletin) was approved, along with changes in the present policy in the interest of consistency. If adopted, the first two paragraphs of the present policy would then read:

"The residence requirement has been established to ensure that the student acquires a professional maturity and competence through a process of association. Following the completion of the master's degree or its equivalent, the minimum residence requirement for the doctorate consists of two regular semesters or three summer sessions (at least eight weeks each) during which the student engages in full time academic work on campus. The three summer sessions need not be consecutive, but must fall within a five-year period. Similarly, one full time semester and two full time summer sessions on campus, all within a five-year period, will satisfy the residence requirement. Degree-related campus employment, such as Research or Teaching Assistantship, is permissible during the residence period(s), but off-campus employment is not.

During the residence period, the student must..."

The Office of Graduate Studies will accomplish whatever editorial changes may be necessary for consistency of the residence requirement. The addition was approved for the College of Arts and Sciences and recommended to the Senate Graduate Committee as university-wide policy.

A recommendation for special admission for Mrs. Sarita Gupta from the Department of Philosophy was approved.

Professors Sam B. Girgus (humanities) and J.D. Finley III (natural sciences) were elected as A&SGC representatives to the Senate Graduate Committee for 1980-81. Election of a committee chairman for 1980-81 was postponed.
Subcommittee Activities

The actions of the Subcommittee on Standards have been reported elsewhere. The Subcommittee on Students selected recipients of graduate tuition fellowships for 1980-81 for Arts and Sciences. It also selected Ms. Shelley Armitage as the Arts and Sciences nominee for the Annual Graduate Scholarship. (Ms. Armitage was unanimously selected for the award by the Senate Graduate Committee.) The Subcommittee on Faculty continues to collect data on the criteria for appointment of graduate faculty from the A&S departments and will begin evaluation of these data in 1980-81. At the request of the Dean of the College of Arts and Sciences, the Subcommittee on Faculty served as an advisory committee on sabbatical leave requests as required by the Faculty Handbook, p. C-11, para. 8.
V. REPORT ON SUMMER SESSION—Ralph D. Norman

Summer Session 1980 planning commenced, as it did last year, in the fall. A principal concern in October 1979 was the drop in enrollment, for A&S fell from 17,808 SCH in 1978 to 17,007 SCH in 1979 as of the end of classes, a loss of 4.50%. Requests were made by the Provost to reduce low enrollment courses, strive for innovative programming, and hold budget figures very close to those of 1979. The latter were used for planning purposes, resulting in an initial estimate of $394,230 based on 1979 dollars, a figure very close to last year's $385,206. In addition, two supplements were added to our allocation. These involved support for the Summer Linguistics/TESOL Institute, planned and organized over the past year by Professor Bills, and an increase for the Taos Language Programs. Thus, to the $394,230 were added $5,000 for the Institute and $3,300 for Taos. The total of $402,530 was then increased by 8% in March 1980 to $434,730. In addition, other one-time allocations of $75,000 for the Institute and $18,000 for Taos were made at that time, augmented later by $1,500 for a visiting professor in American Studies. The total budget received from the Provost then became $529,230 to be administered by A&S. As of this writing (5/28/80), the amount contributed from that total to the Linguistic Institute was $103,273 for 28 visiting faculty alone. Moreover, the Department of Linguistics was given $11,379 for administration over its normal base allocation of $4,677. Extraordinary allocations for the Linguistics Institute thus totaled $114,652.

Because 1980 enrollments are unavailable at this time, allocations only for each department are given in Table XIX, together with comparable figures for 1979. (Any contrast in enrollments between the two years may be easily made by taking 1979 figures from Table XIX of the 1978-79 annual A&S report and comparing them with 1980 first week Summer Session enrollments.) A few
observations need be made about Table XIX. The total for support of all ongoing programs in the college was made comparable to 1979 by excluding the Linguistic Institute's $114,652. The normal total allocation was then $414,578, which is 7.63% over last year's, almost the overall 8% increase given by the Provost. All figures remain quite comparable in support, except M&CL, the Foreign (International) Program, and the contingency. M&CL's 1980 figure is 5.4% above that of 1979 because of the special Taos allocations. The Foreign Program was sharply reduced because of lack of enrollments in Spain and consequent cancellation of courses there. The contingency almost completely disappeared in the normal give and take among other departments as well as some excess expenditure for the Institute.

The $529,230 budget, however, will run into a deficit if the Linguistic Institute needs more money for administration and teaching of some as yet unmanned courses. However, according to Professor Bills, there are monies forthcoming from TESOL and the Linguistics Society of America to cover this overrun, a circumstance of which the Provost's office is well aware.

A few observations need be made about Summer Session administration. A policy is needed for compensation of summer chairmen. While "backing and filling" of faculty have been kept to a minimum, some of this still goes on. The Provost's Office, now that it has started to support the Taos program more fully and now that Taos has moved from the aegis of Continuing Education to that of A&S, must continue its commitment of Summer 1980 preferably as a separate line-item. Attention should be paid to a uniform six-week term as a means of increasing enrollments.
Our travel budget for 1979-80 was a fiscal disaster in that it was, as in previous years, not only insufficient to cover full travel costs, but was utterly incapable of matching the rapid acceleration of air fares. The allocation for FY 1980 was $36,900, which represented no increase over the FY 1979 allocation of $36,886. At the beginning of the year, despite the inflation of fares and lack of increased support, we were forced to cut travel reimbursement 10%, from 66-2/3% to 60% for first trips and from 50% to 45% for second trips. Support for three or more trips was completely eliminated. These measures constituted a feeble attempt to stretch our dollars. In February 1980 I estimated that we would overspend this year's allocation by approximately $1,000. As of this writing (5/22/80), we have spent $38,752 and thus are in deficit by close to $2,000; I would estimate that by the end of the fiscal year, this will grow to somewhere between $2,500 and $3,000.

The 1979-80 disbursements are given in the table below which keeps the usual categories: (A) Paper Presentation; (B) Officerships; and (C) Miscellaneous, such as chairing of sessions, membership on panels, serving as discussants, etc. This last category also includes simple attendance, granted exceedingly rarely and only for some special reason. Following are the comparative figures for 1978-79 and 1979-80, excluding travel for June 1980:

<table>
<thead>
<tr>
<th>Category</th>
<th>1978-79</th>
<th>1979-80</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. of Trips</td>
<td>Amount Spent</td>
</tr>
<tr>
<td>Category A</td>
<td>156</td>
<td>60.9</td>
</tr>
<tr>
<td>Category B</td>
<td>15</td>
<td>5.8</td>
</tr>
<tr>
<td>Category C</td>
<td>85</td>
<td>33.3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>256</td>
<td>100.0</td>
</tr>
</tbody>
</table>

The above table, as did the comparable one for last year, shows only trifling changes and continues the "steady state" in all the categories for at
least the last three years. It is estimated that there may be ten or so more trips for the final month of the fiscal year, bringing the total to approximately 235 trips. The loss of only about 9 or 10% in number of trips between the two years is truly a tribute to the determination of our faculty to continue to attend professional meetings despite the increasing drain on their personal resources. This determination is all the more remarkable considering the fact that the per traveler cost, derived from the above table, increased by 20.5% from $143.62 to $173.00. (The per trip cost increase should be compared to that between FY 1977-78 and FY 1978-79, which was only 5.2%.) While a few faculty did cancel trips because of insufficient support, there was no massive defection in travel.

Table XX presents the departmental breakdown among all categories. There are few notable changes from last year. Perhaps most noteworthy is the change in Category A (Paper Presentation) for the following departments from last year to this: Economics, 14 to 4; History, from 7 to 14; and Speech Communication, from 6 to 12.

Our travel support for next year will be $39,500, only $2,600 above this year's amount. While the drop in percentage of trips from last year to this was only about half the amount of the inflation of cost per trip, it remains a serious question whether the loyalty of faculty to their professional obligations can continue to withstand such a disparate relationship in view of the slight budget increase of 7%.
VII. THE A&S ADVISEMENT CENTER--Thomas J. Venardos

The Arts and Sciences Advisement Center sustained its level of activities achieved during the last several years. Additional activities were included to expand services to students.

Between July 1, 1979 and May 30, 1980, the staff saw 8,082 students. This was consistent with past years in which student contact amounted to similar figures.

The activities in which the staff of the advisement center participated included the following: (1) an orientation for pre-medicine and pre-dentistry students; (2) participating with the Health Science Committee; (3) counseling at the Skills Center with basic skills students; (4) offering study skills workshops for all UNM students; (5) conducting the fourth Liberal Arts Career Fair; (6) advising on a weekly basis at Kirtland Air Force Base; (7) conducting a Returning Students Orientation; (8) advising of returning students in their lounge; (9) participation in the mandatory orientation for freshmen; (10) organizing a student pre-law club; (11) participating in High School Day; (12) speaking for the Albuquerque Association of University Women; and (13) speaking at various high schools in Albuquerque.

Staff changes included putting on an additional half-time person, having the three part-time people increased to full-time and having the director reduced to half-time. This sort of staff arrangement created some problems because one or two staff members would be involved with a project and would leave the center; consequently there were times when only one or two advisors were present in the office to see students and answer the phone. Based on this, it would be recommended that staff coverage be available so that at least two advisors be in the office at the same time to provide necessary coverage.
<table>
<thead>
<tr>
<th>Department</th>
<th>Chairperson</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMERICAN STUDIES</td>
<td>Sam B. Girgus</td>
</tr>
<tr>
<td>ANTHROPOLOGY</td>
<td>Philip K. Bock</td>
</tr>
<tr>
<td>BIOLOGY</td>
<td>James S. Findley</td>
</tr>
<tr>
<td>CHEMISTRY</td>
<td>Guido H. Daub</td>
</tr>
<tr>
<td>COMMUNICATIVE DISORDERS</td>
<td>Lloyd D. Lamb</td>
</tr>
<tr>
<td>ECONOMICS</td>
<td>Alfred Parker</td>
</tr>
<tr>
<td>ENGLISH</td>
<td>Hamlin Hill</td>
</tr>
<tr>
<td>GEOGRAPHY</td>
<td>Richard E. Murphy</td>
</tr>
<tr>
<td>GEOLOGY</td>
<td>Rodney C. Ewing</td>
</tr>
<tr>
<td>HISTORY</td>
<td>Gerald D. Nash</td>
</tr>
<tr>
<td>ASIAN STUDIES</td>
<td>Fred G. Sturm</td>
</tr>
<tr>
<td>COMPARATIVE LITERATURE</td>
<td>Peter K. Pabisch</td>
</tr>
<tr>
<td>INTER-AMERICAN AFFAIRS</td>
<td>Martin C. Needler</td>
</tr>
<tr>
<td>INSTITUTE OF METEORITICS</td>
<td>Klaus Keil</td>
</tr>
<tr>
<td>FRESHMAN ENGLISH</td>
<td>Michael J. Hogan</td>
</tr>
</tbody>
</table>

**TABLE I**

CHAIRMEN AND PROGRAM DIRECTORS, 1979-80

**Departments**

**JOURNALISM**
- James P. Crow (Sabbatical Year)
- Robert Lawrence, Acting

**LINGUISTICS**
- Garland D. Bills

**MATHEMATICS AND STATISTICS**
- Richard J. Griego (on leave from duty)
- Clifford Qualls, Acting, Regular

**MODERN AND CLASSICAL LANGUAGES**
- Sabine R. Ulibarri

**PHILOSOPHY**
- Howard J. Tuttle

**PHYSICS AND ASTRONOMY**
- R. Marcus Price

**POLITICAL SCIENCE**
- Robert J. Sickels

**PSYCHOLOGY**
- Henry C. Ellis

**SOCIOLOGY**
- Melvin L. DeFleur, Acting
- Pedro R. David

**SPEECH COMMUNICATION**
- Kenneth D. Frandsen

**Programs**

**LATIN AMERICAN CENTER**
- Marshall R. Nason

**IBERO-AMERICAN STUDIES**
- Marshall R. Nason

**MAXWELL MUSEUM**
- J.J. Brody

**PALEOCOLOGY**
- Roger Y. Anderson

**RUSSIAN STUDIES**
- Richard G. Robbins
TABLE II
STANDING AND SPECIAL COMMITTEES,
COLLEGE OF ARTS AND SCIENCES, 1979-80

A&S Tenure Committee

Edwin Lieuwen, Chairman, History
Elinore M. Barrett, Geography
James D. Finley, Physics and Astronomy
David C. McPherson, English
Lewis R. Binford, Anthropology
Tamara Holzapfel, Modern and Classical Languages
Frank Logan, Psychology

A&S Promotion Committees

Humanities:

Tamara Holzapfel, Chairman, Modern and Classical Languages
Robert E. Fleming, English
Frank W. Ikle, History
Stuart Novins, Journalism
Paul F. Schmidt, Philosophy

Natural Sciences and Mathematics:

Frank A. Logan, Chairman, Psychology
Seymour S. Alpert, Physics and Astronomy
Roger Y. Anderson, Geology
Ulrich Hollstein, Chemistry
Richard B. Hood, Communicative Disorders
Merle Mitchell, Mathematics and Statistics
Loren D. Potter, Biology

Social Sciences:

Lewis R. Binford, Chairman, Anthropology
Ronald G. Cummings, Economics
Martin C. Needler, Political Science
Lawrence E. Rosenfeld, Speech Communication
Rodman E. Sneed, Geography
Richard F. Tomasson, Sociology

A&S Graduate Committee

Julian E. White, Jr., Chairman, Associate Dean, Arts and Sciences
Richard Allen, Mathematics and Statistics
Arthur St. George, Sociology
James Findley, Biology
James Finley, Physics and Astronomy
Sam B. Girgus, American Studies
TABLE II (contd.)

**A&S Graduate Committee (contd.)**

Larry Gorbet, Anthropology  
Linda Riensche, Communicative Disorders  
Garland Bills, Linguistics  
Richard Jensen, Speech Communication  
Barry Kues, Geology  
Frank Logan, Psychology  
James Ray, Political Science  
Cary Morrow, Chemistry  
Sanford Cohen, Economics  
Jonathan Porter, History  
Fred Schueler, Philosophy  
Jack Tomlins, Modern and Classical Languages  
Jerry Williams, Geography  
Hugh Wittemeyer, English  
Elsa Taylor, Graduate Student, Biology  
Yolanda Jones, Graduate Student, Chemistry  
Wendy Jones, Graduate Student, English

**A&S Committee on Academic Policy and Curriculum**

Harry P. Stumpf, Chairman, Political Science  
Mary Bess Whidden, English  
Tamara Holzapfel, Modern and Classical Languages  
Alfred Carasso, Mathematics and Statistics  
Richard Holder, Chemistry  
Paul Jonas, Economics  
Richard Murphy, Geography

**A&S Human Subjects Committee**

Timothy G. Plax, Chairman, Speech Communication  
Henry Harpending, Anthropology  
Harold Delaney, Psychology  
Paul Steele, Sociology  
Rabbi Isaac H. Celnik, Congregation B’Nai Israel

**A&S Student Advisory Committee**

Vilija N. Avizonis, Chemistry  
Gary A. Buckingham, Physics  
Lisa Davidson, Speech Communication  
Tamara Sue Detrick, English  
Melissa Fassett, Journalism and Psychology  
Kathryn Huff, Economics  
Jon A. Lesser, Economics and Mathematics  
Hunter M. Lewis, Geography  
Claudia I. Mora, Geology  
Clifford I. Nomberg, Biology  
Brittmarie Jason Perez, Anthropology  
Bill Shy, History
TABLE II (contd.)

A&S Comparative Literature Committee

Peter K. Pabisch, Chairman, Modern and Classical Languages
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
Ellen Spolsky, English
Ronald Swigger, English
Jon N. Tolman, Modern and Classical Languages
Jack E. Tomlins, Modern and Classical Languages
Joseph B. Zavadil, English
Robert O. Evans, Director, General Honors

American Studies Committee

Sam B. Girgus, Chairman, American Studies
Ernest W. Baughman, English
Sanford Cohen, Economics
Robert E. Fleming, English
Douglas R. George, Art
Hamlin Hill, English
Ira S. Jaffe, Theatre Arts
Howard Rabinowitz, History
Harold V. Rhodes, Political Science
Daniel M. Slate, Management
M. Jane Slaughter, History
Anne Taylor, Art and Architecture
M. Martha Weigle, English and Anthropology
Peter L. White, English

A&S Linguistics Committee

Garland D. Bills, Chairman, Linguistics
Dean Brodkey, Elementary Education
Jean M. Civikly, Speech Communication
Larry Gorbet, Anthropology
Alan Hudson-Edwards, Linguistics
Vera John-Steiner, Educational Foundations
John Oller, Linguistics
Marlis Mann, Elementary Education
Roy Pickett, English
Bernard Spolsky, Linguistics
<table>
<thead>
<tr>
<th>A&amp;S Linguistics Committee (contd.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert White, Secondary and Adult Teacher Education</td>
</tr>
<tr>
<td>Robert Young, Emeritus, Linguistics</td>
</tr>
<tr>
<td>Rodney Young, Director, Testing</td>
</tr>
<tr>
<td>Dolores Butt, Communicative Disorders</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A&amp;S Asian Studies Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Sebring, Anthropology</td>
</tr>
<tr>
<td>James Spuhler, Anthropology</td>
</tr>
<tr>
<td>Susan Kanegy, Art</td>
</tr>
<tr>
<td>Philip Peterson, Art Education</td>
</tr>
<tr>
<td>Paul Jonas, Economics</td>
</tr>
<tr>
<td>Robert Campbell, Geography</td>
</tr>
<tr>
<td>Richard Murphy, Geography</td>
</tr>
<tr>
<td>Rodman Snead, Geography</td>
</tr>
<tr>
<td>Frank Ikle, History</td>
</tr>
<tr>
<td>Arnold Kaminski, History</td>
</tr>
<tr>
<td>Jonathan Porter, History</td>
</tr>
<tr>
<td>Noel Pugach, History</td>
</tr>
<tr>
<td>Gerald Slavin, International Programs</td>
</tr>
<tr>
<td>Dorothy Harroun, International Programs</td>
</tr>
<tr>
<td>Michiko Adams, Zimmerman Library</td>
</tr>
<tr>
<td>Pearl Wu, Modern and Classical Languages</td>
</tr>
<tr>
<td>Andrew Burgess, Philosophy</td>
</tr>
<tr>
<td>Matthieu Casalis, Philosophy</td>
</tr>
<tr>
<td>Russell Goodman, Philosophy</td>
</tr>
<tr>
<td>Donald Lee, Philosophy</td>
</tr>
<tr>
<td>Charlene McDermott, Philosophy</td>
</tr>
<tr>
<td>Paul Schmidt, Philosophy</td>
</tr>
<tr>
<td>Fred G. Sturm, Chairman, Philosophy</td>
</tr>
<tr>
<td>Jay Sorenson, Political Science</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A&amp;S Russian Studies Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Richard G. Robbins, Chairman, History</td>
</tr>
<tr>
<td>Pham Chung, Economics</td>
</tr>
<tr>
<td>Richard Murphy, Geography</td>
</tr>
<tr>
<td>Jay Sorenson, Political Science</td>
</tr>
<tr>
<td>Byron Lindsey, Modern and Classical Languages</td>
</tr>
</tbody>
</table>
TABLE III:

FACULTY PROMOTIONS, RETIREMENTS, SEPARATIONS, AND APPOINTMENTS, TENURE AND THIRD YEAR TERM DECISIONS, 1979-80

Promotions

To Full Professor:

John W. Oller, Jr. 
Sam B. Girgus 
Robert W. Kern 
Samuel Roll 
H. Stuart Burness 
Elinore M. Barrett

To Associate Professor:

Rudolfo Anaya 
Russell B. Goodman 
Tokio Kogoma 
Raymond V. Ingersoll 
Barry S. Kues 
William R. Miller 
Nelson P. Valdes 
Karen L. Remmuer

Retirements

Robert D. Campbell 
J. Paul Fitzsimmons 
James V. Lewis 
Ralph D. Norman 
Roy Thomas 
Nathaniel Wollman

Separations

Anne Mary Boylan 
Robert Creeley 
Evelyn A. Early 
Frances S. Harnick 
George F. Jiracek 
Arnold P. Kaminsky 
Norman W. Katz 
Ernest Anthony Mares 
Stuart Novins 
Alice C. Omaggio 
Joseph A. Parsons 
Glenn L. Pfiefer 
Robert L. Schrag 
Robert A. Seward 
Bernard Spolsky 
Ellen Spolsky 
Peter L. Workman 
Joseph A. Ramirez

Linguistics
American Studies
History
Psychology
Economics
Geography
English
Philosophy
Biology
Geology
Geology
Psychology
Sociology
Political Science
Geography
Geology
Mathematics and Statistics
Psychology
Physics
Economics
History
English
Anthropology
Psychology
Geology
History
Psychology
Modern and Classical Languages
Journalism
Modern and Classical Languages
Psychology
Mathematics and Statistics
Speech Communication
Political Science
Linguistics
English
Anthropology
Modern and Classical Languages
TABLE III (contd.)

<table>
<thead>
<tr>
<th>New Appointments</th>
<th>Anthropology:</th>
<th>James S. Chisholm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry:</td>
<td>Jon R. Maple</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Communicative Disorders:</td>
<td>Wayne E. Swisher</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>English:</td>
<td>Barry J. Gaines</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Geology:</td>
<td>Crayton Yapp</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td></td>
<td>Jeffrey A. Grambling</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td></td>
<td>Paul Morgan</td>
<td>Visiting Associate Professor</td>
</tr>
<tr>
<td>Mathematics and Statistics:</td>
<td>Howard D. Pegan</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td></td>
<td>Carla Wofsy</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Philosophy:</td>
<td>Arthur L. Basham</td>
<td>Visiting Distinguished Professor</td>
</tr>
<tr>
<td>Physics:</td>
<td>Marian Scully</td>
<td>Distinguished Professor</td>
</tr>
<tr>
<td></td>
<td>James Graydom Small</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Political Science:</td>
<td>Debra C. Rosenthal</td>
<td>Visiting Instructor</td>
</tr>
<tr>
<td>Psychology:</td>
<td>Jean Ellen Newman</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td></td>
<td>Michael J. Dougher</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td></td>
<td>Kevin E. O'Grady</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Speech Communication:</td>
<td>Allen Lichtenstein</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Third Year Term Decisions</td>
<td>Biology:</td>
<td>Evelyn P. Ewing</td>
</tr>
<tr>
<td></td>
<td>Kathryn G. Vogel</td>
<td></td>
</tr>
<tr>
<td>Economics:</td>
<td>Ronald N. Johnson</td>
<td></td>
</tr>
<tr>
<td>English:</td>
<td>Antonio Marquez</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Peter L. White</td>
<td></td>
</tr>
</tbody>
</table>
TABLE III (contd.)

Third Year Term Decisions (contd.)

Geography
  Jerry Lee Williams

Geology:
  Stephen P. Huestis

Political Science:
  Ivory T. Robinson
  Robert A. Seward

Psychology:
  Therese E. Goetz
  Eligio R. Padilla

Speech Communication:
  Robert L. Schrag

Tenure Decision Dates, June 30, 1980

Anthropology:
  Larry P. Gorbet

Biology:
  Tokio Kogoma

English:
  Rudolfo Anaya

Geology:
  Barry S. Kues

History:
  M. Jane Slaughter

Journalism:
  Robert H. Lawrence

Linguistics:
  Alan Hudson-Edwards

Political Science:
  Karen L. Remmer

Speech Communication:
  Kenneth D. Frandsen
# Table IV

**FTE Budgeted Faculty, 1979-80**

<table>
<thead>
<tr>
<th>Department</th>
<th>Returning Faculty</th>
<th>New Faculty</th>
<th>Part-Time Instruction</th>
<th>GA's/TA's</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>3.71</td>
<td>--</td>
<td>--</td>
<td>0.50</td>
</tr>
<tr>
<td>Anthropology</td>
<td>23.08</td>
<td>--</td>
<td>--</td>
<td>3.50</td>
</tr>
<tr>
<td>Biology</td>
<td>30.83</td>
<td>--</td>
<td>--</td>
<td>19.50</td>
</tr>
<tr>
<td>Chemistry</td>
<td>20.25</td>
<td>--</td>
<td>--</td>
<td>14.50</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>7.12</td>
<td>--</td>
<td>0.33</td>
<td>1.00</td>
</tr>
<tr>
<td>Economics</td>
<td>16.50</td>
<td>2.00</td>
<td>0.91</td>
<td>23.00</td>
</tr>
<tr>
<td>English</td>
<td>37.87</td>
<td>--</td>
<td>0.51</td>
<td>--</td>
</tr>
<tr>
<td>Geography</td>
<td>7.50</td>
<td>--</td>
<td>--</td>
<td>1.00</td>
</tr>
<tr>
<td>Geology</td>
<td>14.67</td>
<td>--</td>
<td>0.30</td>
<td>6.50</td>
</tr>
<tr>
<td>History</td>
<td>25.83</td>
<td>2.00</td>
<td>--</td>
<td>8.00</td>
</tr>
<tr>
<td>Journalism</td>
<td>5.25</td>
<td>1.00</td>
<td>0.19</td>
<td>--</td>
</tr>
<tr>
<td>Linguistics</td>
<td>2.51</td>
<td>--</td>
<td>--</td>
<td>0.50</td>
</tr>
<tr>
<td>Mathematics &amp; Statistics</td>
<td>35.33</td>
<td>3.50</td>
<td>1.04</td>
<td>11.00</td>
</tr>
<tr>
<td>Modern &amp; Classical Lang.</td>
<td>29.09</td>
<td>2.00</td>
<td>0.55</td>
<td>16.50</td>
</tr>
<tr>
<td>Philosophy</td>
<td>11.83</td>
<td>--</td>
<td>--</td>
<td>2.50</td>
</tr>
<tr>
<td>Physics &amp; Astronomy</td>
<td>15.08</td>
<td>1.00</td>
<td>0.85</td>
<td>7.50</td>
</tr>
<tr>
<td>Political Science</td>
<td>13.57</td>
<td>1.00</td>
<td>--</td>
<td>2.00</td>
</tr>
<tr>
<td>Inter-American Affairs</td>
<td>0.60</td>
<td>--</td>
<td>--</td>
<td>1.00</td>
</tr>
<tr>
<td>Psychology</td>
<td>22.60</td>
<td>1.00</td>
<td>0.09</td>
<td>6.00</td>
</tr>
<tr>
<td>Sociology</td>
<td>16.50</td>
<td>2.00</td>
<td>--</td>
<td>2.00</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>7.00</td>
<td>3.00</td>
<td>--</td>
<td>1.00</td>
</tr>
<tr>
<td>A&amp;S Contingency</td>
<td>--</td>
<td>--</td>
<td>6.12</td>
<td>--</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>346.72</strong></td>
<td><strong>18.50</strong></td>
<td><strong>10.38</strong></td>
<td><strong>130.50</strong></td>
</tr>
</tbody>
</table>
### TABLE V

**NUMBER OF STUDENTS ENROLLED**

**COLLEGE OF ARTS AND SCIENCES**

<table>
<thead>
<tr>
<th>Year</th>
<th>Sem. I</th>
<th>% Inc. Over Prev. Year</th>
<th>Sem. II</th>
<th>% Inc. Over Prev. Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1969-70</td>
<td>2,454</td>
<td>3.7</td>
<td>2,412</td>
<td>- 2.5</td>
</tr>
<tr>
<td>1970-71</td>
<td>2,541</td>
<td>3.5</td>
<td>2,518</td>
<td>4.4</td>
</tr>
<tr>
<td>1971-72</td>
<td>2,563</td>
<td>0.9</td>
<td>2,490</td>
<td>- 1.1</td>
</tr>
<tr>
<td>1972-73</td>
<td>2,644</td>
<td>3.2</td>
<td>2,837</td>
<td>13.9</td>
</tr>
<tr>
<td>1973-74</td>
<td>2,857</td>
<td>8.0</td>
<td>2,797</td>
<td>- 1.4</td>
</tr>
<tr>
<td>1974-75</td>
<td>2,724</td>
<td>-4.7</td>
<td>2,746</td>
<td>- 1.8</td>
</tr>
<tr>
<td>1975-76</td>
<td>2,684</td>
<td>-1.5</td>
<td>2,756</td>
<td>0.4</td>
</tr>
<tr>
<td>1976-77</td>
<td>2,663</td>
<td>-0.8</td>
<td>2,737</td>
<td>- 0.7</td>
</tr>
<tr>
<td>1977-78</td>
<td>2,582</td>
<td>-3.0</td>
<td>2,602</td>
<td>- 4.9</td>
</tr>
<tr>
<td>1978-79</td>
<td>2,397</td>
<td>-7.2</td>
<td>2,322</td>
<td>-10.8</td>
</tr>
<tr>
<td>1979-80</td>
<td>2,267</td>
<td>-5.4</td>
<td>2,205</td>
<td>- 5.0</td>
</tr>
</tbody>
</table>

Decrease

1979-80 Over

1969-70 - 187 -7.6 - 207 - 8.6

### TABLE VI

**STUDENT CREDIT HOURS TAUGHT, UNM AND A&S**

<table>
<thead>
<tr>
<th>Year</th>
<th>Student Credit Hours</th>
<th>A&amp;S Percent of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UNM</td>
<td>A&amp;S</td>
</tr>
<tr>
<td>1969-70</td>
<td>368,479</td>
<td>234,288</td>
</tr>
<tr>
<td>1970-71</td>
<td>425,189</td>
<td>267,234</td>
</tr>
<tr>
<td>1971-72</td>
<td>444,361</td>
<td>279,705</td>
</tr>
<tr>
<td>1972-73</td>
<td>425,302</td>
<td>278,577</td>
</tr>
<tr>
<td>1973-74</td>
<td>420,311</td>
<td>256,979</td>
</tr>
<tr>
<td>1974-75</td>
<td>517,455</td>
<td>300,821</td>
</tr>
<tr>
<td>1975-76</td>
<td>461,641</td>
<td>285,551</td>
</tr>
<tr>
<td>1976-77</td>
<td>487,208</td>
<td>279,810</td>
</tr>
<tr>
<td>1977-78</td>
<td>476,229</td>
<td>267,786</td>
</tr>
<tr>
<td>1978-79</td>
<td>473,266</td>
<td>272,829</td>
</tr>
<tr>
<td>1979-80</td>
<td>495,039</td>
<td>279,666</td>
</tr>
</tbody>
</table>

Change

1979-80 Over

1978-79 21,773 7,037 4.6% 2.6%

Increase

1979-80 Over

1969-70 126,560 45,378 34.3% 19.4%
## TABLE VII

**STUDENT CREDIT HOURS BY DEPARTMENTS**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>2,277</td>
<td>5,455</td>
<td>5,970</td>
<td>3,002</td>
<td>3,158</td>
<td>2,302</td>
<td>2,077</td>
<td>1,923</td>
<td>-15.5</td>
</tr>
<tr>
<td>Anthropology</td>
<td>18,848</td>
<td>15,983</td>
<td>17,156</td>
<td>15,489</td>
<td>12,225</td>
<td>10,861</td>
<td>9,758</td>
<td>9,611</td>
<td>-49.0</td>
</tr>
<tr>
<td>Biology</td>
<td>23,766</td>
<td>22,449</td>
<td>25,872</td>
<td>24,565</td>
<td>23,278</td>
<td>21,863</td>
<td>20,458</td>
<td>20,690</td>
<td>-12.9</td>
</tr>
<tr>
<td>Chemistry</td>
<td>18,923</td>
<td>16,338</td>
<td>19,810</td>
<td>18,249</td>
<td>19,397</td>
<td>18,143</td>
<td>18,203</td>
<td>18,414</td>
<td>-2.7</td>
</tr>
<tr>
<td>Comm. Disorders</td>
<td>2,116</td>
<td>2,243</td>
<td>2,531</td>
<td>2,758</td>
<td>2,928</td>
<td>2,601</td>
<td>3,096</td>
<td>2,949</td>
<td>39.4</td>
</tr>
<tr>
<td>Economics</td>
<td>10,950</td>
<td>10,483</td>
<td>12,908</td>
<td>15,489</td>
<td>12,225</td>
<td>10,861</td>
<td>9,758</td>
<td>9,611</td>
<td>-49.0</td>
</tr>
<tr>
<td>English</td>
<td>34,770</td>
<td>28,392</td>
<td>32,564</td>
<td>30,478</td>
<td>31,370</td>
<td>29,128</td>
<td>30,109</td>
<td>32,813</td>
<td>-5.6</td>
</tr>
<tr>
<td>Geography</td>
<td>4,912</td>
<td>4,960</td>
<td>5,838</td>
<td>6,008</td>
<td>5,545</td>
<td>5,410</td>
<td>6,001</td>
<td>6,296</td>
<td>28.2</td>
</tr>
<tr>
<td>Geology</td>
<td>10,000</td>
<td>10,028</td>
<td>10,028</td>
<td>8,728</td>
<td>8,797</td>
<td>8,154</td>
<td>9,023</td>
<td>10,211</td>
<td>21.1</td>
</tr>
<tr>
<td>History</td>
<td>21,969</td>
<td>19,636</td>
<td>22,676</td>
<td>21,740</td>
<td>19,745</td>
<td>19,960</td>
<td>21,192</td>
<td>19,598</td>
<td>-10.8</td>
</tr>
<tr>
<td>Journalism</td>
<td>2,661</td>
<td>3,109</td>
<td>3,603</td>
<td>3,584</td>
<td>3,425</td>
<td>3,016</td>
<td>3,045</td>
<td>2,846</td>
<td>7.0</td>
</tr>
<tr>
<td>Linguistics</td>
<td>1,460</td>
<td>1,921</td>
<td>1,986</td>
<td>1,986</td>
<td>1,615</td>
<td>1,304</td>
<td>1,319</td>
<td>1,042</td>
<td>--</td>
</tr>
<tr>
<td>M&amp;CL</td>
<td>20,215</td>
<td>17,257</td>
<td>22,917</td>
<td>23,985</td>
<td>21,491</td>
<td>19,648</td>
<td>19,178</td>
<td>18,901</td>
<td>-6.5</td>
</tr>
<tr>
<td>Philosophy</td>
<td>10,207</td>
<td>9,287</td>
<td>11,020</td>
<td>9,631</td>
<td>7,926</td>
<td>5,922</td>
<td>4,825</td>
<td>5,933</td>
<td>-41.9</td>
</tr>
<tr>
<td>Phys. &amp; Astr.</td>
<td>11,860</td>
<td>11,446</td>
<td>13,334</td>
<td>12,847</td>
<td>11,842</td>
<td>11,731</td>
<td>12,278</td>
<td>12,998</td>
<td>9.6</td>
</tr>
<tr>
<td>Political Sci.</td>
<td>10,844</td>
<td>10,506</td>
<td>11,659</td>
<td>10,876</td>
<td>10,391</td>
<td>10,621</td>
<td>9,675</td>
<td>9,606</td>
<td>-11.4</td>
</tr>
<tr>
<td>Psychology</td>
<td>26,321</td>
<td>25,038</td>
<td>26,804</td>
<td>24,832</td>
<td>24,422</td>
<td>24,273</td>
<td>25,358</td>
<td>22,080</td>
<td>-16.1</td>
</tr>
<tr>
<td>Sociology</td>
<td>12,549</td>
<td>10,055</td>
<td>12,170</td>
<td>11,182</td>
<td>13,778</td>
<td>15,155</td>
<td>14,327</td>
<td>14,483</td>
<td>15.4</td>
</tr>
<tr>
<td>Speech Comm.</td>
<td>8,217</td>
<td>7,929</td>
<td>9,686</td>
<td>10,523</td>
<td>11,142</td>
<td>8,328</td>
<td>9,124</td>
<td>8,521</td>
<td>3.7</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>278,577</td>
<td>256,979</td>
<td>300,821</td>
<td>285,551</td>
<td>279,810</td>
<td>267,665</td>
<td>272,829</td>
<td>279,666</td>
<td>0.4</td>
</tr>
</tbody>
</table>
TABLE VIII
DEGREES AWARDED, COLLEGE OF ARTS AND SCIENCES

<table>
<thead>
<tr>
<th>Year</th>
<th>Bachelor's Degrees</th>
<th>Advanced Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. of Degrees</td>
<td>% Inc. Over Previous Yr.</td>
</tr>
<tr>
<td>1971</td>
<td>592</td>
<td>-1.5</td>
</tr>
<tr>
<td>1972</td>
<td>435</td>
<td>-26.5</td>
</tr>
<tr>
<td>1973</td>
<td>622</td>
<td>43.0</td>
</tr>
<tr>
<td>1974</td>
<td>734</td>
<td>18.0</td>
</tr>
<tr>
<td>1975</td>
<td>816</td>
<td>10.0</td>
</tr>
<tr>
<td>1976</td>
<td>707</td>
<td>-13.4</td>
</tr>
<tr>
<td>1977</td>
<td>611</td>
<td>-13.6</td>
</tr>
<tr>
<td>1978</td>
<td>662</td>
<td>8.3</td>
</tr>
<tr>
<td>1979</td>
<td>577</td>
<td>-12.8</td>
</tr>
<tr>
<td>1980</td>
<td>627</td>
<td>8.7</td>
</tr>
</tbody>
</table>

9-Year Change

<table>
<thead>
<tr>
<th></th>
<th>No.</th>
<th>% Inc.</th>
<th>No.</th>
<th>% Inc.</th>
<th>No.</th>
<th>% Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1971</td>
<td>35</td>
<td>5.9</td>
<td>48</td>
<td>-28.1</td>
<td>15</td>
<td>-20.5</td>
</tr>
<tr>
<td>1980</td>
<td>63</td>
<td>-25.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) These figures do not include Master of Arts in Teaching and Master of Education in Science degrees.

TABLE IX

<table>
<thead>
<tr>
<th>College</th>
<th>Bachelor's Degrees</th>
<th>Advanced Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Sciences</td>
<td>601</td>
<td>575*</td>
</tr>
<tr>
<td>B.U.S.</td>
<td>113</td>
<td>370</td>
</tr>
<tr>
<td>Other Colleges**</td>
<td>920</td>
<td>1,071</td>
</tr>
<tr>
<td>UNM TOTAL</td>
<td>1,634</td>
<td>2,016</td>
</tr>
</tbody>
</table>

*This figure does not agree with the A&S total in Table X because degrees granted with double majors are counted only once here.
**Excludes Law and Medicine.
TABLE X

DEGREES AWARDED, BY DEPARTMENT

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>American St.</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>5</td>
<td>9</td>
<td>4</td>
<td>5</td>
<td>9</td>
<td>4</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Anthropology</td>
<td>52</td>
<td>47</td>
<td>36</td>
<td>33</td>
<td>19</td>
<td>15</td>
<td>16</td>
<td>9</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Art*</td>
<td>5</td>
<td>7</td>
<td>5</td>
<td>8</td>
<td>--</td>
<td>28</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Biology</td>
<td>76</td>
<td>89</td>
<td>109</td>
<td>74</td>
<td>26</td>
<td>15</td>
<td>15</td>
<td>12</td>
<td>5</td>
<td>4</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>Chemistry</td>
<td>28</td>
<td>26</td>
<td>18</td>
<td>19</td>
<td>4</td>
<td>10</td>
<td>6</td>
<td>9</td>
<td>4</td>
<td>9</td>
<td>10</td>
<td>--</td>
</tr>
<tr>
<td>Comm. Disorders</td>
<td>15</td>
<td>16</td>
<td>12</td>
<td>13</td>
<td>21</td>
<td>17</td>
<td>20</td>
<td>16</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Comp. Literature</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Economics</td>
<td>34</td>
<td>50</td>
<td>32</td>
<td>40</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Econ.-Philosophy</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>English</td>
<td>37</td>
<td>50</td>
<td>46</td>
<td>44</td>
<td>4</td>
<td>12</td>
<td>7</td>
<td>5</td>
<td>9</td>
<td>4</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>English-Phil.</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Geography</td>
<td>9</td>
<td>12</td>
<td>6</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>--</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Geology</td>
<td>17</td>
<td>15</td>
<td>21</td>
<td>23</td>
<td>7</td>
<td>13</td>
<td>12</td>
<td>10</td>
<td>3</td>
<td>1</td>
<td>--</td>
<td>9</td>
</tr>
<tr>
<td>History</td>
<td>43</td>
<td>46</td>
<td>51</td>
<td>38</td>
<td>8</td>
<td>3</td>
<td>5</td>
<td>11</td>
<td>10</td>
<td>6</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>Home Economics*</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Ibero-Amer. St.**</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>2</td>
<td>1</td>
<td>--</td>
</tr>
<tr>
<td>Journalism</td>
<td>31</td>
<td>30</td>
<td>23</td>
<td>30</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Linguistics</td>
<td>2</td>
<td>--</td>
<td>1</td>
<td>--</td>
<td>1</td>
<td>--</td>
<td>2</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Lat. Amer. St.</td>
<td>6</td>
<td>2</td>
<td>5</td>
<td>9</td>
<td>7</td>
<td>9</td>
<td>3</td>
<td>6</td>
<td>7</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Math &amp; Stat.</td>
<td>30</td>
<td>20</td>
<td>19</td>
<td>9</td>
<td>7</td>
<td>4</td>
<td>5</td>
<td>3</td>
<td>6</td>
<td>1</td>
<td>3</td>
<td>--</td>
</tr>
<tr>
<td>Math &amp; Stat.</td>
<td>28</td>
<td>35</td>
<td>19</td>
<td>33</td>
<td>8</td>
<td>5</td>
<td>10</td>
<td>4</td>
<td>--</td>
<td>6</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>11</td>
<td>3</td>
<td>2</td>
<td>--</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Physics &amp; Astr.</td>
<td>6</td>
<td>10</td>
<td>7</td>
<td>9</td>
<td>3</td>
<td>6</td>
<td>6</td>
<td>5</td>
<td>3</td>
<td>8</td>
<td>3</td>
<td>--</td>
</tr>
<tr>
<td>Pol. Science</td>
<td>58</td>
<td>58</td>
<td>56</td>
<td>65</td>
<td>5</td>
<td>6</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>--</td>
<td>2</td>
</tr>
<tr>
<td>Psychology</td>
<td>79</td>
<td>82</td>
<td>75</td>
<td>91</td>
<td>10</td>
<td>14</td>
<td>10</td>
<td>8</td>
<td>9</td>
<td>7</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Russian St.</td>
<td>1</td>
<td>1</td>
<td>--</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Sociology</td>
<td>17</td>
<td>15</td>
<td>22</td>
<td>21</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>--</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Speech Comm.</td>
<td>17</td>
<td>20</td>
<td>16</td>
<td>24</td>
<td>12</td>
<td>13</td>
<td>13</td>
<td>11</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>M.A.T.</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>12</td>
<td>4</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>TOTAL</td>
<td>611</td>
<td>639</td>
<td>577</td>
<td>627*</td>
<td>171</td>
<td>197</td>
<td>147</td>
<td>123</td>
<td>69</td>
<td>68</td>
<td>55</td>
<td>58</td>
</tr>
</tbody>
</table>

1 Includes summer, fall, and spring graduates.

* Not departments of the College of Arts and Sciences, but major or minor is allowed.

** Interdisciplinary program at the doctoral level.

*** Degrees granted with double majors are counted once in each major department, so this total will not agree with Table IX.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Biology</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chemistry</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>English</td>
<td>14</td>
<td>6</td>
<td>4</td>
<td>10</td>
<td>8</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Geography</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Geology</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>History</td>
<td>7</td>
<td>7</td>
<td>3</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Journalism</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mathematics &amp; Statistics</td>
<td>9</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Modern &amp; Classical Lang.</td>
<td>19</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Philosophy</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Political Science</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Psychology</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Sociology</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Communication Arts</td>
<td>8</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Social Studies Composite</td>
<td>12</td>
<td>6</td>
<td>7</td>
<td>5</td>
<td>4</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Science Composite</td>
<td>8</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL</td>
<td>85</td>
<td>34</td>
<td>34</td>
<td>31</td>
<td>20</td>
<td>15</td>
<td>30</td>
</tr>
</tbody>
</table>
### TABLE XII

**ACADEMIC PROBATIONS, SUSPENSIONS, AND RELEASES**
**COLLEGE OF ARTS AND SCIENCES**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>On Probation</td>
<td>No.</td>
<td>%</td>
<td>No.</td>
<td>%</td>
<td>No.</td>
</tr>
<tr>
<td>1975-1976</td>
<td>81</td>
<td>3.0</td>
<td>81</td>
<td>3.0</td>
<td>262</td>
</tr>
<tr>
<td>Suspended</td>
<td>37</td>
<td>1.4</td>
<td>38</td>
<td>1.4</td>
<td>59</td>
</tr>
<tr>
<td>Released from</td>
<td>64</td>
<td>2.4</td>
<td>74</td>
<td>2.8</td>
<td>52</td>
</tr>
<tr>
<td>On Probation</td>
<td>No.</td>
<td>%</td>
<td>No.</td>
<td>%</td>
<td>No.</td>
</tr>
<tr>
<td>1976-1977</td>
<td>58</td>
<td>2.1</td>
<td>78</td>
<td>2.9</td>
<td>209</td>
</tr>
<tr>
<td>Suspended</td>
<td>47</td>
<td>1.7</td>
<td>46</td>
<td>1.7</td>
<td>64</td>
</tr>
<tr>
<td>Released from</td>
<td>70</td>
<td>2.5</td>
<td>71</td>
<td>2.6</td>
<td>58</td>
</tr>
</tbody>
</table>

**Number of Students Enrolled in Arts and Sciences:**
- Semester I, 1979-80: 2,267
- Semester II, 1979-80: 2,205

### TABLE XIII

**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**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>%</td>
<td>No.</td>
<td>%</td>
<td>No.</td>
</tr>
<tr>
<td>4.00</td>
<td>49</td>
<td>1.8</td>
<td>51</td>
<td>1.9</td>
</tr>
<tr>
<td>3.50-3.99</td>
<td>138</td>
<td>5.2</td>
<td>156</td>
<td>5.7</td>
</tr>
<tr>
<td>3.00-3.49</td>
<td>199</td>
<td>7.5</td>
<td>210</td>
<td>7.7</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>386</td>
<td>14.5</td>
<td>417</td>
<td>15.2</td>
</tr>
<tr>
<td>1978-1979</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.00</td>
<td>47</td>
<td>2.0</td>
<td>41</td>
<td>1.8</td>
</tr>
<tr>
<td>3.50-3.99</td>
<td>118</td>
<td>4.9</td>
<td>131</td>
<td>5.6</td>
</tr>
<tr>
<td>3.00-3.49</td>
<td>160</td>
<td>6.7</td>
<td>194</td>
<td>8.4</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>325</td>
<td>13.6</td>
<td>366</td>
<td>15.8</td>
</tr>
</tbody>
</table>

**Note:** % represents the percentage of the total Arts and Sciences enrollment for the semester indicated.
TABLE XIV
DEGREES GRANTED WITH HONORS*

<table>
<thead>
<tr>
<th>Honors in General Studies</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Magna Cum Laude</td>
<td>5</td>
</tr>
<tr>
<td>Cum Laude</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Departmental Honors</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>1</td>
</tr>
<tr>
<td>English</td>
<td>2</td>
</tr>
<tr>
<td>History</td>
<td>5</td>
</tr>
<tr>
<td>Modern and Classical Languages</td>
<td>2</td>
</tr>
<tr>
<td>Physics</td>
<td>1</td>
</tr>
<tr>
<td>Political Science</td>
<td>4</td>
</tr>
<tr>
<td>Psychology</td>
<td>6</td>
</tr>
<tr>
<td>Sociology</td>
<td>1</td>
</tr>
</tbody>
</table>

| Elected to Phi Beta Kappa | 17 |
| Elected to Phi Kappa Phi  | 16 |

TABLE XV

NEW RESEARCH AND TRAINING GRANTS, 1979-80

<table>
<thead>
<tr>
<th>Field</th>
<th>Dollars</th>
<th>Number of Faculty</th>
<th>Number of Grants</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>6,000</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Anthropology</td>
<td>132,472</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Biology</td>
<td>785,733</td>
<td>11</td>
<td>24</td>
</tr>
<tr>
<td>Chemistry</td>
<td>229,394</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>90,600</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Economics</td>
<td>511,439</td>
<td>6</td>
<td>14</td>
</tr>
<tr>
<td>English</td>
<td>50,148</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Geography</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Geology</td>
<td>436,594</td>
<td>11</td>
<td>17</td>
</tr>
<tr>
<td>History</td>
<td>40,918</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Journalism</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Linguistics</td>
<td>63,868</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics &amp; Statistics</td>
<td>198,544*</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Modern &amp; Classical Languages</td>
<td>44,757</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Philosophy</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Physics</td>
<td>346,108</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Political Science</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Psychology</td>
<td>193,549</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Sociology</td>
<td>99,116</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Contract Archaeology</td>
<td>555,583</td>
<td>3</td>
<td>25</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>3,784,823</td>
<td><strong>83</strong></td>
<td><strong>138</strong></td>
</tr>
</tbody>
</table>

*Does not include $758,502--Griego.
### TABLE XVI

<table>
<thead>
<tr>
<th>Department</th>
<th>GA's &amp; TA's*</th>
<th>RA's, PA's, &amp; Trainees**</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Studies</td>
<td>0.50</td>
<td>---</td>
</tr>
<tr>
<td>Anthropology</td>
<td>3.50</td>
<td>---</td>
</tr>
<tr>
<td>Biology</td>
<td>19.50</td>
<td>5.88</td>
</tr>
<tr>
<td>Chemistry</td>
<td>14.50</td>
<td>4.50</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>1.00</td>
<td>---</td>
</tr>
<tr>
<td>Economics</td>
<td>3.00</td>
<td>5.13</td>
</tr>
<tr>
<td>English</td>
<td>23.00</td>
<td>---</td>
</tr>
<tr>
<td>Geography</td>
<td>1.00</td>
<td>---</td>
</tr>
<tr>
<td>Geology</td>
<td>6.00</td>
<td>7.75</td>
</tr>
<tr>
<td>History</td>
<td>8.00</td>
<td>---</td>
</tr>
<tr>
<td>Journalism</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Linguistics</td>
<td>0.50</td>
<td>---</td>
</tr>
<tr>
<td>Mathematics &amp; Statistics</td>
<td>11.00</td>
<td>1.00</td>
</tr>
<tr>
<td>Modern &amp; Classical Languages</td>
<td>16.50</td>
<td>0.50</td>
</tr>
<tr>
<td>Philosophy</td>
<td>2.50</td>
<td>---</td>
</tr>
<tr>
<td>Physics &amp; Astronomy</td>
<td>7.50</td>
<td>1.75</td>
</tr>
<tr>
<td>Political Science</td>
<td>2.00</td>
<td>---</td>
</tr>
<tr>
<td>Psychology</td>
<td>6.00</td>
<td>4.00</td>
</tr>
<tr>
<td>Sociology</td>
<td>2.00</td>
<td>3.00</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>1.50</td>
<td>---</td>
</tr>
<tr>
<td>Inter-American Affairs</td>
<td>1.00</td>
<td>---</td>
</tr>
<tr>
<td>Meteoritics</td>
<td>0.50</td>
<td>3.25</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>133.87</strong></td>
<td><strong>33.76</strong></td>
</tr>
</tbody>
</table>

*Supported by A&S.

**Supported by Contracts and Grants.
<table>
<thead>
<tr>
<th>Date</th>
<th>Name, Title &amp; Address</th>
<th>Department</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/6/79</td>
<td>Professor D. Alexander, University of Michigan</td>
<td>Biology</td>
<td>Departmental Seminar</td>
</tr>
<tr>
<td>11/2/79</td>
<td>Professor Robert V. Pound, Harvard University</td>
<td>Physics</td>
<td>Colloquium</td>
</tr>
<tr>
<td>10/8/79</td>
<td>Gerald Garcia, Head, Capital Cities Communications, Inc.</td>
<td>Journalism</td>
<td>Address classes, confer with students</td>
</tr>
<tr>
<td>10/17/79</td>
<td>Richard D. Alexander, Museum of Zoology, University of Michigan</td>
<td>Biology</td>
<td>Colloquium</td>
</tr>
<tr>
<td>11/15/79</td>
<td>Professor I.H. Sloan, University of New South Wales</td>
<td>Physics</td>
<td>Confer with faculty, seminar for students</td>
</tr>
<tr>
<td>11/15/79</td>
<td>Ina Wittich, West Germany</td>
<td>Modern and Classical Languages</td>
<td>Sang Brecht songs in Keller Hall for faculty and students</td>
</tr>
<tr>
<td>11/30/79</td>
<td>Professor Joyce Lebra, University of Colorado, Boulder, Nationally known Japanese Historian</td>
<td>History</td>
<td>Lecture on &quot;Women in Asia&quot;</td>
</tr>
<tr>
<td>12/13/79</td>
<td>Dr. Thomas Krugh, Department of Chemistry, University of Rochester</td>
<td>Chemistry</td>
<td>Departmental Colloquium</td>
</tr>
<tr>
<td>1/8/80</td>
<td>Franklin Dickey Memorial Theatre</td>
<td>English</td>
<td>Dedication</td>
</tr>
<tr>
<td>1/28/80</td>
<td>Prof. Syun-Ichi Akasofu, International Institute of India</td>
<td>Physics</td>
<td>Seminar on Magnetic Field Configuration of the Heliosphere</td>
</tr>
<tr>
<td>2/6/80</td>
<td>Iain Davidson, Professor, Department of Prehistory and Archaeology, University of New England, Armindale, NSW, Australia</td>
<td>Anthropology</td>
<td>Colloquium and confer with students</td>
</tr>
<tr>
<td>3/6/80</td>
<td>Prof. Michael Weisser, University of South Carolina</td>
<td>History</td>
<td>Colloquium on Iberian History</td>
</tr>
<tr>
<td>Date</td>
<td>Name, Title &amp; Address</td>
<td>Department</td>
<td>Purpose</td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------------------------------------------</td>
<td>-----------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>3/12/80</td>
<td>Dr. Marvin Fisher, Arizona State University</td>
<td>English</td>
<td>Lecture to faculty and students</td>
</tr>
<tr>
<td>3/18/80</td>
<td>Mexico Week</td>
<td>Latin American Institute</td>
<td>Support for speakers</td>
</tr>
<tr>
<td>3/19/80</td>
<td>Max Black, Program for Science Technology and Society at Cornell University, British Philosopher of Science</td>
<td>Philosophy with Medical School</td>
<td>One month of lectures as follows: Medicine as Art and Science, Technology and its Impact on Medical Humanism, Medical Education and the Formation of the Physician, What do We Mean by the Good Physician, Is There a Medical Ethic?</td>
</tr>
<tr>
<td>4/9/80</td>
<td>Dr. Alfonso Sastre, University of Argentina</td>
<td>Modern and Classical Languages</td>
<td>Conference with the faculty and students in the Department</td>
</tr>
<tr>
<td>3/27/80</td>
<td>International Week</td>
<td>English and History</td>
<td>Lecturers and panel members</td>
</tr>
<tr>
<td>3/28/80</td>
<td>Xavier Ribalta, Spanish singer from Spain</td>
<td>Modern and Classical Languages</td>
<td>Spanish songs to faculty and students</td>
</tr>
<tr>
<td>3/28/80</td>
<td>Judith Fryer, Professor of American Studies, Miami University, Ohio</td>
<td>American Studies</td>
<td>Lecture and seminar to faculty and students</td>
</tr>
<tr>
<td>2/13/80</td>
<td>Prof. Sacvan Bercovitch, Columbia University</td>
<td>American Studies</td>
<td>Colloquium and seminar to faculty and students</td>
</tr>
<tr>
<td>5/6/80</td>
<td>Prof. Martha Vicinus, Department of English Studies, Indiana University</td>
<td>English</td>
<td>Lecture on Victorian Studies</td>
</tr>
<tr>
<td>9/27/79</td>
<td>Dr. Clyde Snow, FAA Chief of Disaster Research</td>
<td>Anthropology</td>
<td>Lectures on Forensic Anthropology, class discussions and discussion of problems</td>
</tr>
<tr>
<td>Date</td>
<td>Name, Title &amp; Address</td>
<td>Department</td>
<td>Purpose</td>
</tr>
<tr>
<td>---------</td>
<td>--------------------------------------------</td>
<td>------------</td>
<td>----------</td>
</tr>
<tr>
<td>3/28/80</td>
<td>H.B. Knowles, Washington State University</td>
<td>Physics</td>
<td>Colloquia</td>
</tr>
<tr>
<td>4/4/80</td>
<td>W.H. Bostick, Steven Institute of Technology</td>
<td>Physics</td>
<td>Colloquia</td>
</tr>
<tr>
<td>5/2/80</td>
<td>Allan Watson, University of Leeds, U.K.</td>
<td>Physics</td>
<td>Colloquia</td>
</tr>
<tr>
<td>3/10/80</td>
<td>Morris Friedman, Columbia University</td>
<td>English</td>
<td>Lecture</td>
</tr>
<tr>
<td></td>
<td>Final 1979 Figures*</td>
<td>Preliminary 1980 Figures**</td>
<td></td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------------------</td>
<td>---------------------------</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Allocation</td>
<td>Allocation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$</td>
<td>%</td>
<td>$</td>
</tr>
<tr>
<td>American Studies</td>
<td>7,435</td>
<td>1.93</td>
<td>6,033</td>
</tr>
<tr>
<td>Anthropology</td>
<td>18,643</td>
<td>4.84</td>
<td>16,131</td>
</tr>
<tr>
<td>Biology</td>
<td>28,750</td>
<td>7.46</td>
<td>32,039</td>
</tr>
<tr>
<td>Chemistry</td>
<td>22,817</td>
<td>5.92</td>
<td>25,496</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>4,102</td>
<td>1.06</td>
<td>3,659</td>
</tr>
<tr>
<td>Economics</td>
<td>16,456</td>
<td>4.27</td>
<td>18,983</td>
</tr>
<tr>
<td>English</td>
<td>46,671</td>
<td>12.12</td>
<td>50,749</td>
</tr>
<tr>
<td>Geography</td>
<td>10,000</td>
<td>2.60</td>
<td>9,243</td>
</tr>
<tr>
<td>Geology</td>
<td>8,286</td>
<td>2.15</td>
<td>9,826</td>
</tr>
<tr>
<td>History</td>
<td>22,682</td>
<td>5.89</td>
<td>24,930</td>
</tr>
<tr>
<td>Journalism</td>
<td>7,178</td>
<td>1.86</td>
<td>6,738</td>
</tr>
<tr>
<td>Linguistics</td>
<td>4,638</td>
<td>1.20</td>
<td>4,677</td>
</tr>
<tr>
<td>Modern &amp; Classical Lang.</td>
<td>46,320</td>
<td>12.02</td>
<td>72,209</td>
</tr>
<tr>
<td>Philosophy</td>
<td>8,866</td>
<td>2.30</td>
<td>5,791</td>
</tr>
<tr>
<td>Physics &amp; Astronomy</td>
<td>14,047</td>
<td>3.65</td>
<td>13,409</td>
</tr>
<tr>
<td>Political Science</td>
<td>14,653</td>
<td>3.80</td>
<td>13,202</td>
</tr>
<tr>
<td>Psychology</td>
<td>19,318</td>
<td>5.01</td>
<td>16,396</td>
</tr>
<tr>
<td>Sociology</td>
<td>11,079</td>
<td>2.88</td>
<td>14,258</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>11,641</td>
<td>3.02</td>
<td>12,654</td>
</tr>
<tr>
<td>IAA (ICLAS)</td>
<td>217</td>
<td>0.06</td>
<td>150</td>
</tr>
<tr>
<td>Foreign Programs</td>
<td>11,500</td>
<td>2.99</td>
<td>7,200</td>
</tr>
<tr>
<td>Research Stipends</td>
<td>6,500</td>
<td>1.69</td>
<td>7,000</td>
</tr>
<tr>
<td>Contingency</td>
<td>5,093</td>
<td>1.32</td>
<td>589</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>385,206</td>
<td>99.99</td>
<td>414,578</td>
</tr>
</tbody>
</table>

*These figures vary only slightly from Table XIX of 1978-79 Annual Report for Journalism, Modern and Classical Languages, and the Contingency because that table gave only preliminary figures.

**Data as of May 28, 1980.
### TABLE XIX

A&S TRAVEL DISBURSEMENTS

<table>
<thead>
<tr>
<th>Department</th>
<th>Paper Presentation</th>
<th>Officer Participation</th>
<th>Miscellaneous Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. of Trips</td>
<td>$</td>
<td>No. of Trips</td>
</tr>
<tr>
<td>American Studies</td>
<td>1</td>
<td>176.40</td>
<td>--</td>
</tr>
<tr>
<td>Anthropology</td>
<td>10</td>
<td>1,686.40</td>
<td>1</td>
</tr>
<tr>
<td>Biology</td>
<td>13</td>
<td>2,480.14</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry</td>
<td>13</td>
<td>2,075.44</td>
<td>--</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>--</td>
<td>--</td>
<td>1</td>
</tr>
<tr>
<td>Economics</td>
<td>4</td>
<td>713.00</td>
<td>--</td>
</tr>
<tr>
<td>English</td>
<td>11</td>
<td>2,213.92</td>
<td>2</td>
</tr>
<tr>
<td>Geography</td>
<td>3</td>
<td>465.15</td>
<td>--</td>
</tr>
<tr>
<td>Geology</td>
<td>4</td>
<td>491.80</td>
<td>--</td>
</tr>
<tr>
<td>History</td>
<td>14</td>
<td>2,510.84</td>
<td>1</td>
</tr>
<tr>
<td>Inter-American Affairs</td>
<td>2</td>
<td>255.30</td>
<td>--</td>
</tr>
<tr>
<td>Journalism</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Linguistics</td>
<td>2</td>
<td>354.00</td>
<td>--</td>
</tr>
<tr>
<td>Mathematics</td>
<td>7</td>
<td>1,692.60</td>
<td>--</td>
</tr>
<tr>
<td>Modern &amp; Classical Lang.</td>
<td>8</td>
<td>1,445.70</td>
<td>1</td>
</tr>
<tr>
<td>Philosophy</td>
<td>5</td>
<td>1,040.70</td>
<td>--</td>
</tr>
<tr>
<td>Physics</td>
<td>7</td>
<td>1,365.30</td>
<td>--</td>
</tr>
<tr>
<td>Political Science</td>
<td>8</td>
<td>1,405.80</td>
<td>--</td>
</tr>
<tr>
<td>Psychology</td>
<td>14</td>
<td>2,194.54</td>
<td>2</td>
</tr>
<tr>
<td>Sociology</td>
<td>2</td>
<td>383.10</td>
<td>1</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>12</td>
<td>2,093.40</td>
<td>1</td>
</tr>
<tr>
<td>TOTAL</td>
<td>140</td>
<td>25,043.53</td>
<td>14</td>
</tr>
</tbody>
</table>
Under the direction of the chair, Sam B. Girgus, graduate students were encouraged to strengthen the focus and interdisciplinary nature of their programs primarily by selection of committees that include some of the university's best scholars. The core faculty in American Studies continue their increased production of research and scholarship, which is documented in the record of publication and activities given in the following pages.

At the American Studies Association national conference Professor Bannan presented her paper, "My Daughter, The American: The Mother/Daughter Relationship in 20th Century Native American Literatures," in Minneapolis, Minnesota, September, 1979. In October of 1979 she chaired a session at the Western Literature Association Convention held in Albuquerque entitled "Immigrant Experiences." At "The Search for Women's History" Conference held at the University of Southern Florida in Tampa, March 1980, Professor Bannan participated in a panel on "Reclaiming Women's History," presenting her paper "Folklore as a Source for Women's History." She also presented "Native American Mothers and Daughters" at that same conference. "Autobiography and Intercultural Relations: Anglo Women on the Navajo Reservation, 1900-1945," was presented at the Western Social Science Convention held in Albuquerque in April 1980.

Professor Bannan continues to be active in the Rocky Mountain American Studies Association, this year serving as president. She also continues to serve on the Women Studies Committee and was on the General Honors Council search committee for a new director. She serves as an editorial consultant for the New Mexico Humanities Council Newspaper Committee. As faculty advisor for undergraduates Professor Bannan is active with American Studies majors.
From the College of Arts and Sciences, Professor Bannan received a summer research stipend of $1,400 to further her research on women anthropologists on Southwestern Indian Reservations. To develop her new course, "The Indian in American Popular Culture," she was awarded $550 from the Greater UNM Fund Allocations Committee. The money will be used to order and show films which portray the Native American in all aspects of American life. In the fall of 1979, Professor Bannan also developed a new course entitled "The Indian in Multi-Cultural Settings."

In September Charles D. Biebel went as an invited participant to Beilefeld, West Germany to take part in the "International Symposium on Bildungspolitik der vier Besatzungsmächte." At the National History of Education Conference in Washington, D.C. in November he presented a paper and in December he gave his paper, "The Albuquerque Public Schools in Historical Perspective" at the International Year of the Child Symposium in Albuquerque. As the keynote speaker of the Museum of Albuquerque History Symposium he delivered, "A Railroad History of Albuquerque."

Professor Biebel's article, "Historic Albuquerque Today," appeared in the New Mexico Historical Review, vol. 54, pp. 229-230. Another article, "Community and Culture: Images of Change in New Mexico," is forthcoming in Southwest Images and Trends: Factors in Community Development, ed. Helen M. Bannan. Also forthcoming is "Education and
Cultural Policy at the End of Occupation: James B. Conant in Germany," in *Bildungspolitik der vier Besatzungsmächte*, ed. William Roessler. Professor Biebel continues to serve as an editorial reader for *History of Education Quarterly* and as a member of the Committee on Constitutional Revision for the National History of Education Society. He is also a member of the History Advisory Committee for the Albuquerque Museum and the Citizens Advisory Council of the Albuquerque Public Schools. At the University Professor Biebel serves on the Advisory Council for the Women's Center and is faculty-advisor for *New America: A Review*. This year he will be the New Mexico coordinator for the American Studies Association Project for American Studies in the Secondary Schools.

Professor Sam B. Girgus continues to chair the department of American Studies and serve as graduate advisor. The *Dictionary of Literary Biography* requested that Professor Girgus write an essay for their volume on *American Novelists Since World War II*. His 5,000 word essay, "John Hersey: The Liberal Mind in Transition," will appear in that volume. Also forthcoming is a review of Ihab Hassan's *The Right Promethean Fire*. The review entitled "Modernism, Postmodernism and the Gauntlet of Beliefs," will be published in *Salmagundi*.
Professor Girkus' paper "Beyond New York: The Jewish Experience and the American West," was presented to the Canadian Association for American Studies for the fifteenth annual conference on "Westward Movements," in November in Vancouver, Canada. As panel chair for the Seventh Biennial Convention of the American Studies Association held in September in Minneapolis, Minnesota, he presented "The Jewish Experience in America: Old Myths and New Realities."

An award of $16,000 was given to Professor Girkus by the Rockefeller Foundation in order that he further work on his second book to be titled, "The New Covenant: the Jews and the Myth of America." In May Girkus also received a promotion to full professor to become effective in August 1980.

A new course, "The Modern Tradition and the American Self," was developed and taught by Professor Girkus in the Spring semester, 1980.

Continuing his effort to attract noted scholars to the University Professor Girkus arranged for Professor Dieter Schulz of Stuttgart University to speak in September on, "Knight Errantry in America: Melville's Pierre and the Tradition of Quest Romance." In October Professor Houston A. Baker, Jr., of the University of Pennsylvania gave a lecture entitled "Autobiography: The Voice of the Southern Slave." Jointly sponsored by the department of American Studies - 5
English, Professor Sacvan Bercovitch of Columbia University, in February, gave a lecture entitled, "Melville's World: The Example of Pierre." Later in the day, Bercovitch held a special seminar for interested graduate students and faculty. In March Professor Judith Fryer, of Miami University, presented her lecture, "Willa Cather's Felicitous Space." Funds for the lectures by Schulz and Baker were obtained from the Faculty Speaker's Committee. The College of Arts and Sciences partially funded the Bercovitch lecture and entirely funded the lecture given by Fryer.

In the third year of his joint appointment in American Studies and English, Professor Hamlin Hill continued to give doctoral students in this department valuable assistance. Professor Hill also chairs the department of English. For spring and summer 1980 he received a Fulbright Senior Fellowship to the University of Wurzburg, Germany.

In addition to his considerable administrative responsibilities as Associate Provost for Academic Affairs, Joel Jones continues his interest and service to American Studies through a joint appointment. He continues to serve on: the National Board of Consultants of the National Endowment for the Humanities, the Board of Editors of American Literary Realism, and the Editorial Advisory Board for Environmental Ethics: An Interdisciplinary Journal Dedicated to the Philosophical Aspects of Environmental Problems.
At a conference at Miami University honoring Walter Navig-hurst Jones delivered, "The Resurgence of Regionalism: Sense of Past, Sense of Place, Sense of Person. As an article, that paper appeared in the Fall issue of Ohioan Quarterly. While in Ohio he met with the faculty of Western College to discuss the future of interdisciplinary programs.

In the spring of 1980, Jones developed and taught a new course entitled, "The American Athlete." He was also a major force, with Vera Norwood, in instituting the Basic Skills program in the fall of 1979.

Ms. Norwood continues to teach one course per semester for the department of American Studies in addition to her duties as Assistant to the Provost.

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, and Peter White. A request was made in April for Peter Lupsha of Political Science to be added to the committee.

Four graduate students completed doctoral work in the 1979-80 year. The students, their dissertation topics and the dissertation directors are listed below:

Francis P. Bowles AMERICA AT BAT: THE BASEBALL HERO IN AMERICAN LIFE AND LETTERS

Jerry W. Henderson POLITICS IN THE NOVELS OF JOHN DOS PASSOS

American Studies - 7
Russell S. Saxton

Robert T. Wood

CULTURAL BIAS IN SOUTHWEST HISTORY TEXTBOOKS


From the many applicants who completed the requirements for applying, nine were admitted to the American Studies program. Seven were admitted to the doctoral program, two were admitted to the new Master's degree 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 this program. Teaching assistantships in the English Department remain the major source of assistance. Many of our students have been successful in finding other sources of aid.

Shelley S. Armitage received the UNM Graduate Fellowship for the academic year 1980-81. The award includes a stipend of $5,000 plus a tuition waiver. Kyle Ferster Fiore and Henrietta V. Whiteman are both recipients of Danforth Fellowships in the amount of $3,500. Patricia O. Williams received $1,000 from the Alpha Sigma Washington State Scholarship, $2,800 from the Delta Kappa Gamma International Society Scholarship, and a $250 award from the Rachel Royston Scholarship.
Other graduate students have received grants to help further their research and scholarly interests. Janice R. Holmlund received a Humanities Council Mini-Grant in the amount of $1,300 to sponsor two public forums about the village of Tijeras, New Mexico. Joseph Weiss received a Graduate Student Association Research Allocations Grant in the amount of $240 and an award of $4,886 from the American Lutheran Church to continue research related to his dissertation topic.


Also active in conferences, American Studies graduate students presented papers. At the Modern Language Association meeting in San Francisco, Shelley S. Armitage presented, "Marietta Holley: The Humorist as Realist," and at the National American Studies Association meeting she gave, "Comic Columnists Since the Civil War."

Candace Klaschus gave her paper, "If You Can't Get to Heaven, There's Always Colorado: The Family in the Novels of Louis L'Amour," at the Western Literature Association Conference. At the Midwest Popular Culture Association, Agnesa Lufkin delivered the paper, "A Doctrine of Personal Power: Sade and Spillane." As chair for the annual meeting of the Rocky Mountain American Studies Association, Nancy M. Theriot presented, "American Women: Public Images and Self-Description." Ms. Theriot also served as a session chair and commentator for the Western Social Science Association's annual conference in Albuquerque. At that same conference, Kyle Ferster Fiore delivered her
In addition to their scholarly activities, several American Studies graduate students serve their communities as well as the university and other communities. On leave from her position as Director of Native American Studies as the University of Montana, Henrietta V. Whiteman coordinated a workshop for the Indian Women and Public Management Career Development Conference and serves as a member of the Review Team to assess the impact of the Native American Studies at Dartmouth College. Kyle Ferster Fiore will act as the summer coordinator of the Women Studies Program at UNM and Winona Garmhausen continues to direct the art program at the College of Santa Fe.

Other graduate students have found teaching positions. Lawrence Burke is currently at St. Albert's Priory at the University of Dallas, Jerry Henderson is an instructor of English at Louisiana State University, Diane Layden teaches at the University of Houston, James Robertson has an administrative position at Oglala Sioux Community College in Pine Ridge, South Dakota.

Under the direction of Profess Charles D. Biebel, *New America: A Review*, the publication of the American Studies department, received the following grants: New Mexico Arts Division, $2,500; Coordinating Council of Literary Magazines, $3,500; and from the Graduate Student Association of UNM, $1,100. Two issues of *New America*, *The Energy Issue* and *Cuentos Chicanos*, were published this year.
The Report of the Department of Anthropology
July 1, 1979 - June 30, 1980
Philip K. Bock, Chairman

I. General Departmental Information
A. Significant Achievements During the Academic Year, 1979-80

The academic year 1979-80 was primarily a time of consolidation for the Department of Anthropology. Two senior positions were lost due to resignations (Drs. Lamphere and Workman), and only one junior person was hired (Dr. Chisholm); however, with the approval of the Dean and the Provost, the department was able to keep part of the salary from the lost position to pay Visiting Professors (usually our own adjuncts) to give specialized courses in several fields. Several valuable part-time people also left UNM (Drs. LeBlanc, Lister, and Spolsky), but a promising young scholar, Dr. Larry Gorbet, did receive tenure in Anthropology.

A large number of changes were made in the undergraduate curriculum this year in response to changing student interests and enrollment patterns: a dozen specialized, advanced courses were deleted from the catalog and a few new lower-division courses and laboratories were instituted. For the first time in several years the trend of falling undergraduate enrollments was halted and even slightly reversed.

Graduate applications (especially in archaeology) continue steady, but it is increasingly difficult for us to compete for the very best
ones with those universities that are able to offer generous financial aid to new students. This year anthropology awarded 6 Ph.D.s and 11 M.A.s in a variety of sub-fields, but the number of doctorates earned over the next few years will probably be somewhat lower unless new sources of funding are made available, both for training and research. (For more information on the graduate program, please see Table 1.)

No major changes were made in the organization of the department. The Graduate and Undergraduate Committees and the Board of Archaeologists functioned well, and I wish to reaffirm the desirability of regular course reductions for the chairpersons of those three departmental committees, as well as for faculty members who serve on major University search committees and on standing committees of the Faculty Senate.

Anthropology participated actively in the Basic Skills program with Drs. Barrett and Bock teaching courses assisted by Ms. Mary Meyer (a G.A. with experience in remedial education). The experiment was worthwhile, but our consensus is that the amount of effort required is too great relative to the probable benefits for a very few students. Most college professors are simply not trained as remedial educators and, even with the best will in the world, their effectiveness in such a program is limited, while time is taken away from activities that they should be pursuing.

Research activity in the department was quite high with many professors attending regional and national meetings, publishing, and conducting field studies both here and abroad (see Part II). Dr. Bledsoe spent the year at A.I.D. in Washington, while Drs. Weigle and Froehlich each had a semester for research. Dr. Cordell again conducted the Summer Field School and has planned the 1980 session.
for a site in the Pecos area. The Maxwell Museum mounted three exhibitions of very high quality and enlarged its research and publication programs. Despite problems with printing, the *Journal of Anthropological Research* continued to publish significant issues. After five years as Editor, Dr. Spuhler announced his intention to step down; he will be replaced by Professor Emeritus Harry W. Basehart, who continues to play an important role in the department.

A long list of visiting lecturers presented talks under departmental auspices (please see Table 2). This spring the department voted to reduce the number of regular Harvey Fellows (one-week visits) to one per academic year, but to allow the chairman to use Harvey Fund monies, at his discretion, to pay small honoraria (under $300.00) to distinguished speakers who are temporarily in the UNM area.

The department showed some unusual political activity this year with several faculty members participating in Faculty Senate and University affairs, especially with regard to the athletic scandal and the selection of a new Dean of Arts and Sciences; however, apathy and privatism remain strong, and the active minority still has to carry the load for the silent majority. Department meetings and student colloquia attract a bare quorum, and attempts to improve intra-departmental communication (e.g., through a regular Newsletter) have not been very successful. Most faculty members simply do not think of keeping their chairman informed of their activities (or even their needs) until an emergency arises, and problems that could be solved easily are often allowed to grow and become complicated.

In looking back over my three year term as chairman I feel reasonably satisfied: hiring, promotions, and tenure decisions have
all been reasonable and made with a high degree of consensus; decent lab space in the Anthropology Annex has been acquired for archaeology programs (including OCA); salaries have been increased (on merit) and have generally kept up with inflation; no major personal crises or administrative scandals have occurred (as of the moment of this writing). The office staff has functioned effectively under the direction of Mrs. Freddie Heitman. Important additions have been made to the Clark Field Archive and the Parkhurst Film Library, and essential equipment has been provided to all programs with justified needs. Relations between the department and the administration have been characterized by cooperation rather than confrontation and, despite some difficulties, I feel that department morale is reasonably high. The unanimous choice of Jeremy Sabloff as chairman-elect was a wise one. Under his leadership, the department may now move into a period of moderate growth in teaching and research programs.
Table 1
Graduate Program Information
1979-80

Registration Data

<table>
<thead>
<tr>
<th></th>
<th>Registered</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 1979</td>
<td>96</td>
<td>45</td>
<td>51</td>
</tr>
<tr>
<td>Spring 1980</td>
<td>90</td>
<td>50</td>
<td>40</td>
</tr>
</tbody>
</table>

Degrees Awarded

<table>
<thead>
<tr>
<th></th>
<th>Ethnology</th>
<th>Archaeology</th>
<th>Linguistics</th>
<th>Biological</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer 1979</td>
<td>1 M.A.</td>
<td>1 M.A.</td>
<td>1 Ph.D.</td>
<td>1 M.A.</td>
</tr>
<tr>
<td>Fall 1979</td>
<td>1 M.A.</td>
<td>1 Ph.D.</td>
<td>1 M.A.</td>
<td>3 Ph.D.</td>
</tr>
<tr>
<td>Spring 1980</td>
<td>1 M.A.</td>
<td>5 M.A.</td>
<td>2 M.A.</td>
<td>1 Ph.D.</td>
</tr>
</tbody>
</table>

Terminal M.A.'s Awarded (Summer 1979-Spring 1980): 2

Graduate Students in Each Subdiscipline
as of Spring 1980

<table>
<thead>
<tr>
<th></th>
<th>Ethnology</th>
<th>Archaeology</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Total-31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

|        | Linguistics | Biological |
|---------------------|-------------|
| 2    | 5         | 2           | 7    | 7         | 2           |
| Total-2 |           |             | Total-14 |           |             |

Applications to Anthropology
Graduate Program

<table>
<thead>
<tr>
<th></th>
<th>Applicants</th>
<th>Accepted</th>
<th>Enrolled</th>
<th>Declined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring 1980</td>
<td>17</td>
<td>13</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>Fall 1980</td>
<td>103</td>
<td>52</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

(as of June 10)

Financial Aid:
Graduate Assistantships: 10 full
Work Study: Department: 3, Museum: 2
NSF Fellowship: 1
Ford Foundation Fellowship: 1
Employment with Office of Contract Archaeology: 10
Employment with Chaco Center: 1
NEH Grant: 1
Weatherhead Fellowship: 1
### Table 2

**Anthropology Colloquia, Guest Lectures, and Harvey Lectures 1979-80**

<table>
<thead>
<tr>
<th>Colloquia</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Larry Gorbet</td>
<td>A Problem in Southwestern Areal Linguistics</td>
</tr>
<tr>
<td>Dr. W. J. Judge</td>
<td>Chaco Canyon (sponsored by Sigma Xi, one of the lectures on &quot;Recent Advances in Scientific Research&quot;)</td>
</tr>
<tr>
<td>Dr. Lawrence Straus</td>
<td>European Cave Art</td>
</tr>
<tr>
<td>Dr. Patricia Draper and Dr. Henry Harpending</td>
<td>The Absent Father</td>
</tr>
<tr>
<td>Dr. Birute Galdikas</td>
<td>Orangutan Social Organization and Ecology</td>
</tr>
<tr>
<td>Dr. Fred Plog</td>
<td>Recent Work at Chavez Pass</td>
</tr>
<tr>
<td>Dr. Iain Davidson</td>
<td>Site Variability and Prehistoric Economy in Eastern Spain</td>
</tr>
<tr>
<td>Dr. Peter Harrison</td>
<td>Recent Advances in the Study of Pre-Hispanic Mayan Agriculture</td>
</tr>
<tr>
<td>Dr. Frances Purifoy</td>
<td>Androgens and Aging in Pima Indian Females</td>
</tr>
<tr>
<td>Mr. C. Elliott Moore</td>
<td>New Methods of Facial Restoration</td>
</tr>
<tr>
<td>Dr. Evelyn A. Early</td>
<td>The Logic of Experience and Well Being in Illness Narratives in Cairo, Egypt</td>
</tr>
<tr>
<td>Dr. Steven Gaulin</td>
<td>Two Contributions to a Theory of Behavioral Adaptation</td>
</tr>
<tr>
<td>Dr. James Chisholm</td>
<td>Prenatal Biosocial Influences on Newborn Behavior</td>
</tr>
<tr>
<td>Dr. George Gummerman</td>
<td>Archaeology in Micronesia</td>
</tr>
<tr>
<td>Dr. Clyde Snow</td>
<td>Physical Anthropology and Medicolegal Investigation</td>
</tr>
</tbody>
</table>

A-6
### Special Harvey Lectures

<table>
<thead>
<tr>
<th>Lecturer</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Irven DeVore</td>
<td>Evolution of Mating Strategies in Humans and Other Animals</td>
</tr>
<tr>
<td>Dr. Harumi Befu</td>
<td>Cultural Ideology and Ethnic Identity in Japan</td>
</tr>
<tr>
<td>Dr. Roy A. Rappaport</td>
<td>The Construction of Time and Eternity in Ritual</td>
</tr>
<tr>
<td>Dr. Larissa Lomnitz</td>
<td>Social History of Mexican Elite Families</td>
</tr>
<tr>
<td>Dr. Richard A. Diehl</td>
<td>Carrying Capacity in the Olmec Region, Mexico</td>
</tr>
</tbody>
</table>

### Harvey Lecturers

<table>
<thead>
<tr>
<th>Lecturer</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Michael E. Krauss</td>
<td>Lecture topic: Alaskan Native Languages—Past, Present, Future</td>
</tr>
<tr>
<td>(Fall, 1979)</td>
<td>Colloquium: Linguistics and Athabaskan Languages</td>
</tr>
<tr>
<td>Dr. Alison Brooks &amp;</td>
<td>Lecture topic: The Kalahari: After the Fall</td>
</tr>
<tr>
<td>Dr. John Yellen</td>
<td>Colloquium: Ethnoarchaeology: Environment, Location, and Human Activity in the African Subtropics</td>
</tr>
<tr>
<td>(Spring, 1980)</td>
<td></td>
</tr>
</tbody>
</table>
The Report of the Division of Cultural Research
July 1, 1979 - June 30, 1980
W. James Judge, Chief

The Chaco Center, a National Park Service supported research facility working in cooperation with the University of New Mexico, continued archaeological and environmental research in the central portion of the San Juan Basin. The Division began the year with five permanent employees and ten temporary employees to continue the laboratory analyses and syntheses of the previous year's work.

Field research was limited to a few small investigations left unfinished from 1978. Work at Una Vida was completed in May during the scheduled backfilling and a few weeks were spent in mid-summer completing work on an outside plaza structure in close proximity to a major road complex at Pueblo Alto. Testing and mapping of several roads around Pueblo Alto was also completed in conjunction with the plaza work.

Other projects carried out during the summer included reinvestigation and mapping of canyon water-control structures, testing for sites that might be impacted by proposed road construction, and mapping exposed walls and features in many Bonito phase towns. The Tree-Ring Laboratory recored many of the existing beams left in Chetro Ketl from the 1930's work there. Investigations of the agricultural productivity in Chaco Canyon were continued this year with the establishment and maintenance of two corn plots. Final testing was made at 29SJ1360. Examination of packrat middens, in cooperation with specialists from the University of Arizona, was made to aid in a study of cultural ecology and past environments.
Laboratory analysis continued throughout the year with most of the detailed analysis being completed for the majority of sites excavated by the Chaco Center. This includes primarily the chipped stone, ground stone, faunal and ceramic (including temper) analyses, as well as the ornaments. All are in various stages of computer processing and final interpretation.

Twelve manuscripts dealing with various aspects of Chacoan research were produced by staff members or collaborators and are on file in the Division Library. In addition, the "Stone Circles of Chaco Canyon" by T. Windes and "Development of a Complex Cultural Ecosystem in the Chaco Basin" by W. J. Judge were published. Several others are in press.

Staff members have also invested considerable time in analyzing previously analyzed Chacoan skeletal material and helping with other aspects of the UNM Laboratory of Physical Anthropology. Information derived from these studies will be shared with the Lab when completed.

The Center continues to receive much use by UNM faculty, staff and students pursuing anthropological research, both Chaco and non-Chaco related. Cooperative programs with the University of New Mexico Departments of Geology, Anthropology and Biology, and with Photo Services and the Office of Contract Archeology continued. Dr. Judge and the staff offered both formal and informal training in Southwestern archaeology to University students on various aspects of Chacoan and Chaco-related research. Furthermore, Dr. Judge continues to serve as Chairman or member of both M.A. and Ph.D. graduate committees.

Joint programs also were conducted with other National Park Service Divisions, with the Bureau of Land Management, the Bureau of Indian Affairs, the New Mexico Archaeological Society, the Public Service Company of New Mexico, and several private research foundations.
July 1, 1979 - June 30, 1980
Joseph C. Winter, Director

Introduction

Since its establishment in 1973, the Office of Contract Archeology has provided a variety of professional cultural resource management services to public agencies and private concerns throughout New Mexico. These services include archaeological surveys and archival research for environmental impact statements; cultural overviews for long range land planning; and archaeological excavations and ethnohistoric/ethnographic studies to mitigate the effects of development projects. All of these projects are carried out within a research framework and ultimately result in the preparation of monographs and reports that describe and interpret the cultural resources under investigation. Current projects are listed on the attached Table.

The O.C.A. has grown enormously over the past 6 years, from what was essentially a one person, one project organization to an office which periodically employs up to 12 permanent staff, approximately 30 occasional staff and 6-7 work study students. The office is now involved in four large mitigation projects, while one other is about to start up. Dozens of smaller survey and mitigation projects are in varying states of completion.

The following sections describe the accomplishments, goals and challenges of the O.C.A.

Review of Activities

During the past year the O.C.A. completed 29 projects and is currently involved in 16 projects. Major efforts are described below.
Field work for the Utah International Inc. Mitigation Project in the CGP survey area along the lower Chaco River near Farmington, New Mexico was completed in 1979 by the Office of Contract Archeology. The final report is now being edited. Frank Broilo and Joseph Winter were Principal Investigators, with James Moore the Field Director and Fred York the Project Ethnographer. The main research theme was the investigation of human adaptations in a marginal environment, and the relations of the local groups with regional populations, such as in Chaco Canyon. Four Archaic, 1 Anasazi and 3 Navajo sites were excavated. The Archaic sites appear to have been small microband campsites that were infrequently used by transient foragers. One site was C\textsuperscript{14} dated at 2395±50:445 B.C. (UGA-2893) and 2825±70:875 B.C. (UGA-2894). The Anasazi site was a small PII period special use site with Chuskan and Mesa Verdean ceramics. It was apparently used for plant processing, storage and tool manufacture. The 3 Navajo sites were residences of sheep herders which dated from the early to mid 1900s. Interviews with former inhabitants and their descendants enabled the development of biographical histories of the sites.

The study of high altitude human adaptations is the focus of the Office of Contract Archeology's Baca Geothermal Mitigation project along the headwaters of Redondo Creek in the Jemez Mountains. Twenty-nine sites that range in elevation from 8400' (2545m) to 9900' (3000m) are being investigated by a combined archeological/ethnographic/ethnohistoric program to mitigate the effects of geothermal development. Funding is being provided by the Union Geothermal Company of New Mexico. Joseph Winter is Principal Investigator, and Craig Baker is Project Director, while Dan Scurlock is the Project Ethnohistorian and Lois Weslowski is the Project Ethnographer. Twenty-one of the sites are obsidian artifact

A-11
scatters that were used as camps for hunters, plant gatherers and tool manufacturers. Since Redondo Creek is the main access route into the obsidian-rich Valle Grande, certain of the sites are major camps and tool workshops. C\(^{14}\) and obsidian hydration samples suggest that the sites were used from approximately 3000 B.C. well into historic times. The ethnographic research indicates that the study area was (and to some extent still is) an important hunting, plant gathering and ritual location for Jemez Pueblo. Eight non-Indian sites are also being investigated, along with numerous carvings on aspen trees. The carvings were left by shepherders who camped in the area ca. 1912-1953, while the 8 sites (primarily log cabins) are associated with logging activities in the 1930s and 1960s.

Frank Broilo and Mark Harlan of the Office of Contract Archeology were Principal Investigators of the Pittsburg and Midway Mining project, which was a program of research designed to mitigate the adverse impact of strip mining activities on more than 200 prehistoric and historic archaeological sites. Field work began in November of 1978 and was completed in June, 1979. Since that time, project efforts have focused on analyzing artifactual data and interpreting the results. The final report is now being prepared. David Eck was Field and Lab Supervisor, Christina Allen was Administrative Assistant, Linda Cordell was a Research Archaeologist, and Klara Kelley served as Senior Ethnographer.

The Pittsburg and Midway mining lease is located on approximately 20 sections just east of Window Rock, Arizona. The area is one which has been marginal for human subsistence activities throughout its occupational history. The research effort has, therefore, focused on achieving an understanding of the area's role as a buffer for populations from
surrounding areas. The effort has encompassed both the Anasazi and Navajo occupations and has relied very heavily on ethnographic research, both to document the Navajo occupation and to place local developments in a global context.

The Office of Contract Archeology also completed a Cultural Resources Overview of the Roswell BLM District. Christina Allen, Eileen Camilli and Dan Scurlock were authors, while Mark Wimberly and Peter Eidenbach of Human Systems Research Inc. provided an Appendix. The O.C.A., in conjunction with the Mimbres Foundation, has also completed a Cultural Resources Overview of the Las Cruces BLM District. Authors are Steven LeBlanc, Michael Whalen, Paul Minnis, Margaret Nelson, Patricia Gilman and Roger Anyon. The final report is now in press.

Finally, the Office of Contract Archeology has completed numerous small surveys and related projects throughout northwest New Mexico. Ongoing projects include preliminary excavations on Seboyeta Mesa north of Laguna, and salvage excavations at Bernalillo and La Joya. The Seboyeta excavations investigated a small PII-III period farmstead and a large Archaic site that was $^{14}$C dated at 2805±165 855 B.C. (UGA-3340). A contract involving the archaeological excavation of approximately 140 additional sites on Seboyeta Mesa, and ethnohistoric/ethnobotanical studies has been signed, with field work scheduled for 1981. The Bernalillo excavations involve a late prehistoric-historic Pueblo that was apparently one of the 12 Tiwa towns visited by Coronado. The La Joya excavations involve a small cave site on the Sevilleta Wildlife Refuge.

**New Directions**

Part I of this report describes the overall purpose of the O.C.A. While this emphasis has been maintained, certain new directions have been instituted by the author, who took over as Director on 8/1/79.
1. **Centralization of Records** - Because of the size and complexity of our projects and the nature of the research designs associated with them, and because of the sizes of our staff and data base, certain structural changes are now being made within the O.C.A. These essentially involve a centralization of archives and related records as well as of lines of authority and communication. All archives, maps, site records and photographic collections, for example, have been organized into a central collection, rather than in a series of project-by-project collections. Laboratory analyses, cartography, office management and similar staff areas will eventually be centrally organized as well.

2. **Out-of-State Projects** - The O.C.A. has traditionally worked within New Mexico. This emphasis will be continued, but work will also be sought in southwestern Colorado, southeastern Utah and northeastern Arizona, when relevant projects come up. For example, negotiations are now underway concerning an 18,000 acre survey in southwestern Colorado.

3. **Albuquerque Area Archaeology** - The main geographic area of interest to the O.C.A. has been northwestern New Mexico. Again, this will continue, but additional emphasis will be placed on Albuquerque-area research. This will give students more of an opportunity to participate, and serve community needs. In the past year three surveys have been completed in or near Albuquerque, one site has been monitored, one site is now being excavated in Bernalillo, and one site has been evaluated. Additionally, the Director is scheduled to teach a course on Cultural Resource Management in the Spring, 1981 semester that will emphasize local prehistory/history.

4. **Research Grants** - Another trend of the O.C.A. has been private industry/public agency contracts. While this will continue, the O.C.A. is also
interested in obtaining research grants. One small grant has recently been obtained from a private foundation to excavate the La Joya cave. Other grant proposals will be prepared for relevant projects.

Challenges

Several critical challenges confront the O.C.A. The main concern is the lack of graduate student thesis research. Although many graduate students work on O.C.A. projects, no Masters or PH.D. theses that are based on O.C.A. projects have been accepted in the 7 years that O.C.A. has been in operation. While one Ph.D. thesis based on the Cochiti Project was recently submitted, and a M.A. thesis is planned, it is obvious that there has been a serious lack of student research in O.C.A. projects. One reason for the "new directions" summarized above is to remedy this problem. Our interest in research grants and local archaeology, the course on Cultural Resource Management, and the centralization of records should attract students. However, the main solution will be to convince graduate students of the opportunity and need for independent research at O.C.A., both on a large project (e.g. mitigation) basis, and on inter-project syntheses.

Summary

With the exception of the graduate student challenge, the O.C.A. has had a successful year in terms of the number and variety of projects. The Cochiti mitigation contract has been completed, the Utah International Inc. and Pittsburgh-Midway Mitigation Projects are near completion, and the Baca Geothermal Mitigation Project field phase is near completion. Smaller excavations have occurred in Bernalillo, near La Joya, and on Seboyeta Mesa, and the large Seboyeta Mesa Mitigation Project contract has been signed. New directions include the centralization of files and expanded interest in Albuquerque area archaeology, out-of-state work, and research grants.
### SUMMARY OF O.C.A. ACTIVITIES
7/1/79 - 6/30/80

<table>
<thead>
<tr>
<th>Project</th>
<th>Sponsor</th>
<th>Brief Descriptions</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>185-43</td>
<td>Pioneer Nuclear Inc.</td>
<td>Survey of 1 Sec.</td>
<td>Completed</td>
</tr>
<tr>
<td>185-20U</td>
<td>Federal Highway Department</td>
<td>Survey of 6.2 Miles on Sandia Crest</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-2VV</td>
<td>Kerr-McGee Corporation</td>
<td>Survey of 4.1 miles</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-2WW</td>
<td>Union Geothermal Co.</td>
<td>Survey of 2 Acre Well Pad</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38b</td>
<td>Continental Oil Corp.</td>
<td>80 Acre Survey at Crownpoint</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38a</td>
<td>PNM Co.</td>
<td>Testing Near Tijeras Pueblo for 2 Power Poles</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33</td>
<td>PNM Co.</td>
<td>6 mile Survey near Pojoaque</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-46</td>
<td>Pathfinder Mining Co.</td>
<td>Survey of 1/4 Section</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-47</td>
<td>Arkansas/Louisiana Corp.</td>
<td>Survey of 18 Drill holes</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-45a</td>
<td>Western Nuclear Inc.</td>
<td>Survey of 1 Section</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38F</td>
<td>Utah International</td>
<td>Survey of 2,000' powerline</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38e</td>
<td>Santa Fe Mining Co.</td>
<td>Survey of 6 Drill Pads</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-61</td>
<td>Bernalillo County</td>
<td>Survey of 5 Acres</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33a</td>
<td>PNM</td>
<td>Preliminary Excavation of 2 sites</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-61a</td>
<td>Todilto</td>
<td>Survey of 160 Acres</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33H</td>
<td>PNM</td>
<td>Survey of 1.771 mile power line</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-50</td>
<td>Bellamah Corp.</td>
<td>Survey of 640 Acres</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-51</td>
<td>Pathfinder Mining Corp.</td>
<td>Survey of 640 Acres</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38I</td>
<td>Terra Oil Co.</td>
<td>Survey of 2 Drill Pads</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38H</td>
<td>Morris B. Jones</td>
<td>Survey of 1 Drill Pad</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33C</td>
<td>PNM</td>
<td>Survey of 200' long power line</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33F</td>
<td>PNM</td>
<td>Survey of 400' long power line</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33C</td>
<td>PNM</td>
<td>Survey of Sandia Crest line</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-25</td>
<td>Bureau of Land Management</td>
<td>Phase I Assessment of Roswell District</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-2XX</td>
<td>Robert White</td>
<td>Survey of Proposed Plant Site</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-49C</td>
<td>PNM</td>
<td>Preparation of Seboyeta Mitigation Plan</td>
<td>&quot;</td>
</tr>
<tr>
<td>101-127a/b</td>
<td>National Park Service</td>
<td>Archeological Mitigation at Cochiti Reservoir</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-59</td>
<td>City of Albuquerque</td>
<td>Evaluation of 1 site</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-31</td>
<td>Anaconda Co.</td>
<td>Survey of 3800 Acres on Laguna Reservation</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-61b</td>
<td>Amiran Co.</td>
<td>Survey of 160 Acres</td>
<td>Field work completed</td>
</tr>
</tbody>
</table>

A-16
<table>
<thead>
<tr>
<th>Project</th>
<th>Sponsor</th>
<th>Brief Descriptions</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>185-63</td>
<td>Pathfinder Mines</td>
<td>Survey of 2240 Acres</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-62</td>
<td>Continental Phone</td>
<td>Survey of 1/2 mile phone line</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-53</td>
<td>Pathfinder Mines</td>
<td>Survey of 640 Acres</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-38C</td>
<td>Cotter Corp.</td>
<td>Survey of 1 Drill Pad</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-58</td>
<td>Timberman Co.</td>
<td>Monitoring of 1 site</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-33I</td>
<td>PNM</td>
<td>Survey of 33 Acres</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-14A</td>
<td>Bureau of Land Management</td>
<td>Cultural Resource Inventory, Las Cruces District</td>
<td>Final Report being typed</td>
</tr>
<tr>
<td>185-44</td>
<td>Union Oil Geothermal</td>
<td>Archeological/Ethnographic Mitigation in Baca #1</td>
<td>Second field season in progress</td>
</tr>
<tr>
<td>185-21A</td>
<td>Utah International, Inc.</td>
<td>Archeological/Ethnographic Mitigation Near Farmington</td>
<td>Final report being edited</td>
</tr>
<tr>
<td>185-28A</td>
<td>Pittsburgh and Midway Co.</td>
<td>Archeological/Ethnographic Mitigation Near Gallup</td>
<td>Draft report in preparation</td>
</tr>
<tr>
<td>185-56</td>
<td>Continental Oil</td>
<td>Survey of 2040 Acres</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-49B</td>
<td>PNM</td>
<td>Archeological Mitigation of Seboyeta Mesa</td>
<td>Contract signed field work to begin in 1981</td>
</tr>
<tr>
<td>185-57A</td>
<td>Campbell Family Foundation</td>
<td>Excavation of 1 site</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-58A</td>
<td>Timberman Corp.</td>
<td>Excavation of 1 site</td>
<td>Field work in progress</td>
</tr>
<tr>
<td>185-48</td>
<td>United Nuclear</td>
<td>Excavation of 1 site</td>
<td>Proposal under review</td>
</tr>
<tr>
<td>185-52A</td>
<td>Kerr McGee Nuclear Corp.</td>
<td>Survey of 1400 Acres</td>
<td>Contract signed</td>
</tr>
<tr>
<td>185-60</td>
<td>Utah International, Inc.</td>
<td>Survey of 3 ponds</td>
<td>Proposal under review</td>
</tr>
<tr>
<td>185-64</td>
<td>ESCA-Tech</td>
<td>Survey of 18,000 Acres</td>
<td>Proposal under review</td>
</tr>
<tr>
<td>185-31</td>
<td>Anaconda Co.</td>
<td>Archeological Mitigation on Laguna Reservation</td>
<td>New proposal being prepared</td>
</tr>
</tbody>
</table>
B. Significant Plans and Recommendations for the Future

The budgeting of $11,000.00 for an unspecified "Visiting Professor" is an important experiment; the department has plans and tentative commitments for the next three years, and it is hoped that the administration will continue to make the honoring of these commitments possible. As the Dean and Provost have recognized, this is a good way to insure flexibility without long-term commitments; we recognize that continued funding will depend on wise allocation.

We have begun to outfit the new labs for physical anthropology (Rooms 142 and 142A) and archaeology (Annex Building) using funds from various sources for equipment and supplies. Some improvements in the safety and security of the Anthropology Annex have been made, but we still hope for a major remodelling in the near future. Preliminary programming was completed early in 1980 and is now being reviewed; this remains a very high priority for the effective development of archaeological research at UNM. The Mimbres Project will terminate this June, releasing additional space for faculty and graduate research and for the teaching labs (Anth 121L) designed to accompany our introductory archaeology course.

In the immediate future, I see three areas that need special attention by this department: the first is the submission of major research grant applications that can provide funding for equipment and for faculty and student salaries; the second is the encouragement of collegial interaction both within UNM (intra- and inter-departmental) and on a regional basis, perhaps by the sponsorship of meetings of regional
organizations here; the third is the need to equip our students with practical skills (e.g., research methods, interviewing, anthropometry, museum techniques, CRM, and grantsmanship) to a greater extent than we do at present. I will be happy to work with our chairman-elect on any or all of these areas.
C. Appointments to Staff

1) Faculty:
James S. Chisholm, Assistant Professor, effective August 18, 1980

2) Office Staff:
Alana Drew, Graduate Secretary, effective July 18, 1979
Emma Mickel, Staff Secretary, effective September 10, 1979
D. Separations from Staff

1) Faculty:

Evelyn A. Early, Visiting Assistant Professor, effective May 16, 1980
Louise A. Lamphere, Associate Professor, effective October 10, 1979
Steven A. LeBlanc, Research Associate Professor, effective June 30, 1980
Robert H. Lister, Professor, effective February 29, 1980
Bernard Spolsky, Professor, effective May 16, 1980
Peter L. Workman, Professor, effective May 16, 1980

2) Office Staff:

Diane Cotton, Staff Secretary, effective August 1, 1979
M. Terese Haymond, Graduate Secretary, effective June 29, 1979
II. COMPOSITE OF INFORMATION REQUESTED ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

1. Advanced Study

Alvarado, Anita L. Certificate. Stress, Relaxation & Biofeedback. University of New Mexico, Dept. of Psychiatry; Program. New Directions in Native American Art History. UNM, College of Art; 10 credits. Symposium. Death and Dying, Presbyterian Hosp. Program,

Bock, Philip K. Informal acting classes, Corrales Adobe Theatre

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

Bledsoe, Caroline On Leave Academic Year 1979-80.


Cordell, Linda S. April 7-12, attended San Juan Basin Conference at the School for American Research, Santa Fe; November 21-22, attended First Conference on Complexity in Prehistoric Hohokam Settlements, Tempe, Arizona.

Froehlich, Jeffery W. Two weeks field research in Veracruz, Mexico

Ortiz, Alfonso George A. Miller Distinguished Visiting Professor, University of Illinois, March; North American representative (1 of 2), Conference on Pre-Columbian Literature of the Americas, Instituto Indigenista Internacional, Mexico City, July; Fiftieth Anniversary Distinguished Lecturer, Department of Anthropology, University of Chicago, October

Rhine, J. Stanley Travel to American Academy of Forensic Sciences Meetings, Atlanta, GA, in February; Travel to American Association of Physical Anthropologists Meeting, San Francisco, in April.
Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc., during the period (cont'd)

Salvador, Mari Lyn

Travel: New York, Washington for one week. California, San Joaquin Valley, Bay area, for six weeks. Mexico, Michoacan, 1 week.

Schwerin, Karl H.


Straus, Lawrence Guy

Study tour of 70 Upper Paleolithic cave art localities in France & Spain; consultation with research collaborators in France & Spain; examined museum collections in France; organized and interpreted interviews for John Pfeiffer.

Weigle, Mary Martha (Marta)

Course in Folktales at Museum of New Mexico, Santa Fe – Educational Division – spring 1979

3. New scholastic honors, fellowships, etc.

Ortiz, Alfonso

George A. Miller Distinguished Visiting Professor, University of Illinois, March; North American representative (1 of 2), Conference on Pre-Columbian Literature of the Americas, Instituto Indigenista Internacional, Mexico City, July; Fiftieth Anniversary Distinguished Lecturer, Department of Anthropology, University of Chicago, October

Straus, Lawrence Guy

$3300 Research grant from National Geographic Society (declined by him) for Guipuzcoa Archeological Survey.

Weigle, Mary Martha

4. Publications

Barrett, Richard A.

Article: "Desarrollo Economico y las Clases Altas en una Ciudad Espanola"
Review: Wirth, John D., et. al., eds.,
Manchester and Sao Paulo: Problems of Rapid Urban Growth, in Sociology:
Reviews of New Books, Vol. 6, no. 4, May/June 1979. Review: Newby, Howard,

Binford, Lewis R.


Bock, Philip K.

Publications (cont'd)

Brody, J.J.  
Article - "Southwestern American Indian Pottery: A Living Tradition."  
Book Review - Song from the Earth: American Indian Paintings by Jamake Highwater.  

Campbell, John Martin  

Cordell, Linda S.  
Review of Prehistoric Locational Behavior: A Computer Simulation by Larry Zimmerman,  
Escaping the Confines of Normative Thought: A Reevaluation of Puebloan Prehistory,  
American Antiquity 44(3):405-429.  

Draper, Patricia  
"The Interaction of Behavior Variables in the Development of Dominance Relations,"  

Froehlich, Jeffery W.  
Publications (cont'd)

Gorbet, Larry P.  

Harpending, Henry  

Judge, W. James  

Ortiz, Alfonso  
### Publications (cont'd)

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rushforth, E. Scott</td>
<td>Two papers submitted for publication, fall 1979--neither accepted yet, still being reviewed.</td>
</tr>
</tbody>
</table>
Some book notes were written, and were reported on last year's "Supplement," these should have been published by now in the American Anthropologist.


Publications (cont'd)

Project: 1979, "Old World Archaeology Newsletter 3(3): 13-14. Cantabria and Vascongadas, 21,000-17,000 B.P.: Toward a Solutrean settlement pattern,
Munibe 32: (page numbers unknown);
"Mesolithic adaptations along the northern coast of Spain," Quaternaria 21: (page numbers unknown); Comment on "The Clactonian: An independent complex or an integral part of the Achulean" by M. Othel, Current Anthropology 20: (page numbers unknown); Also, translated articles for the Journal of Anthropological Research (French to English) and the Boletin del Instituto de Estudios Asturianos (French to Spanish) and Current Anthropology (Spanish to English).

Weigle, Mary Martha


5. Other research projects or creative work in progress or completed during period


3. Other research projects or creative work (cont'd)

<table>
<thead>
<tr>
<th>Name</th>
<th>Project/Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brody, J.J.</td>
<td>Organized the exhibition <em>Ethnographica</em> for the Maxwell Museum. In progress:</td>
</tr>
<tr>
<td></td>
<td>(with Dr. Linda Cordell) an exhibition on Tijeras Pueblo for the Maxwell Museum to</td>
</tr>
<tr>
<td></td>
<td>open in 1980; (with Dr. Robert Lister) major traveling exhibition to open in 1983</td>
</tr>
<tr>
<td></td>
<td>on the subject of the archaeology of Chaco Canyon, project supported by the NEH,</td>
</tr>
<tr>
<td></td>
<td>$10,000.</td>
</tr>
<tr>
<td>Campbell, John Martin</td>
<td>Archaeological research in Colfax County, NM, Summer, 1979.</td>
</tr>
<tr>
<td>Cordell, Linda S.</td>
<td>Research - survey in the Western Manzano Mountains (supported, in part, by the</td>
</tr>
<tr>
<td></td>
<td>Forest Service); Review of Ancient Native Americans for American Antiquity (in press).</td>
</tr>
<tr>
<td></td>
<td>The Wetherill Mesa Simulation, <em>A Retrospective View in Simulations of the Past</em></td>
</tr>
<tr>
<td></td>
<td>edited by J. Sabloff (in press); editor of <em>The Versatility of Kinship</em> (with Stephen</td>
</tr>
<tr>
<td>Draper, Patricia</td>
<td>&quot;Father Absence and Reproductive Strategies&quot; manuscript, co-authored with Henry Harpending</td>
</tr>
<tr>
<td></td>
<td>to be submitted to <em>Journal of Anthropological Research</em>.</td>
</tr>
<tr>
<td>Froehlich, Jeffery W.</td>
<td>Book review of <em>Dermatoglyphics, An International Perspective</em> for Am. Anthrop. In</td>
</tr>
<tr>
<td></td>
<td>press: <em>The Demographic Structure of Barro Colorado Island Howling Monkeys</em> in prep;</td>
</tr>
<tr>
<td></td>
<td>Discovery and anatomical analysis of the earliest known Leptictid (Insectivora)</td>
</tr>
<tr>
<td></td>
<td>skeleton (in progress).</td>
</tr>
<tr>
<td>Gorbet, Larry P.</td>
<td>Additional research in discourse analysis and pragmatics, syntax, and morphology of</td>
</tr>
<tr>
<td></td>
<td>conjunction; Subgrammatical semantic and pragmatic variation in English; Further</td>
</tr>
<tr>
<td></td>
<td>work on linguistic diffusion in the Southwest; Athapaskan (especially Bear Lake)</td>
</tr>
<tr>
<td></td>
<td>relative clauses; Applications of small computers to linguistic field research;</td>
</tr>
<tr>
<td></td>
<td>Interfaces between language and non-language communication modes.</td>
</tr>
<tr>
<td>Judge, W. James</td>
<td>Continued intensive analysis and report preparation on results of data recovered and</td>
</tr>
<tr>
<td></td>
<td>information gathered by the Chaco Project. Continue as Editor of &quot;Reports of the Chaco</td>
</tr>
<tr>
<td></td>
<td>Center.&quot; Participant: School of American</td>
</tr>
</tbody>
</table>
5. **Other research projects or creative work (cont'd)**

Rhine, J. Stanley

Research Seminar on Cultural Resource Management in the San Juan Basin. Coordinator: NPS legislative effort to protect Chacoan Outlying sites; Computerized Data Base Management for Cultural Resources.

Continuing research in facial tissue depths and forensic facial reproductions; continuing research in computer enhancement of human site mark photographs, with H.R. Campbell, DDS; completed paleopathological survey with W.L. Minear, MD; began survey of paleopathologies of Mimbres skeletal population with W. Minear, MD.

Rushforth, E. Scott


Sabloff, Jeremy A.


Salvador, Mari Lyn

California field work - Portuguese American ritual - Research Allocations, UNM; Mexico, Michoacan - preliminary field work for Michoacan Project, Latin Am. Inst., NEH Grant to support planning phase of an exhibition of ceremonial art from Michoacan.

Santley, Robert S.

Archaeological research on the South Gulf Coast of Mexico, funded by a Summer Research Stipend from the College of Arts and Sciences and a grant from the Research Allocations Committee.
Other research projects or creative work (cont'd)

Schwerin, Karl H.
Eine neue Varietat der Mammillaria heyderi aus New Mexico. *Arbeitskreises für Mammillarienfreunde* IV/79:113-116, Münster; completed paper on changing patterns of Incest among the Karinya (in press); continued work on Carib slaving during the Colonial period; continued work on book on The Cacti of New Mexico.

Sebring, James M.
Unpublished monograph (no publishers contacted yet): *Tea and Antipathy: A Study of Hierarchy and Homology in a Caste System of North India* (local research previously reported on this form suspended while this monograph was being polished).

Spuhler, J.N.
Continued work on an introductory text in biological anthropology; continued work on the historical biology of North American Indians.

Straus, Lawrence Guy
Measurement of red deer and ibex tooth crown heights from La Riera Cave site collections in Oviedo, Spain; Direction of Concluding excavations in La Riera Cave (N.S.F. Grant BNS76-08382—c. $70,000—until October 1981); Analysis and publication of La Riera results; Photographic recording of cave art (funded in part by UNM Research Allocations Comm. and Board of Archeologists); In press: "The role of raw materials in lithic assemblage variability," *Lithic Technology* 9(2); "Paleoecology at La Riera (Asturias, Spain)", *Quaternary Research* (with members of the L.R.P.P. scientific team) (42 ms pages, 13 tables, 9 figures); "Spanish Cuisine of the Stone Age" (tentative title), article commissioned (and written) for the *Scientific American*; "Bases teoricas y algunos resultados iniciales del Proyecto Paleoenologico de la Riera", *Trabajos de Prehistoria* 37: (with G. Clark); "La collection Magnant: un temoin de la prehistoire charantaise", *Bulletin de la Societe archeologique et historique de la Charente*. 
5. Other research projects or creative work in progress (cont'd)

Weigle, Mary Martha


Workman, Peter L.

Grant-Sigrid Juselius Foundation; 4 Ph.D.'s, 1 M.A. guided to completion; several papers in press or in preparation.

6. Activities in learned and professional societies

Alvarado, Anita L.

Lecture: "Holy Week among the Opata Indians", College of Art, UNM; Lecture: "Holy Week in Spain", College of Art, UNM.

Binford, Lewis R.

Organized and presented a full day's symposia at the national meetings of the Society for American Archaeology; Read a research paper at national meeting of Historic Sites Archaeologists.

Brody, J.J.

Discussant at meetings of Society for American Archaeologists, April, Vancouver, B.C.; An organizer of the Symposium: New Directions in Native American Art held at UNM in October.


Gorbet, Larry P. Paper read at annual meeting of Berkeley Linguistics Society; Attended meeting of Southwest Area Language and Linguistics Organization, Tempe, Arizona; Paper given at annual meeting Linguistics Society of America.

Harpending, Henry Workshop on mathematical biology, U. of Alberta.

Judge, W. James Elected Treasurer, Society for American Archaeology; Chairman, SAA Distinguished Service Award Comm. Member, SAA Nominating Committee; Meetings attended: SAA, AAA; Paper presented at SAA: "Minimal Impact Archeology; A Plea for a Formalized Ethic."

Ortiz, Alfonso Paper read at International Congress of Americanists meetings, Vancouver, British Columbia, August: "Masks and Masking in the Pueblo Southwest"; Organizer and chairman, Newberry Library Conference on Tribal Sovereignty, May; Chairman, National Advisory Council, Center for the History of the American Indian, Newberry Library.

6. Activities in learned and professional societies (cont'd)

Sabloff, Jeremy A. Officer of the Society for American Archaeology and member of its Executive Committee; attended the annual meetings of the Society for American Archaeology (Vancouver) and the American Anthropological Association (Cincinnati).

Salvador, Marí Lyn Publications management Symposium New York; Directions in Native American Art History, UNM.

Santley, Robert S. Obsidian Production and Exchange within a Late Formative Community in the Basin of Mexico, paper presented at semiannual meetings of the Sociedad de Antropologia, Saltillo, Mexico; Tolltec Period Settlement Patterns in the Basin of Mexico, paper presented at the Symposium on Tula, Pachuca, Mexico, February; Obsidian Production and Exchange within a Late Formative Community in the Basin of Mexico; paper presented at the semiannual meetings of the Sociedad de Antropologia, Saltillo, Mexico, September; Archaeology in the Basin of Mexico: an assessment of the current state of the art, paper presented at the First Semi-Annual Conference of the New Mexico Consortium for Latin American Studies, Las Cruces, New Mexico, November; A Preliminary Investigation of Teotihuacan Influence in the Tuxtla Region of Veracruz, report submitted to the College of Arts and Sciences of the University of New Mexico, Albuquerque, October.

Schwerin, Karl H. Secretary, UNM Chapter, Sigma XI; attended annual meeting of the American Anthropological Assn., Cincinnati, OH, 27 Nov-1 Dec, 1979.

Spuhler, J.N. Sigma Xi lecture, "Theoretical advances in behavioral genetics," Colorado State University, 19 April 1979; 48th annual meeting of the American Association of Physical Anthropologists, 5-7 April 1979 (past President), San Francisco, California.

Activities in learned and professional societies (cont'd)

Weigle, Mary Martha
Editor, Publications of the American Folklore Society, New Series; Editor, Folklore Women's Communication; "Women and/in Mythology: Problems, Perspectives & Pedagogy," paper delivered at the Annual Meeting of the American Folklore Society, Los Angeles, October 25, 1979; President, New Mexico Folklore Society, 1979-80.

Workman, Peter L.

7. Other professional activities

Alvarado, Anita L.
National Science Foundation, Grant Reviews; National Endowment for the Humanities, Grant Review: Review articles for journals: Ethnohistory and Human Organization. Citation of article, La Red (article appeared in Bauwens, ed. Anthropology of Health, 1978. Use of same by Andrus Gerontology Center, Univ. of Southern California.

Barrett, Richard A.
Guest speaker, Dr. Bock's Introductory Anthropology course for College of St. Francis; Speaker for College Enrichment Program, UNM, June 14, June 28, July 19, 1979.

Binford, Lewis R.
Presented first Science Lecture in New Albuquerque Museum; Invited lectures given: University of Nebraska, Lincoln, Ohio University, Athens, Ohio; Washington University, St. Louis.

Bock, Philip
Performed in Children's Theatre (Breadline Players), Summer 1979; Guest appearance with Dave Silverman jazz quintet, November 1979; Rehearsing for Vortex Theatre production of "Barefoot in the Park."

Brody, J.J.
Consultant for Acoma Pueblo on a new museum; Consultant for the Dept. of Anthropology, California Academy of Science; About six off-campus talks.

Campbell, John Martin
7. Other professional activities (cont'd)

Draper, Patricia

Froehlich, Jeffery W.

Harpending, Henry
Lecturer--University of Kansas distinguished lecturer series.

Judge, W. James
Executive Committee, New Mexico Archaeological Society; Board of Governors, San Juan County Museum Assoc.; Participant: Harper's Ferry Conf. on Cult. Resource Management; Instructor: NPS course, CRM for Park Managers; Invited Lecturer: Nat'l Trust for Historic Preservation (Santa Fe), American Institute for Archeology (Boston); Approx. 15 other, off-campus talks given.

Ortiz, Alfonso

Rhine, J. Stanley
Participation in and arrangements for Mass Disaster exercise, annual "Medicolegal Investigation of Death," UNM Medical School, August, 1979; Consulted by Buffalo, New York, District Attorney for exhumation and analysis of a human body in a well; Consulted by Pitkin County (Colorado) Sheriff's Office for facial reproduction on unknown human body.

Sebring, James M.
Considerable time expended on essential completion of my portion of work on Maxwell Museum exhibit of materials from India illustrating caste; editorial review reading of prospective papers for American Ethnologist.
7. Other professional activities (cont'd)

Spuhler, J.N.  
Editorial Board, American Naturalist, published by the American Society of Naturalists.

Straus, Lawrence Guy  
Lecture in Spanish on the Prehistory of Spain for a Spanish Dept. course on the Civilization of Spain; Lecture on Upper Paleolithic Cave Art to Anthro. Dept.; reviewer for W.H. Freeman & Co., publishers; reviewer for National Science Foundation Anthro. Program (Fellowships).

Weigle, Mary Martha  

8. Non-teaching University service

Alvarado, Anita L.  
Arts & Sciences Human Subjects Committee; Provost's Ad Hoc Committee on Minority Concerns: United Fund; Provost's Committee on Gerontology Development; Dean's Search Committee.

Binford, Lewis R.  
Chairman, Social Science Promotion committee; Member, Arts & Sciences Tenure Committee.

Bock, Philip K.  
Continued as Chairman of Anthro. Dept.; Faculty Member, ASUNM Speaker's Committee--resigned October 1979.

Brody, J.J.  
Member, Committee on the Art Museum; Member, Committee on Gifts and Donations, UNM, Member, Maxwell Museum Assoc. board members.

Campbell, John Martin  
Member: Academic Freedom and Tenure Committee UNM; Chairman: Board of Archaeologists, UNM, January 1979-June 1979; Acting Director, Office of Contract Archaeology: June 1979.
### 8. Non-teaching University Service

<table>
<thead>
<tr>
<th>Name</th>
<th>Service Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cordell, Linda S.</td>
<td>Member of the UNM Faculty Senate; Chairman of the Board of Archaeologists Sept. 1979 to present.</td>
</tr>
<tr>
<td>Froehlich, Jeffery W.</td>
<td>Coordinated Harvey Lecture Series for Anthrop. Dept.</td>
</tr>
<tr>
<td>Gorbet, Larry P.</td>
<td>Faculty Senate; Faculty-Staff Welfare and Benefits Committee; Arts and Sciences Graduate Committee; Head, Anthropology Graduate Committee; Linguistics M.A. Examination Committee; 1980 Linguistics Society of America Summer Institute Planning Committee; Educational Linguistics Doctoral Program Committee.</td>
</tr>
<tr>
<td>Harpending, Henry</td>
<td>A&amp;S Human Subjects.</td>
</tr>
<tr>
<td>Judge, W. James</td>
<td>Committee Chairman for 2 doctoral candidates; sponsor for 4 masters candidates.</td>
</tr>
<tr>
<td>Ortiz, Alfonso</td>
<td>Chairman, Native American Studies Advisory Committee; Chair, Faculty Search Committee, Department of Anthropology; Member, Committee on Religious Studies; member of 9 graduate committees, dissertation supervisor of 1; President, Association on American Indian Affairs; Member, National Commission on Higher Education for Minorities; Member, American Indian Art and Culture Review Panel, United States Department of the Interior.</td>
</tr>
<tr>
<td>Rhine, J. Stanley</td>
<td>Continued as Associate Curator of Physical Anthropology, Maxwell Museum of Anthropology; Continued as Forensic Anthropologist for State of New Mexico, Office of the Medical Investigator; Continued in joint appointment by Department of Pathology, UNM Medical School; Dept. of Anthropology, appointed as member of Graduate Committee.</td>
</tr>
<tr>
<td>Rushforth, E. Scott</td>
<td>Member, Undergraduate Committee, Department of Anthropology.</td>
</tr>
<tr>
<td>Sabloff, Jeremy A.</td>
<td>Member, Maxwell Museum Association Board of Directors; Member, University Library Committee.</td>
</tr>
<tr>
<td>Name</td>
<td>Non-teaching University service</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Salvador, Mari Lyn</td>
<td>UNM Press Committee; Latin American Concilium; Latin Am. Prog. Planning; Ethnology sub-committee, Anthropology; Film Committee, Anthropology; New Mexico Arts Commission, Crafts Panel.</td>
</tr>
<tr>
<td>Santley, Robert S.</td>
<td>Member, graduate studies committee of the Department of Anthropology; Graduate advisor in archaeology of the Department of Anthropology.</td>
</tr>
<tr>
<td>Schwerin, Karl H.</td>
<td>Member, Departmental Graduate committee; advisor to 5 students in the Ph.D. program.</td>
</tr>
<tr>
<td>Sebring, James M.</td>
<td>Member, Undergraduate Academic Affairs Committee; Member, Committee on Asian Studies; Member, Ph.D. Committee of student in American Studies Dept.; Advisor for E. Dressel, graduate, Anthropology Department.</td>
</tr>
<tr>
<td>Spuhler, J.N.</td>
<td>Chairman, University Press Committee; member, Library Committee; Editor, Journal of Anthropological Research.</td>
</tr>
<tr>
<td>Straus, Lawrence Guy</td>
<td>Member, Faculty Senate; Research Policy Committee; Library Committee (1979); Anthro. Dept. Library Liaison; Fulbright-Hays Fellowship Selection Comm.; Board of Archaeologists; Office of Contract Archaeology Directorship Search Committee; Chairman of 2 M.A. committees and member of numerous M.A. and Ph.D. committees; French and Spanish language examiner for archaeology.</td>
</tr>
<tr>
<td>Workman, Peter L.</td>
<td>Advisor, Jewish Student Union.</td>
</tr>
</tbody>
</table>

9. Public service

<table>
<thead>
<tr>
<th>Name</th>
<th>Public service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alvarado, Anita L.</td>
<td>Treasurer, Board Member, Central N.M. German Shepherd Dog Club; Chairman, Fall Show, Central NM German Shepherd Dog Club; Vice President, Basset Hound Club of Greater Albuquerque; Publication: &quot;New Use for Your Microwave: Drying Herbs in Minutes,&quot; Organic Growers of New Mexico, August.</td>
</tr>
<tr>
<td>Bock, Philip K.</td>
<td>Board Member, Experiment in Jewish Learning (Lecture Series).</td>
</tr>
</tbody>
</table>
9. **Public service (cont'd)**

   Brody, J.J.                  Member, New Mexico Cactus and Succulent Society.


   Salvador, Mari Lyn          Research person, Manzano Day School.

   Weigle, Mary Martha         Board of Directors, Santa Fe Historical Society.

   Workman, Peter L.           Board member, Akiba Day School, Jewish Comm. Council; Chairman, Youth Committee, Rio Rancho Jewish Center.

10. **Personal information**

    Judge, W. James

    Continued as Chief, Division of Cultural Research (Chaco Project, NPS/UNM). Retains a part-time faculty position in the Anthropology Department.

    Schwerin, Karl H.

    Married, 25 January 1979 - acquired three stepchildren.
Summary of Office of Contract Archeology
Activities, 7/1/79 - 6/30/80

by
Joseph C. Winter, Director

I. Introduction

Since its establishment in 1973, the Office of Contract Archeology has provided a variety of professional cultural resource management services to public agencies and private concerns throughout New Mexico. These services include archeological surveys and archival research for environmental impact statements; cultural overviews for long range land planning; and archeological excavations and ethnohistoric/ethnographic studies to mitigate the effects of development projects. All of these projects are carried out within a research framework and ultimately result in the preparation of monographs and reports that describe and interpret the cultural resources under investigation. Current projects are listed on the attached Table.

The O.C.A. has grown enormously over the past 6 years, from what was essentially a one person, one project organization to an office which periodically employs up to 12 permanent staff, approximately 30 occasional staff and 6 - 7 work study students. The office is now involved in four large mitigation projects, while one other is about to start up. Dozens of smaller survey and mitigation projects are in varying states of completion.

The following sections describe the accomplishments, goals and challenges of the O.C.A.

II. Review of Activities

During the past year the O.C.A. completed 29 projects and is currently involved in 16 projects. Major efforts are described below.

Field work for the Utah International Inc. Mitigation Project in the CGP survey area along the lower Chaco River near Farmington, New Mexico was completed in 1979 by the Office of Contract Archeology. The final report is now being edited. Frank Broilo and Joseph Winter were Principal Investigators, with James Moore the Field Director and Fred York the Project Ethnographer. The main research theme was the investigation of human adaptations in a marginal environment, and the relations of the local groups with regional populations,
such as in Chaco Canyon. Four Archaic, 1 Anasazi and 3 Navajo sites were excavated. The Archaic sites appear to have been small microband campsites that were infrequently used by transient foragers. One site was C14 dated at 2395±50:445 B.C. (UGA-2893) and 2825±70:875 B.C. (UGA-2894). The Anasazi site was a small PII period special use site with Chuskan and Mesa Verdean ceramics. It was apparently used for plant processing, storage and tool manufacture. The 3 Navajo sites were residences of sheep herders which dated from the early to mid 1900s. Interviews with former inhabitants and their descendents enabled the development of biographical histories of the sites.

The study of high altitude human adaptations is the focus of the Office of Contract Archeology's Baca Geothermal Mitigation project along the headwaters of Redondo Creek in the Jemez Mountains. Twenty-nine sites that range in elevation from 8400' (2545 m) to 9900' (3000 m) are being investigated by a combined archeological/ethnographic/ethnohistoric program to mitigate the effects of geothermal development. Funding is being provided by the Union Geothermal Company of New Mexico. Joseph Winter is Principal Investigator, and Craig Baker is Project Director, while Dan Scurlock is the Project Ethnohistorian and Lois Weslowski is the Project Ethnographer. Twenty-one of the sites are obsidian artifact scatters that were used as camps for hunters, plant gatherers and tool manufacturers. Since Redondo Creek is the main access route into the obsidian-rich Valle Grande, certain of the sites are major camps and tool workshops. C14 and obsidian hydration samples suggest that the sites were used from approximately 3000 B.C. well into historic times. The ethnographic research indicates that the study area was (and to some extent still is) an important hunting, plant gathering and ritual location for Jemez Pueblo. Eight non-Indian sites are also being investigated, along with numerous carvings on aspen trees. The carvings were left by shepherders who camped in the area ca. 1912-1953, while the 8 sites (primarily log cabins) are associated with logging activities in the 1930s and 1960s.

Frank Broilo and Mark Harlan of the Office of Contract Archeology were Principal Investigators of the Pittsburg and Midway Mining project, which was a program of research designed to mitigate the adverse impact of strip mining activities on more than 200 prehistoric and historic archeological sites. Field work began in November of 1978 and was completed in June, 1979. Since that time,
project efforts have focused on analyzing artifactual data and interpreting the results. The final report is now being prepared. David Eck was Field and Lab Supervisor, Christina Allen was Administrative Assistant, Linda Cordell was a Research Archeologist, and Klara Kelley served as Senior Ethnographer.

The Pittsburg and Midway mining lease is located on approximately 20 sections just east of Window Rock, Arizona. The area is one which has been marginal for human subsistence activities throughout its occupational history. The research effort has, therefore, focused on achieving an understanding of the area's role as a buffer for populations from surrounding areas. The effort has encompassed both the Anasazi and Navajo occupations and has relied very heavily on ethnographic research, both to document the Navajo occupation and to place local developments in a global context.

The Office of Contract Archeology also completed a Cultural Resources Overview of the Roswell BLM District. Christina Allen, Eileen Camilli and Dan Scurlock were authors, while Mark Wimberly and Peter Eidenbach of Human Systems Research Inc. provided an Appendix. The O.C.A., in conjunction with the Mimbres Foundation, has also completed a Cultural Resources Overview of the Las Cruces BLM District. Authors are Steven Le Blanc, Michael Whalen, Paul Minnis, Margaret Nelson, Patricia Gilman and Roger Anyon. The final report is now in press.

Finally, the Office of Contract Archeology has completed numerous small surveys and related projects throughout northwest New Mexico. Ongoing projects include preliminary excavations on Seboyeta Mesa north of Laguna, and salvage excavations at Bernalillo and La Joya. The Seboyeta excavations investigated a small PII-III period farmstead and a large Archaic site that was C14-dated at 2805±165:855 B.C. (UGA-3340). A contract involving the archeological excavation of approximately 140 additional sites on Seboyeta Mesa, and ethnohistoric/ethnobotanical studies has been signed, with field work scheduled for 1981. The Bernalillo excavations involve a late prehistoric-historic Pueblo that was apparently one of the 12 Tiwa towns visited by Coronado. The La Joya excavations involve a small cave site on the Sevietta Wildlife Refuge.
III. New Directions

Part I of this report describes the overall purpose of the O.C.A. While this emphasis has been maintained, certain new directions have been instituted by the author, who took over as Director on 8/1/79.

1. Centralization of Records - Because of the size and complexity of our projects and the nature of the research designs associated with them, and because of the sizes of our staff and data base, certain structural changes are now being made within the O.C.A. These essentially involve a centralization of archives and related records as well as of lines of authority and communication. All archives, maps, site records and photographic collections, for example, have been organized into a central collection, rather than in a series of project-by-project collections. Laboratory analyses, cartography, office management and similar staff areas will eventually be centrally organized as well.

2. Out-of-State Projects - The O.C.A. has traditionally worked within New Mexico. This emphasis will be continued, but work will also be sought in southwestern Colorado, southeastern Utah and northeastern Arizona, when relevant projects come up. For example, negotiations are now underway concerning an 18000 acre survey in southwestern Colorado.

3. Albuquerque Area Archeology - The main geographic area of interest to the O.C.A. has been northwestern New Mexico. Again, this will continue, but additional emphasis will be placed on Albuquerque-area research. This will give students more of an opportunity to participate, and serve community needs. In the past year three surveys have been completed in or near Albuquerque, one site has been monitored, one site is now being excavated in Bernalillo, and one site has been evaluated. Additionally, the Director is scheduled to teach a course on Cultural Resource Management in the Spring, 1981 semester that will emphasize local prehistory/history.

4. Research Grants - Another trend of the O.C.A. has been private industry/public agency contracts. While this will continue, the O.C.A. is also interested in obtaining research grants. One small grant has recently been obtained from a private foundation to excavate the La Joya cave. Other grant proposals will be prepared for relevant projects.
IV. Challenges

Several critical challenges confront the O.C.A. The main one concerns the lack of graduate student thesis research. Although many graduate students work on O.C.A. projects, no Masters or Ph.D. theses that are based on O.C.A. projects have been accepted in the 7 years that O.C.A. has been in operation. While one Ph.D. thesis based on the Cochiti Project was recently submitted, and a M.A. thesis is planned, it is obvious that there has been a serious lack of student research in O.C.A. projects. One reason for the "new directions" summarized above is to remedy this problem. Our interest in research grants and local archeology, the course on Cultural Resource Management, and the centralization of records should attract students. However, the main solution will be to convince graduate students of the opportunity and need for independent research at O.C.A., both on a large project (e.g. mitigation) basis, and on inter-project syntheses.

V. Summary

With the exception of the serious graduate student challenge, the O.C.A. has had a successful year in terms of the number and variety of projects. The Cochiti mitigation contract has been completed, the Utah International Inc. and Pittsburgh-Midway Mitigation Projects are near completion, and the Baca Geothermal Mitigation Project field phase is near completion. Smaller excavations have occurred in Bernalillo, near La Joya, and on Seboyeta Mesa, and the large Seboyeta Mesa Mitigation Project contract has been signed. New directions include the centralization of files and expanded interest in Albuquerque area archeology, out-of-state work, and research grants.
### Summary of O.C.A. Activities

#### 7/1/79 - 6/30/80

<table>
<thead>
<tr>
<th>Project</th>
<th>Sponsor</th>
<th>Brief Descriptions</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>185-43</td>
<td>Pioneer Nuclear Inc.</td>
<td>Survey of 1 Sec.</td>
<td>Completed</td>
</tr>
<tr>
<td>185-2UU</td>
<td>Federal Highway Department</td>
<td>Survey of 6.2 Miles on Sandia Crest</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-2VV</td>
<td>Kerr-McGee Corporation</td>
<td>Survey of 4.1 miles</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-2WW</td>
<td>Union Geothermal Co.</td>
<td>Survey of 2 Acre Well Pad</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38b</td>
<td>Continental Oil Corp.</td>
<td>80 Acre Survey at Crownpoint</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38a</td>
<td>PNM Co.</td>
<td>Testing Near Tijeras Pueblo for 2 Power Poles</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33</td>
<td>PNM Co.</td>
<td>6 mile Survey Near Pojoaque</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-46</td>
<td>Pathfinder Mining Co.</td>
<td>Survey of ¼ Section</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-47</td>
<td>Arkansas/Louisiana Corp.</td>
<td>Survey of 18 Drill holes</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-45a</td>
<td>Western Nuclear Inc.</td>
<td>Survey of 1 Section</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38F</td>
<td>Utah International</td>
<td>Survey of 2,000' powerline</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38e</td>
<td>Santa Fe Mining Co.</td>
<td>Survey of 6 Drill Pads</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-61</td>
<td>Bernalillo County</td>
<td>Survey of 5 Acres</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33a</td>
<td>PNM</td>
<td>Preliminary Excavation of 2 sites</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-61a</td>
<td>Todilto</td>
<td>Survey of 160 Acres</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33H</td>
<td>PNM</td>
<td>Survey of 1.771 mile power line</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-50</td>
<td>Bellamah Corp.</td>
<td>Survey of 640 Acres</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-51</td>
<td>Pathfinder Mining Corp.</td>
<td>Survey of 640 Acres</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38I</td>
<td>Terra Oil Co.</td>
<td>Survey of 2 Drill Pads</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-38H</td>
<td>Morris B. Jones</td>
<td>Survey of 1 Drill Pad</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33G</td>
<td>PNM</td>
<td>Survey of 200' long power line</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33F</td>
<td>PNM</td>
<td>Survey of 400' long power line</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-33C</td>
<td>PNM</td>
<td>Survey of Sandia Crest line</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-25</td>
<td>Bureau of Land Management</td>
<td>Phase I Assessment of Roswell District</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-2XX</td>
<td>Robert White</td>
<td>Survey of Proposed Plant Site</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-49C</td>
<td>PNM</td>
<td>Preparation of Seboyeta Mitigation Plan</td>
<td>&quot;</td>
</tr>
<tr>
<td>101-127a/b</td>
<td>National Park Service</td>
<td>Archeological Mitigation at Cochiti Reservoir</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-59</td>
<td>City of Albuquerque</td>
<td>Evaluation of 1 site</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-31</td>
<td>Anaconda Co.</td>
<td>Survey of 3800 Acres on Laguna Reservation</td>
<td>&quot;</td>
</tr>
<tr>
<td>185-61b</td>
<td>Amiran Co.</td>
<td>Survey of 160 Acres</td>
<td>Field work completed</td>
</tr>
<tr>
<td>Project</td>
<td>Sponsor</td>
<td>Brief Descriptions</td>
<td>Status</td>
</tr>
<tr>
<td>---------</td>
<td>------------------------------</td>
<td>---------------------------------------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>185-63</td>
<td>Pathfinder Mines</td>
<td>Survey of 2240 Acres</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-62</td>
<td>Continental Phone</td>
<td>Survey of ½ mile phone line</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-53</td>
<td>Pathfinder Mines</td>
<td>Survey of 640 Acres</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-38C</td>
<td>Cotter Corp.</td>
<td>Survey of 1 Drill Pad</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-58</td>
<td>Timberman Co.</td>
<td>Monitoring of 1 site</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-33I</td>
<td>PNM</td>
<td>Survey of 33 Acres</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-14a</td>
<td>Bureau of Land Management</td>
<td>Cultural Resource Inventory, Las Cruces District</td>
<td>Final Report being typed</td>
</tr>
<tr>
<td>185-44</td>
<td>Union Oil Geothermal</td>
<td>Archeological/Ethnographic Mitigation in Baca #1</td>
<td>Second field season in progress</td>
</tr>
<tr>
<td>185-21a</td>
<td>Utah International, Inc.</td>
<td>Archeological/Ethnographic Mitigation near Farmington</td>
<td>Final report being edited</td>
</tr>
<tr>
<td>185-28A</td>
<td>Pittsburgh and Midway Co.</td>
<td>Archeological/Ethnographic Mitigation near Gallup</td>
<td>Draft report in preparation</td>
</tr>
<tr>
<td>185-56</td>
<td>Continental Oil</td>
<td>Survey of 2040 Acres</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-49b</td>
<td>PNM</td>
<td>Archeological Mitigation of Seboyeta Mesa</td>
<td>Contract signed, field work to begin in '81</td>
</tr>
<tr>
<td>185-57a</td>
<td>Campbell Family Foundation</td>
<td>Excavation of 1 site</td>
<td>Field work completed</td>
</tr>
<tr>
<td>185-58a</td>
<td>Timberman Corp.</td>
<td>Excavation of 1 site</td>
<td>Field work in progress</td>
</tr>
<tr>
<td>185-48</td>
<td>United Nuclear</td>
<td>Excavation of 1 site</td>
<td>Proposal under review</td>
</tr>
<tr>
<td>185-52a</td>
<td>Kerr McGee Nuclear Corp.</td>
<td>Survey of 1400 Acres</td>
<td>Contract signed</td>
</tr>
<tr>
<td>185-60</td>
<td>Utah International, Inc.</td>
<td>Survey of 3 ponds</td>
<td>Proposal under review</td>
</tr>
<tr>
<td>185-64</td>
<td>ESCA-Tech</td>
<td>Survey of 18,000 Acres</td>
<td>Proposal under review</td>
</tr>
<tr>
<td>185-31</td>
<td>Anaconda Co.</td>
<td>Archeological Mitigation on Laguna Reservation</td>
<td>New proposal being prepared</td>
</tr>
</tbody>
</table>
The Report of the Maxwell Museum of Anthropology

July 1, 1979 - June 30, 1980

J. J. Brody, Director

I. Significant Developments During the Academic Year, 1979-80.

1979-80 saw the application and refinement of new and revised procedures that were created in response to the development of a Charter and reassessment of goals and priorities. Perhaps the most important of these procedures related to working with guest curators, an essential technique if the museum is to successfully achieve its goal of closer integration with Department of Anthropology faculty. Currently, the museum staff is developing exhibitions based on the field work of anthropologists Lewis Binford, Linda Cordell, Robert Lister, and Mari Lyn Salvador, of UNM, and Joyce Bishop of University of Tennessee.

An Institute of Museum Services grant (see below) made it possible to eliminate the backlog that had inhibited use of our computer based information retrieval system for our collections. A terminal was installed at the museum to make future updating simpler, more efficient, and less expensive and the museum regained its ability to manage collections with speed and efficiency.

Other significant developments directly responsive to the Museum Charter included the reassignment of Molly Madden to duties related to adult education program development and creation by Mari Lyn Salvador of a master plan for installation of quick-changing exhibitions that relate to University course work and of more permanent exhibitions directly related to introductory courses in anthropology. A two day in-house seminar on evaluation procedures held in late May, 1980, under the
collections management, research, publications, and the intent to
more fully integrate museum activities with the teaching and research
of the Department of Anthropology were reconfirmed.

In other respects 1978-79 was a "normal" year that saw the installation
of three complex exhibitions. One of these, on Kuna women's art, was
organized by Chief Curator Mari Lyn Salvador. In conjunction with this
exhibition the museum published a book by Dr. Salvador called Yer Dailege!
Kuna Women's Art. The second temporary exhibition, Ethnographica, was
organized by Director J. J. Brody with a great deal of help from stu-
dents taking museum practices courses. A third complex installation,
on pre-historic ornaments of the Southwest was organized by Dr. Brody
based on a script developed by Dr. Wesley Jernigan of the University of
Arizona who served as Guest Curator.

One other publication, Anasazi Pottery by Florence and Robert Lister
was published co-jointly by the Museum and UNM Press. Several major
research projects were begun during this period, among them one by
Dr. Caroline Olin of Santa Fe on a collection of unpublished Navajo
sandpaintings done during the 1920s and 1930s by Franc Johnson
Newcomb.

Overcrowding of warehouse collection storage areas worsened during this
year and the management of collections was severely hampered by the
backlog which had begun the year before of collection's information
updates that could not be keypunched because of personnel shortages.
The size of the backlog ultimately made the entire computer-related
information system unmanageable and a moratorium was imposed on all
additional cataloging while all collection's management energy went
toward correcting the problem. Acquisition of about 3,000 new items
into the collections during the year contributed to the problem. On a
more positive note photographing of the collection proceeded in a slow
but orderly manner.

II. Plans for the Future.

Plans for the future are discussed under the category of significant
developments in the 1979-80 annual report.

III. Appointments to the Staff.

Ada Plotner, Staff Secretary 9/11/78
Natalie Pattison, Assistant Registrar 2/1/78
Vincent Bendix, Preparator 8/23/78
Mary Jo Perrizo, Staff Secretary 12/18/78
Sally Nusbaum, Gift Shop Manager 8/21/78
Maria Bauer, Assistant Curator 6/22/78
Natalie Pattison, Acting Registrar 8/21/78
Robert Lister, Adjunct Curator 7/1/78

IV. Separation from Staff.

Mary Jo Perrizo, Staff Secretary 5/19/79
Ada Plotner, Staff Secretary 12/17/78
Marian Rodee (on leave) 8/18/78 - 8/1/79
Beverly Barsook 8/20/78
William Buck 8/18/78
Jennie Garcia 12/6/78
Artemisa Hicks 1/1/79

V. Outside Professional Activities of Staff.

Drs. Salvador and Brody both served as reviewers for the National
Science Foundation, National Endowment for the Humanities, and National
Endowment for the Arts. Dr. Salvador was appointed to the New Mexico
State Arts Council. Dr. Brody served on the Paleontological Task
Force appointed by Governor King. In April, 1979, Dr. Brody presented
a paper to the Society of American Archaeology dealing with collections
management procedures. Marian Rodee went to England to attend a course
on textile conservation. Linda Bahm attended a seminar on museum
management at Winedale, Texas. Molly Madden attended a program on
museum education in Minneapolis, Minnesota. Molly Madden and Linda
Bahm visited Tabasco, Mexico as part of an international exchange

VI. Outside Sponsored Research.

There are four grants to report. 1) Approximately $3,000 from the Maxwell Museum Association to support Caroline Olin’s research. 2) $2,000 from the Maxwell Museum Association and 3) $2,500 from Albuquerque Public Schools to support the Maxwell Museum Education Program. 4) A Planning Grant from the National Endowment for the Humanities for $9,970 to support the project entitled "The Archaeology of Chaco Canyon" planning for a proposed traveling exhibition (extended to December, 1979).
I. General Departmental Information

The report year saw a continuation of the level of productivity and enthusiasm on the part of faculty, students and staff reported last year. In addition, the total enrollment for the period increased slightly, from 6243 in AY 1978-79 to 6420 in AY 1979-80. Biology Department faculty and students studied and carried on research and teaching in Puerto Rico, Israel, New Zealand, England, Sweden, France, Kenya, Jamaica, Belize, and Mexico, in addition to our state and regional commitments.

As in the past, an important factor in the successful operation of our department is the diligence, dedication, competence, and patience of the departmental staff.

A. Significant achievements during AY 1979-80

1. Teaching innovations and improvements

a. Summer Field Course. As a pilot for a permanent summer field course in vertebrate zoology, Professor Yates led a group of students through southern Arizona, Baja California, California, and Oregon. Methods of gathering material for cytological and biochemical studies of vertebrate systematics were taught, and the work resulted in a number of original findings which formed the basis of several papers currently in preparation.
b. Tropical Marine Biology Course. Under the leadership of Professors Duszynski and Molles, a field course in tropical marine biology was initiated at Discovery Bay, Jamaica in the laboratories of the University of the West Indies. Eleven UNM students paid a $600 fee to take the course, and learned independent research methods in marine littoral ecology. Research reports given by the students on their return to Albuquerque indicated that the experience had resulted in an amazing amount of professional maturity.

c. Departmental Seminar Program. While we have a regular seminar program, the 1979-80 program was outstanding from the standpoint of the number, diversity, and eminence of the speakers who came from all over the country and Canada. The high quality of the program is made possible in part by the overhead return to the department.

d. Revised Major Requirements. After long study and deliberation, the departmental curriculum committee, headed by Professor Altenbach recommended, and the faculty approved, changes in the requirements for the biology major designed to add breadth and rigor to our program.

e. Faculty Evaluation of Teaching. We have routinely conducted student evaluations of faculty teaching, and used these data for self-improvement
as well as in salary, promotion, and tenure deliberations. This year we instituted a peer evaluation system, whereby each of us visits classes of selected colleagues and summarizes our observations in written form. These data, along with the student evaluations, will prove useful in the future in our continued efforts to improve teaching in the Biology Department.

f. Marine Aquaria Exhibits. As an adjunct to several invertebrate zoology courses, we have established two marine exhibit aquaria with selections of living salt water invertebrates. These exhibits supplement other live animal exhibits established last year. In addition to their value as teaching aids, these exhibits have proved extremely popular with campus visitors.

2. Public Service.

a. State Fair Exhibit. At the request of the Public Information Office, the Biology Department prepared the University's State Fair Exhibit. The exhibit featured an artificial cave displaying living vampire bats and scorpions which attracted over 40,000 visitors. Other aspects of the exhibit involved living desert animals, results of chromosome studies, functional morphology of bats, video tapes of bat flight, and
audio displays of bat sonics. The exhibit was awarded the Governor's Trophy for the best science exhibit and the First Place Exhibit Trophy in the industrial category. Professors Altenbach, Toolson, and Yates, as well as a number of students shouldered the burden of exhibit preparation.

b. Museum of Southwestern Biology. The various divisions of the museum hosted hundreds of visitors including visiting scientists from many other institutions. In addition, contractual services were rendered various state and federal agencies including the New Mexico Department of Natural Resources, and New Mexico Department of Game and Fish.

Museum acquisitions included an impressive African collection of mammals obtained in trade with the Transvaal Museum and the gift of the Troy Best collection of Baja Californian desert rodents, perhaps one of the best in existence.

3. Field Station Acquisition.

Through the generosity of Mr. and Mrs. Virgil Caughran, the University received the gift of a six hundred acre tract of land in Water Canyon atop Mt. Taylor. The land is to be used exclusively by the Biology Department for biological research.

B. Plans and Recommendations.

Of three recommendations made last year one, acquisition of a field station, has been achieved. Plans for an
undergraduate major in environmental biology are ongoing, and membership in O.T.S. has not yet been realized.

An additional recommendation, in the progress of being carried to the administration, is that the Museum of Southwestern Biology be established as a separate administrative and budgetary entity. The Museum, with strong teaching, public service, and research functions, has for many years existed at the pleasure of the biology chairman. Most such museums are distinct entities within their universities, and we feel strongly that this independence is essential for the future well-being of the Museum.

C. Appointments. None.

D. Separations.

John Hastings resigned in August, 1979, to pursue full-time graduate studies.

II. Composite of information requested on individual biographical supplements.

Summary

Research Grants. During FY 1979-80 21 of 29 faculty had research grants, the face value of which totalled $2,071,096, up $533,000 from last year.

Publication. During the report period the biology faculty published 50 papers totalling more than 519 pages.

Papers Presented. Twenty-two of the 29 biology faculty members presented a total of 45 papers at regional, national and international meetings.
Detailed Information

1. Advanced Study

None

2. Sabbaticals and Leaves


Duszynski, Donald W. (A) March 18-25: Univ. of West Indies Marine Station, Jamaica with biol. class from Univ. N. Colo. (at own expense) to explore feasibility of developing marine biology course there for UNM students. (B) May 21 - June 25: spent 5 weeks in the field with Dr. Yates and his Biol. 502 class (at own expense).

Findley, James. July. Taught one week at Univ. Minnesota, Itasca Campus.

Gosz, James R. Sabbatical: Forest Research Institute, Rotorua, New Zealand.

Kerkof, Paul R. Spring 1979: continuation of sabbatical leave begun in Fall 1978. One-third of time spent at the Cancer Research and Treatment Center of the University of New Mexico.


Taylor, Fritz. June: visited Univ. of California, Davis, Univ. of Oregon and Univ. of Washington to discuss research with colleagues.

Trujillo, John. Site visit for NIH, Delaware State College, Dover.

Yates, Terry L. August: three weeks' consulting and cooperative research, Texas Tech University.
3. New scholastic honors, fellowships, etc.

Crawford, Clifford S. 1980: Lady Davis Visiting Professorship (5 months), Technion Institute, Haifa, Israel.

Duszynski, Donald W. Promoted to Professor, Dept. of Biology.

Gosz, James R. Promotion to Professor. Senior Research Fellowship, New Zealand National Research Advisory Council, New Zealand.

Kogoma, Tokio. Promotion to Associate Professor.

4. Publications


Bourne, Earl W. 1980. Tissue culture of biospecific molecules for radiotracers preparation: a case for anti-beta hCG. In The Second International Symposium on Radiopharmaceuticals, Lelio Columbetti, ed. (Accepted for publication.)


Duszynski, Donald W.


5. Creative work and research in progress

Altenbach, Scott. Film prepared for BBC, Bristol, Eng., on fishing behavior of greater bulldog bat, Noctilio leporinus, as part of series entitled LIFE ON EARTH to be released in U.S. in 1980.

Film prepared for BBC, Bristol, Eng., on flight of common vampire bat as part of series entitled VAMPIRES to be released in U.S. in 1980.

Ongoing research in bat locomotor mechanism and locomotor morphology.
Baca, Oswald G. NSF Grant, $50,300, July 1977 to December 1979, Coxiella burnetii: its lipopolysaccharide & attachment & entry into host cells.

Natl. Inst. of Health Grant, $64,736, August 1977 to August 1980, Interaction of Coxiella burnetii with cells of low phagocytic activity.

Manuscripts submitted: Isolation and characterization of a lipopolysaccharide from Phase II Coxiella burnetii (with I.L. Martinez, A.S. Aragon, and D. Klassen).

Molecular weight of Coxiella burnetii DNA (with W. Myers, and C.L. Wisseman, Jr.

The fate of Coxiella burnetii in macrophage-like cells (with A.S. Aragon, I.L. Martinez, and E. Akporiaye).


Bourne, Earl W. NIH Grant Proposal: $558,326. Cancer Diagnosis and Therapy via Surface hCG, Cancer Detection Research Staff, College of Pharmacy, Radiopharmacy.


Cates, Rex G. NSF Grant, $175,000, Effect of Plant Community Dynamics and Chemical Defenses upon Herbivore Feeding Patterns and Population Dynamics. 3 yrs.

U.S. Forest Service Grant, $18,200. The identification of dissolved organic chemicals released in wildland streams due to disturbance in establishing or modifying recreational areas. 1 year.


Crawford, Clifford S. Research on gut ultrastructure-microbial association in desert millipedes; reviewing manuscripts for journals; reviewing grant proposals; writing grant proposals; writing papers; writing a book.

Duszynski, Donald W. Collected protozoan parasites and ectoparasites from over 700 small mammals in Arizona, Baja-Norte, Mexico, California & Oregon during May-June, 1979. Collaborating with the CDC, Ft. Collins, Colo., to ID the ectoparasites and intestinal coccidians.

Collaborating with Dr. R. M. Overstreet, Gulf Coast Research Station, Ocean Springs, MS, on the biology & pathogenesis of a coccidian (Eimeria funduli) of the Gulf killfish.

Collaborating with Dr. G. A. Castro, Univ. of Texas Med. School, Houston, on the mechanisms of disease production by coccidians. 1 manuscript now in review; 2 others at various stages of completion.


Ewing, Evelyn P. Participated in NIH Grant, $83,664, Mathematical Models and Curricula in Biology, 1 year.


Findley, James. Research on structure of bat communities and food habits of neotropical bats.

Gosz, James R. NSF, $117,643. Comparative investigation into the factors controlling nutrient losses from disturbed ecosystems. 1 year.

NSF, $57,091. 1979-1980. An evaluation of Sr$^{87}$/Sr$^{86}$ and other rare earth element ratios for quantifying the total atmospheric input to ecosystems.


Sandia Laboratories, $34,537 (78-79); $34,676 (79-80). Los Medanos Project: Soil and Vegetation Studies.
Kidd, David E. Book in progress with W. Hadley, Pharmacy, involving environmental aspects of Toxicology.

Research on the relationship between phosphorous and suspended matter in the Rio Grande and on lead in the urban environment.


NSF, $50,000. Regulation of DNA Replication in Prokaryotes. To November 1981.

NIH (Minority Biomedical Support Grant), $13,062. Genetic & Biochemical Studies on Stable DNA Replication in Escherichia coli. To August, 1980.

Ligon, J. David. NSF, $106,000. An evolutionary and ecological study of communal breeding in two species of tropical birds. 3 years.

Sandia Laboratories, $27,000. Contract Research, WIPP Project. 1 year.


Checklist of the flora of the Magdalena Mountains.

A flora of New Mexico (in press).


Research proposal submitted to NSF: The relationship of competition, reef structure, and reef area to the structure and dynamics of reef fish communities.

Potter, Loren D. NPS, $6,936. Vegetational studies at Bandelier National Monument. 1 year.


Riedesel, Marvin L. Research Allocations Committee, UNM, $840. Pilot Studies of Mammalian Respiration at Low Body Temperature.

Taylor, Fritz. Research on geographical patterns in photoperiodic induction of diapause in the Mexican bean beetle; on whether short-term temperature patterns predict the first hard frost in autumn, and on sensitivity of physiological time to variation in its parameters.

Thornhill, Randy. Initiated: NSF grant, $62,000. Paternal investment and the evolution of sexual differences in Orthoptera (Insecta). 2.5 years.

Initiated: NSF grant, $60,000. Ecological determinates of mating systems. 2.5 years.

Toolson, Eric. Continuation of NSF grant from 1978: A Biophysical & Biochemical Study of Scorpion Epicuticular Lipids & Their Role in Regulating Cuticular Permeability.

Trujillo, John. HEW Minority Biomedical Grant to UNM: Control of Carbohydrate Metabolism in Liver (continuation).

NSF Research Equipment Grant, $41,000 + $21,000 from UNM.

HEW Grant: Arthritis and Metabolic Diseases (continuation).

HEW Grant: Structure and Function of Hemoprotein H-450 (continuation).

Vogel, Kathryn G. NIH Grant: Glycosaminoglycans of the Aging Cell (continuation).

Wiens, John A. NSF Grant, $95,900. Avian Responses to Environmental Heterogeneity in arid shrubsteppe systems. 2 years.

NOAA Grant, $105,000. Simulation modeling of marine bird population energetics, food consumption, and sensitivity to perturbation. 1 year.


Yates, Terry L. RAC Grant, $1500. Speciation in Sorex monticolus in New Mexico. 1 year.

New Mexico Game & Fish, $1500. Protein analysis in New Mexico Mule Deer.

National Fish & Wildlife Lab, $500. Genic variation in mammals. 1 year.
6. Activities in learned and professional societies


Nitrogen fixation during blue-green algal blooms at Cochiti and Abiquiu Reservoirs, New Mexico. Presented at Southwestern and Rocky Mt. Division of American Association for the Advancement of Science, April 1979 (with Johnson & Foster).

Kinetics of iron transport by Anabaena flos-aquae. New Mexico branch of American Society of Microbiology, October 1979 (with Johnson & Foster).


National Meeting, American Society for Microbiology, May 1979.


Cates, Rex G.  Presented seminar by invitation: Stress physiology of trees and insect population dynamics. Northern Arizona University.


Member, editorial board, Journal of Arid Environments.

Degenhardt, William G. New Mexico Herpetological Society, parliamentarian and member, executive council.

Attended joint field meeting with state herpetological societies from New Mexico, Colorado, Kansas and Oklahoma.

Duszynski, Donald W. Meetings attended:

American Society of Mammalogists, Corvalis, OR, June 1979.

Southwestern Association of Parasitologists, Lake Texoma, Oklahoma, April 1979.


American Society of Parasitologists, Minneapolis, MN, July and August 1979.


Society of Protozoologists, Stillwater, OK, August 1979.

Papers presented:

An unusual new eimerian from the liver of killifish, Fundulus spp., 12th Annual Meeting of Southwestern Assn. of Parasitologists.

Ultrastructure of the exogenous stages of an unusual new eimerian from the Gulf killifish, Fundulus grandis. 11th Annual Meeting Rocky Mt. Conference of Parasitologists.

Offices held:

Elected president SWAP, 1979-80.
Elected president RMCP, 1979-80.
Nominated for secretary, Society of Protozoologists; declined.
Appointed chairman, 1980 Annual Coccidiosis Conference, San Francisco.
Appointed member, Business Advisory Committee, Society of Protozoologists, 1979-80.
Appointed member, Nominations Committee, Society of Protozoologists, 1979-80.
RMCP regional representative to ASP Council through July 1979.

Findley, James. Vice President, American Society of Mammalogists (attended annual meeting, Corvallis, Oregon, June 1979).


Paper at International Hydrological Society, New Zealand.

Paper at Forest Research Institute, New Zealand.


Papers presented at Southwestern and Rocky Mountain Division of American Association for the Advancement of Science, April 1979, Durango, Colorado:


Nitrogen fixation during blue-green algal blooms at Cochiti and Abiquiu Reservoirs, New Mexico (with E.W. Foster and L.L. Barton).


Chairman, Botanical Section, Southwestern and Rocky Mountain Division of American Association for Advancement of Science. 1978-79.

Attended Fourth North American Conference on Mycorrhiza, June 1979, Colorado State University, Ft. Collins, CO.
Inhibition of Adenylate Cyclase Activity by 3'-Deoxyadenosine (Cordycepin), Tissue Culture Association Meeting, Seattle, June 1979 (with J.H. Nilson).

Inhibition of Adenylate Cyclase Activity by 3'-Deoxyadenosine (Cordycepin), American Society for Cell Biology Meeting, Toronto, Canada, Nov. 1979 (with J.H. Nilson).


Kogoma, Tokio. Meetings attended:

Gulf Coast Molecular Biology Conference (Jan. 1979)
Southwestern MBS Symposium (Mar. 1979)
European Molecular Biology Organization (Sept. 1979)
American Society for Microbiology, N.M. Branch (Oct. 1979)

Office held:

Councillor, American Society for Microbiology, N.M. Branch

Papers presented:

The recA+, lexA+-Dependent Induction of UV-resistant DNA replication in E. coli. Gulf Coast Molecular Biology Conference (with T.A. Torrey and M.J. Connaughton).

DNA-DNA Hybridization Used to Characterize the DNA from a Mutant Strain Capable of Initiation of DNA Replication in the Absence of Protein Synthesis. At the Southwestern MBS Symposium (with N.L. Subia).

Is DNA Initiation Capability Unstable In Vivo? EMBO Workshop on Control of Replication and Partitioning of Bacterial Chromosomes and Plasmids (with T.A. Torrey and N.L. Subia).

Temperature-Sensitive SdrC mutant of E. coli. EMBO Workshop.

Replicon-Specificity of Sdr Regulation. EMBO Workshop (with N.L. Subia and T.A. Torrey).

Martin, William C. Two papers presented to the principals and reviewers on floristic data from the Los Medaños site.
Molles, Manuel C. Papers presented:


Potter, Loren D. Vice President for Eisenhower Consortium for Western Environmental Forestry Research.


October: invited lecture at Amer. Physiology Soc. Symposium: Protein & Fat Metabolism During Mammalian Hypophagia & Hibernation, New Orleans.

Representative to Amer. Inst. of Biol. Sci.

Member, Educational Materials Review Board, American Physiology Society.

Member, Committee on Desert and Arid Zones Research, SW and RM Div. AAAS.

Abstracts:

American Physiological Society Meeting with FASEB, Dallas.
SW&RM Div. AAAS Meeting with Colorado-Wyoming Academy of Science, Durango.
American Physiological Society, New Orleans.
SW&RM Div. AAAS Meeting, Las Vegas, Nevada.

Meetings attended:

Life, Heat & Altitude Symposium of American Physiological Society, Univ. of Nevada.
FASEB.
SW&RM Div. AAAS.
Colorado-Wyoming Academy of Science.
Protein & Fat Metabolism During Mammalian Hypophagia & Hibernation Symposium, American Physiology Society.

Attended meeting of Entomological Society of America, Denver, Nov. 1979.


Vogel, Kathryn G. Papers presented:

Sulfated Glycosaminoglycans are True Components of the External Membrane Surface of Human Fibroblasts in Culture, ICN-UCLA Symposium, March 1979.


Wiens, John A. Editor, The Auk (American Ornithologists' Union).

Attended meeting of AOU, College Station, Texas, in August, delivering two papers.

Member, Council, AOU.


Member, national committee on systematic collections, Amer. Soc. of Mammalogists.

7. Other Professional Activities


Consultant for Union Geothermal Corp. on Baca Geothermal Project, Jemez Springs, NM. 1979.
Baca, Oswald G. Participated in site visit for NIH to Univ. of Puerto Rico & Med. School to evaluate their multiple investigator research grant proposal & facilities, May.

Consultant to Rodey law firm (Albuquerque) on pending case on botulism poisoning in Clovis, NM.


Attended seminar, UNM School of Medicine, Depts. of Pharmacology and Anatomy, Nov. Entry of an intracellular parasite into host cells.

Attended seminar, V.A. Hospital Infectious Diseases Branch, Albuquerque, July. The mechanism of entry of a rickettsia into host cells.

Barton, Larry. Seminars presented at:

Experimentele Biologie, Nederlands Instituut vor Onderzoek der Zee Texel, Nederlands, and Laboratoire de Chimie Bacterienne CNRS, Marseille, France.


Caldwell, Douglas E. Consultant, Los Alamos Scientific Laboratories.


Reviewed articles submitted to Applied and Environmental Microbiology and the Can. J. of Microbiology.

Reviewed grant proposals for NSF.


Reviewer for USDA and SDA funding agencies.


Duszynski, Donald W. Seminar, Univ. of Texas, Arlington, November.


Reviewed NSF proposal for MONTS and grant proposals for the American Philosophical Society.

Ewing, Evelyn P. American Soc. of Human Genetics.

UNM Faculty and Professional Women's activities.

Gosz, James R. Seminars at: Forest Research Institute, New Zealand; Waikato Univ., New Zealand; Univ. of Canterbury, New Zealand; Lincoln College, New Zealand; Ministry of Works, New Zealand, and N.Z. Institute of Foresters.


Fall 1979 - Spring 1980: invited lecturer, AAAS NSF Chautauqua Short Course Program.

Kogoma, Tokio. Reviewed proposal for NSF.

Molles, Manuel C. Aquatic insect identification & enumeration for U.S. Bureau of Sport Fisheries & Wildlife project to evaluate the impact of Western Budworm control program, Aug. 1979.

Member, Governor's Advisory Committee on WIPP Program, Jan.-Aug. 1979.

Martin, William G. Off-campus talks to various local groups.

Research Associate, Los Angeles Co. Museum of Natural History (a flora of Los Angeles County).

UNM Speakers Bureau

Consultant and cast member for educational TV program on desert biology, Children's Television Workshop, N.Y., Sept. 1979.

Potter, Loren D. Presentation of two seminars on fire ecology at non-university science groups.

Consultant as expert witness on two environmental problems.

Evaluation committee member of biochemistry program at Dartmouth College & Medical School.

Taylor, Fritz. Participant in NIH-sponsored program Minority Access of Research Careers in Dept. of Math. & Stat., UNM.

Thornhill, Randy. Advisory panel, NSF (psychobiology).


Interviews regarding my research broadcast on CBS TV and 1 local TV station and 2 local radio stations.

Toolson, Eric C. Biology Dept. exhibit, New Mexico State Fair, 1979.


Wiens, John A. Member of Steering Committee, Bird Censusing Symposium (sponsored by several Federal agencies); member of team evaluating Graduate programs in Ecology and Behavioral Biology at Univ. of Minnesota, May 1979.

Reviewer, Management Plan for Birds of Prey Study Area, Idaho (BLM).

Invited seminars at Univ. of Michigan, Univ. of Pennsylvania, Princeton Univ., and NMSU.


Yates, Terry L. Data analysis consultant, Texas Tech Univ. (3 weeks summer).

Invited guest, seminar, Dept. of Game & Fish, Santa Fe.

Invited symposium talk, Int'l Mexican Wolf Recovery Team (the value of genetic information in managing endangered species).

8. Non-Teaching University Service

Altenbach, J. Scott. Chairman, Undergraduate Curriculum Committee.

Baca, Oswald G. Member, Health Sciences Advisory Committee. Member, Graduate Policy Committee, Biology Department.

Chairman, Selection Committee for the Minorities Biomedical Support Program.

Member, Biology Department Safety Committee.

Participant, UNM Ambassadors Program.

Barton, Larry. Graduate Student Committees for J. Ruocco and M.B. Frankenfield.

Bourne, Earl W. Health Professions Advisor and member, Health Sciences Advisory Committee.
Caldwell, Douglas E.  Member, Biology Department Seminar Committee.

Curator of Microorganisms


Crawford, Clifford S.  Member of doctoral dissertation committee at NMSU.  Major advisor of 1 graduate student and on committees of several others.

Curator of invertebrates.

Degenhardt, William G.  Graduate Advisor, 4 students; Graduate Committee, 2 students.

Curator of Herpetology.

Teaching Evaluation Committee, N.M. Union Board, Search Committee for N.M. Union Director.

Duszynski, Donald W.  Member, Graduate Policy Committee, Biology Dept.

Pre-vet Advisor, Biology Dept.

Findley, James.  Chairman, Dept. of Biology; various University committees; 5 doctoral, 2 masters student committees.

Gosz, James R.  Graduate Selection Committee, Biology Dept.; Toxic Waste Disposal Committee, Biology Dept.; 3 graduate students.


Johnson, William W.  Chairman, University Admissions & Registration Committee.  Member, Faculty Senate Executive Committee.  Transfer Student Advisor (Biology).  Liason Rep. with the General Library.

Kerkof, Paul R.  UNM Radiation Protection Subcommittee.

Direction of research and dissertation writing of graduate students; graduate committees for several students.
Kidd, David E. Basic Skills Curriculum Committee.

Freshman Advisor in Biology Department.

Graduate Advisor for 3 graduate students.

Special consultant to Univ. of Missouri, Kansas City Div. of Continuing Education.

Attended joint Albuquerque Public Schools/A&S Workshop, October 11, 1979.

Reviewed manuscripts for Benjamin/Cummings Publ. Co.; Nat'l Ass'n of Biology Teachers.

Started new courses: Biol. Conservation 379 and Natural Science 100.

State Director, Nat'l Ass'n of Biology Teachers Outstanding Biology Teacher Award.

Associate editor, Southwestern Naturalist's SWANEWS.

Center director for 2 NSF-AAAS short courses at UNM.

Ligon, J. David. Advisor of 4 graduate students.

Chairman, Graduate Student Selection Committee.

Curator of birds.

Martin, William C. Member, State of New Mexico Committee on threatened and endangered.

Curator of Herbarium and Museum of Botany, UNM.

Preforestry advisor.

Member, UNM-Sandia Colloquium Committee.

Molles, Manuel C. Curator of UNM Fish Collection.

Potter, Loren D. Arts & Sciences Promotion Committee.

Taylor, Fritz. Member, graduate committees for 3 Anthropology students. Advisor for 4 Biology graduate students.

Organized Biology Honors Program.
Thornhill, Randy. Graduate Policy Committee.
Advisor for 2 graduate students; committee member on committees of 4 graduate students.

Toolson, Eric C. Chairman, Graduate Admissions and Support Committee.
Member, Undergraduate Core Curriculum Committee.
Member, Physiology Curriculum Committee.

Trujillo, John. Member, Graduate Student Committee.

Wiens, John A. Advisor to 5 graduate students at UNM; 2 at Oregon State.
Chairman, Graduate Policy Committee, Biology Department.

Yates, Terry L. Provided part of UNM Biology Dept. exhibit at New Mexico State Fair.
Chairman, Biology Department Parents' Day Committee.
Curator of mammals.

9. Public Service

Altenbach, J. Scott. Two 30-min. talks on biology to classes at Monte Vista Elementary School.
Organization of on-campus comparative anatomy demonstration for Monte Vista Elementary School Special Education Class.


Johnson, Gordon V. Judge, State Science Fair.

4-H Club Project Leader.

Kerkof, Paul R. Helped officiate at Division IV and V American Youth Soccer Ass'n games during spring and fall.

Martin, William C. Non-paid consultant, Poison Control Center.

Vogel, Kathryn G. Girl Scout troop leader.

Wiens, John A. YBA Basketball coach.
Awards chairman, Cub Scout Pack 460.
10. Personal Information

Altenbach, J. Scott. Divorced.

Caldwell, Douglas E. New baby.

Findley, James. New grandchild, Sophia Eleftheriou.


THE REPORT OF THE DEPARTMENT OF CHEMISTRY

July 1, 1979 to June 30, 1980

Guido H. Daub, Chairman

I. General Departmental Information

A. Significant Achievements During the Academic Year 1979-80

During the year 1979-80, twelve (nine males and three females) undergraduate majors received the B. S. Degree and six (three males and three females) students received the B. A. Degree in Chemistry. A total of fifty-one students (thirty-two males and nineteen females) received a minor in Chemistry. At the graduate level, there were nine students, (seven males and two females) who received the M. S. 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, five of these will go on to graduate school to study chemistry, one at the University of Wisconsin at Madison, one at the University of Arizona, one at the University of Utah, and two here at the University of New Mexico.

Students Receiving a B. S. Degree in Chemistry in 1979-80

| Sandra J. Doughten | Steven A. Snow | Patrick J. Josey |
| Paulette Lyle | Mark A. Vickers | Donald E. Maier |
| Tina C. Young | Harold D. Beeson | David E. Stilwell |
| Glen E. Kellogg | William Houston, III | James C. Wardlaw |

Students Receiving a B. A. Degree in Chemistry in 1979-80

| Mary L. LaCasse | Patty Carabajal | Alan R. Hunter |
| Christine Schupbach | Mark Wesselman | Michael Paine |

Students Completing the Master's Degree in Chemistry in 1979-80

| Marcia S. Kite | Joseph D. Mather | Michael E. Nokela |
| Phyllis A. Leber | Christopher J. Hilleary | Richard B. Ortega |
| Ching-Hsien Chang | William D. Dean | Lawrence L. Whitfield, Jr. |
The Department has recently been notified by the National Science Foundation that our proposal asking for matching funds to purchase a fourier transform infrared spectrometer has been approved. It will take approximately six weeks for the official notice to come through. The Department is to receive $58,000 from the National Science Foundation for the purchase of this needed piece of equipment. The matching funds of $58,000 or more will be supplied through the recent bond issue support for purchase of research equipment for the sciences. Chemistry's allotment of the first phase of that money was over $300,000. Professor Paine was responsible for the preparation of the proposal and other members of the Department contributed to its content.

The proposal which was submitted by the Department to the National Science Fdn during the year 1978-79, for the purchase of a new electron spin resonance spectrometer was not successful. We have, however, been able to purchase an instructional table model instrument with instructional bond issue money supplied by funds provided by the University. This latter piece of equipment has been ordered and is about to be delivered. During the year 1979-80, the Department received approximately $45,000 from the Administration in the form of bond issue money to further update Chemistry's need for equipment. This bond money was used to purchase a Cary 219 spectrometer ($21,000), a polarimeter ($11,000), miscellaneous equipment for updating the Chemistry 131, 132 and 253 laboratories ($7,000), and needed miscellaneous items for the X-Ray Crystallography laboratory ($3,000). A limited amount of funds have been held in abeyance to cover any other expenses related to these items. The spectrometer and polarimeter are on order, but delivery has not as yet been received.
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 1978-79 academic year and for all practical purposes, we can say that the decline mentioned last year has leveled off. 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 may not be possible without some increase in the size of our staff. Hopefully within the near future this can be done.

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 1979-80 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. In a recent meeting of Vice Provost for Research, Joseph Scaletti, and the Chairman of the Physics Department, Marcus Price, several members of the Chemistry faculty were encouraged by the prospect of being able to obtain a machine shop technician who would be based in the Physics Department Shop and do work for Chemistry. Vice Provost Scaletti pledged some kind of assistance in this matter and final details have not as yet been worked out.

As in the past, members of the Department were evaluated by student opinion in both the Fall and Spring Semesters. In these evaluations, the Department went back to using its old form rather than the University's. If student evaluations are a true indication, it does appear that the faculty in Chemistry is, in general, doing a good job of teaching at both the undergraduate and graduate level.

During the school year 1979-80, the Chemistry Department's Seminar Program was financed by donations from Alumni and other interested parties as well as the Overhead Return Account. Donations to the Seminar Fund totaled approximately $1400. This program was also funded through the auspices of the University of New Mexico Colloquium Committee in the amount of $600. The amount supplied from the Overhead Return Account for the academic year 1979-80, was approximately $470. Approximately $2000 was used from the Seminar Account toward the expenses of the Seminar speakers. Thirteen hundred dollars was contributed by the UNM Sandia Colloquium Committee, and $200 from the Arts and Sciences College Speakers Fund. An estimate of the total cost of this program for the 1979-80 year was approximately $5000. The Seminar speakers and titles of their talks for the 1979-80 year are shown in Table I.
<table>
<thead>
<tr>
<th>Speaker</th>
<th>Topic</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. H. Wamhoff</td>
<td>Heterocyclic β-Enamino Esters, Versatile Synthons in the Preparation</td>
<td>University of Bonn</td>
</tr>
<tr>
<td>August 31, 1979</td>
<td>of New Condensed Heterocyclic Systems</td>
<td></td>
</tr>
<tr>
<td>Dr. Neal Armstrong</td>
<td>Chemically-Modified Electrodes for Solar Photoelectrolysis</td>
<td>University of Arizona</td>
</tr>
<tr>
<td>September 7, 1980</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Joseph G. Morse</td>
<td>Difluorophosphino Chemistry. The Radical and Functional Group</td>
<td>Utah State University</td>
</tr>
<tr>
<td>September 21, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. W. J. McDowell</td>
<td>Separations Chemistry and Hydrometals at Oak Ridge National Laboratories: Background and Opportunities</td>
<td>Oak Ridge National Laboratories</td>
</tr>
<tr>
<td>September 27, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. K. V. Terrell</td>
<td>Chemistry and Chemical Research at ARCO ARCO Oil and Gas Co.</td>
<td></td>
</tr>
<tr>
<td>September 28, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Henry Rappoport</td>
<td>Psoralens</td>
<td>University of California at Berkeley</td>
</tr>
<tr>
<td>October 5, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. F. A. L. Anet</td>
<td>Dynamic NMR and Force-Field Calculations on Some Medium-Ring Compounds</td>
<td>University of California at Los Angeles</td>
</tr>
<tr>
<td>October 12, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. M. Y. Daresbourg</td>
<td>Ion-Pair and Acid-Base Interactions of Significance to Transition Metal-Organic Chemistry</td>
<td>Tulane University</td>
</tr>
<tr>
<td>October 19, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. David J. Pettitt</td>
<td>The Structure, Properties, and Applications of Polysaccharides</td>
<td>KELCO</td>
</tr>
<tr>
<td>October 26, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Clayton F. Callis</td>
<td>Chemistry and Chemicals -- Is there a Future?</td>
<td>Monsanto Central Research</td>
</tr>
<tr>
<td>November 2, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. William H. Woodruff</td>
<td>Resonance Raman Spectroscopy: Electronically Excited States and Other Ephemerals</td>
<td>University of Texas at Austin</td>
</tr>
<tr>
<td>November 9, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Allen J. Bard</td>
<td>Photochemistry and Heterogeneous Photo- processes at Semiconductors</td>
<td>University of Texas at Austin</td>
</tr>
<tr>
<td>November 16, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. D. Lichtenberger</td>
<td>Photoelectron Spectroscopy of Organometallic Complexes</td>
<td>University of Arizona</td>
</tr>
<tr>
<td>November 30, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Thomas Krugh</td>
<td>Spectroscopic Studies of Drug-Nucleic Acid Complexes</td>
<td>University of Rochester</td>
</tr>
<tr>
<td>December 7, 1979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Speaker</td>
<td>Title</td>
</tr>
<tr>
<td>--------------------------</td>
<td>--------------------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>January 31, 1980</td>
<td>Dr. Thomas J. Pinnavaia</td>
<td>Layered Silicate Intercalation Catalysts</td>
</tr>
<tr>
<td>February 1, 1980</td>
<td>Dr. George Pack</td>
<td>Base-Sequence Dependent Conformation Changes and Nucleic Acid Intercalation -- A Theoretical Perspective</td>
</tr>
<tr>
<td>February 8, 1980</td>
<td>Dr. Harold W. Moore</td>
<td>Ketene Cycloadditions and New Routes to β-Lactams</td>
</tr>
<tr>
<td>February 15, 1980</td>
<td>Dr. Keith Pannell</td>
<td>Studies on Silicon-Transition Metal Complexes</td>
</tr>
<tr>
<td>February 22, 1980</td>
<td>Dr. James W. Taylor</td>
<td>Applications of Synchrotron Radiation to Studies of Gases and Surfaces</td>
</tr>
<tr>
<td>February 27, 1980</td>
<td>Dr. Ivan Bernal</td>
<td>Structures and Absolute Configuration of Organometallic Compounds</td>
</tr>
<tr>
<td>March 10, 1980</td>
<td>Dr. Richard Eisenberg</td>
<td>Homogenous Catalysis of the Water Gas Shift Reaction and Related Topics</td>
</tr>
<tr>
<td>March 12, 1980</td>
<td>Dr. Alan Sargeson</td>
<td>Cage Compounds</td>
</tr>
<tr>
<td>March 13, 1980</td>
<td>Dr. K. B. Wiberg</td>
<td>Chemistry of Some Fused Cyclobutanes</td>
</tr>
<tr>
<td>March 14, 1980</td>
<td>Dr. K. B. Wiberg</td>
<td>Effects of Substituents on Charge Distributions</td>
</tr>
<tr>
<td>April 2, 1980</td>
<td>Dr. Jon McCleverty</td>
<td>Consequences of Overcrowding and Deprivation on the Chemistry of Molybdenum and Tungsten</td>
</tr>
<tr>
<td>April 8, 1980</td>
<td>Dr. Eric Bandurski</td>
<td>The Origin of Petroleum</td>
</tr>
<tr>
<td>April 8, 1980</td>
<td>Dr. William Klemperer</td>
<td>The Formation of Molecules in Interstellar Space</td>
</tr>
<tr>
<td>April 9, 1980</td>
<td>Dr. William Klemperer</td>
<td>The Structure of Van der Waals' Molecules</td>
</tr>
<tr>
<td>April 11, 1980</td>
<td>Dr. John E. Bercaw</td>
<td>Recent Developments in Small Cluster</td>
</tr>
<tr>
<td>April 18, 1980</td>
<td>Dr. Joseph H. Patterson</td>
<td>Differences Between Academic and Industrial Research</td>
</tr>
<tr>
<td>April 25, 1980</td>
<td>Dr. Gary Maciel</td>
<td>Magic Angle Spinning NMR of Solid Samples</td>
</tr>
<tr>
<td>May 2, 1980</td>
<td>Dr. Henry Freiser</td>
<td>The Kinetics of Extraction of Metal Chelates</td>
</tr>
<tr>
<td>May 9, 1980</td>
<td>Dr. Richard Zare</td>
<td>&quot;</td>
</tr>
</tbody>
</table>
B. Significant Plans and Recommendations for the Near Future

Plans to renovate the older part of Clark Hall were developed several years ago and sent to the Dean in a proposal dated January 1977. Some of those recommendations have been changed since that time and during the past year, the Department's Building Committee has met several times with the architect to discuss both renovations and recommendations for an addition to the present Chemistry Building. Some progress has been made; however, in renovation plans for the building in that a bid was recently received to renovate Rooms 211 and 215 in the Chemistry Building. These two rooms, especially 211, contain antiquated furniture which is no longer useful and in fact, these laboratories in their present state, are unsafe. The decision is now pending on whether or not this renovation work should be carried out. Hopefully this decision will be positive and these two laboratories will again become useful for research.

The Department is still in need of an electronics technician in addition to the one-third time person we now have, although Mr. Earle George does have some part-time help in the form of workstudy students, in general the service provided by his shop is inadequate for our needs. Hopefully this situation will be remedied in the future. Our situation regarding the electronics service has been inadequate for several years and this has been mentioned in every Annual Report for some time now.

As was mentioned earlier in Section A of this report, we are still negotiating for an in-house machinist technician position who will be housed in the Physics Machine Shop and will do such metal work as necessary for the Chemistry Department. As was pointed out, progress has been made in the realization of this goal and one plan for next year is to finally realize
such kind of service for this Department. Faculty members in our Department in the area of analytical and physical chemistry have an extreme need for this kind of facility. Every effort should be made by the University to provide this kind of aid no later than July 1, 1981.

In November of 1979, the Department was able to secure a one-half time secretarial position to assist our other three secretaries in the enormous amount of typing and other secretarial duties. Since that time, this one-half position has become a permanent one-half position and we are eventually hopeful that the Department will be able to have the services of four full-time secretaries.

The Department is in need of hiring two technicians or staff scientists to assist in the running of some of the highly sophisticated instrumentation which has been acquired by the Department over the past few years and which will continue to be acquired as we improve our situation on obtaining such kinds of back-up instrumentation for our research efforts.

With the recent acquisition of funds through the latest bond issues for improving the University's research equipment in scientific areas, the need for this kind of help has become even more apparent. We recently lost a faculty member through resignation who is being replaced for the coming year by a staff scientist. This staff scientist will operate our X-Ray Crystallography facility and probably will be needed on a full-time basis for this service.

As was pointed out earlier, we will also be purchasing in the very near future, a Fourier transform infrared spectrometer. I believe that the Department is ready to hire a second staff scientist or advanced technician
to operate this instrument and also be responsible for the maintenance and operation of the three nuclear magnetic resonance instruments in the Department. At the present time, responsibility for these nmr instruments lies in the hands of select faculty. These extra duties of maintaining these instruments as well as training advanced graduate students on their operation, is a considerable burden on these faculty. We try to give these faculty some measure of teaching load equivalent for performing these duties, but it would be more efficient if these kinds of responsibilities were administered by a talented technician rather than a faculty member. I feel that our faculty have done a fine job in maintaining these instruments, but the time they have had to spend in this kind of assistance could be spent more efficiently by them in creative work related to their research. Equipment in this Department which should be maintained and run essentially by a qualified technician are the nmr instruments, the mass spectrometer, the new FTI-R and the X-Ray Laboratory. I foresee other instrumentation acquired by the Department designed for general use which will also require able technicians to maintain their operation.

The Department is currently looking for a new faculty member at the senior level to take over the assignment of Department Chairman. The current chairman has been in this position for ten years and it is time that the Department find a new one. A search is currently being conducted for this person and hopefully the right candidate will be found to take over this post.

C. New Additions

Carl Hilton joined our staff to replace Alfred Anzures. Marlene Johnson was hired as a one-half time secretary. She essentially has replaced the
CETA secretary who was separated during the 1978-79 academic year.

D. Alfred Anzures left the Department to go back to school full time. Thomas E. Jones is leaving and has accepted a position with the nuclear waste management program at the Rockwell Hanford Laboratory in Richland, Washington. Dr. Charles F. Campana has resigned to accept a position with the Syntex Division of the Nicolet Instrument Company in Cupertino, California.
Composite of Information Submitted on Individual Biographical Supplement:

1. **Advanced Study:**
   (a) None

2. **Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.:**
   (a) WILLIAM F. COLEMAN: Sabbatical leave -- Department of Chemistry, Stanford University with Professor R. N. Zare
   (b) MILTON KAHN: Travel to Los Alamos Scientific Laboratory as Visiting Staff Member
   (c) DONALD R. McLAUGHLIN: Sabbatical leave 1978/1979, visiting Associate Researcher, University of California at Irvine.
   (d) THOMAS M. NIEMCZYK: Sabbatical spent in the laboratory of John P. Walters at the University of Wisconsin working on a project involving resonance schlieren spectroscopy of transient discharges.
   (e) EDWARD A. WALTERS: Travel to LASL as Visiting Staff Member

3. **New Scholastic honors, fellowships:**
   (a) MILTON KAHN: Received the John Dustin Clark Award for 1978 (in January, 1979) from the Awards Committee of the Central New Mexico Section of the American Chemical Society.

4. **Publications:**
   (a) FRITZ S. ALLEN:
   (b) CHARLES F. CAMPANA:


(c) WILLIAM F. COLEMAN


(2) Transient Photocurrents in MnO₄⁻ Solution, accepted 9/15/79 for Journal of the American Chemical Society.

(d) GUIDO H. DAUB


(e) LORRAINE DECK

A laboratory book for Chemistry 111 is being published by Burgess to be used in the Fall of 1980.

(f) ULRICH HOLLSTEIN


(2) Synthesis of Shikimic-6-\(^{13}\text{C}\) Acid, J. of Labelled Compounds and Radiopharmaceuticals, in press.

(3) Carbon-13 NMR Studies on Some 5-Substituted Quinoxalines, Organic Magnetic Resonance, in press.

(g) THOMAS E. JONES


(h) WILLIAM M. LITCHMAN


(i) DONALD R. McLAUGHLIN


(j) CARY J. MORROW

(k) THOMAS M. NIEMCZYK


(1) ROBERT T. PAINE


(m) E. P. PAPADOPOULOS


(n) SU-MOON PARK


(o) ROBERT E. TAPSCOTT


(2) Stereochemical Studies on Diastereomers of Tris(2,3-butanediamine) Cobalt(II)," Inorganic Chemistry, in press.


(q) EDWARD A. WALTERS


5. Other research projects or creative works:

(a) FRITZ S. ALLEN

(1) Wrote proposals entitled: 1. The extention 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) CHARLES F. CAMPAANA

(1) Stereoochemical and Bonding Studies of Transition Metal Complexes, Sandia Corporation RFQ 07-7914, October 1, 1977 - September 30, 1979; $33,000.

(2) Nonparameterized Molecular Orbital Calculations on Transition Metal Complexes, unsupported.

(3) Structural Studies of Transition Metal Complexes of Amino Acids, joint with W. F. Coleman (UNM) and W. M. Litchman (UNM).
(4) X-Ray Crystallographic Studies of Vanadyl Tartrate Complexes, joint with R. E. Tapscott, (UNM).


(7) Structural Studies of Alkyl Aluminum Complexes, joint with R. T. Paine.

(c) ROY D. CATON


(d) WILLIAM F. COLEMAN

(1) Supported Research:
   b. Amino Acid and Peptide Complexes of Cr(III) -- supported by National Institutes of Health, 9/1/77-8/31/80, $56,500.

(2) Unsupported Research:
   b. Iodine Metastable Lifetimes -- work being done at Kirtland Air Force Base.
   c. Energy Transfer in Cr(III)-Cr(VI) Mixed Complexes.
   e. Molecular Orbital Calculations on Metal Complexes.
   f. Transient Photocurrent Spectroscopy -- proposal pending.
   g. Photochemistry in TBP Solution -- proposal pending.
   h. Excimer Laser Induced Metal Ion Photochemistry -- proposal in preparation.

(3) Pending Proposals
   a. Transient Photocurrent Spectroscopy -- Office of the Naval Research, 3 years, $193,629.
   b. Transient Photocurrent Spectroscopy -- National Science Foundation 3 years, $193,629.
(c) Transient Photocurrent Spectroscopy -- Department of Energy, 3 years $193,629.


(e) Synthesis and Structural Characterization of Cr(III) Complexes Showing Glucose Tolerance Factor Activity -- National Institutes of Health, 3 years, $63,153.

(f) Contributed a proposal to the Department NSF Instrumental Proposal for the Purchase of a Fourier Transform Infra-red Spectrophotometer System.

(e) GUIDO H. DAUB

(1) Synthesis and Study of 13C-Labelled Benzo[a]pyrenes, supported by a Grant from the National Cancer Institute of HEW in the amount of $87,000 (including overhead). Grant will end on 12/31/80. Continuation request will be submitted by 2/1/80. Synthesis of Some trans-Diarylethenes as UV Laser Dyes. Synthesis of Cyclopentapyrene.

(f) LORRAINE DECK

(1) I am doing laboratory research on synthesis of some substituted benzo[a]pyrenes, under the direction of Guido H. Daub.

(g) RICHARD W. HOLDER

(1) "Sigmatropic Rearrangements," Petroleum Research Fund, American Chemical Society, $30,000, two years.

(h) 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, $17,000, Feb-Dec 1979); Investigation of Lithospermic acid, an anti-fertility agent (in cooperation with Ob/Gyn, School of Medicine).

(i) THOMAS E. JONES


(2) Macroyclic Ligand Coordination Chemistry, Proposals pending at the Petroleum Research Fund, ACS, and National Science Foundation.

(j) MILTON KAHN

(1) A paper entitled "A Procedure for the Preparation of Chloride-Free Solutions of Carrier-Free Germanium-68" by S. Mirzadeh, M. Kahn, CNC-11 & UNM, P. Grant, H. O'Brien, Jr., CNC-11, has been submitted to Radiochemical & Radioanalytical Ltrs.
(2) The kinetics of the exchange of iodine between potassium iodide and O-iodophenyl acid in aqueous solutions is in progress at Los Alamos (with P. M. Wanek, P. M. Grant, A. E. Ogard, R. E. Whipple and H. O'Brien, Jr).

(k) WILLIAM M. LITCHMAN

(1) Tautomerism in nitrogen heterocycles - using C-13 NMR.
(2) Metabolism of glucose and glucose-6-phosphate
(3) Structure and dynamics of metyrapone.

(1) MIRIAM MALM

(1) A textbook titled "Fundamentals of Organic and Biochemistry" was completed and will be published by D. Van Nostrand Company, New York City, early February, 1980. An Instructor's Manual will accompany the text.

(m) DONALD R. McLAUGHLIN

(1) ab initio potential energy surfaces of H3⁺ completed.
(3) VBRT - a fortran program for variational solution of the internal motion Hamiltonian of tri- and tetra-atomic molecules written.
(4) Variational treatment of the vibrational motion of ammonia, work in progress.
(5) ¹Bu states of H₂, work in progress.

(n) CARY J. MORROW

(1) Continued research on "Gas Chromatographic Resolution of Enantiomers," NIH, $24,721 + IDC, 3rd year of three year grant.
(2) Initiated research on "Synthesis of Cholesterol Biosynthesis Inhibitors," NIH, $24,599 + IDC, first year of three year grant.
(3) Initiated research of "Synthetic Analogs of Compactin," NIH (MBS Program) $9,200, second year of three year grant.
(4) Undergraduate Research Participation, Project Director, summer training program for undergraduates, NSF, $15,223.

(o) THOMAS M. NIEMCZYK

(1) "A Proposal to Assess the Problems of Water Supply Contamination Due to Underground Coal Gasification", Water Resources Research Institute, U. S. Dept. of Interior, $58,200.00, October 1, 1978-February 15, 1980.
(2) "Proposal to Assess Metal Ion Pollution of Ground Water as a Consequence of Underground Coal Gasification in the San Juan Basin," Environmental Protection Agency, $75,000.00, October 15, 1978-October 14, 1980.


(p) ROBERT T. PAINE

(1) Catalytic properties of reduced uranium.

(2) Immobilization of phosphonates on glass.

(q) SU-MOON PARK


(r) ROBERT E. TAPSCOTT


(s) DAVID L. VANDERJAGT

(1) HEW:PHS/NIH/NIGMS Grant 5 R01 GM25295-05 "Cellular Functions of Glutathione; 9/1/79-8/31/80 $36,906 Direct Costs

(2) HEW Grant 5-S06 RR08139-06 Biomedical Sciences Advancement Program, 8/20/79-8/19-80, $5,500.

(t) 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
   $56,000 7/1/78-8/31-79
   2,523 8/31/79-10/31/79
b. EPA
$25,000 10/1/78-9/30/79
$50,000 10/1/79-9/30/80

c. Water Resources Research Institute
$34,056 10/1/78-9/30/79

(4) Short Course on In Situ Energy Recovery Technology, sponsored by DOE, $20,000; August 9-10, 1979, Albuquerque.

(5) Energy transfer from singlet oxygen; student supported by AFWL, Kirtland, AFB.

6. Activities in learned and professional societies:

(a) FRITZ S. ALLEN

(1) Invited Seminar at Max Planck Institute for Biochemistry, Munich, Germany, April 20, 1978 entitled "First Neighbor Specificity in the Binding of Steffimycin B to DNA".


(3) Invited Seminar at the University of Texas at Dallas on March 1, 1979 entitled "Solution Electric Dichroism as a Structural Probe in Macromolecular Chemistry".


(b) CHARLES F. CAMPANA

Papers Presented:


Meetings Attended

(1) American Chemical Society 177th National Meeting, Honolulu, HI, March 30-April 7, 1979.


(4) American Chemical Society 35th Southwest Regional Meeting, Austin, Tx, December 5-7, 1979.

Offices Held

(1) Member of Program Committee of Division of Chemical Education -- elected Program Chairman for 1981-82.

(2) President UNM Chapter Phi Kappa Phi.

Papers Read

(1) Electronic Structures of Cu(ll) and Pd(ll) Macrocycles -- meeting a. above.

(2) Relaxation of Charge Transfer States of Cr(III) Complexes -- meeting a. above.

(3) Transient Photocurrent Spectroscopy -- A New Technique for the Study of Photochemical Reactions in Solution -- meeting c. above.

(4) Relaxation of Highly Excited Vibrational levels of HF/DF -- meeting d. above.

(5) Transient Photocurrents in MnO₄⁻ -- meeting d. above.

(6) Electronic and Structural Properties of Palladium Tetrathiaether Complexes -- meeting d. above.

(7) Charge Transfer Photochemistry of the Thodochromium(III) Ion -- meeting d. above.

GUIDO H. DAUB

(1) Presented a paper entitled "13C-Labelled Benzo[a]pyrene and Derivatives. Efficient Pathways to Labelling the 1-, 2-, 3-, and 6-Positions: at the ACS/CSJ Chemical Congress held in Honolulu, Hawaii, April 5, 1979.


(4) Coauthor of a paper entitled "Fluorescence and Electrogenerated Chemiluminescence of 5,6,11,12-Tetrahydrochrysene Derivatives" which was presented at the National Meeting of the American Chemical Society at Washington, D. C., September, 1979, with Michael J. Kelly, Su-Moon Park (presented paper), and Terry A. Lyle.

(e) RICHARD W. HOLDER

(1) President, Phi Beta Kappa, Alpha of New Mexico
(2) Advisor, Central New Mexico Section, American Chemical Society

(f) ULRICH HOLLSTEIN

(1) Attended ACS/CSJ Chemical Congress, Honolulu, April 1979, read paper: CD Studies on the preferred binding sites of the bis-intercalating echinomycin-DNA complex.


(g) THOMAS E. JONES

(1) Attended Society of Western Analytical Chemists Conference, Jan 18-20, Santa Barbara, CA.

(2) Attended 178th Meeting of the American Chem. Soc., Sept. 9-14, Washington, D.C.

(h) MILTON KAHN

(1) Member of Sigma Xi, Phi Kappa Phi, American Chemical Society, AAAS (Fellow), New Mexico Academy of Science.

(i) MIRIAM MALM

(1) Member of the International Society of Heterocyclic Chemistry, and American Chemical Society.

(j) DONALD R. McLAUGHLIN

(1) Attended Gordon Research Conference on the Chemistry and Physics of Isotopes, Feb 5-9, 1979, Santa Barbara, CA.

(2) Presented poster paper - Theoretical Prediction for Collisional Predissociation: He$^+$ + H$_2$ $\rightarrow$ He + H$^+$ + H.

(k) CARY J. MORROW

(1) Attended two meetings of Central New Mexico Section, American Chemical Society, Elected Advisor to the Section for 1980.

(1) THOMAS M. NIEMCZYK

(1) Councilor, Central New Mexico Section of American Chemical Society.
2. Congressional Science Councilor for the New Mexico Delegation — American Chemical Society.


Robert T. Paine

1. Four papers were presented at two ACS Meetings.

Su-Moon Park

1. "Effects of Concentrations on the Electrogenerated Chemiluminescence Intensity of Several Dimethylbenzo[a]pyrenes," The 177th National ACS Meeting, Apr 1-6, Honolulu, HI.

2. "pH-Dependence of Flat Band Potentials of Semiconductor Materials," The 177th National ACS Meeting, April 1-6, 1979, Honolulu, HI, Coauthor: J. R. Wilson


(o) ROBERT E. TAPSCOTT


(p) DAVID L. VANDERJAGT

(1) Attended FASEB Meeting in Dallas, Texas, April 1-5.

(2) Attended Meeting on Metal-Enzymes at (University) N.M. State, Las Cruces, January 9-12.

(q) EDWARD A. WALTERS


(3) "Kinetic Isotope Effects and Tunneling in the Proton Transfer Reaction between 4-Nitrophenylmethane and Tetramethylquainidine," Gordon Research Conference on the Chemistry and Physics of Isotopes, Santa Barbara, CA, February 5-9, 1979.

(4) "A Beta Ray-Induced Luminescence Detector (BILD) for Liquid Chromatography," with William H. Rahe, 177th National Meeting, American Chemical Society, Honolulu, HI, April 4, 1979.

(5) "Molecular Beam Photoionization of CS2 and (CS2)2" with W. M. Trott and N. C. Blais, 177th National Meeting, American Chemical Society, Honolulu, HI, April 2, 1979.


Meetings Attended:


(3) 177th National Meeting, American Chemical Society, Honolulu, HI, April 2-6, 1979.

(4) 4th Annual Short Course on In Situ Energy Recovery Technology, Albuquerque, NM, August 9-10, 1979.


Offices Held:

(1) American Chemical Society, Councilor of the Central New Mexico Section; as Councilor I serve on the National Committee on Divisional Activities.
7. Other professional activities

(a) CHARLES F. CAMPANA

(1) Consultant -- Sandia Laboratories
(2) Visiting Scientist -- Los Alamos Scientific Laboratory
(3) Reviewed papers for Inorganic Chemistry
(4) Regional Science Fair Judge

(b) ROY D. CATON

(1) Made seven 55-minute videotapes to be used as teaching aids in Chemistry 121; participated in Basic Skills Program and designed 100 curriculum (with William Litchman)

(c) WILLIAM F. COLEMAN

Seminars Presented at Other Universities

(2) What Goes Up Must Come Down -- Relaxation of Excited States of Metal Complexes -- SRI International (formerly Stanford Research Institute), March 5, 1979 and IBM, San Jose, March 16, 1979.

Companies Visited

(1) Varian Corporation -- ERS Group; Quanta Ray Lasers; Quantel Lasers; UVIRA Optics; Spectra-Physics Laser Division; Molecron Dye Laser Division; Chromatix Lasers.

Reviewed Papers for


Reviewed Proposals for

(1) SRI International; AFOSR; NSF.

Consultant to

(1) Kirtland Air Force Base; Sandia Laboratories.
(d) GUIDO H. DAUB

(1) Visiting Staff Member Part-time Group LS-5, Los Alamos Scientific Laboratory.

(e) RICHARD W. HOLDER

(1) Consultant: Stohler Isotope Chemicals, Boston.

(f) ULRICH HOLLSTEIN

(1) Presented invited colloquium on "Antibiotics intercalating with DNA" at the University of Wichita, Kansas, April 1979; Visiting Staff Member Los Alamos Scientific Laboratory; Reviewed manuscripts for Journal of Organic Chemistry; Submitted proposals to NIH, NIH/MBS, BRSG/SURP and RAC.

(g) THOMAS E. JONES

(1) Judged New Mexico Regional Science Fair

(h) MILTON KAHN

(1) Visiting Staff Member, Los Alamos Scientific Laboratory

(i) DONALD R. MCLAUGHLIN

(1) Visiting Staff Member, LASL, June-Aug, 1978
(3) Invited Chemistry Department Seminar, UCI, 12 Mar 1979.
(4) UNM Chemistry Department group seminar 9 Oct 1979.

(j) CARY J. MORROW

(1) Referee for Journal of Organic Chemistry, continued efforts to improve science education at local elementary school by presenting demonstrations; served on panel refereeing proposals to the NSF-URP program (Atlanta, October 1979).

(k) THOMAS M. NIEMCZYK

(1) Presentation of colloquium to Dept. of Chemistry, Univ. of Illinois April 20, 1979, Title: "Recent Developments in Nonflame Atomic Absorption Spectroscopy."

(2) Presentation of seminar at the Upjohn Company, Kalamazoo, MI on May 18, 1979, Title: "Atomic Absorption Spectroscopy".

(1) ROBERT T. PAINE

(1) Consultant Los Alamos Scientific Laboratory
(m) SU-MOON PARK


(n) EDWARD A. WALTERS

(1) Visiting Staff Member, Los Alamos Scientific Laboratory

Other talks:


Demonstrations presented at Commanche Elementary School, April 17, 1979.

(1) Sample collecting trips to UCG site near Farmington, January 14, February 17, and April 30, 1979.

(2) Reviewed two papers for the Journal of the American Chemical Society, one for In Situ, an outline of a book for Harper & Row Publishers, Inc., and a proposal for the National Science Foundation.

8. Non-teaching University service

(a) FRITZ S. ALLEN

(1) Research Allocation Committee, Health Sciences Advisory Committee

(b) CHARLES F. CAMPANA

(1) Member of University Computer Use Committee

(2) Chairman - Departmental Computer Use Committee

(3) Advisor, ACS Student Affiliate Chapter

(4) Member of Departmental Graduate Recruitment and Selection Committee.
(c) ROY D. CATON

(1) Directed Chem 121-122 Program; member of various department committees and University Student Standards Committee; participated in joint APS/UNM workshop (as an invited discussant); participated in student orientation sessions (held at Student Union) in August 1979.

(d) WILLIAM F. COLEMAN

(1) Departmental Committees: Chair — Undergraduate Career Advisement Affairs Committee.
(2) Member — Senate Executive Committee, Basic Skills Review Committee, UNM/Albuquerque School Liaison Committee.

(1) Recruiting Activities: Presented UNM Ambassadors' Program at Santa Fe, Los Alamos, and the Albuquerque Academy. Gave talks at Rotary Clubs in Santa Fe and Los Alamos and a radio interview in Los Alamos.
(2) Participated in Parents' Day, Senior Day, and Student Leader programs.

(e) GUIDO H. DAUB

(1) Chairman, Department of Chemistry, Member of Arts and Sciences Dean Search Committee, Member (ex-officio) of several Chemistry Department Committees.

(f) RICHARD W. HOLDER

(1) UNM Curricula Committee; A&S Committee on Academic Policy and Curriculum

(g) ULRICH HOLLSTEIN

(1) Member, Research Policy Committee; Member, Subcommittee on Research Administration; Member, Departmental Equipment Committee; Chairman, Departmental Sabbatical Committee; Member A&S Promotion Committee; Chairman, Department Space Committee; Member Department Search (new chairman Committee

(h) THOMAS E. JONES

(1) University Library Committee

(i) MILTON KAHN

(1) Member of several Departmental Committees

(j) WILLIAM F. LITCHMAN

(1) Faculty Ethics and Advisory Committee (University)
(2) Departmental Committees
(k) MIRIAM MALM

(1) Chairman of Public Relations Committee, Chemistry Department; Member of Tenure Committee, Chemistry Department

(1) DONALD R. McLAUGHLIN

(1) Ph.D. Committee Member for Fred Gunnerson, Nuclear Engineering and for Leon Chandler, Mathematics.

(2) Department representative for Senior Day, Nov 3, 1979

(m) CARY J. MORROW

(1) A&S Graduate Committee; Science and Sandia Colloquia Committees; Chairman of Chemistry Graduate Studies Committee; Advisor.

(n) THOMAS M. NIEMCZYK

(1) Member of the Student Affairs and Extracurricular Activities Committee.

(o) ROBERT T. PAINE

(1) Assistant Chairman, Chemistry Department

(2) Research Allocation Committee

(o) SU-MOON PARK

(1) Undergraduate Curriculum & Honors Committee (Chairman), Graduate Selection & Recruitment Committee, and Space Committee of Chemistry Dept.

(p) ROBERT E. TAPSCOTT

(1) Member of 12 committees on Studies (Chairman of 4), Chairman Search Committee, Sabbatical Committee, Graduate Studies Committee, Library Committee.

(q) DAVID L. VANDERJAGT

(1) BRSG-SURP Committee (Main Campus)

(r) EDWARD A. WALTERS

(1) Faculty Advisor to four graduate students and one postdoctoral fellow; dissertation committee of five other graduate students; Graduate Student Selection and Recruitment Committee (Chairman); Dept. Planning Committee; Dept. Chairman Search Committee.

9. Public Service

(a) FRITZ S. ALLEN

(1) President Corrales Civic Association
(b) ROY D. CATON

(1) Councillor for University Heights Neighborhood Association

(c) WILLIAM F. COLEMAN

(1) Member of Advisory Council - Albuquerque Public Schools Career Enrichment Center (CEC)

(2) Present talks on Careers in Chemistry & Lasers in Chemistry at CEC and Manzano High School

(d) WILLIAM M. LITCHMAN

(1) Many

(e) DONALD R. McLAUGHLIN

(1) Scoutmaster, Troup 740

(e) CARY J. MORROW

(1) Sponsor for Bluebirds Troop

(f) DAVID L. VANDERJAGT

(1) Sigma Xi Lecture, NUM/SOM, Nov 28 - Environmental Chemicals: Problems/Challenges.

(f) EDWARD E. WALTERS

(1) Member, St. Lukes Lutheran Church; Member of Board of Lutheran Campus Council of Albuquerque

10. Personal Information

(a) GUIDO H. DAUB

(1) Son, Guido William Daub, completed first year as Assistant Professor of Chemistry at Harvey Mudd College, Claremont, California.

(b) MILTON KAHN

(1) Wife deceased

(c) DONALD R. McLAUGHLIN

(1) Bonnie Jean McLaughlin, born 25 September 1978

(d) ROBERT T. PAINE

(1) Daughter born May 20.

(e) EDWARD A. WALTERS

(1) Adoption of Elaine Mee Sun Walters formalized, work begun on her naturalization.
I. Program Achievements

A. The Department Curriculum Committee, co-chaired by Drs. Hood and Butt, continued its review of our course offerings and several changes were made this year. The committee also continued discussion of our comprehensive examination policy and format. Two graduate students participated in curriculum meetings and served as liaison with the student organization. Curriculum changes that have been made this year are as follows:

1. Course changes

   a. Change in title of Course No. 320 from Acoustics to Acoustics and Perception of Speech.

   b. Change in number of course from 438L to 526L.

   c. Change in number of course from 538 to 432.

   d. Change in number of course from 452 to 537.

   e. Change in title of Course No. 426 from Manual Communication to Beginning Sign Language.


   g. Change in title of Course No. 558 from Field Study to Clinical Field Study.

2. Requests for new courses

   a. 431L: Development of Speech and Language Laboratory

   b. 433: Advanced Sign Language

   c. 437L: Stuttering Laboratory

   d. 525: Seminar in Voice Disorders

   e. 559: Research Field Study
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. Drs. Hood and Blanchard, 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 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 arranged to place students at rehabilitation facilities in Texas and California, the Mailman Child Study Center in Miami, Florida, the University of Colorado in Boulder, Colorado, and the John F. Kennedy Center in Denver, Colorado. 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 Patti Elledge-Damico.
2. Dr. Westby taught Communicative Disorders 536: Seminar in Language and Learning Disabilities.

3. The special diagnostic playroom in our North Campus Communicative Disorders Unit is used by PFC personnel in evaluating cognitive development in young children, many of whom are provided treatment through our programs. PFC personnel also use the small diagnosis-treatment rooms for evaluating many of their children.

F. Research activities for 1979-80 are summarized below:

1. One of our graduate students, Ruth Dismuke, has obtained a grant 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 project is being supervised by Mary Bolton, M.A., and Lloyd Lamb, Ph.D.

2. Several faculty members including Blanchard, Hood, Lamb, Riensche and Wilcox 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 conducting an investigation of auditory function in healthy elderly persons as part of a large medical research project being conducted at the UNM School of Medicine. An application for grant support for this project is being prepared for submission to one of the National Institutes of Health.
Other faculty members involved in on-going research are Drs. Butt and Blanchard and Mary Bolton.

G. Application was made in October, 1978, to the American Boards of Examiners in Speech Pathology and Audiology (ABESPA) for re-accreditation of our master's degree program in speech-language pathology. The application also covered our audiology program although our audiology accreditation extended through 1981. Our department received a site visit by ABESPA representatives in October, 1979, and was granted accreditation for both programs effective April 1, 1980. The site visit report, which has been distributed to the University administration, was praiseful of almost all aspects of the Department except our physical facilities and equipment.

H. Our graduate enrollment in speech-language pathology and audiology in 1979-80 totaled 39. Sixteen students received master's degrees. Twenty-three new graduate students joined the Department this year, 18 in speech-language pathology and five in audiology.

I. This year we continued our efforts to recruit minority students for Communicative Disorders. In April, Dr. Riensche attended the Third Annual Health Careers Day at the Laguna Indian Pueblo to talk with prospective students. In May, Drs. Riensche and Lamb spoke to prospective students at the Careers Day sponsored by Afro-American Studies at UNM. We also revised our brochure which will be mailed to prospective students and to other universities and will be distributed at professional meetings.

J. 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. Thus far we have been unsuccessful but we plan to continue trying.
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 1979-80, an increase of $38,000 (81 percent) over last year. The grant includes complete salary support for Judy Williams and Jan Loeppky, clinical supervisors, as well as support for a secretary and partial support for Lloyd Lamb, Professor and Chairman. 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 grant became effective June 1, 1979. Next years grant has also been approved at $85,000.

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 ($2,000) to cover hearing test services provided at BCMC. This contract has been increased to $3,000 for next year.

Partial or total support was provided under various contracts or grants for the following Communicative Disorders personnel:

A. Lloyd Lamb, Professor and Chairman

B. Judy Williams, M.A., Clinical Supervisor, Speech Pathology, (100 percent)

C. Jan Loeppky, M.A., Clinical Supervisor, Audiology (100 percent)
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.A., who joined the faculty in December, 1978, as part-time supervisor in speech-language pathology, will be increased to full-time effective July 1, 1980.

3. Curtis Weiss, Ph.D., who was given a one year terminal appointment for 1979-80, resigned effective December 31, 1979.

IV. Plans for 1980-81

During the coming year we will continue working to improve all existing programs in the department. In addition, we plan to introduce new programs or give new emphasis to certain activities. Among our plans for 1979-80 are the following:

A. We will continue working toward an on-going continuing education program. We are reviewing proposed continuing education requirements of the American Speech and Hearing Association and plan to seek ASHA approval for our continuing education activities.

B. We are working toward on-going research programs in basic science and clinical areas. A grant application is being prepared for submission to NIH for support of a project to investigate hearing in the elderly. A number of other research projects also are under way as described above.

C. We plan to re-apply in September, 1980, for a federal grant to support our early identification - early language intervention program. In the mean time, we will continue development of this program using existing resources and focusing on populations at BCMC and Programs for Children.
D. We will continue seeking input from outside sources, such as Albuquerque Public Schools personnel, to determine areas of weakness in our students and/or ways in which we might better prepare our students for various employment situations.

V. Composite of Information Requested on Individual Biographical Supplements

A. Sumner L. Blanchard

1. (a) Attended 5th Annual Voice Institute at Baylor College of Medicine, Houston.


5. (a) "Laryngeal and Vocal Trauma Secondary to Intratracheal Intubation" research project in progress.

(b) "Deficiencies in Pre- and Post-Operative Counselling of Laryngectomee Patients" research project in progress.

6. (a) Attended American Speech/Language Hearing Association annual convention.

(b) Presented paper at New Mexico Speech/Language/Hearing Assn. convention.

7. (a) Consultant to Tierra Amarilla School District

8. (a) Coordinator of Clinical Services, Dept. of Communicative Disorders

(b) Faculty advisor

B. Richard B. Hood


5. (a) In progress: Writing computer program for advanced hearing testing.

(b) Hearing in healthy senior citizens - a 5-year longitudinal study. With Drs. Lamb & Riensche.
6. (a) Submitted to 1980 convention of the American Speech/Language and Hearing Association as a scientific exhibit: Computerized Audiometric Programmable Simulator (CAPS). With Harry Zimmerman.

(b) Completed 3-year term on Committee on Aural Rehabilitation

(c) American Speech/Language & Hearing Association - Member

(d) Attended American Speech/Language & Hearing Association annual convention.

(e) Attended N.M. Speech and Hearing Association meeting

7. (a) Albuquerque SERTOMA club - luncheon speech on education of deaf children

(b) Consultant with Navajo Forest Products Industries on hearing conservation.

8. (a) Senate Ad Hoc Committee on Curriculum Problems of the Handicapped

(b) Arts and Sciences Promotion Committee

(c) Chair two department committees

(d) Faculty advisor

C. Lloyd E. Lamb

6. (a) Attended American Society of Allied Health Professions Institute on Administration of Allied Health Education Programs, St. Louis, April, 1980.

(b) Attended American Speech-Language and Hearing Association convention, Atlanta, November, 1980.

(c) Attended meeting of Council of Directors of Graduate Programs in Speech-Language Pathology and Audiology, St. Louis, May, 1980.

7. (a) Site Visitor, American Boards of Examiners in Speech-Language Pathology and Audiology (Education and Training Board)

(b) Field Reader, Training Grants, Bureau of Education for the Handicapped (U.S.O.E.)

(c) Participated in "Signs of Christmas" December, 1979 and "Sign Fest," April, 1980, both of which were performed as benefits for the Department of Communicative Disorders.
(d) Member, Task Force on Certification Requirements, N.M. Educational Standards Commission.

8. (a) Chairman, Dept. of Communicative Disorders

(b) Director of Communicative Disorders Unit

(c) Co-Director, UNM Hospital Center for ENT and Communication Disorders

(d) Project Director, BEH Training Grant ($85,000)

D. Linda L. Riensche


5. (a) "The Effects of Time Altered Speech Stimuli Upon the Comprehension of Aphasics." Master's thesis by A. Wohlert under Riensche's direction.

(b) "Central Auditory Function Within a Juvenile Deliquient Population." Master's thesis by J. Pratt under Riensche's direction.

(c) "Ear Laterlization for Time Compressed Rhymed Word Sequences: Primary and Recency Effects." Completed master's thesis by J. Patterson currently being prepared for publication.

(d) "Children's Discriminative and Sequential Performance on Time Compressed Rhyme Sequences." Project by C. Cravens and C. Stahl under Riensche's direction.

(e) "Ear Laterality Effects for Time Compressed Rhyme Sequences." Riensche and D. Beasley. A manuscript is currently being prepared for publication purposes.


8. (a) University Speakers Bureau
   (b) Research Allocations Committee
   (c) University Outreach Programs
   (d) Arts and Sciences Graduate Committee
   (e) Chairperson, Research Committee (Dept. of Communicative Disorders)
   (f) Curriculum Committee (Dept.)
   (g) Recruiting Committee (Dept.)
   (h) Research Field Study Development Committee (Dept.)
   (i) Liaison to the University Library

E. Phyllis Wilcox

2. (a) Minimal Language Skills Workshop, Tucson.

5. (a) Adaptation for use with deaf students - Dr. Douglas Muller's Self Descriptive Inventory.
   (b) Myers-Briggs Type Indicator research. Personality types of sign language students.

6. (a) Secretary, New Mexico Registry of Interpreters for the Deaf. Helped obtain grant of $7,000 to NMRID in December, 1979.
   (b) Paper presented at Intramural and Recreational Convention in El Paso.

7. (a) "Linguistics of American Sign Language" lecture to DVR personnel in Santa Fe.
   (b) "Use of Interpreters for the Deaf" presentation to Heights Lions Club, Albuquerque.
   (c) N.M.R.I.D. lecture presentation to DVR Ad Hoc Committee
   (d) "Sign Fest" Advanced Sign Language class and Communicative Disorders, Kimo Theatre, Albuquerque.

8. (a) First Student Service Award
   (b) Presidential Recognition Award
9. (a) 1979 Jefferson Award sponsored by KOAT-TV

(b) Currently working with Representative Brad Cates to submit new bill dealing with teletypewriters/deaf.

(c) P.L. 369 - Helped write and pass bill which will provide for interpreters in court.
I. General Departmental Information.

The Department of Economics experienced a significant increase in enrollment during both the fall semester of 1979 and the spring semester of 1980. As indicated in Table 1 enrollment increased 12.6 percent in the spring semester of 1979 over the enrollment in the spring semester of 1978 and enrollment increased 17.0 percent in the fall semester of 1980 over the enrollment in the fall semester of 1979. (The Dean's office indicated an increase of 19.04 percent in the spring semester of 1980. The reason for the discrepancy between the data recorded in Table 1 and that reported by the Dean's office is unclear at this time.) This increase in enrollment was experienced at the lower division, upper division, and graduate level as indicated in Table 1. A further reflection of the growth in enrollment is seen in the number of students who have declared a major in economics. A total of 141 undergraduate majors was reported at the beginning of the spring semester of 1980. A total of 106 majors was reported at the same date last year.

Enrollment in introductory courses (Econ 101, 200, and 201) increased 10.6 percent and 12.0 percent in the fall and spring semesters respectively of the 1979-80 academic year. These courses continue to be taught by senior faculty
### Table 1

**ECONOMICS DEPARTMENT ENROLLMENT FIGURES (STUDENT ENROLLMENT)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall 1976-77</th>
<th>Fall 1977-78</th>
<th>Fall 1978-79</th>
<th>Fall 1979-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 100</td>
<td>241</td>
<td>269</td>
<td>228</td>
<td>196</td>
</tr>
<tr>
<td>ECON 200</td>
<td>572</td>
<td>755</td>
<td>690</td>
<td>816</td>
</tr>
<tr>
<td>ECON 201</td>
<td>304</td>
<td>435</td>
<td>480</td>
<td>549</td>
</tr>
<tr>
<td>Total 100 and 200 level Courses</td>
<td>1117</td>
<td>1459</td>
<td>1412</td>
<td>1624</td>
</tr>
<tr>
<td>ECON 300</td>
<td>189</td>
<td>222</td>
<td>236</td>
<td>265</td>
</tr>
<tr>
<td>ECON 303</td>
<td>86</td>
<td>81</td>
<td>90</td>
<td>109</td>
</tr>
<tr>
<td>ECON 315</td>
<td>126</td>
<td>154</td>
<td>229</td>
<td>221</td>
</tr>
<tr>
<td>Other 300+ and 400 level Courses</td>
<td>289</td>
<td>331</td>
<td>365</td>
<td>405</td>
</tr>
<tr>
<td>ECON 500-699</td>
<td>74</td>
<td>39</td>
<td>50</td>
<td>77</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1881</td>
<td>2286</td>
<td>2382</td>
<td>2681</td>
</tr>
<tr>
<td>ECON 100</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>(1) 53</td>
</tr>
<tr>
<td>ECON 200</td>
<td>234</td>
<td>120</td>
<td>124</td>
<td>173</td>
</tr>
<tr>
<td>ECON 201</td>
<td>537</td>
<td>657</td>
<td>737</td>
<td>807</td>
</tr>
<tr>
<td>Total 100 and 200 level Courses</td>
<td>1206</td>
<td>1196</td>
<td>1351</td>
<td>1566</td>
</tr>
<tr>
<td>ECON 300</td>
<td>178</td>
<td>197</td>
<td>216</td>
<td>269</td>
</tr>
<tr>
<td>ECON 303</td>
<td>64</td>
<td>115</td>
<td>95</td>
<td>89</td>
</tr>
<tr>
<td>ECON 315</td>
<td>131</td>
<td>190</td>
<td>251</td>
<td>248</td>
</tr>
<tr>
<td>Other 300+ and 400 level Courses</td>
<td>322</td>
<td>282</td>
<td>359</td>
<td>483</td>
</tr>
<tr>
<td>ECON 500-699</td>
<td>88</td>
<td>49</td>
<td>64</td>
<td>78</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1990</td>
<td>2030</td>
<td>2336</td>
<td>2733</td>
</tr>
</tbody>
</table>

* 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.
who have demonstrated an ability to teach large classes: in addition, laboratory sections of about 25 to 35 each are taught by teaching assistants who work under the direct supervision of the responsible faculty member.

Enrollment in the department's graduate program also increased significantly during the 1979-80 academic year. (See Table 2). This increase was largely the result of the use of release time money to fund additional teaching and project (or research) assistants. Thus the success of a number of members of the department in obtaining sponsored research made it possible for us to provide financial support for twenty (20) graduate students. Only seven (7) of these students were supported by funds provided in the regular department budget. It should be noted that the department requires a minimum of thirteen (13) teaching assistants to cover the labs for introductory level economics courses.

The rising enrollments in both the undergraduate and graduate programs, together with the uncertainties associated with the funding of sponsored research projects has resulted in a serious conflict within the program. The conflict is between using funds available from release time to provide financial support for graduate students and using those same funds to provide faculty (visiting faculty) required if we are to avoid
Table 2

GRADUATE STUDENT
ENROLLMENT

<table>
<thead>
<tr>
<th>FALL</th>
<th>ENROLLMENT</th>
<th>SPRING</th>
<th>ENROLLMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1974</td>
<td>50</td>
<td>1975</td>
<td>51</td>
</tr>
<tr>
<td>1975</td>
<td>62</td>
<td>1976</td>
<td>59</td>
</tr>
<tr>
<td>1976</td>
<td>49</td>
<td>1977</td>
<td>42</td>
</tr>
<tr>
<td>1977</td>
<td>35</td>
<td>1978</td>
<td>37</td>
</tr>
<tr>
<td>1978</td>
<td>37</td>
<td>1979</td>
<td>41</td>
</tr>
<tr>
<td>1979</td>
<td>50</td>
<td>1980</td>
<td>51</td>
</tr>
</tbody>
</table>
cancelling badly needed undergraduate courses. A satisfactory solution to this conflict is important to the maintenance of a quality undergraduate and graduate program.

No changes were made in the department faculty during the 1979-80 academic year. An effort was made to recruit a new Ph.D. with a specialty in macro-economic theory. Offers were made to three strong candidates (at Northwestern, Vanderbilt and Purdue), but in each case the offer was refused.

A joint resolution concerning the New Mexico Business has been passed by the faculty of the Department of Economics and the Anderson Schools of Management and approved by appropriate administrative officers. The resolution calls for the creation of the New Mexico Review of Business and Economics as a successor publication to the New Mexico Business. The new publication will be co-edited by Professor Roger Norton of the Department of Economics and Professor William Peters of the Anderson Schools of Management. Student co-editors will be appointed at a later date. The Economics Department believes this is a unique opportunity and an important challenge to be involved in the development of this publication. We believe that it will provide our graduate students with an opportunity and an incentive to develop their writing skills while preparing papers dealing
with important state and regional issues.

A second new program initiated by the Department of Economics with the cooperation of Mountain States Telephone and Telegraph Company, provides an opportunity for economics graduate students to obtain practical on the job experience in the public utility industry. The first student to go to work under this Mountain Bell Intern Program is Ms. Elvira Aragon. Ms. Aragon will spend the summer working in the Mountain Bell Rate Division on a special project while enrolled in a problems course in the Department of Economics. We hope that this project will continue with one or two graduate students participating each academic year.

A significant remodeling project was approved and the work initiated during the spring semester of the 1979-80 academic year. This project involves remodeling work on both floors of the Economics - Sociology building at 1915 Roma N.E. Upon completion of this work it will be possible to house all of the economics faculty in one building, 1915 Roma N.E. For the past several years it has been necessary to house Economics Department personnel in three different buildings (1915 Roma N.E., 1816 Las Lomas N.E., and Onate Hall). In addition to new office space being made available, the remodeling will result in the construction of a new joint use Economics - Sociology statistics lab. It is to be
emphasized that the remodeling currently under way is designed to make more efficient use of available space in the building, it does not obviate the need for the planned expansion to 1915 Roma N.E. Both the Economics and Sociology Departments feel that the existing structure will not meet the future needs of their expanding programs.

Members of the Department continue to be active in research, publication and related professional activity. More than 50 articles and reports have been published during 1979: these include articles in fields of natural resources, public finance, economics of the environment, laws and economics, industrial organization and economic theory. Fourteen papers were presented at professional meetings and two books were published (or submitted for publication) during 1979. The amount of sponsored research remained at a high level as summarized in Table 3. A total of 18 projects provided more than $573,492 in financial support for research during the 1979-80 academic year. Finally, department members continue to be involved in local affairs through appearances on TV and presentations and discussions at local meetings.
<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Project Title</th>
<th>Grant Amount*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shaul Ben-David</td>
<td>Methods Development for Assessing Trade-offs in Environmental Management</td>
<td>$190,277</td>
</tr>
<tr>
<td>&quot; &quot;</td>
<td>Assessment of Environmental Damage from in situ Processing of Fossil Fuel</td>
<td>16,518</td>
</tr>
<tr>
<td>&quot; &quot;</td>
<td>Contract Assistance to LASL on Passive Solar Economics</td>
<td>21,000</td>
</tr>
<tr>
<td>&quot; &quot;</td>
<td>High Plains Regional Study-COM</td>
<td>59,640</td>
</tr>
<tr>
<td>&quot; &quot;</td>
<td>Economic &amp; Environmental Policy Analysis of Hazardous Materials</td>
<td>32,520</td>
</tr>
<tr>
<td>&quot; &quot;</td>
<td>Valuing Visibility Benefits in National Parklands</td>
<td>28,895</td>
</tr>
<tr>
<td>&quot; &quot;</td>
<td>Methods Development for Assessing the Value of Hazards Information</td>
<td>32,669</td>
</tr>
<tr>
<td>&quot; &quot;</td>
<td>Passive Solar Economics and Market Analysis</td>
<td>36,950</td>
</tr>
<tr>
<td>S. Ben-David, L. Brown, R. Llevano &amp; J. Holmlund</td>
<td>Energy Management System - Phase II</td>
<td>103,868</td>
</tr>
<tr>
<td>Gerald Boyle</td>
<td>Finance - Governor's Council of Economic Advisors</td>
<td>7,500</td>
</tr>
<tr>
<td>&quot; &quot;</td>
<td>Medicaid Study</td>
<td>19,000</td>
</tr>
<tr>
<td>H. S. Burness</td>
<td>Water Management Strategies in Arid Regions</td>
<td>143,428</td>
</tr>
<tr>
<td>Albert Church</td>
<td>The Economic Effects of Nominal and Effective State and Federal Tax Structures on Exploitation of Non-Renewable Resources</td>
<td>124,400</td>
</tr>
<tr>
<td>Alfred L. Parker</td>
<td>Energy Development and High Quality Recreation in the West</td>
<td>20,000</td>
</tr>
<tr>
<td>&quot; &quot;</td>
<td>Liquor License Study</td>
<td>21,999</td>
</tr>
</tbody>
</table>

* Amounts shown are for entire grant period; 1979-90 fiscal year amount: $573,492
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.

   Boyle, Gerald
   Sabbatical, spring semester 1980

   Jonas, Paul
   Sabbatical, spring semester 1980

   Johnson, Ron
   Leave of absence, spring semester 1980

   Gregory, Peter
   Travel to Brazil (Oct. 1979) and Mexico (Summer, 1979)

3. New scholastic honors, fellowships, etc.

   Jonas, Paul
   Fulbright-ffays Award to lecture and do research in Senegal.

4. Publications during the period.

   Ben-David, Shaul, Professor


4. Publication (continued)

   Ben-David, Shaul, Professor
   "Study of the Ethical Foundations of Benefit-Cost Analysis Techniques," The University of New Mexico, Department of Economics, Resource Economics Program, working paper, 137 pages, August 1979 (with Allen V. Kneese; William D. Schulze).


   Boyle, Gerald, Professor


   Burness, H. Stuart, Associate Professor
   "Geothermal Energy Resources: Technology & Economics Relevant for Other Systems", Journal of IAEE.


Publication (continued)

Burness, H. Stuart, Professor


Chung, Pham, Professor


Church, Albert H., Associate Professor


Cohen, Sanford, Professor


Publication (continued)

Cummings, Ronald, Professor


(3) "Economic Analyses at Early Stages of Technology Development" (with W. D. Schulze), Resources and Energy, forthcoming, 1979.


(7) "Investments for Municipal Infrastructure in Energy-Impacted Communities", (with C. Aranda), Proceedings of the Conference on Coal Models and Their Use in Government Planning, (Carnax, CA, July 16-17, 1979), published by the Jet Propulsion Laboratory and the California Institute of Technology, 1979.


4. Publication (continued)

Gissler, Michá, Professor


Gregory, Peter, Professor


Hamilton, David, Professor


Johnson, Ronald N., Assistant Professor


The Navajo and too Many Sheep: Persistent Overgrazing on the Navajo Reservation" with Gary D. Libecap, Paper accepted for publication in Environmental Costs of Bureaucratic Government, to be published by New York University Press.

Jonas, Paul, Professor


Norton, Roger, Professor


Parker, Alfred L., Professor


"The Impact of Energy Development on Fish and Wildlife", Co-author Jim Goss, Professor Biology, UWM, 228 page manuscript currently under review by the U.S. Fish and Wildlife Service.

5. Other research projects or creative work in progress or completed during period.

Ben-David, Shaul, Professor


5. Other research projects (continued)

Ben-David, Shaul, Professor

1977 - 1979: Co-Principal Investigator, NSF, "The Ethical & Value Foundation of Benefit Cost Analysis", $50,000


Boyle, Gerald, Professor

10/1/79-9/30/80 N.M. Human Services Department (1 research assistant) $19,000

Burness, H. Stuart, Associate Professor


NSF Grant for $143,000-- Water Management Strategies in Arid Regions.

Chung, Pham, Professor

"A Note on the Constancy of Factor Shares and a Steady State Behavior" under review.

"The Attitude of Taxpayers Toward Taxes in Recent Elections: A Diagrammatic Exposition," under review.


"An Explanation of the Constancy of Factor Shares in West Germany," in progress.
5. Other research projects (continued)

Church, Albert M., Associate Professor
NSF Grant, "The Economic Effects of Nominal and Effect State and Federal Tax Structures on the Exploitation in Non-Renewable Resources", $124,000.

Cummings, Ronald, Professor
NSF, "Water Management in the Colorado River Basin", $110,000.
Los Alamos National Laboratory, "Extension of HDR Geothermal Analysis", $10,000.


5. Other research projects (continued)

Cummings, Ronald, Professor


Gregory, Peter, Professor

"Legal Minimum Wages as an Instrument of Social Policy in Less Developed Countries, with Special Reference to Costa Rica," presented at the American Enterprise Institute for Public Policy Research Conference on Legal Minimum Wages, Nov. 1-2, 1979; this paper will be published in a volume containing the papers presented at the Conference.


Hamilton, David, Professor

Reviewing THE WORLD OF GOODS by Mary Douglas (for 1980) SOCIAL SCIENCE JOURNAL.

Doing article on the place of the economics of C.E. Ayres for the AMERICAN JOURNAL OF ECONOMICS AND SOCIOLOGY (This is an article solicited from me in 1979).
5. Other research projects (continued)

Johnson, Ronald N., Assistant Professor


Jonas, Paul, Professor

Seminar in Native American Indian Economic Development (with Native American Studies)


Parker, Alfred L., Professor

"Energy Development and High Quality Recreation in the West". Sept. 1978-Sept. 1979, sponsored by LAEL ($20,000)

Tailby, Donald G., Associate Professor


6. Activities in learned and professional societies.

Ben-David, Shaul, Professor


Burness, H. Stuart, Associate Professor

Papers presented at: (a) California Institute of Technology.
(b) Jackson, Wyoming.

Church, Albert M., Associate Professor


Cummings, Ronald, Professor

Presented papers:
(1) "Coal Models and Their Use in Government Planning", Jet Propulsion Laboratory-Calif. Institute of Technology, Carmel, CA.


(5) "Is The EPA a Useful Concept?" sponsored by the U. S. Department of the Interior and University of Houston, Houston, TX, January 29, 1979.
6. Activities (continued)

**Gregory, Peter, Professor**


**Hamilton, David, Professor**


**Vice President of Association for Institutional Thought**

**Program Chairman for Economics Section, WSSA.**

**Jonas, Paul, Professor**


**Norton, Roger, Professor**


7. Other professional activities. (continued)

**Gregory, Peter, Professor**

Consultant to the World Bank on labor markets and employment problems in developing countries.

**Jonas, Paul, Professor**


**Parker, Alfred L., Professor**

Testimony expert witness for N.M. Dept. of Taxation and Revenue in hearings concerning franchise operations in the state of New Mexico.

Testimony as expert witness for the Jicarilla Apache Tribe in Santa Fe and Albuquerque Federal District Courts in matters concerning the development and value of production from natural gas leases and related antitrust questions in the oil and gas industry.

**Tailby, Donald, Associate Professor**

Consultant - General Atomic Company

Labor availability in the Grants Mineral Belt

8. Non-teaching University service.

**Ben-David, Shaul, Professor**

Chairman - Computer Use Committee

**Chung, Pham, Professor**

Chairman: M.A. and Ph.D. Macro Committee; Ph.D. dissertation supervisor.

**Cohen, Sanford, Professor**

A&S Graduate Committee, American Studies Fac. Committee, Economics Department Graduate Program.

**Cummings, Ronald G., Professor**


2. U.S. Environmental Protection Agency, economic damages from suspended particulates.
8. Non-teaching University service. (continued)

Cummings, Ronald G., Professor
1. College (A&S) Promotion Committee
2. Coordinator, Department Resource Econ. Program.
3. Faculty Advisor: 5 Ph.D. students
4. Thesis Advisor: 4 Ph.D. students

Hamilton, David, Professor
Member of Athletic Council
Member and Chair of Academic Freedom and Tenure Committee
Member of Faculty Senate and of Operations Committee of senate.

Jonas, Paul, Professor
Advisory committee for the Dean of Arts and Sciences

Parker, Alfred L., Professor
Member, A&S Committee on Graduate Studies,
Member, Public Administration Division Advisory Committee,
Member, Bureau of Business & Economic Research Advisory Board.
Member, FOR-UNM (Economic Forecast for N.M.) Advisory Board.
Chairman, Department of Economics (July 1, 1979)


Ben-David, Shaul, Professor
Member Board of Trustees of Congression B'nai Israel and
Chairman of the Education Committee; Member of Adult Com-
mittee of B'nai Brith Young Organization.

Byrne, Gerald, Professor
Appointed Chairman, Governors Council of Economics
Advisors, April, 1979.

Burness, H. Stuart, Associate Professor
Involvement with Corrales Community Library.

Church, Albert M., Associate Professor
Vice President of the Board - Albuquerque Dance Theatre.

Cohen, Sanford, Professor
Board of Directors, Bernalillo County Planned Parenthood FED.

9. Public service (continued)

Gregory, Peter, Professor
Board of Directors, Albuquerque Opera Theatre.

Hamilton, David, Professor
Member of the State Labor and Industrial Commission
Member of Educational Advisory Bd., Consumers Union;
Member of Ethics and Campaign Practices Board, City
of Albuquerque.

The following popular articles were published in the
NEW MEXICO INDEPENDENT. No claim is made for their
scholarly merit. They are simply listed to avoid
being accused of hiding this non-scholarly output.

"No one who caters to ignorance (Gov. Brownout)
should be elected", Feb 9, 1979

"Salaries at UNM fall in middle of range of mountain
state schools", Mar 16, 1979

"Statistics can be dangerous to your health: more on
mythology", Mar 23, 1979

"Just wait--those low air fares will disappear in
private schemes", April 13, 1979

"Explaining inflation: remember a price is income to
someone else", April 27, 1979

"Nayakawa's outrageous remarks actually contain some
'smell', June 22, 1979

"History of oil economics has profound influence on
country", Aug 24, 1979

"Don't worry, Chrysler will be saved--it's a welfare
state now", Sept 7, 1979
I. GENERAL INFORMATION

A. Honors. Members of the English Department received a number of important honors from the outside community in 1979-80. Rudolfo Anaya and Simon Ortiz attended a Presidential Reception for American Writers at the White House; both read selections from their work. Rudy published his third novel, Tortuga, and received a Creative Writing Fellowship from the National Endowment for the Arts. Bill Dowling has been a fellow at the National Humanities Center in North Carolina for the past year. No fewer than four members of the department have been named Fulbright lecturers for all or part of the coming academic year. Jeff Buckels (Yugoslavia), Ham Hill (Germany), Tony Marquez (Colombia) and Peter White (Poland). David Johnson and Marta Weigle continued to work on their Exxon Educational Foundation Grant for "Mythology of the Americas," and Marta also received a National Endowment for the Humanities grant to study "Governmental Support of the Arts in New Mexico, 1933-1943." Leslie Silko continued to work on her NEH grant for the Laguna Film Project.

B. Personnel. The Department has been weakened by the resignation of Ellen Spolsky, the anticipated resignation of Leslie Silko, and the termination of Robert Creeley's visiting appointments. But we have been strengthened by the permanent appointment of Barry Gaines as associate professor specializing in the literature of Renaissance England. Barry Gaines received his Ph.D. from the University of Wisconsin; and taught nine years at the University of Tennessee, where he received the annual university-wide award for excellence in teaching. He is associate editor
of Shakespeare Studies, which will henceforth be published at UNM. Meanwhile, Blake: An Illustrated Quarterly continues to be published here, and its editor, Morris Eaves, is welcomed home from his year as Visiting Professor at Tulane University. The new Director of the Undergraduate Honors Program, Dr. Robert Evans, is Visiting Professor of English, and has been teaching undergraduate courses in our curriculum. Professor Helen Vendler of Boston University was our Distinguished Presidential Scholar in Residence in the fall. She taught a graduate workshop on "The Odes of John Keats" and lectured on Wallace Stevens. Rudy Anaya was awarded tenure and promotion to the rank of Associate Professor, effective next fall. Tony Marquez and Peter White were renewed for second three-year term (and probationary) appointments.

C. Curriculum. Enrollment in English courses in 1979-80 was up 9-10%, with much of the increase taking place in the freshman English program. That program made major advances during the year (see report IIA below). But the most significant change in our curriculum this year was probably the massive revision of the undergraduate program designed by Bob Fleming, Paul Davis, and Peter White, and approved by the Department in the spring for implementation in 1981 (see report IID below).

II. REPORTS OF STANDING COMMITTEES

A. Freshman English Program:
Director: Michael Hogan
Assistant Director: Peter Page
Freshman English Committee: Michael Hogan, Chair, Peter Page, Jean Buckels, Tim Weiss, and Joseph Zavadil

A handful of dramatic developments within the freshman English program will be singled out in this report. But, before these visible changes are described, it should be noted that in dozens of small, unobtrusive ways the program drew closer to meeting its goals: to offer a sequence of
logically related writing courses; to achieve consistency among the multiple sections of its courses; to prepare students to write capably in any subsequent college work.

Perhaps the most highly visible development in the program last year was its growth. Already the largest single instructional program at UNM, the freshman English program grew approximately 10% last year.

The pertinent figures are

- **Fall 1978**—132 sections, 3297 students, 24.2 class size
- **Spring 1979**—110 sections, 2571 students, 23.7 class size
- **Fall 1979**—148 sections, 3801 students, 25.7 class size
- **Spring 1980**—116 sections, 2918 students, 25.1 class size

While such growth almost ensures vitality in the program, the increase in average size and the lack of any increase in supervisory/administrative resources for the program are distressing.

1979-80 marked the first year of the integration of English 100 within the Basic Skills program at UNM. While increased coordination among the courses in this program is needed, several benefits also can be seen. For the first time, English 100 students regularly practiced writing in forms comparable to those used in real college writing situations, and, for the first time, many students in English 100 were given writing tasks in other Basic Skills courses that reinforced the instruction in their English class.

The CST, under the direction of Zane Taichert, underwent several necessary improvements, all aimed at making the exam more accessible and more fair to students. These improvements included more extensive training for CST graders than ever before, more carefully written exams with greater choice of topics for students than ever before, and many more test dates than in previous years.
With the steady growth in the number of students who are required to pass the CST in mind, the Freshman English Committee decided to incorporate the CST within English 102, effective Fall 1980. This will be accomplished by shifting the panel-grading procedure now used in English 101 to English 102.

Mike Hogan and Peter Page were rewarded for their good work in the freshman program by the acceptance of their textbook, *College Writing: A Workbook*, for publication by Harper and Row.

B. Creative Writing Program.

Director: Rudy Anaya
Committee: Gene Frumkin, David Johnson, Pat Smith

Student interest and enrollment continue to be high. Doris Holbrook was presented the Lena Todd Memorial Award. The American Academy of Poets prizes went to Ann Applegarth (first prize) and Christine Petersen (second prize). The new M.A. Thesis Option in Creative Writing currently has six students enrolled in it, and will have at least three more next year. The Creative Writing students published a small collection of their work and gave a public reading. More than $600 was raised for a Creative Writing Fellowship, much of it through faculty contributions. The Fellowship will be awarded to Pamela Blair in the fall, and we hope to raise even more money for 1981-82. Your donations are much appreciated.

Members of the writing faculty continue to be active in community service and publishing. Rudy Anaya's major achievements in the past year are described above. David Johnson and Gene Frumkin have shared the editing of *San Marcos Review* and the presidency of the Rio Grande Writers Association. Gene published *Loops*, a poetry chapbook, and Pat Smith published *Talking to the Land*, her first volume of poems. Gene, Rudy, and
Leslie Silko will all participate in the Fifth Annual New Mexico Writers' Workshop, which will be held at the D. H. Lawrence Ranch near Taos on August 10-16. The workshop will be funded in part by an $11,000 grant from the Witter Bynner Foundation. The evaluation of creative publications is of continuing concern to the creative writing faculty and the entire department.

C. Graduate Program.
Graduate Director: Hugh Witemeyer
Graduate Committee: James Barbour, Robert Fleming, Gene Frumkin, Barry Gaines, David Johnson, Mike Shearer

In 1979-80 five students received their doctorates in English (Linda Van Buskirk, Bradley Hayden, Meredith Machen, Ed Walkiewicz, and Linda Brodkey) and five received their Master's degrees (Linda Ramsey, Peter Chase, Wendy Jones, Lynn Goldstein, and Cindy Lewiecki). Meredith continued as Director of Developmental Programs at the Northern New Mexico Community College. Ed will be assistant professor of English at Oklahoma State University in the fall. Linda Van Buskirk hopes for a renewal of her instructorship at UCLA. Mike Moran, who graduated several years ago, will be assistant professor of English at Clemson University in the fall. Donna Rix has been appointed Assistant Professor of English at Northern Arizona University in Flagstaff. Larry Morris has a visiting appointment in freshman composition at Eastern New Mexico University. Jeff Buckels, who will finish his degree this summer, has been named a Fulbright Senior Lecturer in American literature in Yugoslavia for 1980-81, and Henry Sikorski has received a six-month extension on his Fulbright Scholarship to Poland. Eight new students entered the Ph.D. program this year, and sixteen entered the M.A. program.

In the coming fall semester, F will replace NC as the lowest possible
grade in graduate courses. And the policies governing 699 (dissertation) enrollment will undergo a change. The new Graduate Director will be Jim Barbour. Marta Field has done an admirable job as Graduate Secretary, succeeding Debbie Sackett.

D. Curriculum Committee. Committee: Bob Fleming, Paul Davis, Peter White

Recognizing the need to keep the Department abreast of the changing enrollment trends at the University, the chairman appointed a committee to examine the entire curriculum and suggest any changes that might be advisable. Paul Davis, Peter White, and Robert Fleming, after extensive consultation with departmental faculty and with Rod Young, of the Testing Division, Michael Hayes, of the Anderson School of Business, Helene Simson, of the Law School, and George Hirshfield, of Secondary Education; after reading questionnaires completed by students in all upper-division English classes; and after consulting some forty catalogues to see what other institutions were doing, presented a report outlining the following major suggestions:

1. appointment of a director of undergraduate studies
2. revision of English 102 to de-emphasize literature and emphasize writing
3. expansion of upper-level expository writing offerings
4. creation of a basic introduction to literature course at the 200 level
5. creation of several alternative forms of the English major, all consistently more explicit and challenging than the current major, tailored to meet the different needs of students who plan to go on to graduate school, to a professional school, or to secondary school teaching
6. the renumbering of graduate courses to bring their numbers in line with courses covering similar periods or bodies of material on the undergraduate level

7. the dropping of several courses, the renumbering of several others, and proposing of several new courses.

These recommendations were approved by the Department faculty for implementation in 1981.

III. OTHER DEPARTMENTAL ACTIVITIES

A. The Department sponsored the following lectures during the year:

1. September 20, Dr. Ileana Chura of the English Seminar of the University of Belgrade Yugoslavia, presented a lecture, "D. H. Lawrence's Conception of Art, Morality, and the Novel."

2. October 4, Wright Morris, one of the most distinguished living novelists, author of 18 novels, and winner of the National Book Award, presented a public lecture from his forthcoming novel, Plains Song: For Female Voices.

3. October 12, Marjorie Perloff, Florence R. Scott Professor of English at the University of Southern California, and a critic of national reputation in the field of modern poetry, presented a lecture entitled "The Performance Poetry of John Cage and David Antin."

4. January 8, Charles Tomlinson, distinguished English poet, gave a formal address, dedicating the Franklin Dickey Memorial Theater of the English Department.

5. March 12, the annual exchange lecture with Arizona State was presented by Marvin Fisher, Professor of English at Arizona State University. The lecture was entitled "The Centrality of Walt Whitman."
6. April 2, Professor Morris Freedman, formerly of the Department and now at the University of Maryland, gave a lecture on "The Current New York and London Stage."

7. May 5, Martha Vicinus, Professor of English at the University of Indiana, a nationally recognized authority in the fields of Victorian literature and women's literature, presented a lecture entitled "Helpless and Unfriended: Nineteenth Century Domestic Melodrama."

B. The Department also contributed to sponsorship of the following events:

1. November 5 and 6, jointly with the Latin American Institute, the Political Science Department, and the Graduate School Speakers Committee, Richard Koster, novelist, journalist, college professor, and 22-year resident of Panama, who gave two public lectures: "Fiction and Journalism: Thoughts From a Bifurcated Practitioner," and "Revolutionary Change in Central America: The View from Panama."

2. February 18, jointly with American Studies, Sacvan Bercovitch, Professor of English and Comparative Literature at Columbia University, gave a lecture entitled, "Melville's World: The Example of Pierre."

3. Professor James Thorson was President of the fifth annual meeting of the South Central Society for Eighteenth Century Studies that was held in Albuquerque, March 6-8. Professors William Dowling and Peter White were on the planning committee. Professor White chaired a seminar honoring Professor Leon Howard on the subject "The Connecticut Wits." He also coordinated the music for the meeting.

4. March 24 through 28, with Fine Arts, Theatre Arts, American Studies, Philosophy and Graduate School, Stanley Cavell, distinguished
philosopher, Walter M. Cabot Professor of Aesthetics and the General Theory of Value at Harvard, spent a week lecturing publicly and meeting with smaller groups.

5. Rudy Anaya organized a Chicano literary symposium April 10-11, 1980, on the campus of UNM. Six scholars of literary criticism about Chicano literature participated in the symposium. The symposium was made possible by funds from the Greater UNM Fund Allocations Committee, the UNM Department of English and Mesa Chicana, a UNM graduate student organization.

6. The D. H. Lawrence Fellow for 1980 is Thomas Sleigh. Mr. Sleigh is currently a Writing Fellow at the Fine Arts Work Center in Provincetown, Massachusetts. He holds a master's degree in the Creative Writing Program at Johns Hopkins University. He has been a poet in the schools of Wilmington, Delaware, and has taught in the Creative Writing Program in the Community College in Baltimore, Maryland. He will be writing this summer in residence at the Lawrence Ranch northwest of Taos.

7. Lori Gallagher, an advanced student in the department, has been awarded a Rotary Club Scholarship to study Irish literature at Trinity College, Dublin, Ireland.
IV. ANNUAL REPORT ON ACTIVITIES OF INDIVIDUAL FACULTY MEMBERS

2. SABBATICALS, ETC.

Rudolfo A. Anaya
-January to May, 1979 LWOP on National Chicano Council of Higher Education Fellowship; Travel and research in Europe.

Ernest W. Baughman
-Sick leave-Semester I, Fall 1979

William C. Dowling
-Fellow, National Humanities Center, Research Triangle Park, N. C. LWOP, 1979-80 academic year.

Morris Eaves
-special appointment as Visiting Assoc. Prof. of English at Tulane Univ., 1979-80

Robert Fleming

Gene Frumkin
-Went on a mini-reading tour in California, visiting San Luis Obispo, Santa Barbara, and Los Angeles, Ca.

Patrick J. Gallacher
-Sabbatical leave in England, 1978-79

David C. McPherson
-Travel, summer, 1979, including England, Scotland, Wales, Ireland, France, Switzerland, Italy, Austria and West Germany.

Patricia C. Smith
-Sabbatical, Spring semester, 1979

Harvena Richter
-Travel to Pennsylvania to bring father's manuscripts, journals, notebooks, etc. west for work-in-progress on CONRAD RICHTER ON WRITING.

Helen-Jane B. ("Zane") Taichert
-travel: Israel (March)

James L. Thorson
-Travel to Norman, Oklahoma for the annual meeting of the South Central Society for Eighteenth Century Studies, March 22-24, 1979.
2. continued

James L. Thorson
-Travel to Tempe, AZ, for research, May 14-22, 1979

Mary Martha (Marta) Weigle
-Course in Folktales at Museum of New Mexico, Santa Fe, Educational Division, spring 1979.

Mary Bess Whidden
-brief periods at Washington, D.C., and Princeton University

Peter White
- Summer research, New England, Harvard University

Hugh Witemeyer
-Travel to University of Durham in England to read paper at conference.

3. NEW SCHOLASTIC HONORS, ETC.

Rudolfo A. Anaya
- National Endowment for the Arts· Creative Writing Fellowship 1979-80. 
- The Before Columbus American Book Award for TORTUGA.

William C. Dowling
-Fellow, National Humanities Center
-book (The Boswellian Hero) nominated by Georgia University Press for Christian Gauss Award and James Russell Lowell Award.

Michael Fischer
- Faculty Research Allocations Committee Grant

Gene Frumkin

Hamlin Hill
-Charlie Chaplin Award, American Humor Studies Association; "Best History Book, 1978," Society of Midland Authors; Fulbright fellowship, University of Würzburg, Germany, for Summer, 1980.

Michael J. Hogan
- appointed to Associate Faculty Status in Linguistics.

Antonio Marquez
-Awarded Senior Fulbright-Hays Lectureship in American Literature, National University, Bogota, Colombia, for Summer 1980.

James Thorson
-Elected President of the South Central Society for Eighteenth Century Studies.
3. continued

Mary Martha (Marta) Weigle
-UNM Research Allocations Committee, Faculty Research Grant, $210.00, April 1979, for "Ethnographic Analysis of University Teaching Performances."

Peter White
-Renominated for Fulbright Senior Lectureship to Poland, 1980-81.
-Publications Grant, National Endowment for Humanities, Tompson Edition.

Hugh Witemeyer
-American Council of Learned Societies Travel Grant for trip to Ezra Pound Conference at University of Durham.

4. PUBLICATIONS

Rudolfo A. Anaya
-Interview in New America and San Francisco Review of Books

Sharon R. Barba
-7 poems, "The Writer's Page," New Mexico Independent, 9 Nov. 1979

Paul Davis
-"Signs of the Times, 1979" Scheduled for publication by NMSU

William C. Dowling
-Accepted: Language and Logos in Boswell's Life of Johnson (Princeton U.P.)
-Burke article (Modern Language Review)
-reviews in Eighteenth Century Studies, Inquiry (2), etc.

Morris Eaves
-FORTHCOMING:
Morris Eaves

- "Teaching Blake's Relief Etching" (illustrated), Blake/An Illustrated Quarterly (Winter 1979-80), 8 pp.

Michael Fischer

- "Criticizing Capitalist America," Salmagundi, 46 (Fall, 1979) 166-73.
- contribution to symposium on Christopher Lasch, The Culture of Narcissism); untitled reply to William Neal on I. A. Richards and Realism, College English, 41 (November, 1979), 349-50.

FORTHCOMING:
- "Criticism, Inc.," essay-review of Frank Kermode, The Genesis of Secrecy (Salmagundi, Spring, 1980)
- "Is Literature Still Worth Discussing?," essay-review of Wayne C. Booth, Critical Understanding (The Georgia Review)

Robert E. Fleming


Cheryl Hope Fresch


Gene Frumkin

- Book: Loops (poetry chapbook); Los Cerrillos, N.M., San Marcos Press, 1979.
- Anthologies (poetry) "Albuquerque Spleen," Foreign Exchange--A Clack
Gene Frumkin
-"The Opera," The Margarine Maypole Orangoutang Express, No. 35, unnumbered.
-Fiction: "Times Have Changed" (a section of The Frog Novel), Center #12, pp. 51-62.

Hamlin Hill
-Review, Paul Fatout, Mark Twain Speaks for Himself, The Old Northwest, 5:88-90 (Spring '79).
-Review, William MacNaughton, Mark Twain's Last Years as a Writer, American Literary Realism (forthcoming).

Michael J. Hogan
-College Writing: A Workbook (with Peter Page), Harper and Row, approx. 300 pages, to be available in November 1980.

David Johnson
-"For Mona in Spain" BLACKBERRY #10 (Summer 1979).
-"Midwest" & "North & South" NEW AMERICA V. 3, #3 (Spring 1979).
-"Middle Age," IRONWOOD 14, v. 7, #2 (Fall 1979).
-Article: "Myth and the Writer: A CONVERSATION WITH RUDOLFO ANAYA," NEW AMERICA v. 3 #3 (Spring 1979).

David R. Jones
Jane Kopp


Antonio Marquez


Review of Robinson, Cecil, Mexico and the Hispanic Southwest in American Literature, New America, X (Spring 1979), 124.

Review of Siegel, Mark, Pynchon: Creative Paranoia in Gravity's Rainbow, Rocky Mountain Review of Language and Literature, 33 (Spring 1979), 82.

Tom Mayer


Article: Comparison Rallye 235 and Maule, Aviation Consumer, spring '79.

Article: Comparison Cessna 182 and Piper Dakota, A/C summer, '79.


Article: Tax avoidance for aircraft owners, A/C spring '79.

David C. McPherson


Ivan Melada


Peter C. Page


Workbook: College Writing: Exercises in Completeness, Consistency, and Coherence (with Michael J. Hogan) accepted for publication by Harper and Row, New York, (forthcoming 1980).

Mary Power


David Remley


Article: "Black Elk as Mystic Teacher," New America, III (Spring, 1979).

Patricia C. Smith

4. continued

Patricia C. Smith

- article, "Coyote Ortiz; Canis latrans in the Poetry of Simon Ortiz." Accepted by Minority Voices. Forthcoming, 1980.

Harvena Richter


Ellen Spolsky


James L. Thorson

- Yugoslav Perspectives on American Literature, Ardis Publishers, 1979, 233 pages.
4. continued

Mary Martha (Marta) Weigle
- articles, FOLKLORE WOMEN'S COMMUNICATION, nos. 17, 18, 19 (1979)- ed. and writer of various articles.

Peter White
- review-Rocky Mountain Review: "Folksongs and Their Makers," Spring, 1979, xxxiii, 2.

Hugh Witemeyer

5. OTHER RESEARCH PROJECTS OR CREATIVE WORK IN PROGRESS, ETC.

Rudolfo A. Anaya
- Cuentos Chicanos, an issue of NEW AMERICA, edited.
- Completed research sponsored by National Chicano Council.
- CUENTOS: TALES OF THE HISPANIC SOUTHWEST, completed translation of cuentos.
- $1,000 grant to sponsor Chicano Literary Criticism Conference, grant from Greater UNM Fund.
- "Season of La Llorona" and "Rosa Linda" plays completed.

Sharon R. Barba

James F. Barbour
- "Ball Four with Epilogue" (with Bill Dowling) accepted for Myth, Popular Culture, and American Ideology to be published by UNM Press.
- Nineteenth Century Black Novelists (with Bob Fleming) accepted by Minority Voices.

Ernest W. Baughman
- In progress: cataloguing student folklore collections; stylistic qualities of Hawthorne's works. Legal and church history of Salem, Massachusetts.
5. continued

Paul Davis
- Research on Structures in Dickens' novels and on typology in Victorian fiction in progress.

William C. Dowling
- 3 long articles completed and submitted (Modern Philology, Novel, Critical Inquiry)
- book: The Logic of Literary Interpretation) completed and submitted (Georgia U.P.)
- articles on Jacques Derrida and Randall Jarrell in progress
- book on internal audience in 18th c. lit (The Epistolary Moment) in first stages, etc.

Morris Eaves
- in progress: book on Blake's artistic theory
- book on Blake's Marriage of Heaven and Hell

Michael Fischer
- "Criticism, Inc.," essay-review of Frank Kermode, The Genesis of Secrecy (Salmagundi, Spring, 1980)
- "Is Literature still Worth Discussing?," essay-review of Wayne C. Booth, Critical Understanding (The Georgia Review)

Robert Fleming
- Reviews pending at Rocky Mountain Review, Black Amer. Literature Forum, AEB.

Cheryl Hope Fresch
- Reviewer for Western Journal of Speech Communication, Fall Quarter, 1979.
- Research underway for a stylistic analysis of the Creation sequence in Paradise Lost, VII.

Gene Frumkin
- A chapbook, called Loops, was published by San Marcos Press.
- Work is nearly complete on the first draft of a new novel.
- An earlier novel, The Frog Novel, is in the mails.
- Two manuscripts of poems will go into the mails in January 1980.
- Continue as co-editor of The San Marcos Review, which has been awarded a $2,000 CCLM grant for 1980 following a $1,500 grant from the New Mexico Arts Division in 1979.
5. continued

Patrick J. Gallacher
-Research on pleasure as a motif in Fourteenth Century English Poetry. One article on this subject is presently circulating. Other articles are planned on the same topic.
-Continuing research on medieval philosophy by the literature.

Hamlin Hill

Michael Hogan
-Error Study of English 100 Writing, GUNMF grant, Spring 1979.

David Johnson

David R. Jones
-"Albee's All Over" 30 pp under consideration.
-Four Directors, Four Productions, 400 pp., under consideration.
-five plays, all directed at the Vortex Theatre, Albuquerque, NM.
  -Marat/Sade, by Peter Weiss
  -Macbeth, by Eugene Ionesco
  -Garden of Delights, by F. Arrabal
  -The Theater of Woody Allen
  -As You Like It. Shakespeare

Jane Kopp
-Grants proposals in preparation for 1) in-state seminars through National Humanities Foundation on freshman English, leading to preparation of regional-based readers, 2) oral history project on Spanish culture in New Mexico, 3) anthology of contemporary Southwestern fiction.

Antonio Marquez
-Cuentos Chicanos: An Anthology of Contemporary Chicano Fiction completed.
-"The Cinematic Imagination in Gravity's Rainbow" accepted for publication: Rocky Mountain Review of Language and Literature.
-"The American Dream in the Chicano Novel" to be authorized in Humanities in Chicano Studies.
-"Technologique in Gravity's Rainbow" accepted for publication: Research Studies (Washington State University)

Tom Mayer
-Completion of novel (forthcoming)
-Working on book about arthritis.

David C. McPherson
-While on sabbatical--research for a book "Elizabethan Drama and the Attack on the Stage." Two chapters will be on Ben Jonson.
Patrick J. Gallacher
- Research on pleasure as a motif in Fourteenth Century English Poetry. One article on this subject is presently circulating. Other articles are planned on the same topic.
- Continuing research on medieval philosophy by the literature.

Hamlin Hill

Michael Hogan
- Error Study of English 100 Writing, GUNMF grant, Spring 1979.

David Johnson

David R. Jones
- "Albee's All Over" 30 pp under consideration.
- Four Directors, Four Productions, 400 pp., under consideration.
- Five plays, all directed at the Vortex Theatre, Albuquerque, NM.
  - Marat/Sade, by Peter Weiss
  - Macbeth, by Eugene Ionesco
  - Garden of Delights, by F. Arrabal
  - The Theater of Woody Allen
  - As You Like It. Shakespeare

Jane Kopp
- Grants proposals in preparation for 1) in-state seminars through National Humanities Foundation on freshman English, leading to preparation of regional-based readers, 2) oral history project on Spanish culture in New Mexico, 3) anthology of contemporary Southwestern fiction.

Antonio Marquez
- Cuentos Chicanos: An Anthology of Contemporary Chicano Fiction completed.
- "The Cinematic Imagination in Gravity's Rainbow" accepted for publication: Rocky Mountain Review of Language and Literature.
- "The American Dream in the Chicano Novel" to be authorized in Humanities in Chicano Studies.
- "Technologique in Gravity's Rainbow" accepted for publication: Research Studies (Washington State University)

Tom Mayer
- Completion of novel (forthcoming)
- Working on book about arthritis.

David C. McPherson
- While on sabbatical--research for a book "Elizabethan Drama and the Attack on the Stage." Two chapters will be on Ben Jonson.
5. continued

Ivan Melada
The Literature of War by Andrew Rutherford, 2500 words. The reviews should appear in the Spring, Summer, and Fall, 1980 issues.
-Asked to review The Victorian Historical Novel, 1840-1880 by Andrew Sanders for Dickens Studies Newsletter.

Peter C. Page
-The error study in English 100, funded by a $600 Greater UNM Fund grant, was completed in collaboration with Michael J. Hogan.

Roy C. Pickett
-Research in the relation of literary criticism to structuralism, pragmatics, and stylistics.

Mary Power
-"Fingal" and the Irishness of Samuel Beckett" (circulating)
-book, Popular Culture in James Joyce's *Ulysses* (nearing completion)

David Remley

Patricia C. Smith
-A critical book on contemporary Native American poetry.
-With Paula Gunn Allen as co-author, "Chee Dostoevski Rides Again: Native American Literature since Nomaday." Solicited 20 pp essay for The Literary History of the American West; J. Golden Taylor, general editor. This volume is a literary history being completed under the auspices of the Western American Literature Association. Forthcoming, late 1980.

Harvena Richter
-two articles completed on Virginia Woolf, now with editors
-continuing revision on 2nd novel, third novel begun
-various essays and poetry in work--CONRAD RICHTER ON WRITING still in progress for Princeton Univ. Press.

Ellen Spolsky
-"Stalking a Generative Poetics" (co-author, Ellen Schauber)
in progress: book length ms. Literary Competence: A Generative Model w/Schauber)
-book length ms. Language Models of Literary Competence: An Interdisciplinary Reader in Linguistics, Philosophy, and Literary Theory w/Schauber)
5. continued

James L. Thorson
-The Norton Critical Edition of Tobias Smollett's *The Expedition of Humphry Clinker*, which will be completed this spring or early summer.
-A review of *The Eighteenth Century: A Current Bibliography* for *The Scribnerian* which will appear this spring.
-Arranging the program of the South Central Society for Eighteenth-Century Studies which will meet in Albuquerque on March 6-8, 1980.

Fred B. Warner
-Currently editing the war writings of the American writer A. J. Liebling.

Mary Martha (Marta) Weigle
-"Mythology of the Americas" - (with David M. Johnson, English) - work toward completion of an Exxon Education Foundation Grant ($22,000) - final work to be completed by April 1, 1980.
-"Literary New Mexico--Between the Wars: A Chronicle and Impressions, 1916-1945" a manuscript (with Kyle Fiore, American Studies) for UNM Press - first draft completed.
-Articles in press at this time:
  "Introduction" to reprint ed. of Raymond Otis, *LITTLE VALLEY*, Zia Series, University of New Mexico Press.

Mary Bess Whidden
-Internal Audiences in Sixteenth-Century Sonnet Sequences (in progress)
-Self-Consciousness and Irony in Elizabethan Mythological Narratives (completed)
-The Narrator in *Venus and Adonis* (completed)
-Form as Subversion in Spenser's *Amoretti* (one section completed)

Peter White
-$1,000 Grant from Research Allocations Committee, UNM, summer research, Harvard, for study of Puritan sermon.
-Commissioned twenty-five scholars to write essays for anthology on American Puritan Poetics, Penn State Press, 1981.

Joseph B. Zavadil
-Continuing project concerning Chaucer and Medieval Hagiography
6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

Rudolfo A. Anaya
-Vice-Chairman, Coordinating Council of Literary Magazines; attended meeting of board in Boston and Los Angeles.
-Board of La Academia Publications
-Board of La Compania de Teatro de Albuquerque
-Paper read at RMMLA and MLA
-Board member AHS Centennial Committee

Sharon Barba
-Poetry reading: Rocky Mountain MLA, Women's Caucus, October 1979.

James Barbour
-Chairman: "Fronting the Frontier" 1979 WLA Conference
-Nominating Committee for the Melville Society
-member RMMLA, MLA

Ernest W. Baughman
-Attended meeting of New Mexico Folklore Society, Santa Fe, April 1979.
-Editor New Mexico Folklore Record (no issues this year).
-The New Mexico Folklore Newsletter, two issues (with Professors T. M. Pearce and Marta Weigle.)

Paul Davis
-Paper read at Southwest American Studies Conference

William C. Dowling
-Paper, "Boswell, Rousseau, and the American Revolution" delivered at meeting of South Central Society for Eighteenth Century Studies meeting in Norman, Oklahoma.

Robert E. Fleming
-Associate Editor, Minority Voices.

Patrick J. Gallacher
-Member of Council, Medieval Association of the Pacific
-Editor, Chronica, newsletter of the Medieval Association of the Pacific
-Board of Editors, The New Wyclif Society, member.

Hamlin Hill
-Keynote speaker, Missouri Philological Association annual meeting, Springfield, Mo. 15-17 March.

Michael Hogan
-Panelist at session on "Teacher Training" at CCCC in Minneapolis, March 1979.
6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

Rudolfo A. Anaya
-Vice-Chairman, Coordinating Council of Literary Magazines; attended meeting of board in Boston and Los Angeles.
-Board of La Academia Publications
-Board of La Compania de Teatro de Albuquerque
-Paper read at RMMLA and MLA
-Board member AHS Centennial Committee

Sharon Barba
-Poetry reading: Rocky Mountain MLA, Women's Caucus, October 1979.

James Barbour
-Chairman: "Fronting the Frontier" 1979 WLA Conference
-Nominating Committee for the Melville Society
-member RMMLA, MLA

Ernest W. Baughman
-Attended meeting of New Mexico Folklore Society, Santa Fe, April 1979.
-Editor New Mexico Folklore Record (no issues this year).
-The New Mexico Folklore Newsletter, two issues (with Professors T. M. Pearce and Marta Weigle.)

Paul Davis
-Paper read at Southwest American Studies Conference

William C. Dowling
-Paper, "Boswell, Rousseau, and the American Revolution" delivered at meeting of South Central Society for Eighteenth Century Studies meeting in Norman, Oklahoma.

Robert E. Fleming
-Associate Editor, Minority Voices.

Patrick J. Gallacher
-Member of Council, Medieval Association of the Pacific
-Editor, Chronica, newsletter of the Medieval Association of the Pacific
-Board of Editors, The New Wyclif Society, member.

Hamlin Hill
-Keynote speaker, Missouri Philological Association annual meeting, Springfield, Mo. 15-17 March.

Michael Hogan
-Panelist at session on "Teacher Training" at CCCC in Minneapolis, March 1979.
6. continued

David Johnson

David R. Jones
-Founder, Artistic Director, and President of Board of Directors, The Vortex Theatre, October 1976-June 1978.

Jane Kopp
-Chair, Southwestern Writers Section, Western Literature Association annual meeting--Albuquerque, October, 1979.

Antonio Marquez

Tom Mayer
-Discussed napalm and literature with Tim Page and Steve Northup, a retired correspondents' association.

David C. McPherson
-member, MLA

Ivan Melada
-member, MLA
-member, RMMLA
-Active member, Friends of the Huntington Library

Peter C. Page
-represented UNM's Freshman English Program at the New Mexico Council of Teachers of English convention in Santa Fe, September 29.
-attend and manned the reception desk at the Rocky Mountain Modern Language Association convention in Albuquerque, October 20-21.

Roy G. Pickett
-member, MLA

Mary Power
-Paper, James Joyce Symposium, Zurich, Popular Culture in James Joyce's Ulysses, June 11, 1979, Chairperson, Sacred and profane themes in Joyce.

David Remley
-Chairman, "Regionalism in Western Literature," Western Literature Association Conference, Albuquerque, NM, Fall 1979.
Patricia C. Smith
-"Ain't Seen You Since; Dissent between Female Relatives in Contemporary Native American Women's Poetry." Paper Read at Midwest MLA, Indianapolis, November, 1979.

Harvena Richter

Ellen Spolsky
-"The Language of the Academic Community" paper read at the MLA meeting, San Francisco, December 1979.

Ron Swigger
-Helped Host RMMLA meeting in Albuquerque, October 1979.
-member Rio Grande Writers Association

James L. Thorson

Marcia Tillotson
-Attended 1979 MLA meeting in San Francisco, December 27-31, as elected representative to Delegate Assembly.
-Chaired English Literature after 1800 section at RMMLA meeting.

Fred B. Warner
-attended annual convention RMMLA, Albuquerque, October 1979.
-chaired novel seminar at annual meeting of Western Literature Association, Albuquerque, Fall 1979.

Mary Martha (Marta) Weigle
-Editor, Publications of the American Folklore Society, New Series
-Editor, FOLKLORE WOMEN'S COMMUNICATION

Mary Bess Whidden
-attended RMMLA, Albuquerque, Fall 1979.

Peter White
-Chaired section at Western Literature Association Meeting, Albuquerque October 1979.
-"American folk-art of Fiddling" paper presented at Society meeting, Santa Fe, May, 1979.
6. continued

Patricia C. Smith
"Ain't Seen You Since; Dissent between Female Relatives in Contemporary Native American Women's Poetry." Paper Read at Midwest MLA, Indianapolis, November, 1979.

Harvena Richter

Ellen Spolsky
"The Language of the Academic Community" paper read at the MLA meeting, San Francisco, December 1979.

Ron Swigger
-helped host RMMLA meeting in Albuquerque, October 1979.
-member Rio Grande Writers Association

James L. Thorson
-attended and chaired session on "Politics and the Drama at South Central Society for Eighteenth-Century Studies meeting in Norman, Oklahoma, March 22-24, 1979.

Marcia Tillotson
-attended 1979 MLA meeting in San Francisco, December 27-31, as elected representative to Delegate Assembly.
-chaired English Literature after 1800 section at RMMLA meeting.

Fred B. Warner
-attended annual convention RMMLA, Albuquerque, October 1979.
-chaired novel seminar at annual meeting of Western Literature Association, Albuquerque, Fall 1979.

Mary Martha (Marta) Weigle
-editor, Publications of the American Folklore Society, New Series
-editor, FOLKLORE WOMEN'S COMMUNICATION

Mary Bess Whidden
-attended RMMLA, Albuquerque, Fall 1979.

Peter White
-chaired section at Western Literature Association Meeting, Albuquerque October 1979.
-"American folk-art of Fiddling" paper presented at Society meeting, Santa Fe, May, 1979.
6. continued

Hugh Witemeyer
-Attended meeting of Rocky Mountain Modern Language Association; named chairman of special session on Literature and Other Arts—10/79.
-Attended meeting of national Modern Language Association; 1979 Chair of Division of Literature and Other Arts, presided over session on Literary Illustration.

7. OTHER PROFESSIONAL ACTIVITIES, ETC.

Rudolfo A. Anaya
-Paper and address to National Conference of State Legislators, Santa Fe.
-Addressed West Mesa High School Student Council State meeting.
-Talk to Mesa Chicana, UNM.
-Talks at Cibola High School, Ernie Pyle Jr. High.
-Readings of work at Yale Univ., Reno, Nev., Farmington College, RGWA Kimo Reading
-Teacher at UNM Summer Writers Workshop.
-Talk at Pan American; Mexican American Educators, Los Angeles
-Awarded Columbus American Book Award for TORTUGA, 1980.
-Honored at a White House reception. Read from BLESS ME ULTIMA, 12'79.

Sharon R. Barba

James F. Barbour
-"The Blue Hotel," presentation for New Mexico Council for the Humanities in Gallup, N.M.

Ernest W. Baughman
-Dinner talk, Albuquerque Corral, The Westerners, March, 1980: "Western Folklore and Humor."

Paul Davis
-Moderator at symposium on energy use sponsored by the Humanities council and the Dept. of History.
-Member of the planning committee for the symposia on the International Year of the Child sponsored by the Humanities Council.
-Participant in a grant taking the American Short Story series into the prisons sponsored by the NMHC.
-Talk on solar energy, UNM School of Architecture.

Morris Eaves
-Consultant: To NEH, Division of Research Programs, concerning a project proposed by Richard Price, Chairman, Dept. of Anthropology, John Hopkins, for
Morris Eaves
- "a critical edition of John Stedman's Narrative of a Five-Years' Expedition Against the Revolted Negroes of Surinam in Guiana ..." (1797). Dec. 1979
- Consultant to English Dept., Louisana State Univ., in the promotion of Jim S. Borck to Assoc. Prof. October, 1979.
- Consultant to English Dept., Univ. of Western Ontario (Canada) in the tenure and promotion of Richard J. Shroyer to Assoc. Prof. Sept. 1979.
- Consultant to W. J. T. Mitchell, Prof. of English & Ed., Critical Inquiry, Univ. of Chicago, concerning a proposed exhibition of the work of Wm. Blake at the Smart Gallery, Univ. of Chicago, on "Blake as a Religious Artist." Oct. 1979.

Robert E. Fleming
- Lectures in NEH-N.M. Humanities Council film program, spring 1979, in Grants, Gallup.

Gene Frumkin
- Panel member on "Southwest Publications" at the Southwest Conference in April, sponsored by the Rocky Mountain American Studies Assn., New America, Energy Consumers of New Mexico, Inc., Community Development Extension Service of NMSU.
- Poetry readings at San Luis Obispo Arts Council, Beyond Baroque Foundation, KUNM, Albuquerque United Artists, Albuquerque, "Downtown Saturday Nights Festival."

Patrick J. Gallacher

Hamlin Hill
- Lectures, Grants, Gallup, Albuquerque, "American Short Stories Series."
- Commencement address, Vo-Tech Institute, December 20.
- Advisor NEH Media Division, Research Division, Fellowship Division.
- Advisor, NEH final consultant, final selection committee, NEH Category B-Fellowships, 4-6 October, Washington, D.C.

Michael J. Hogan
- Consultant Reviewer for Prentice-Hall.
- Grader for NCTE Writing Award
- Panelist for A&G-APS Workshop

David Johnson
- Co-editor San Marcos Review
- Poetry Readings: September 27, 1979, Kimo Theatre, Albuquerque
  December 20, 1979, Central Torta, Albuquerque
  November 4, 1979, Public Library, Artesia, NM.
7. continued

Jane Kopp
-Paper and participation in two NHF seminars on Dependency in Albuquerque, November 9-16, 1979.

David C. McPherson
-Two presentations on Shakespeare to the Gifted Children program, 7th grade, Taylor Middle School, Albuquerque Public Schools, Oct. 16 and Dec. 19 (Mrs. Batuello's classes).

Peter Page
-Vice President of the Board of Directors of Artspace Magazine: Quarterly of the Southwestern Arts (published in Albuquerque).
-Half hour interview on KGGM-TV (Channel 13) with Kenan Block on "inquiry '79" aired Sunday, April 8: "Writing Skills in New Mexico Public Education."

Mary Power

Harvena Richter
-obtaining Nigel Nicolson for lecture April 6, incl. making all arrangements, publicity, lecture introduction, etc. (UNM)

Ron Swigger

James L. Thorson
-Write-up of my science fiction course appeared in local media fall, 1979.
-member of several scholarly societies.

Fred B. Warner
-radio interview KUNM concerning new course to be taught in Spring, 1980. LOBO interview on same subject.

Mary Martha (Marta) Weigle
-Talk on the Penitente Brotherhood for summer session of Southwest Studies Program, Colorado Springs.
-In charge of annual meeting, New Mexico Folklore Society, April 1979.

Peter White
-Appointed Associate Editor of Minority Voices: An Interdisciplinary Journal of Literature and the Arts (4th year)
7. continued

Hugh Witemeyer
- Read paper on "Homage to Sextus Propertius and the Question of Tone in Personae" at Ezra Pound Conference, University of Durham, England, in March 1979.

Joseph B. Zavadil
- Textbook Reviewer for Harper and Row
- One-Day Workshop for Albuquerque City Department of Human Services (May).

8. NON-TEACHING UNIVERSITY SERVICE, ETC.

Rudolfo A. Anaya
- Director, Creative Writing
- Associate Editor, American Book Review

Ernest W. Baughman
- English Department Policy and Personnel Committee

Paul Davis
- Curriculum revision committee, Department of English
- Policy and Personnel Committee, Department of English
- Faculty Ethics Committee
- Committee on Extension of Retirement Age
- Advisory Committee to College of Education during accreditation
- UNM Ambassadors

William C. Dowling
- Faculty advisor

Morris Eaves
- Editor, Blake/An Illustrated Quarterly
- Member, UNM Press Committee

Michael Fischer
- Member, P & P Committee English Department
- Faculty Advisor, English Department

Robert Fleming
- Department Graduate Committee and Curriculum Revision Committee
- American Studies Committee
- Graduate Advisor
- A & S Promotion Committee

Gene Frumkin
- Acting Director of Creative Writing Program (spring)
- Member, Graduate Committee
- Faculty advisor
- ASUNM-GSA Poetry Series

Patrick J. Gallacher
- Chairman, two departmental dissertation committees.
8. continued

Hamlin Hill
-University Press Committee
-American Studies Committee
-Chairman English Department, August--

Michael J. Hogan
-Coordinating Committee (and various subcommittees) for Basic Skills Program
-Albuquerque Schools-UNM School Relations Committee
-A&S Health Science Advisory Committee
-Senior Day Planning Committee

David Johnson
-Director, The Fourth Annual New Mexico Writers Workshop, summer 1979.

David R. Jones
-Committee on Professional Activities, Department of English, Spring 1979.

Jane Kopp
-English Department Policy and Personnel Committee
-Director, D. H. Lawrence Fellowship Committee, 1979
-Chairman, Professional Activities Committee, Department of English, 1979.

Antonio Marquez
-Comparative Literature Committee
-Chicano Faculty Advisory Committee

David C. McPherson
-Arts and Sciences Tenure Committee, fall semester.
-English Department Policy and Personnel Committee, fall semester.

Ivan Melada
-M.A. Advisor
-Library Liaison
-Chairman, English Department, Library Committee.

Peter C. Page
-Assistant Director of Freshman English
-Secretary to the Freshman English Committee
-Member, English Department Policy & Personnel Committee

Roy G. Pickett
-Voting member of the Linguistics Department
-Graduate Committee of Linguistics Department
-Member of the Planning Committee of the Linguistic Society of America Summer Institute to be held Summer 1980 at UNM.

Mary Power
-Faculty Advisor, Speakers' Committee (Sept. 1979--present).
-Director, D. H. Lawrence Fellowship Committee (Sept. 1979--present).
-Member, English Department Graduate Committee (Jan.-May, 1979).
8. continued

Ellen Spolksy
-M.A. advisor
-M.A. thesis, Ph.D. dissertation director
-Zimmerman Library Committee

Ronald Swigger
-Member, Comparative Literature Committee

Helen-Jane B. ("Zane") Taichert
-Director, CST

James L. Thorson
-Member of the Faculty Senate and the Committee on Long-Range Planning.
-English Department Liaison to Friends of Zimmerman Library.
-M.A. Advisor, English Department
-Faculty Sponsor, Presidential Scholars.

Fred B. Warner
-Faculty advisor Conceptions (undergrad literary magazine)
-member, D. H. Lawrence Fellowship Committee
-member, European Studies Committee

Mary Bess Whidden
-Arts and Sciences Committee on Curriculum and Policy
-English Department, Policy and Personnel Committee

Peter White
-American Studies Faculty Committee
-Professional Activities Committee, English Department
-Curriculum Committee, English Department

Hugh Witemeyer
-Director of English Graduate Studies
-Arts and Sciences Graduate Committee

Joseph B. Zavadil
-Department Chair, January-June
-Member, Academic Freedom and Tenure Committee
-Member, Continuing Education Committee
-Faculty Advisor, Newman Center.

9. PUBLIC SERVICE

Rudolfo A. Anaya
-Talk at AHS class
-Panel at RGWA meeting at New Mexico State University, Las Cruces.

James F. Barbour
-member, Christ Lutheran Church

Paul Davis
-Building Corrales Library; Consultant on solar energy.
9. continued

David Johnson
- President, Rio Grande Writers Association, April 1979—
- Advisory Board: Artists-in-the Schools, Albuquerque Public Schools.

Tom Mayer
- Chairman, Espanola Airport commission
- Installed runway lights at Espanola Airport.

Peter C. Page
- New Mexico M.A. Society
- New Mexico Lung Association

Ellen Spolsky
- Board of Directors, Akiba Day School

Helen-Jane B. ("Zane") Taichert
- Layreader—Canterbury Chapel

Mary Martha (Marta) Weigle
- Board of Directors, Santa Fe Historical Society

Hugh Wi temeyer
- Pacific Region Selection Committee for the Marshall Scholarship
- D. H. Lawrence Festival Board

10. Michael Fischer
- Son, Joshua, born September 6, 1979
I. General Departmental Information

This year has been a time of capitalizing on the advances which the Geography Department has made in the previous few years. While maintaining the offerings in physical and human geography and in most of the world regions, there has been considerable growth in other aspects, especially methodology. There are now well developed programs in cartography and in remote sensing. Quantitative techniques, computer programming and mapping, and field methods are taught on regular bases, as are also urban geography and land use planning. Economic geography has not been given the emphasis it should have, but the completion of plans and the recruitment of a staff member specifically to develop this realm should remedy this situation. Location theory, which is often coupled with economic geography, will thus also be revitalized.

Unfortunately, the department still lacks regional coverage of East Asia, but this loss is more than offset by the considerable advancements in other aspects of the discipline at the University of New Mexico.

A. Significant Achievements

The inauguration of a comprehensive program in cartography was probably the most significant achievement this year. Attention should be called also, however, to the completion of plans for a good program in economic geography.
which should begin to bear fruit next year. Note should be taken also of the
publication of an atlas of the state largely through the efforts of faculty
members in this Department. Furthermore, the Department participated in the
1980 Census Project and contributed to developments in the area studies programs.
In addition, two symposia were sponsored by a newly revitalized New Mexico
Geographical Association. Last, but not least, the undergraduate and graduate
degree programs continued to attract students and to maintain good enrollments.

This year was the first year of the full operation of the cartography
program and laboratory. The assignment on a regular basis of a graduate assistant
for the cartography lab has been very helpful in achieving this, but principal
credit should go to Assistant Professor Alastair Shedden who has organized the
entire effort. Introductory cartography, with lab sections at staggered times,
is offered during the first semester, and advanced cartography, including
computer mapping, is taught during the second semester. These two courses, with
8 hours of credit, when coupled with Map Reading and Air Photo Interpretation
(3 hours) and Remote Sensing (3 hours), total 14 hours of work in this realm
and provide the solid training sought by employers.

The plans developed for a substantial program in economic geography are
now completed, and a new assistant professor has been recruited (Bradley T. Cullen)
with a specialization in this aspect of geography. Economic geography courses
already in the catalog are Geography 263 - Economic Resources, and Geography 464 -
Location Theory. In addition, the department expects to add courses in
transportation and advanced economic geography, capitalizing on the advice and
training of the new member of the staff.
An atlas of New Mexico appeared this year with Assistant Professor Jerry L. Williams as co-editor and principal compiler. Entitled New Mexico in Maps, the atlas was published by the Technology Application Center of the University. The other editor was Dr. Paul McAllister, formerly of the History Department here at New Mexico. The only other significant atlas of the state to appear prior to this was an Historical Atlas of New Mexico published in 1969 by the University of Oklahoma Press. Dr. Williams authored a number of original maps for his atlas, and Professor Rodman E. Snead of this department was also a contributor. The cartographic work was done by the Technology Application Center under the guidance of Dr. Stanley Morain, Director of the Center and Associate Professor in this Department.

Meanwhile, the Department has continued to participate in the areas studies programs. In particular, a representative of the Geography Department, Professor Richard Murphy, worked with members of other departments in formulating a minor in European Studies.

Another opportunity for a cooperative venture outside the department was the 1980 U.S. Census Project. Assistant Professor Jerry L. Williams represented the Department in this project, guiding students in course work on population analysis while they actually engaged in the work of data gathering for the U. S. Bureau of the Census.

Not all the achievements of the department stem from the work of faculty; attention should be called also to a group of graduate students who have revitalized the virtually defunct New Mexico Geographical Association and have turned it into a lively organization which reflects the intensity of
their interest in this discipline. Mr. Kim Seidler was elected President, and he has been a prime mover in the successful year. Dr. Jerry Williams is the faculty advisor. The membership, although not restricted, is largely from the ranks of the graduate students in geography, several faculty members of this Department, and a number of undergraduate majors. In addition to sponsoring several speakers through the year and a dinner party toward the end of the second semester, the Association sponsored two symposia on topics of current interest in New Mexico. The first one, organized by Dr. Williams, was held in October and dealt with "Land Use Conflicts in the Bisti Badlands of the San Juan Basin," and the second, held in March-April, examined "Land Use Conflicts in the Jemez Caldera" from a number of viewpoints.

Although all these achievements are noteworthy, in the last analysis, the most significant achievement of the Department may have been the continuation of healthy and attractive undergraduate and graduate degree programs and the provision of good courses taught by a competent staff engaged in meaningful research. Therein lies the core of accomplishment for a Department in the Arts and Sciences College of the University.

B. Plans and Recommendations

Plans are underway for the development of economic geography (now that a staff member is being added who emphasizes that aspect of the discipline) and for the revitalization of Geography 401 - Geographic Writings and Analysis, to be offered in alternate years from Geography 501 - History and Philosophy of Geography. Recommendations call for the provision of a minimum number of TA's
or GA's to each unit offering graduate degrees, and the eventual recruitment of another staff member specializing in East Asia or possibly historical geography.

The carrying out of plans for the development of economic geography to a position comparable to other emphases in the Department should now be possible with the addition of a staff member specializing specifically in this aspect of the field. Plans include offering on a regular basis a sophomore sequence in introductory economic geography the first semester and an introduction to spatial organization the second semester. The course on location theory can likewise now be offered on a regular basis. Furthermore, courses in advanced economic geography and transportation are envisaged.

With the retirement of Professor Robert D. Campbell, the course in the History and Philosophy of Geography, Geography 501, which he taught, is left without an instructor. Assistant Professor Alastair Shedden has expressed an interest in it, and with his broad background, stemming especially from his training in the British system in South Africa, he should be able to handle this well. He is also interested in the possibility of teaching Geography 401 which is a course concentrating on library work and bibliographical sources. Accordingly, we plan, in the next year or the following, to have him offer these two courses on a rotating, alternate year basis. They should both be valuable to the graduate students, although senior majors would be encouraged especially to enroll in Geography 401.

A recommendation of the department made to the Committee on the Allocation of GA's and TA's in the Arts and Sciences College is included here as particularly
apropos in the development of the graduate program of this department, and that is the assignment of a minimal number (five is suggested) of TA's/GA's to each graduate unit to ensure a core of student support for the graduate program. Five funded graduate students would provide what some have called a "critical mass" of graduate students which would enable any department to be reasonably sure of sufficient enrollment for seminars and would provide a nucleus around which the graduate degree program could grow. The addition to the Geography Department of a GA in Cartography, together with the two TA's who conduct the physical geography labs, helps greatly. Two more, however, should form a more solid basis for further development. These two could be TA's trained to offer an introductory lab course in Map Reading. Indeed, the Department expects to sever Map Reading from the course in Map Reading and Air Photo Interpretation, since the bulk of the course is devoted to the latter, and Map Reading can be taught at a more introductory level.

A recommendation on a longer range basis would be the addition of one staff member to teach courses on East Asia. This vital area is not now covered in our course offerings, since we lack a specialist in this realm. Historical geography also would be useful to develop, and one person to handle both might be found. In any case, the department is gratified by the addition of the GA in cartography and the permission to replace the vacated faculty position with a specialist in economic geography.

C. Appointments to Staff

Assistant Professor Bradley T. Cullen was recruited for the position in economic geography. He comes to us from his doctoral work at Michigan State University. There were over forty applicants for the position, and this person
was chosen not only because of his capacities in economic geography (which will enable us to expand that program as indicated previously) but also because of his broad background. He will help with the general introductory courses as well as offering courses in economic geography and location theory.

D. Separation from Staff

Professor Robert D. Campbell retires at the end of the summer session, 1980 after ten years at the University of New Mexico and a long career in university teaching including many years as Chairman of the Geography Department at George Washington University.

II. Composite of Information Requested on Individual Biographical Supplements

Following are indicated the achievements, productivity, and other activities of the staff of the Geography Department for the calendar year 1979.

Advanced Study

Assistant Professor Alastair Shedden, appointed to the staff starting the 1978-79 academic year, was completing his requirements for the doctorate at the University of California at Berkeley. The subject of his dissertation is Mining, Miners and Merchants in the Northern Rocky Mountains: A Geography of 19th Century Urban Settlement. His intensive work in developing the cartography program here at the University of New Mexico delayed his completion of the dissertation, but the Ph.D. degree is expected in 1980.

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

Professor Iven Bennett took an automobile trip through the northeastern
U.S. and northeastern and central Canada, gathering material, including slides, for his course on the Regional Geography of North America, Geography 303. Associate Professor Stanley Morain traveled to several areas of the world as a US/AID consultant. This work took him to Central America in February, to Nepal in April, back to Costa Rica in September, and to Sudan in October. Professor Richard Murphy traveled through the Pacific Northwest in May and June. Assistant Professor Alastair Shedden conducted field work in Idaho and Montana during the summer and also gave two guest lectures at the Berkeley summer session. During the spring when on sabbatical leave, Professor Rodman Snead made an extensive trip to the west coast of North America from California to Alaska to gather data for material for a book to be published by Dowden, Huchinsen, and Ross.

New Scholastic honors, fellowships, etc.

There were no new scholastic honors, fellowships, etc. during the 1979 calendar year.

Publications


Professor Rodman Snead: texts for 80 35mm color space photographs included in Satellite Imagery: World Meteorology and Climatology, Harper and Row Media Program.

Assistant Professor Jerry Williams: co-editor (with Paul E. McAllister), New Mexico in Maps, Albuquerque: Technology Application Center of the University of New Mexico, 1979. "Abandoned Landscapes: Historical Settlement Record of New Mexico," Proceedings of the Southwest Division of the Association of American Geographers, College Station, Texas, October.

Other research projects or creative work in progress

Assistant Professor Elinore Barrett: "Copper in New Spain's Eighteenth Century Economy, Crisis and Resolution" accepted for publication in Jahrbuch fur Geschichte von Staat, Wirtschaft und Gesellschaft Lateinamerikas. Manuscript completed for "The King Copper Mine, Inguaran in New Spain."

Professor Iven Bennett: investigation of daily maximum and minimum temperatures in New Mexico. Data for a sizable number of stations in New Mexico are available beginning in the early 1900's. Data prior to 1948, however, are available only in tubular form and must be hand processed.

Associate Professor Stanley Morain: Systematic and Regional Biogeography scheduled for publication in 1980 by V. H. Winston and Sons as a book in its "Scripta Technica" series in geography.

Professor Richard E. Murphy: further work on the world distribution of tectonic plates and on the world political patterns in relationship to ethnic factors. He also worked on revisions of Physical Geography: An Introductory Survey.
Assistant Professor Alastair Shedden: Preliminary library research at the Bancroft Library at Berkeley on "Mountainmen in the Southern Rocky Mountains 1830-1850."

Professor Rodman Snead: further work on Coastal Landforms and Surface Features: A Photographic Atlas and Glossary to be published by Dowden, Hutchinsen, and Ross.

Assistant Professor Jerry Williams: preliminary investigation of the "Historical Geography of the Lower San Juan Mountains." A faculty stipend aided research on this project during the summer.

Activities in learned and professional societies

Associate Professor Stanley Morain was appointed Chairman of the Committee on Education of the American Society of Photogrammetry. He attended the annual meeting of the Society in March. Dr. Morain is also Membership Chairman of the local chapter of the American Institute of Aeronautics and Astronautics. Also he presented a paper at the International Workshop on Forestry Remote Sensing held at Humboldt State University, California, in August.

Assistant Professor Alastair Shedden presented a paper entitled "Miners and Merchants: The Functional Basis of Settlement in the Northern Rocky Mountains" at the annual meeting of the Association of American Geographers held in Philadelphia in April. He attended the annual meeting of the Association of Pacific Coast Geographers in Santa Barbara in June. In October he presented a paper on "Trading Places on a Mining Frontier: A case study" at the annual meeting of the Southwestern Division of the Association of American Geographers in College Station, Texas.

Professor Rodman Snead presented a paper on "Storm Damage and Coastal Changes from Hurricane Anita along the Northeast Coast of Mexico" as a poster.
session contribution at the annual meeting of the Association of American Geographers held in Philadelphia in April.

Assistant Professor Jerry Williams presented a paper on "Abandoned Landscapes: Historical Settlement Record of New Mexico" at the annual meeting of the Southwestern Division of the Association of American Geographers held at College Station, Texas in October.

Other professional activities

As noted under travel above, Associate Professor Stanley Morain served as a US/AID consultant in remote sensing for projects in several areas of the world. In February he went to Central America (Costa Rica, El Salvador, Guatemala, and Honduras) to evaluate the potential for establishing a regional Remote Sensing Training Center. In April he went to Nepal to prepare a project paper for the establishment of a National Remote Sensing Center there. In September he returned to Costa Rica to evaluate the progress and results of remote sensing applications in natural resources. Then in October he went to Sudan, to serve as an instructor in a remote sensing seminar and workshop.

Professor Richard E. Murphy delivered lectures on "The Geography of Climate, Soils, and Food Production" and on "Population and Development" on October 1 and 22 respectively to a seminar class of Professors Wayne Moellenberg and Glenn Whan.

Assistant Professor Jerry Williams served as consultant on "Deforestation in the Third World" to the Technology Application Center of the University. Also he organized a land use symposium on "Land Use Conflicts in the Bisti Badlands of the San Juan Basin for the New Mexico Geographical Association which was held in October.
Non-teaching University Services

Associate Professor Elinore Barrett served as a member on three committees, The Research Allocations Committee, the Arts and Sciences Tenure Review Committee, and the Academic Programs Committee of the Latin American Institute.

Associate Professor Stanley Morain continued to serve as Director of the Technology Application Center of the University. He is the thesis advisor to two graduate students.

Professor Richard Murphy continued as Chairman of the Geography Department. He was unanimously supported for another three-year term and was reappointed to serve through the spring semester, 1983. Professor Murphy continued also as a member of the European Studies and Russian Studies Committees. Also he served as a member of the Arts and Sciences Curriculum and Policy Committee and as a member of a special Committee for Review of the Assignment of TA's and GA's in the College of Arts and Sciences.

Assistant Professor Alastair Shedden represented the Department at the University of New Mexico High School Day and at the Albuquerque meeting of the Western Co-operative Education Association.

Professor Rodman Snead continued to serve as the Danforth Liaison Officer for the Senior-Baccalaureate applicants for Danforth scholarships. He served also as a member of the Social Science Promotion Committee and the Asian Studies Committee.

Assistant Professor Jerry Williams served as departmental representative to the Arts and Sciences Graduate Committee and as a speaker for the Office of Public Relations of the University. He is the thesis advisor to four graduate students.
All the faculty of the Department serve as advisors to students.

Public Service

Professor Richard Murphy continued as a member of the bass section of the Albuquerque Civic Chorus. Assistant Professor Jerry Williams was again a volunteer teacher with the Albuquerque Childbirth Education Association. He and his wife also served as a host family for the Albuquerque International Host Family Association.

Personal Information

There was no further personal information to add for the 1979 calendar year.
1. General Departmental Information

A. Significant Achievements

The Department of Geology consists of 15 full-time faculty, six part-time faculty, four Professors Emeriti, an Adjunct Distinguished Professor of Petroleum Geology (supported by Energy Exploration Education, Inc.), three research associates, 4 post-doctoral appointments, 14 Ph.D. candidates, 66 M.S. candidates, and 125 undergraduate majors.

During the past year the department granted one Bachelor of Arts degree, 13 Bachelor of Science degrees, 10 Master of Science degrees and 9 Doctor of Philosophy degrees (Appendix I). This compares to 0, 17, 12 and 0 degrees, respectively, for the previous year. As in previous years, placement of our graduates at all levels continues to be at 100 percent. Graduates with bachelor's degrees have taken jobs with Phillips Uranium, Conoco, Cities Service, Texaco, Tenneco and independent consultants. Starting salaries range from $18,000 to $21,000 per year, although the maximum salary offer was $22,800 per year. Other graduates with bachelor's degrees will attend graduate school at the University of Wyoming, Rice University, Harvard University and the University of New Mexico. 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 Gulf Minerals, Western Nuclear, Chevron Resources, Seremin, Inc., Shell Oil, Mobil, AMAX Corporation, Exxon, Phillips Uranium, Los Alamos Scientific Laboratory, Jet Propulsion Laboratory, University of South Carolina, Michigan Technical University or have taken positions with smaller independent resource or environmental consultants (Appendix I). The demand for our graduates remains strong and constant. Graduates are sought after by industry as well as state and federal governments and typically are accepted into the best graduate programs in the country.

As a faculty, we have taken advantage of the increased demand for our graduates and the continued high enrollments in geology courses and have raised the academic standards of the Department. Of the eight specific sub-disciplines of geology tested on the Advanced Graduate Record Examination, our undergraduates score significantly above the mean in six of the areas, and at the mean in the remaining two areas. Based on the UAP Aptitude Mean Scores, geology majors rank well above the UNM norm and the national norm. 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.
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 (one position remained unfilled) for this past year published over 180 papers, technical reports, abstracts and maps (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 $1,964,401 (Appendix II). These funds generated a return in overhead for the university of $135,000. 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) Subsurface temperature distributions from heat flow observations; (7) Sedimentary petrology of units of the Española 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 planetology geology; (14) Detailed studies of lunar samples and meteorites; (15) Chemical weathering on Mars. 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. In addition we have received $48,000 in State funds for the acquisition of teaching equipment and supplies in order to maintain our expanding undergraduate teaching program. For the next fiscal year, the Department has been allocated $200,000 as its first installment of State bond money for the purchase of major pieces of equipment. The two top priorities of the Department are a scanning electron microscope and an x-ray fluorescence unit.

The faculty have been active participants in geologic profession. The geology faculty participated in the International Geological Congress, Paris; Spring and Fall meetings of the American Geophysical Union; Annual meeting of the Geological Society of America; Lunar and Planetary Science Conference; Annual meeting of the Meteoritical Society; Annual meeting of the Materials Research Society; Annual meeting of the American Ceramic Society; Annual meeting of the Rocky Mountain and Cordilleran Sections of the Geological Society of America; Annual meeting of the Society of Exploration Geophysicists; Workshop on Research in Magnetotellurics; Workshop on the Rio Grande rift;
Symposium on the "Evolution of Mars"; Symposium on the "Geological Aspects of Nuclear Waste Disposal"; Annual meeting of the New Mexico Geological Society; National and Rocky Mountain Annual Meetings of the American Association of Petroleum Geologists; NATO Advanced Study Institute, Newcastle U.K.: Mechanisms of Plate Tectonics; NASA course on Venus Orbiting Imaging Radar Interpretation; 49th Congress, Australia-New Zealand Association for Advancement of Science. In nearly every case, support for travel to national and international meetings came from outside the university. In addition to faculty travel, 32 geoscientists visited the Department of Geology to present lectures and discuss their research 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, Colorado School of Mines Quarterly and Tschermak's Mineralogisch-Petrographische Mitteilungen. Professor Brookins served as a member of the Editorial board of the Proceedings volume for the Second International Symposium on the Scientific Basis for Nuclear Waste Management and will be co-editor of a new journal on Nuclear Geology. Professor Callender continues as managing editor of the New Mexico Geological Society. Professors Ingersoll and Woodward were the editors for the most recent volume of the New Mexico Geological Society, Santa Fe Country, and Professors Ingersoll and Callender were the editors of NMGS Special
Publication No. 8. The faculty reviewed numerous submitted manuscripts for most of the principal international earth science journals.

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 twenty-seven scientific articles in major national and international, reviewed journals, as well as the publication of twelve 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 thirty professional papers presented before national and international scientific meetings. During the report period, grants and contracts totalling $1,291,612 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 has been revised (Appendix IV). 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 subdisciplines of geology such as geophysics or geochemistry. The revised curriculum will be phased into the Departmental course offerings during the next academic year. At the graduate level, the procedures and examinations for advancement to candidacy for
the M.S. and Ph.D. degrees have been revised (Appendix V). 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.

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 non-profit 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 Fall semester of 1981. The members of the board of Energy Exploration Education, Inc. are beginning an active campaign to raise funds for the continued support of this program.

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 VI for a list of students and the amount of their awards). Restricted and unrestricted gifts to the Department totaled $8,658. For the next academic year we expect
additional support for undergraduates in the form of two scholarships which will be endowed ($35,000) by the Campbell Foundation. The scholarships will be awarded for two years at the beginning of the junior year. Support for graduate students is in the form of teaching assistantships (15) and research assistantships (26) funded by outside grants and contracts (see Appendix VII for a list of graduate students and the sources of support).

Application for admission to the graduate program remains constant. Ninety-four students applied for admission in 1980, and 56 were admitted. A total of 50 were students desiring to work towards an M.S. degree; 6 were Ph.D. candidates. Based on the results of the Graduate Record Examination, the students accepted into our graduate program fall into the top 25-30 percent of the graduating geology seniors who took the exam. The characteristics of the applicants are summarized in Appendix VIII.

One of the most important events of recognition to come to the Department was the award of the Regents Meritorious Service Medal to Mr. Donald Power. The medal is awarded annually to members of the faculty and staff of the University in recognition of extraordinary and distinguished service to the institution. The entire faculty and staff of the Department of Geology were pleased and proud to see Mr. Power honored by the University.
B. Significant Plans and Recommendations

1. Due to revisions in the undergraduate program and the purchase of new equipment using State bond money and matching funds from research grants, the Department must renovate selected laboratories and portions of the building. The anticipated purchase of a new scanning electron microscope and an x-ray fluorescence unit require first-class laboratory space. The renovation of the basement as a complex of laboratories is long overdue and must be a top priority. In addition, laboratories on the second and third floors must be renovated to standards required by our present excellent analytical facilities.

2. The Department must implement the revised undergraduate curriculum and the new procedures and examinations for the M.S. and Ph.D. program.

3. In order to maintain and improve the excellence of our graduate program, the Department must develop methods to guarantee national exposure for the graduate program. We will accomplish this by developing brochures and announcements of our various programs, and supplement these efforts with recruiting trips by our faculty to major universities.

4. The Department must fill the position in exploration geophysics. The exploration geophysics position is a critical part of the instructional program and provides a research program which is of direct benefit to the State of New Mexico. The previous year's efforts to fill the position were unsuccessful due to the stiff competition with industry for geophysicists.
5. The Department has invited prominent members of petroleum industry and earth science faculties to nominate candidates for the Distinguished Visiting Professorship of Petroleum Geology. In addition, we will begin an active program to create an endowment for this position.

C. Appointments to Staff

1. Dr. Jeffrey A. Grambling, Princeton University (1979), appointed as an Assistant Professor, effective August 18, 1980.

2. Dr. Crayton J. Yapp, California Institute of Technology (1980), appointed as an Assistant Professor, effective August 18, 1980.

3. Dr. Barry S. Kues, promoted to associate professor (with tenure), effective July 1, 1980.

4. Dr. Raymond V. Ingersoll promoted to associate professor, effective July 1, 1980.

5. Dr. Frank Conselman, appointed as Adjunct Distinguished Visiting Professor of Petroleum Geology, Fall, 1979.

6. Dr. William Luth, Sandia Laboratories, appointed as Adjunct Professor, Fall, 1979.
D. Separations from Staff

1. Dr. George R. Jiracek, resigned effective June 30, 1980, to become a Full Professor at San Diego State University.

2. Dr. Gary P. Landis, resigned effective August 15, 1979, to accept a position with the U.S. Geological Survey.
1. ADVANCED STUDY

Roger Y. Anderson:

Douglas G. Brookins:
Professional re-certification, American Institute of Chemists.

Jonathan F. Callender:
Invited attendee, NATO Advanced Study Institute, Newcastle U.K. - Mechanisms of Plate Tectonics

Wolfgang E. Elston
2. SABBATICALS, LEAVES OF ABSENCE, TRAVELS, ETC.

Douglas G. Brookins:
Sabbatical leave for the 1979-80 Academic Year. Projects include research at the Los Alamos Scientific Laboratory (Group CNC-11) on radioactive waste disposal, critically and related near-field actinide behavior near radwaste canisters (study for Sandia Laboratories).
Travel to Lawrence Livermore Laboratories, California.
Travel to Lawrence Berkeley Laboratories, California.
Travel to various cities for professional papers/lectures (See Item 6).
Travel to Carlsbad, N.M. for radioactive waste studies.
Travel to various locations in the Grants Mineral Belt, western New Mexico for uranium research.
Travel to various locations in north-central New Mexico for research on Precambrian rocks.

Jonathan F. Callender:
Sabbatical leave, Spring 1979. Travel to England, Scotland, Denmark, West Germany, Netherlands and France, to study nuclear waste management, rift systems and general geology. Travel to California to do research at California Institute of Technology. Field work in northern New Mexico.
Wolfgang E. Elston


Taught short seminar on association of ore deposits and volcanic centers, University of Queensland.

Led geological field trip through New Mexico for 36 geology students and faculty, Technische Hochschule, Aachen (German Federal Republic), Sept. 22-28, 1979.

Invited guest lecturer, UNM German Summer School, Taos, NM, June 23 to June 24, 1980 (anticipated).
Rodney C. Ewing:
Visiting Research Scientist, Hahn-Meitner Institute for Nuclear Studies, West Berlin, German, June 7 - July 2.

Raymond V. Ingersoll:
Travel to Zion and Grand Canyon national parks with class.
Raft trip down Colorado River with class.
Fieldwork in northern N.M.
Travel to southeastern Arizona for 3-day fieldtrip (joint trip with Univ. of Arizona).
Talk and 2-day visit, Univ. of Minnesota, Minneapolis.
Talk and 2-day visit, Univ. of Washington, Seattle.
Attended fieldtrip to the Swiss Alps to visit molasse and flysch deposits in their type areas (International Geological Congress), Geneve, Switzerland.

George R. Jiracek:
Hayward, California visit with magnetotelluric subcontractor QEB, Inc., February 16, 1979.
Berkeley, California, visit with University of California geothermal investigators, February 18, 1979.
Las Cruces, presented Department of Physics, Colloquium at New Mexico State University, March 22, 1979.
Marina del Ray, California, participated in DOE Geothermal Exploration and Assessment Technology Program Plan, Technical Review Committee.


Truth or Consequences, geothermal field work, July-August, 1979.


Belen, Mountainair, Socorro, magnetotelluric field work, October, 1979.


San Diego, California, presented invited talk to Department of Geological Sciences, San Diego State University, December 3, 1979.

Ensenada, Baja California, Mexico, presented invited talk to Department of Geophysics, Centro de Investigacion Cientifica Y Educacion Superior de Ensenada (CICESE), December 4, 1979.

Santa Fe, invited participant in State of New Mexico, Energy and Minerals Department Briefing, Jan. 15, 1980.


Saint Helena, California, invited participant to "Workshop on Research in Magnetotellurics: Implications of Electrical Investigation for Geothermal Exploration, Feb. 20-22, 1980."
Santa Fe, invited talk on "Geothermal Energy" to Sierra Club, Feb. 26, 1980.


Salt Lake City, Utah, presentation of Department of Energy contract progress report, Apr. 29, 1980.

Los Alamos, attended SQUID applications to Geophysics Workshop, June 2, 1980.

Klaus Keil:


Cleveland, Ohio. Attended Edison Foundation Meeting and presented invited talk at General Electric Lighting Institute, May 4-6, 1979.


Pomona, California. Visited Geology Department at Pomona College, California, and discussed joint papers as part of Viking Program with Drs. A. K. Baird and B. C. Clark, July 6-7, 1979.

Heidelberg, West-Germany. Attended Meteoritical Society Meeting and presented a major, invited talk, a contributed talk, and co-authored 5 additional papers, Sept. 1-16, 1979.


Santa Fe, New Mexico. Presented talk to Santa Fe Astronomers, Mar. 27, 1980.


Mercury, Nevada and Las Vegas, Nevada. Visited Nevada Test Site to study tuff, June 3-4, 1980.

Albert M. Kudo:
Leave of Absence Feb. 5-Mar. 15. Acted as Petrologist/Geochemist on board DV-Glomar Challenger Leg 65, over the East Pacific Rise off tip of Baja California.


Barry S. Kues:
Travel to Indiana University to discuss geologic research.
Travel to Museum of Northern Arizona, Flagstaff, to discuss paleontological matters.
Lee A. Woodward:

3. NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

Douglas G. Brookins:

Who's Who in America (41st Edition)
Who's Who in the West
1979-80 International Biography Dictionary
Community Leaders of America
1979-80 Who's Who of Intellectuals (international)

Elected to membership in the Society for Geology Applied to Mineral Deposits.

Joined Materials Research Society
Invited for membership, American Nuclear Society


American Nuclear Society
American Chemical Society
Clay Minerals Society

Jonathan F. Callender:

Visiting scientist, University of Karlsruhe, West Germany; member and chairman of final nuclear waste disposal subcommittee, Gorleben International Review, West Germany (international review of West Germany nuclear waste disposal policy); Turner Distinguished Lecturer, University of Michigan, 1979-80.
Rodney C. Ewing:
Associate Editor, The American Mineralogist, 1979-1983
Elected to fellowship in the Geological Society of America.
Certificate of Recognition - Sigma Xi.

George R. Jiracek:
Appointed Adjunct Professor of Geological Sciences, San Diego State University, San Diego, California effective March 3, 1980.

Klaus Keil:
Secretary, Commission on Cosmic Mineralogy, International Mineralogical Association.
Member, Editorial Board, Journal "Chemical Geology".
Member, Editorial Board, Colorado School of Mines Quarterly, Golden, Colorado.
Member, Antarctic Meteorite Working Group, National Science Foundation.
Member, Search Committee for Editor, Geophysical Research Letters, American Geophysical Union.
Chairman, Publications Committee, Geochemical Society and Meteoritical Society.
Member, Editorial Board, Tschermak's Mineralogisch - Petrographische Mitteilungen, Vienna, Austria.
Member, Nominating Committee, Mineralogical Society of America.
Lee A. Woodward:

Elected to Society of Mining Engineers of AIME.
4. PUBLICATIONS

Roger Y. Anderson:


Anderson, R.Y., 1979, Mechanism and rates of development of regional and localized dissolution features in and below evaporites: Report, New México Environmental Evaluation Group, April, 15 p., 3 figs.


Douglas G. Brookins:


Register, M.E. and D.G. Brookins, 1979, "Geochronology and Trace Element Chemistry of the Embudo Granite, New Mexico": ibid., p. 155-158.


Brookins, D.G. and C.J. Zimmerman, in press (1979), Sr-isotope initial ratios from the Taos volcanic field, northern New Mexico: Isochron/West, v. 27, p. 31-33.


Publications in Press


Place, J.T., R.S. Della Valle and D.G. Brookins, (in press, 1979,1980) "Mineralogy and Geochemistry of Mariano Lake Uranium Deposit, Smith Lake District, New Mexico": ibid.


Brookins, D.G., (in press, 1980), Geochemistry of clay minerals for uranium exploration in the Grants Mineral Belt, New Mexico: Trans. AIME.


Jonathan F. Callender:


Callender, J.F. (1979), Map of Quaternary and late Pliocene geology of New Mexico: State of New Mexico, Geoscience map series, 1:500,000 (with W.K. Seager).


Papers submitted or in preparation:

Structural analysis and stratigraphic problems of Precambrian rocks of the Picuris Range, New Mexico: submitted to G.S.A. Bulletin (with R.J. Holcombe).


Wolfgang E. Elston


* 1978 Publications not listed in 1978 annual report.


Rodney C. Ewing


Stephen P. Huestis:


Raymond V. Ingersoll:

Ingersoll, R.V., 1979, Petrofacies and provenances of the lower part of the Great Valley Sequence, Sacramento Valley, California: Geological Society of America Abstracts with Programs, v. 11, p. 85-86.


Ingersoll, R.V., 1979, Tectonic style of magmatic arcs formed following continental rifting and during ocean closure: Geological Society of America Abstracts with Programs, v. 11, p. 448-449.


Ingersoll, R.V. and Suczek, C.A., 1979, Petrology and provenance of Neogene sand from Nicobar and Bengal fans, DSDP sites 211 and 218: Journal of Sedimentary Petrology, v. 49, p. 1217-1228.
George R. Jiracek:


Jiracek, G.R., 1980, Electrical resistivity investigations of the geothermal reservoir at Las Alturas Estates, New Mexico: Final project report to New Mexico Energy Institute, Las Cruces, in press.


Klaus Keil:


K. Keil: Suessite, Fe,Si, a new mineral from the North Haig ureilite. Chemistry Department, Univ. of California, La Jolla California Dec. 14, 1979.


K. Keil: Meteorites as probes of the early history of the solar system. Santa Fe Astronomers, Santa Fe, N.M., Mar. 27, 1980.


Albert M. Kudo:


"Leg 65 drills into young ocean crust" in Geotimes, August, p. 16-18 (with Scientific Crew on Leg 65).

"Geology and petrology of Tetilla Peak, Santa Fe County, New Mexico", in N.M. Geological Society Guidebook of Santa Fe County, 30th Field conference, p. 253-256 (with C. Zimmerman).

On site Reports, Leg 65, Deep-Sea Drilling Projects, on board in library of D.V. Glomar Challenger.

Barry S. Kues:


1979, A large assemblage of the eurypterid Adelophthalmus from the Madera Formation (Virgilian) of central New Mexico [abs], Abstracts of Papers, Ninth International Congress of Carboniferous Stratigraphy and Geology, p. 105-106, (with K.K. Kietzke).

1979, "Study of state paleontological resources, Laws 1979, Chapter 237. A proposed New Mexico Museum of Natural History to include the preservation and exhibit of fossil life forms from throughout the state", Report of the New Mexico Life History Program Advisory Committee, Office of Cultural Affairs, to the Legislative Finance Committee, 39 p., (with 7 others).


1980, "Study of state paleontological resources, Laws 1979, Chapter 237, to propose a New Mexico Museum of Natural History to include the preservation, study, and exhibit of materials of the biological and geological sciences", Report of the New Mexico Life History Program Advisory Committee, Office of Cultural Affairs, to the 1980 legislature, 50 p. (with 9 others).


Stephen G. Wells:


"Badland Evolution in the High-Altitude Deserts of New Mexico" w/ A.A. Gutierrez, Chapter in Badlands Geomorphology (B. Rorke, ed.), London.

Geomorphology & Surface Hydrology in the Strippable Coal Belts of Northwestern New Mexico - Applied to Landscape Reclamation, Annual Status Report (Phase 1), 75 p.

Lee A. Woodward:


5. OTHER RESEARCH PROJECTS OR CREATIVE WORK IN PROGRESS

Roger Y. Anderson:

Sandia Laboratories, Principal Invest., Climatic and Solution History, Northern Delaware Basin, New Mexico, 1 year, $36,000. State of New Mexico, Environmental Evaluation Group, Consulting on WIPP Project.


Oceanographic research cruise, Research vessel Sea Sounder, U.S. Geological Survey, 1979, June, 5 days, Farilon Islands Cruise.

Research associated with automated sampling of lakes in North America; Elk Lake, Minnesota; Fayetteville Green Lake New York, research trips.

Douglas G. Brookins:

Sponsored Research

Uranium Deposits of the Grants, New Mexico Mineral Belt II. $94,700 (9-1-76 - 9/30/79), USDOE/BFEC.

Clay Mineralogy and Geochemical Studies of East Chaco Canyon Drill Core. $68,400 (9/1/78 - 3/31/80), USDOE/BFEC.


Rb-Sr and Related Studies of the Castile and Salado Formations, Southeastern New Mexico.
Theoretical Behavior of Actinides in and near Waste Canisters at the WIPP Site. $52,261 (2/18/80 - 12/31/79), Sandia Laboratories.

Geologic Studies for Radioactive Waste Consideration. (8/76 - 11/30/79); $75,876, Sandia Laboratories.

A Method for Quantifying Total Atmospheric Input to Ecosystems. $57,091 (8/1/79 - 4/30/81), National Science Foundation (note: James Gosz, PI, D.G. Brookins, Assoc. Inv.).

Non-sponsored Research

Continuation of research on Oklo (natural fission reactor) with the Los Alamos Scientific Laboratory (See Item 2).

Geochemical study of the Grants Mineral Belt for application to problems of shales as radioactive waste repositories or for radioactive waste canister overpack.

Geochemical study of the Morrison Formation in the southern San Juan Basin, N.M. to assess impact of mining and other man-related activities on the environment (proposal to USEPA pending).

Study of deep drill core from Fenton Hill, N.M. as part of the Los Alamos Scientific Laboratory hot dry rock geothermal project.
Studies of Precambrian rocks and plutonic rocks of unknown age from several parts of New Mexico.

Cooperative study with the USGS on various aspects of Alaskan Geology.

Continued study of Appalachian geology with USGS and others.

Education of public on radioactive waste disposal, and related topics.

Jonathan F. Callender:

Current:

Compilation of geoscience data relating to direct-heat geothermal potential of New Mexico: N.M. Energy and Minerals Dept., #78-0493, 6/1/78 - 12/1/79, $16,995 (with G.R. Jiracek)

Evaluation of the geothermal resource in the Albuquerque, New Mexico area: N.M. Energy and Minerals Dept., #78-2135, 7/1/78 - 3/30/80, $76,874 (co-investigator; G.R. Jiracek, P.I.)

Pending:


In Preparation:

Structural and metamorphic geology of the Precambrian of north-central New Mexico: National Science Foundation, 1/1/81 - 12/31/84, approximately $175,000. (with R. Holcombe)

Papers in preparation:

Paleo-stress environment of the Rio Grande rift, New Mexico and Colorado; for Tectonophysics.


Books in preparation:
Earth Cycles (a physical geologic textbook): Prentice-Hall, New Jersey (with R.C. Ewing)

Wolfgang E. Elston


Rodney C. Ewing:

Sponsored Research:

Unsponsored Research:
Origin and mineralogy of pegmatites, particularly the Harding Pegmatite.
Radiation damage in crystalline materials.
Natural glasses and their long-term stability (in conjunction with Gunter Malow of the Hahn-Meitner Institute, West Berlin).
Modelling the long term integrity of salt repositories (in conjunction with Werner Lutze of the Hahn-Meitner Institute, West Berlin).

Stephen P. Huestis:


Continuation of gravity studies in New Mexico with Mark Andere supported by Los Alamos Scientific Laboratory.

Unsponsored research - Topographic effects on extremal temperature bounds from heat flow data.

Raymond V. Ingersoll:

Ingersoll, R.V., in prep., Petrofacies and provenance of the lower part of the Great Valley Sequence, Sacramento Valley, California: to be submitted to Journal of Geology.


Sandstone petrofacies and provenance of the Santa Fe Group and tectonic evolution of the Rio Grande rift, New Mexico, 6/1/78-8/31/80, American Chemical Society, Petroleum Research Fund, $10,000.00.

Summer support for students working on sedimentologic-petrologic problems in the Espanola basin, New Mexico, 5/15/79-8/15/79, New Mexico Bureau of Mines and Mineral Resources, $5,000.00.

Petrology and provenance of Neogene sand from the Indus fan, Indian Ocean (DSDP leg 23), 10/15/79-6/15/80, Research Allocations Committee, University of New Mexico, $725.00.

Photographs for American Association of Petroleum Geologists memoir on Sedimentary Structures and Facies.
George R. Jiracek:

Supported Research:

Principal investigator, National Science Foundation Grant No. EAR-7813684, Magnetotelluric investigation over suspected magma bodies in the COCORP study area, New Mexico. $73,411, 10/1/78-3/31/80.

Principal investigator, New Mexico Energy and Minerals Department Grant No. 78-2135, Evaluation of the Geothermal Resource in the Albuquerque, New Mexico area. $76,874, 7/1/78-2/29/80.


Principal investigator, Department of Energy Agreement No. DE-FC07-79ID12038, Terrain effects in resistivity and magnetotelluric surveys. $54,970, 9/28/79-9/27/80.

Klaus Keil:

Research grant from NASA Headquarters, Washington D.C., entitled "Mineralogy, petrology and chemistry of brecciated stone meteorites".

March 1, 1976-Feb. 28, 1979 .................... 153,490.00

Research grant from NASA L.B. Johnson Space Center, Houston, Texas, entitled "Electron microprobe analysis of returned lunar samples".

March 1, 1976-Jan. 31, 1979 .................... 184,772.00

Research grant from NASA Langley Research Center, Hampton, Virginia, entitled: x-ray fluorescence analysis of Martian soil via the Viking x-ray fluorescence spectrometer,

April 1, 1977-Jan. 30, 1979 .................... 36,000.00

Research grant from NASA Headquarters, Washington D.C., "Mineralogy, petrology and chemistry of brecciated stone meteorites".


Research grant from NASA L.B. Johnson Space Center, Houston, Texas, entitled "Mineralogy, petrology and chemistry of breccias, mare basalts and cores".

Feb. 1, 1977-Jan. 31, 1980 .................... 185,548.00

Research grant from NASA L.B. Johnson Space Center, Houston, Texas, entitled "Mineralogy, petrology and chemistry of breccias, mare basalts and cores".

Research grant from NASA Headquarters, Washington D.C., entitled
"The formation and evolution of stony meteorites".
March 1, 1978, - Feb. 28, 1981 .................. 145,597.00

Research contract with the Jet Propulsion Laboratory, Pasadena, California, entitled "Viking Lander Inorganic Chemical Analysis,"
Dec. 1, 1978 - Feb. 28, 1979 ..................... 5,475.00

Research contract with Sandia Laboratories, Albuquerque, NM, entitled "Steam explosion experiments".
Oct. 1, 1978 - March 31, 1979 .................... 3,370.00

Research contract with Sandia Laboratories, Albuquerque, NM, entitled "Shale and tuff in Nevada: Potential for nuclear waste disposal".
Oct. 1, 1978 - Sept. 30, 1979 ..................... 78,876.00

Research grant from NASA Headquarters, Washington D.C., entitled
"The formation and evolution of stony meteorites".
March 1, 1979 - Feb. 28, 1981 .................... 102,390.00

Research grant from NASA Headquarters, Washington D.C., entitled
"Chemical weathering on Mars: Theoretical and terrestrial analog studies of possible processes and products".
March 1, 1979 - Feb. 28, 1981 .................... 100,839.00

Research grant from NASA L.B. Johnson Space Center, Houston, Texas entitled "Origin and evolution of lunar crust, mare basalts and regolith".
Feb. 1, 1979 - Feb. 28, 1981 ....................... 121,995.00

Supplement to item 13. ......................... 2,500.00
Research contract with Sandia Laboratories, Albuquerque, N.M., entitled "Shale and tuff in Nevada: Potential for nuclear waste disposal".

Oct. 1 - Nov. 30, 1979 ..................... 7,216.00

Research contract with Sandia Laboratories, Albuquerque, N.M., entitled "Shale and tuff in Nevada: Potential for nuclear waste disposal".

Dec. 1, 1979 - Sept. 30, 1980 .............. 26,624.00

Research grant from NASA Headquarters, Washington, D.C., entitled "The formation and evolution of stone meteorite parent bodies".

Mar. 1, 1980 - Feb. 28, 1981 ................ 85,741.00

Research grant from NASA L. B. Johnson Space Center, Houston, Texas, entitled "Origin and evolution of the lunar crust and mare basalts".


Total grants and contracts in effect in the report period: $1,674,719.00

Albert M. Kudo:

Work on D.O.E. grant "Evaluation of the Geothermal Potential of the Truth or Consequences, New Mexico, Area", for $54,945, May 1 to Dec. 31.


Work on Research Allocations Grant, $1500, May 15 to Dec. 31.
Barry S. Kues:


c. Manuscript: 'A large assemblage of a new eurypterid from the Red Tanks Member, Madera Formation (Late Pennsylvanian-Early Permian) of New Mexico'. In review, Journal of Paleontology (with K.K. Kietzke).


e. 'Paleontology and stratigraphy of the Oketo Shale Member, Barneston Limestone (Lower Permian) of Kansas and Nebraska (Manuscript in progress).

Research Projects Completed But Not Yet Published:

a. 'A fossil crab from the Mancos Shale (Upper Cretaceous) of New Mexico', IN PRESS, Journal of Paleontology.

b. 'The teeth of Alamosaurus sanjuanensis, a late Cretaceous sauropod dinosaur', IN PRESS Journal of Paleontology, (with T. Lehman and J.K. Rigby).

c. 'Acanthosuchus langstoni', a new crocodile from the Nacimiento Formation (Paleocene; Torrejonian) of New Mexico, IN PRESS, Journal of Paleontology (with M. O'Neill & S.G. Lucas).
Stephen G. Wells:

Sponsored Research:


Equipment Use Grant: permanent equipment of Pittsburgh & Midway Coal Mining Co. (subsid. of Gulf Minerals Co.) on loan for research use to S. Wells; total equipment cost = $38,500.


Unsponsored Research:

"Quaternary Geology in the Southern Basin and Range" (in progress.

"Surficial Processes in Forest-fire Devegetated Watersheds of Bandelier National Monument, NM". (completed) .
"Tectonic Geomorphology and Quaternary Geology of Taos Plateau, NM" (in progress)

Books:
Co-author w/ R.C. Ewing & J.F. Callender, Earth Cycles; Introducing Physical Geology Text; Prentice-Hall, Inc.

Lee A. Woodward:
Completed report on "Field examination of potential isolation sites for nuclear waste in shale and argillite in northern Nye County, Nevada" with J.R. Connolly, K.M. Emanuel and K. Keil under contract #13-4004 with Sandia Laboratories to K. Keil.

Completed report on "Preliminary survey of tuff distribution in Esmeralda, Nye, and Lincoln Counties, Nevada" with G.W. Smith, T.S. Pink, J.R. Lawrence, K. Keil and A.R. Lappin, under contract 07-7958 with Sandia Laboratories to Klaus Keil.

Completed report on "Preliminary inventory of pre-Cenozoic clay shales and argillites of the continental United States" with J.R. Connolly and K. Keil under contract with Sandia Laboratories.
6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

Roger Y. Anderson:

Geol. Soc. America, Annual Meeting, San Diego; delivered paper on

"Dissolution of salt in the Delaware Basin by means of brine
density flow."

Douglas G. Brookins:

"Geochemical Studies in the Grants Mineral Belt", talk to the
Santa Fe Geological Society, Santa Fe, NM., 2/21/79.

"The East Chaco Canyon Drilling Project: Geochemistry and
Petrology" talk to the Albuquerque Geological Society,
Albuquerque, NM 2/6/79.

"Periods of Mineralization in the Grants Mineral Belt, New
Mexico, USA", talk to the Geological Society of Canada,
Vancouver, BC, Canada; 2/15/79.

Second Symposium on the Grants Mineral Belt, Albuquerque, May
13-16, 1979, sponsored by the American Association of
Petroleum Geologists, the New Mexico Bureau of Mines and
Mineral Resources, and the south-central section of the
American Institute of Mining Engineers (note: papers from
oral presentations to be published as NMBMMR Memoir 38). The
following papers were given (name of speaker underlined).

"Periods of Mineralization in the Grants Mineral Belt, N.M."
(D.G. Brookins)
"The Mineralogy and Geochemistry of the Mariano Lake Uranium District:" (J.T. Place, R.S. Della Valle, D.G. Brookins)


"The Mount Taylor Uranium Deposit" (W.C. Riese, D. G. Brookins)

"Mechanism for Uranium Deposition in the Grants Mineral Belt: (D.G. Brookins)

"Petrography and Geochemistry of the Westwater Canyon Member, Morrison Formation, northern San Juan Basin: Similarities and Differences with the Grants Mineral Belt: (R.T. Hicks, R.M. Lowy, D.G. Brookins, R.S. Della Valle)

"Geochemical Studies of the Grants Mineral Belt, N.M." (R.S. Della Valle, D.G. Brookins)

American Association of Petroleum Geologists - Rocky Mountain Section, annual meeting, June 5-9, 1979, Casper Wyoming:

"The Less Common Trace Elements in Sandstone Type Uranium Deposits" (D.G. Brookins)

"The Mount Taylor Uranium Deposit: A Description and Comparison with Wyoming Roll-Fronts" (W.C. Riese and D.G. Brookins)

Geological Society of America, Cordilleran Section, annual meeting, May 1979:

Geological Society of America, annual meeting, San Diego, CA, Nov. 7-9, 1979:
"Trace Element Exploration Geochemistry of Uranium Occurrences in the San Juan Basin, Southwestern United States" (D.G. Brookins, R.S. Della Valle, J.P. Balagna)

American Nuclear Society, annual Winter meeting, San Francisco, CA, Nov. 13-15, 1979:
Invited Paper: "Nature of, and Exploration For, Uranium in Sandstone Deposits in the United States: an Educational Module" (D.G. Brookins)

"Long Term Stability of Evaporite Minerals: Geochronological Evidence" (D.G. Brookins, J.K. Register, M.E. Register, S.J. Lambert)

"Clay Mineral - Brine Interactions During Evaporite Formation: Lanthanide Distribution in WIPP Samples" (J.K. Register, D.G. Brookins, M.E. Register, S.J. Lambert)

"Clay Minerals Suitable for Overpack in Radioactive Waste Repositories: Evidence from Uranium Deposits" (D.G. Brookins)

Chaired Session on: "Nuclear Waste-processing, Radionuclide Transport and Geologic Interactions"
Named Educational Coordinator for Symposium (review paper to be written for *Jour. of Educational Modules for Materials Science and Engineering*).


AAAS-SHRAM annual meeting, Las Vegas, NV: April, 1980.


"Application of 25° and 200°C, 1 Bar Eh-pH Diagrams to Radionuclide Migration at Oklo" (invited colloquium speaker, CNC-11, LASL, January, 1980)


Associate Editor for Symposium Volume (Plenum Press).

New Mexico Institute of Chemists:

Councillor, 1978-80

Honor Scroll Committee, 1978-79

Continuation of Certification as a Professional Chemist by the Amer. Inst. Chemists (April, 1980).

Jonathan F. Callender:

Meetings attended: NATO advanced Study Institute; New Mexico Geological Society Fall conference.

Papers read: Geologic questions relating to nuclear waste disposal at Gorleben, F.R. Germany. (given at Hannover, West Germany and Princeton University).
Structural Evolution of the Rio Grande rift. (given at University of Karlsruhe, West Germany, and Princeton University)

Other professional activities:

Managing Editor, New Mexico Geol. Society.
Past-President and Treasurer, UNM Chapter Sigma Xi
Project Correspondent, U.S. Geodynamics Committee
Visiting Staff Scientist, Los Alamos Scientific Laboratory
Reviewer, Geol. Soc. America Bulletin and Geology

Wolfgang E. Elston:

Attended 49th Congress of Australia-New Zealand Association for the Advancement of Science, Auckland, New Zealand, January 23 to 27, 1979, read paper on "Tectonic evolution and economic resources of the Cenozoic ignimbrite province, Southwestern North America"; attended geologic field trips to Auckland volcanoes, Waitakere Ranges, and Tongariro National Park.

Read invited paper on "Volcanoes of New Mexico, U.S.A." to joint meeting of the Royal Society of Queensland and the Geological Society of Australia (Queensland Division), Brisbane, Queensland, June 4, 1979.


Attended Annual Meeting, Southwest Section, American Association
of Petroleum Geologists, El Paso, Texas, February 25 to 26, 1980, and field trip to West Texas (February 22 to 24) and Chihuahua (February 26 to 29). Read paper on "Tertiary volcanic centers as constraints on oil and gas potential of the Basin and Range province: The New Mexico segment of the Pedregosa Basin", (co-authors: E.G. Deal, E.E. Erb).

Speaker, Albuquerque Geological Society, March 4, 1980, "Mid-Tertiary volcanic rocks of southwestern New Mexico and their economic resources".

Rodney C. Ewing:

New Mexico Geological Society, Treasurer (1979); Vice-president (1980).

Mineralogical Society of America, Associate Editor for The American Mineralogist, 1979–1983.


Papers Read:

"Metamict State: Radiation Damage in Crystalline Materials", International Symposium on Ceramics in Nuclear Waste Management sponsored by the Nuclear Division of the American Ceramic Society, Cincinnati, Ohio, April 30 – May 2.


"Natural Glasses: Analogues for Radioactive Waste Forms?" Seminar
at Hahn-Meitner Institute, Berlin, W. Germany, June 14.

"Radioactive Waste Disposal in West Germany", Geology Department Seminar, September 13.

"Mineralogy and Geology of the Harding Pegmatite" New Mexico Minerals Symposium, September 29.


"Uranium & Thorium Minerals: Natural Analogues for Crystalline Radioactive Waste Forms annual meeting of the Materials Research Society, Boston, Nov. 27.


"Radioactive Waste Forms: The Use of Natural Analogues to Predict Their Long-Term Stability" UNM Society of Sigma Xi, Feb. 14, 1980.

Stephen P. Huestis:


Secretary – Albuquerque Geological Society.

Raymond V. Ingersoll:

Attended Geological Society of America, Cordilleran Section meeting, San Jose, California.
Read professional paper at Geological Society of America, Cordilleran Section meeting, San Jose, California.

Invited key speaker, Geological Society of America, Penrose Conference, Gregson, Montana.

Attended 30th annual fieldtrip of the New Mexico Geological Society to Santa Fe Country.

Attended Geological Society of America annual meeting, San Diego, California.

Read Professional paper at Geological Society of America annual meeting, San Diego, California.

Attended fieldtrip at Geological Society of America annual meeting, San Diego, California.

Chairperson, Technical Session: Tectonics I, Geological Society of America Annual meeting, San Diego, California.

Editor, New Mexico Geological Society Guidebook 30 (Santa Fe Country).

Editor, New Mexico Geological Society Special Publication 8 (Archaeology and history of Santa Fe country).

Serving on New Mexico Geological Society Scholarship Committee.

Attended Lunar and Planetary Institute workshop on Rio Grande Rift, Houston, Texas, April 21-22.

Read professional paper and attended technical sessions, Geological Society of America, Rocky Mountain Section annual meeting, Ogden, Utah.

Read professional paper and attended technical sessions, American
Association of Petroleum Geologists and society of Economic Paleontologists and Mineralogists annual meeting, Denver, Colorado.


George R. Jiracek:

Society of Exploration Geophysicists Geothermal Committee Member.
Southwestern Regional Geothermal Development Operations Research, State of New Mexico Advisory Team Member.


U.S. Geological Survey Workshop on Research in Magnetotellurics: Implications of Electrical Investigation for Geothermal Exploration, Saint Helena, California. Attended workshop and


Klaus Keil:

Secretary, Commission on Cosmic Mineralogy, International Mineralogical Association.

Member, Search Committee for Editor, Geophysical Research Letters, American Geophysical Union.

Chairman, Publications Committee, Geochemical Society and Meteoritical Society.

Albert M. Kudo:

Attended American Geophysical Union Annual Meeting in Washington, D.C.

Attended 30th Annual Field Conference in Santa Fe, NM, of NM Geological Society.

Barry S. Kues:

Presented a paper to International Carboniferous Congress, May, 1979, at its 9th meeting.
Stephen G. Wells:

Annual Geol. Soc. of America Meeting; Nov. 5-8; San Diego, CA.

10th Annual Geomorphology Symposium; Sept. 21-22 Binghamton, NY

New Mexico Geological Society Annual Field Trip to Santa Fe Country; Oct., 1979

Committee on Desert and Arid Zones Research Symposium at 56th Annual Meeting of SWARM Div. of AAAS; April 10-11, 1980, Las Vegas, Nevada.

Chief Scientist for non-profit organization, Cave Research Foundation (in charge of annual fellowships, science liaison with National Park Service).


"Forest-Fire Devegetation and Drainage Basin Adjustments in Mountainous Terrain" w/ W.D. White, paper presented at 10th Annual Geomorphology Symposium, Binghamton, N.Y.

"Some Factors Influencing Quaternary Calcrete Formation and Distribution in Alluvial Fill of Arid Basins" w/ J.D. Schultz at Annual Geol. Soc. Am. Meeting in San Diego, CA

Lee A. Woodward:
Attended annual field conference of New Mexico Geological Society.
Served on membership committee of Geological Society of America.
Associate Editor, New Mexico Geological Society.
Associate Editor, Geological Society of America Bulletin.
7. OTHER PROFESSIONAL ACTIVITIES

Roger Y. Anderson:

Nov. 1, 79; Univ. Minnesota, Dept. Geology Seminar; talk on Nuclear Waste Disposal in N.M.


Attended review meetings, Santa Fe, State Environmental Eval. Group on WIPP.

Douglas G. Brookins:

Talks given:

"The Significance of the Oklo Uranium Deposit to Problems of Radioactive Waste Repositories in Geomedia", invited lecture to the University of British Columbia Geology Department, 2/14/79.

"Argillaceous Rocks as Possible Radioactive Waste Repository Sites", invited lecture to the Lawrence Livermore Laboratories (co-sponsored by the U.S. Nuclear Regulatory Commission), 4/12/79.


"Oklo and Radioactive Waste", invited colloquium to the Lawrence Berkeley Laboratories, 9/22/79.

"Geochemical Studies of the WIPP Site, Southeastern New Mexico", invited colloquium to the Lawrence Berkeley Laboratories, 9/22/79.


"Geologic Aspects of Radioactive Waste Disposal" (Caravan Shriners Club, May 19, 1980).

Talks on earth science and chemistry to Manzano Day School and Sandia Preparatory School.

Visiting Staff Member, Los Alamos Scientific Laboratory (Group CNC-11 and Group G-9).

Working group on radionuclides in the environment, Lawrence Berkeley Laboratories.


Reviewer of proposals for the National Science Foundation, the Research Corporation, the American Chemical Society -- Petroleum Fund, the U.S. Department of Energy.

Jonathan F. Callender:
Lecture series at Princeton University.
Signed Structural Geology textbook with Prentice-Hall; Earth sciences reviewer, Prentice-Hall.
Radio, TV, magazine and newspaper interviews concerning nuclear waste management (both national and international).
Met with Chancellor Helmut Schmidt, F.R.G., to discuss nuclear waste management.
Lecture on geologic environment of Albuquerque area for Bureau of Land Management.
Taught "Geology of New Mexico" UNM Comm. College.
Invited reviewer, State of New Mexico, Environmental Evaluation Group (for WIPP).
Consultant to Sandia Laboratories; Los Alamos Scientific Laboratories; State of Lower Saxony, West Germany; Mitlag Verwaltungsgellschaft MBH; California Energy Commission; and State of New Mexico Environmental Evaluation Group.
Lectures at University of Michigan (Turner Distinguished Lecturer), Indiana University and Stanford University [nuclear waste disposal and Rio Grande Rift].


TV Interview, Dutch Television Network "Nuclear waste disposal in West Germany.

Wolfgang E. Elston

Off-campus lectures on "Cenozoic volcanism and tectonism of the Basin and Range province, Southwestern North America" unless otherwise indicated:

February 27, Otago University, Dunedin, New Zealand
March 2, Canterbury University, Christchurch, New Zealand
March 5, Victoria University, Wellington, New Zealand
March 8, University of Auckland, New Zealand
March 27, Macquarie University, Sydney, New South Wales
March 28, University of Sydney, Sydney, New South Wales
April 2, La Trobe University, Melbourne, Victoria
April 3, Monash University, Melbourne, Victoria
April 4, University of Melbourne, Melbourne, Victoria
April 11, South Australia Bureau of Mines and Energy, Adelaide, South Australia (1) "Cenozoic volcanism and tectonism of the Basin and Range province, southwestern North America," (2) "Ignimbrite calderas of southwestern New Mexico - guides to exploration for metals, petroleum, and geothermal energy". 
April 18, Research School of Earth Sciences, Australian National University, Canberra, Federal Capital Territory

April 27, University of New England, Armidale, New South Wales.

Other activities:

Geologic field trips and/or discussion with students and staff of Canterbury University (Feb. 17), Otago University (Feb. 26), Macquarie University (March 26-27, Apr. 22-24), Melbourne Museum (Apr. 1), University of Melbourne (Apr. 6-7), Australian National University (Apr. 18-19), University of New England (Apr. 28, May 29 – June 2).

Geologic field work with Geological Survey of Queensland near Gayndah, Queensland (May 15-18).

Discussions and petrographic examinations with members of the South Australia Bureau of Mines and Energy (Apr. 9), Western Mining Co., Ltd. (Apr. 10), Australian Bureau of Mineral Resources, Canberra (April 18-19).

Tour of North Broken Hill mine (Apr. 12).


Invited guest, Heron Island Research Station, Great Barrier Reef (June 22-27).

Reviewed proposals for NSF, NASA and Los Alamos Scientific Laboratory.

Reviewed manuscripts for Geological Society of America.

Consultant on mining properties.
Speaker, Albuquerque Science Fiction Society, Feb. 15, 1980, "Exploration of the Moon and planets: Is truth stranger than fiction?"

Rodney C. Ewing:
Consultant: Sandia Laboratories
Battelle PNL Laboratories
Wadsworth Publishing,
Prentice Hall, Inc.
United Technologies, Inc.
U.S. Department of Energy

Participant, State of New Mexico Environmental Evaluation Group.
WIPP site, Jan. 5-6.

Raymond V. Ingersoll:
Spent day at Los Alamos Scientific Laboratory; gave talk.
Spent 3 days at New Mexico Bureau of Mines and Mineral Resources, Socorro.
Spent 3 days at Stanford University, Stanford, California; gave talk.
Spent 3 days at Massachusetts Institute of Technology, Cambridge, Massachusetts; gave talk.
Reviewed grant proposal for the National Science Foundation.
Reviewed Manuscript for the Journal of Geology.
Reviewed two manuscripts for W.H. Freeman and Co.
Reviewed manuscript for Geology.
Reviewed text for Burgess Publishing Co.
Reviewed text for Prentice-Hall.
Reviewed manuscript for Journal of Sedimentary Petrology.
Reviewed text for W. H. Freeman and Co.

George R. Jiracek:
Reviewed proposals for National Science Foundation and Department of Energy.
Presented two lectures to Geothermal Engineering course, September, 1979.

Presented lecture to Petroleum Geology course, November, 1979.

Interviewed by University of New Mexico Daily Lobo for newspaper article "Geothermal heated UNM possible", Jan. 24, 1980.

Invited statement to Sandia Laboratories geothermal organization meeting, Hilton Inn, Albuquerque, Feb. 5, 1980.

Invited participant in Univ. of Albuquerque geothermal planning meeting, Feb. 8, 1980.


Presented lecture to "Earth Resources and Man" course, March, 1980.

Presented lecture to "Environmental Geology" course, Apr., 1980.

Klaus Keil:

Consultant, Sandia Laboratories, Albuquerque, NM.

Reviewed six (6) lunar sample proposals submitted to NASA for funding.

Reviewed eight (8) scientific papers submitted for publication to the American Mineralogist; Earth & Planetary Science Letters; Geochimica et Cosmochimica Acta; Meteoritics; and Science.

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.

Presented talk on "Viking: The scientific exploration of Mars", at a faculty colloquium for Presidential Scholars, University of New Mexico, Albuquerque, NM April 4, 1979.


Hosted 21 Club Meeting, Albuquerque, NM

Presented talk on "Jupiter and its moons: Results of the Voyager missions", to Dr. J. Callender's 100 class, UNM, Mar. 12, 1980.

Hosted Annual Meeting of the Southwest Probe Users Group, Albuquerque, NM, Apr. 15, 1980.

Hosted and organized visits by the following scientists to UNM, most of which presented seminars:


b) Dr. Celso B. Gomes, Institute of Geosciences, University of Sao Paulo, Sao Paulo, Brazil, Jan. 27 - Feb. 23, 1979.


h) Dr. R. V. Fodor, Dept. of Geology, North Carolina State University, Raleigh, N.C., July 7 – August 10, 1979.
j) Thirty (30) German geology students, from the Technical University, Aachen, West Germany, Sept. 24, 1979.
m) Dr. A. A. Levinson, Dept. of Geology, University of Calgary, Calgary, Canada, Nov. 12, 1979.
Albert M. Kudo:
Taught Ore Deposits and Geochemistry Course (two sessions) of Geoscience Course at Sandia Laboratories April 23, 30.
Reviewed proposal for NSF.
Reviewed two papers (1 for J. Geol., 1 for GSA).

Barry S. Kues:
Jan. 10 Testified on paleontology of northwestern New Mexico to New Mexico Surface Mining Commission.
Jan. 18 Talk to Paloduro Rockhound Club on fossils of the Santa Fe area.
Feb. 3 Spoke to a meeting called by New Mexico State Senator John Irick, regarding proposed legislation to protect fossils.
Feb. 9 Talk to Armijo Elementary School on fossils of N.M.
Feb. 13 Talk on fossils of N.M. to New Mexico Senate Conservation Committee.
Feb. 20 Talk to Santa Fe Chapter, Sierra Club, on fossils of northwestern New Mexico.
Feb.-Mar. Identified fossils from near Taos N.M., for M. Casey, doctoral student at the Univ. of Texas.
Mar. 14-17 Traveled to northwestern N.M.; consulted in the field with Brigham Young University scientists who were beginning paleontological study there.
Mar. 22 Meeting with Director of Museum of New Mexico and other state officials regarding N.M.'s paleontology program for this year.
Mar. 26 Talk to Albuquerque Gem and Mineral Club on invertebrate fossils of New Mexico.
Apr. 3 Talk to Rio Rancho Rockhound Club on fossils of the Bisti, N.M. area.

Apr. 10 Consulted with paleontologists from Museum of Northern Arizona relative to fieldwork and exhibition of N.M. fossils scheduled for this year.

Apr. 29 Consulted with Museum of Northern Arizona paleontologists regarding excavation of dinosaur skeleton from northwestern N.M.

May 8 Talk to Kirtland Air Force Base Officers Wives Club on fossils of New Mexico.

May 16-25 Attended International Carboniferous Congress in Urbana, Illinois, and presented a paper.

May 18 Selected by Governor of New Mexico to be a member of the N.M. Life History Program Advisory Committee.

May 26-27 Travel to Indiana University, consulted with geologists there regarding mutual projects.

June 27 Talk to Los Alamos Archaeological Society on fossils of N.M.

July 9 Talk to Cochiti Rock and Mineral Club on fossils of N.M.

July 20 Talk at Esperanza Branch, Albuquerque Public Library, on dinosaurs.

July 28 Talk at Main Branch, Albuquerque Public Library, on dinosaurs.

Aug. 1 Radio interview on N.M. fossils with Linda Sparber, KOB; played Aug. 25 on 'New Mexico Heritage' program.
Aug. 6 Taped T.V. program (questions and answers) about N.M. fossils, KBIM-Roswell.

Talked to personnel of Roswell Museum and Chaves Co. historical society on plans for a New Mexico State Natural History Museum.

Taped interview, KRSY radio, Roswell.

Aug.–Sept. Provided information and advice to N.M. Attorney General's Office (Fred Smith) concerning prosecution of an archaeological pot-hunter.

Sept. Identified New Mexico fossils for Inter-Mountain Research.

Sept. Provided information on paleontology of northwestern N.M. to John Kelly representing National Indian Youth Council.

Sept. 10 Participated in a slide presentation on New Mexico fossil to the N.M. Legislative Finance Committee.

Sept. 13 Talk to Palo Duro Rockbound Club on New Mexico fossils.

Sept. 21–22 Traveled to Museum of Northern Arizona, Flagstaff, to consult about New Mexico paleontological display.

October 1 Talk to U.N.M. Dept. of Geography Land Use Symposium, on fossils of the Bisti Badlands area.

October 14 Talk to Albuquerque Archeological Society, on New Mexico paleontology: past and future.

October 16 Talk to 2 anthropology honors classes, Manzano High School, on the history of life.

October 23 Talk to gifted student class Chelwood Elementary School, on dinosaurs.
November  Reviewed part of a new paleontology textbook manuscript for Prentice-Hall Co.

December 19  Taped radio interview, KUNM, on the proposed state natural history museum.


Jan. 7 Talk on New Mexico fossils to Museum of Albuquerque docents.

Jan. 22 Talk to New Mexico Senate Conservation Committee on New Mexico fossils and function of proposed state natural history museum.

Jan. 28-29 Testified as an expert witness at a hearing concerning National Indian Youth Council's suit against the U.S. Dept. of Interior.

Jan. 31 Talk on Vertebrate Paleontology of New Mexico to Geology Dept. colloquium.

Feb. 11 & 21 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).

Feb. 13 Advised New Mexico legislators on Natural History Museum bill being considered.

March 4 Advised Albuquerque Museum on their exhibit of fossils, to be established in June, and the accompanying brochure.
March 8 Talk at awards banquet, Four-Corners Area Expo and Science Fair, Gallup.

March 14 Talk on dinosaurs to Armijo Elementary School class.

April 25 Talk on Sandia Mountains geology and paleontology to YWCA, at their field station in Tijeras Canyon.

May 3 Talk at Geology Dept. public open house, on vertebrate paleontology of New Mexico.

May 12 Testified before Albuquerque City Council on need for a natural history museum.

Stephen G. Wells:


Consultant to Energy Resources, Inc. as aerial photographic interpretation of potential mineral resources in Central New Mexico Pueblo lands.

Consultant to Environmental Improvement Division, Department of Health, State of New Mexico; analysis of groundwater discharge plan for uranium mill.

Consultant to State Engineer's Office of New Mexico, Interpretation of surface features on Tesuque Pueblo for surface water rights litigation.

Reviewed manuscript of text on Groundwater Hydrology for Merrill Pub. Co.

Reviewer for GSA Bulletin article.

Prepared Laboratory Manual for Geomorphology (481L) class.
Reviewed manuscripts (2) for Geology, published by Geological Society of America.

Radio interview concerning stable location of uranium mill tailings (Jan. 1980), KUNM.

Lee A. Woodward:

Reviewed proposals for National Science Foundation.

Member of Advisory Board for New Mexico Energy Institute at New Mexico Tech.
Roger Y. Anderson
Chairperson, Univ. Committee on Paleoecology
Member, A & S advancement committee

Douglas G. Brookins:
UNM Search Committee for director of N.M. Energy Institute-UNM.
Geology Search Committee for Isotope Geochemist
Chairman, Geology Dept., to June 30, 1979
Supervisor for four Ph.D. candidates/aspirants
Member, supervisory committee, four Ph.D. candidates
Reader for four Ph.D. dissertations
Supervisor/Advisor for nine M.S. candidates/aspirants
Member, supervisory committee, for eight M.S. candidates
Reader for four M.S. theses
Supervisor, one senior honors thesis
ex officio member of all Departmental Committees while Chairman,
to June 30, 1979
Conducted briefing on the WIPP Site for the Honorable Pete V.

Search Committee for Visiting Distinguished Professor of
Petroleum Geology

UNM: Search Committee for Director of UNM-NMEI Director
USDOE/ECG—Low Level Waste Management Review Committee
BNWL— Material Characterization Center: Workshop on Leaching of
Radioactive Waste Forms
UNM - Geology: Search Committee for Isotope Geochemist

Jonathan F. Callender:

Appointed Assistant Chair, Geology Dept.
Chairman, Geology undergraduate curriculum committee
Chairman, Overhead and Research Budget Review subcommittee of Research Policy Committee
Member, Comptroller's committee to evaluate A-21
Member, BRSG/SURP review committee
Member, Geology faculty search committee
Supervisor, Geology reading room, thin section laboratory, map room, drafting facility
Member, Basic Skills faculty planning group
Lecturer, College Enrichment Program
Undergraduate and graduate advisor
M.S. and Ph.D. thesis advisor and chairman
Reader and examiner, Ph.D. committee, Princeton University

Wolfgang E. Elston:

Member of departmental Admissions Committee
Search Committee for metamorphic petrologist/clay mineralogist, Sem. I, 1979-80
Chairman of 3 Ph.D. and 8 M.S. committees
Advised numerous mining, oil, and geothermal companies and government agencies on geology and mineral resources of southwestern New Mexico.
Faculty advisor, UNM student chapter of Society of Mining Engineers of AIME.
Participated in telephone calling campaign for high school seniors, Feb. 13, 1980.

Attended meeting on development of direct-application of geothermal energy, with officials of U.S. Department of Energy, and New Mexico Energy and Minerals Department, Santa Fe, Feb. 12, 1980.

Rodney C. Ewing:
Chairman, Department of Geology, July 1 - present
Research Policy Committee, 1978-1979
Overhead & Budget Subcommittee of the RPC, 1978-1979
Faculty Senate, 1978-1980
Senate Committee on Research Policies and Resources, 1978-1979
College of Arts & Sciences Graduate Committee, Fall, 1979
Senate Long-Range Planning Committee, 1979-1980
A-21 Implementation Committee, 1979-1980
A&S Review of TA's and GA's Committee, 1979-1980
Department of Geology Committees:
    Graduate Committee
    Admissions and Financial Aid
    Mineralogist/Petrologist Search Committee
    Stable Isotope Geochemist Search Committee
    Examinations Committee
Office of School Relations Recruitment Calling Campaign (Presidential Recognition Award)
Work Opportunity Research Program Enrollee Supervisor (Certificate of Appreciation)
Administration of the Harding Pegmatite Mine property from 1975 to present. The work has involved the direction and publication of research on the pegmatite as well as numerous presentations before local groups. In addition to museum displays on the Harding pegmatite, a collection of research materials has been incorporated into the University collections.

Supervision of x-ray laboratory facilities.

Raymond V. Ingersoll:
- Member, Geology Department Graduate Curriculum Committee.
- Member, Geology Department Field Exam Committee.
- Member, Geology Department, Isotope Geologist Search Committee.
- Chairperson, Geology Department, Scholarship Committee.
- Member, 13 thesis and dissertation committees.
- Chairperson, 6 thesis committees.
- Graduate and undergraduate advisor.

George R. Jiracek:
- Major advisor to four M.S. and two Ph.D. students.
- Member, Graduate Admissions Committee.

Klaus Keil:
- Administration of Institute of Meteoritics and its collections.
- Chairman and member of several thesis and dissertation committees in the Department of Geology.
- Member of the A & S Committee on Academic Programs.
- Presented talk to prospective new UNM undergraduate students about the merits of UNM as part of the UNM Ambassador Program.

Initiated a cooperative working agreement between UNM and the University of Sao Paulo, Brazil, and was appointed to newly created UNM committee to further such collaboration.

Participated in Parent Day, University of New Mexico.

Chaired the Examinations Committee and Search Committee for a Stable Isotope geochemist and served on the graduate committee, Dept. of 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.

Albert M. Kudo:

Chairman of UNM Science Colloquium Committee

Chairman of UNM-Sandia Colloquium Committee

Thesis advisor of C. Zimmerman and S. Barker

Member of many thesis and dissertation committees

Scholarship and Undergraduate Committee

Barry S. Kues:

U.N.M. Curricula COMMITTEE

Stephen G. Wells:

Graduate Admissions Committee – Geol. Dept.

Scholarship Committee – Geol. Dept.
Faculty Advisor:

MS Students:

W.D. White *
S.J. Anderson *
J.D. Schultz *
A.A. Gutierrez *
D. Rose +
L. Smith +
P. Bauer

PhD:

D.W. Love *

* thesis or dissertation to be completed by Spring, 80
+ students supported by my research grants

Lee A. Woodward:

Member of 15 thesis and dissertation committees; Chairman of 7 of these committees.
9. PUBLIC SERVICE

Roger Y. Anderson:
Lecture, January 79, Unitarian Church, Laguna Beach, CA.
Identifying rocks and fossils for public.

Douglas G. Brookins
Re-elected to Board of Trustees, Congregation Albert
Chairman, Religious School Committee, Congregation Albert
Jewish Community Council, UJA
Information and public comments to League of Women Voters, civic
groups.

Jonathan F. Callender:
Advertising Chairman, New Mexico Geological Soc.; New Mexico area
chairman, Caltech Alumni Fund; Lectures at Sunday School
classes and Albuquerque Public Schools.

Wolfgang E. Elston:
Member, Advisory Board, Explorer Post 296, Boy Scouts of America.

Rodney C. Ewing:
Presentations before local groups and in local schools on
mineralogy and geology.

Klaus Keil:
Many private showings of moon rocks to interested citizens,
school classes, civic groups, etc., 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 "Careers in geological and planetary sciences" at the Career Enrichment Center, Albuquerque, NM., Nov. 20, 1979.


Hosted visit of Astronomy 101 class from New Mexico Institute of Mining and Technology, Socorro, NM, Feb. 13, 1980.


Albert M. Kudo:
President of Grant PTA
Chairman of Earth and Space Sciences, NW Regional Science Fair

Barry S. Kues:
Member of New Mexico Life History Program Advisory Committee, advisory group to the Museum of New Mexico.

Stephen G. Wells:
Work with residents of Tijeras Canyon on water conditions vs. future development.
Volunteer work with Cave Research Foundation
Conducted 3 tours of solar passive home to illustrate success of solar energy.
Jonathan F. Callender:

Rodney C. Ewing:
Travis Russell Ewing, born April 24, 1979.
APPENDIX I

The following students completed degrees during the report period.

B.A.

Robert E. Uecker

B.S.

Herbert Dean Benedict
Carol Jean Cone
Howard Neal Granzow
James Carl Hunter
August Merz III
Claudia I. Mora
Geoffrey S. Plumlee
Michael Warren Putnam
Jeffrey Gordon Ross
Elain Sandra Smith
Elizabeth H. Southwell
Harlan Leigh Stein
Jeffrey E. Walter

M.S.

Kathleen Affholter, "Petrogenesis of Orbicular Rock, Tijeras Canyon, Sandia Mountains, New Mexico" Ph.D. candidate, Virginia Polytechnic Institute

Alberto A. Gutierrez, "Channel and Hillslope Geomorphology of Badlands in the San Juan Basin, Northwestern New Mexico" Hydrogeologist, Radian Corp., Washington, D.C.

Donathon James Krier, "Geology of the Southern Gila Primitive Area, Southwestern New Mexico" Geologist, Seremin, Inc., Reno, Nevada

John Richmond Lawrence, "Geology of the Cerro Del Grant Area, Rio Arriba County, North-Central New Mexico" Consultant, Albuquerque, NM
Tamsin McCormick, "Exsolution in Alkali Feldspars and Implications for the Cooling History of the Battleship Rock Tuff, Northern New Mexico" Ph.D. candidate, Arizona State University.

Harold Roy Northrop, "Oxygen Isotopic Analysis of Silicates and Oxides Using Both Bromine Pentafluoride and Fluorine Gas As Reagents" Ph.D. candidate, Colorado School of Mines

Joseph Knott Register, Jr., "Rb-Sr and Related Studies of the Salado Formation, Southeastern New Mexico" Ph.D. candidate, UNM

Martin G. Steinpress, "Neogene Stratigraphy and Structure of the Dixon Area, Espanola Basin, North-Central New Mexico" Geologist, Santa Fe Minerals, Albuquerque, NM

Michael E. Vazzana, "Stratigraphy, Sedimentary Petrology and Basin Evolution of the Abiquiu Formation, North-Central New Mexico" Environmental consultant, Maine

Roberta E. Widdicombe, "Quaternary Surficial Features in the Delaware Basin, Eddy and Lea Counties, NM" Geologist, Phillips Petroleum, Denver, CO


JAMES LESLIE GOODING, "Petrogenetic Properties of Chondrules in Unequilibrated H-, L-, and LL-Group Chondritic Meteorites" Scientist, Jet Propulsion Laboratory, Pasadena, CA

WILLIAM LAWRENCE MANSKER, "Petrogenesis of Nephelinites and Melilite Nephelinites from Oahu, Hawaii" Visiting Professor, Univ. of New Mexico, Albuquerque, NM

RUBEN MARTINEZ, "Provenance Study of the Westwater Canyon and Brushy Basin Members of the Morrison Formation Between Gallup and Laguna, New Mexico" Geologist, Shell Oil Co., Houston, TX
EDWARD B. NUHFER, "Temporal and Lateral Variation in the 
Geochemistry, Mineralogy, and Microscopy of Seston 
Collected in Automated Samplers (From Selected Lakes in 
Ohio, Pennsylvania, and New Mexico"
Asst. Professor, Univ. of Wisconsin, Platteville, WI

HARRY NICHOLAS PLANNER, "Chondrule Thermal History. Implied 
from Olivine Compositional Data"
Scientist, Los Alamos Scientific Laboratory

THEODORE JOSEPH BORNHORST, "Major- and Trace-Element 
Geochemistry and Mineralogy of Upper Eocene to Quaterna-
ry Volcanic Rocks of the Mogollon-Datil Volcanic 
Field, Southwestern New Mexico"
Post-doctoral position: Michigan Technical University

S. JUDSON MAY, "Neogene Geology of the Ojo Caliente-Rio 
Chama Area, Espanola Basin, New Mexico"
Geologist, Mobil Oil, Dallas, TX

WALTER C. RIESE, "The Mount Taylor Uranium Deposit, San 
Mateo, New Mexico"
Project Geologist, Gulf Minerals, Albuquerque Office, 
Alb., NM
APPENDIX II

The following contracts were in effect during the report period.

<table>
<thead>
<tr>
<th>PRINCIPLE INVESTIGATOR</th>
<th>ACCOUNT #</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ewing, R. C.</td>
<td>281-614-100</td>
<td>75,000</td>
</tr>
<tr>
<td></td>
<td>281-614-200</td>
<td>60,000</td>
</tr>
<tr>
<td>Elston, W. E.</td>
<td>281-710-100</td>
<td>28,820</td>
</tr>
<tr>
<td></td>
<td>281-710-200</td>
<td>26,810</td>
</tr>
<tr>
<td></td>
<td>281-711-100</td>
<td>80,094</td>
</tr>
<tr>
<td></td>
<td>281-830-100</td>
<td>36,753</td>
</tr>
<tr>
<td></td>
<td>281-030-300</td>
<td>301,859</td>
</tr>
<tr>
<td></td>
<td>281-174-200</td>
<td>26,920</td>
</tr>
<tr>
<td>Brookins, D. G.</td>
<td>281-733-100</td>
<td>71,309</td>
</tr>
<tr>
<td></td>
<td>281-538-200</td>
<td>47,117</td>
</tr>
<tr>
<td></td>
<td>281-538-300</td>
<td>36,911</td>
</tr>
<tr>
<td></td>
<td>281-773-100</td>
<td>52,261</td>
</tr>
<tr>
<td>Ingersoll, R. V.</td>
<td>281-670-100</td>
<td>10,000</td>
</tr>
<tr>
<td>Kudo, A. M.</td>
<td>283-040-200</td>
<td>6,000</td>
</tr>
<tr>
<td></td>
<td>283-040-300</td>
<td>7,000</td>
</tr>
<tr>
<td>Husler, J.</td>
<td>281-749-100</td>
<td>16,256</td>
</tr>
<tr>
<td></td>
<td>281-749-200</td>
<td>61,379</td>
</tr>
<tr>
<td>Anderson, R. Y.</td>
<td>281-534-100</td>
<td>82,514</td>
</tr>
<tr>
<td>Wells, S. G.</td>
<td>281-678-100</td>
<td>30,855</td>
</tr>
<tr>
<td></td>
<td>281-678-200</td>
<td>55,279</td>
</tr>
<tr>
<td>Huestis, S. P.</td>
<td>281-730-200</td>
<td>37,000</td>
</tr>
<tr>
<td>Gomez, G. G.</td>
<td>281-873-100</td>
<td>2,500</td>
</tr>
<tr>
<td>Kues, B. S.</td>
<td>281-686-100</td>
<td>19,141</td>
</tr>
<tr>
<td></td>
<td>283-690-100</td>
<td>5,000</td>
</tr>
<tr>
<td>Keil, K.</td>
<td>281-192-800</td>
<td>97,500</td>
</tr>
<tr>
<td></td>
<td>281-206-400</td>
<td>80,671</td>
</tr>
<tr>
<td></td>
<td>281-206-500</td>
<td>85,741</td>
</tr>
<tr>
<td></td>
<td>281-571-300</td>
<td>89,571</td>
</tr>
<tr>
<td></td>
<td>281-571-400</td>
<td>26,624</td>
</tr>
<tr>
<td></td>
<td>281-790-100</td>
<td>27,230</td>
</tr>
<tr>
<td></td>
<td>281-790-200</td>
<td>52,347</td>
</tr>
<tr>
<td>Jiracek, G. R.</td>
<td>281-796-100</td>
<td>54,945</td>
</tr>
<tr>
<td></td>
<td>281-692-100</td>
<td>76,874</td>
</tr>
<tr>
<td></td>
<td>281-694-100</td>
<td>16,995</td>
</tr>
<tr>
<td></td>
<td>281-847-100</td>
<td>28,061</td>
</tr>
<tr>
<td></td>
<td>281-751-100</td>
<td>73,411</td>
</tr>
<tr>
<td></td>
<td>281-816-100</td>
<td>22,683</td>
</tr>
<tr>
<td></td>
<td>281-839-100</td>
<td>54,970</td>
</tr>
</tbody>
</table>

**TOTAL** $1,964,401.
APPENDIX III

The following scientists visited the Department of Geology to present lectures and to discuss their research with faculty and students.

1. Dr. S. M. Aleksandrov, V. I. Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Science of U.S.S.R.
   NAS sponsored visit, June 30 - July 4, 1979

2. Dr. H. D. Holland, Harvard University, Cambridge, Mass.
   "Precambrian Atmosphere and Oceans"
   September 5, 1979

3. Dr. Terrence Gerlach, Sandia Laboratories
   "Chemistry of Volcanic Gases from Basaltic and Alkaline Lavas"
   September 6, 1979

4. Dr. John F. Kerridge, Institute of Geophysics and Planetary Physics, University of California, Los Angeles
   "Origin of Carbonaceous Chondrites"
   October 15, 1979

5. Dr. Rodney Holcombe, University of Queensland, Australia
   "Structural Analysis of a Precambrian Granite Complex in Australia"
   October 18, 1979

   "Estimation of Underground Temperatures in Active Hydrothermal Systems"
   October 24, 1979

   "The Active Hydrothermal System at Yellowstone National Park"
   October 25, 1979

7. Dr. Alfred Liaw, ARCO Oil and Gas Co.
   "Geophysical Projects in ARCO Exploration Research"
   October 25, 1979

   "Origin of Iron and Stony-Iron Meteorites"
   October 26, 1979

9. Dr. Cornelis Klein, Department of Geology, Indiana University
   "Petrology of Precambrian Iron Formations"
   November 1, 1979
10. Dr. John Rundle, Sandia Laboratories, Albuquerque, NM
"The Influence of the Inelastic Properties of the Earth on Quasi-Static Crustal Deformation Patterns"
November 8, 1979

11. Dr. Sam Epstein, Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, CA
"Isotope Geochemistry of Oxygen and Geological Applications"
November 26, 1979

12. Dr. Frank Conselman, Distinguished Professor of Petroleum Geology
"Potential Oil and Gas Exploratory Areas"
December 6, 1979

13. John Valley, University of Michigan
"Stable Isotopic Study of Fluids in Granulite Facies Metamorphism"
February 6, 1980

14. Dr. Richard Steinmetz, Amoco Production Co., Denver and AAPG Distinguished Lecturer
"Energy Update on Oil and Gas Exploration"
February 7, 1980
"The World of Energy"
February 7, 1980

15. Crayton Yapp, California Institute of Technology
"Continental Stable Isotope Evidence for Climatic Change"
February 8, 1980

16. William Carlson, University of California, Los Angeles
"Implications of Aragonite-Calcite Transformation Kinetics for Blueschist Facies Metamorphism"
February 11, 1980

17. Dr. Richard T. Buffler, Geophysics Laboratory, University of Texas, Marine Science Institute
"Geologic History of Deep Gulf of Mexico Basin"
February 11, 1980

18. Theodore C. Labotka, Dept. of Earth & Space Sciences, State University of New York at Stony Brook
"Contrasts in Metamorphic Facies between the Panamint and Funeral Mountains, Death Valley, CA"
February 13, 1980

19. Jeffrey A. Grambling, School of Geology & Geophysics, University of Oklahoma at Norman
"Metamorphism at Truchas Peaks, New Mexico: Aluminum Silicates and Metamorphic Fluids"
February 15, 1980
20. David Bish, Dept. of Geological Sciences, Harvard University
"The Crysta 1 Chemistry of Double Hydroxides: Cation Ordering, Exsolution and Anion Exchange"
February 18, 1980

21. Tony Veneruso, Supervisor of Drilling Technical Division, Sandia Laboratories
"Geophysical Logging"
February 28, 1980

22. Dr. John C. Horne, Research Faculty and Associate Director of Carolina Coal Group
"Application of Depositional Models in Coal Exploration and Mine Planning"
March 5, 1980

23. Don Schueler, WIPP Project Manager, U. S. Department of Energy
"Radioactive Waste - A National Problem"
March 6, 1980

24. Professor S. Keith Runcorn, F.R.S., The University Newcastle Upon Tyne, England
"Lunar palaeomagnetism and its implications for the existence of superheavy elements in the early solar system"
March 24, 1980

"Continental drift and its geophysical mechanism"
March 25, 1980

25. Dr. Don G. Bebout, Bureau of Economic Geology, University of Texas - Austin
"Energy Resources of Water-Bearing Geopressedured Reservoirs"
March 27, 1980

26. Dr. Allan Cox, Stanford University, Stanford, CA
"Microplates in the Western U. S.
March 31, 1980

27. Dr. Michael Beyth, Staff Scientist, Los Alamos Scientific Laboratory
"The Dead Sea - A Saline Lake in the Red Sea Rift"
April 3, 1980

28. Fred Jenkins, Conoco, Albuquerque, NM
"Geochemistry & Base Metal Exploration"
April 7, 1980

29. Dr. M. Jim Aldrich, Staff Scientist, Los Alamos Scientific Laboratory
"Central Appalachian Tectonics"
April 10, 1980
30. Dr. Paul Morgan, New Mexico State University, Las Cruces, NM
"Continental Rift Valleys, Active or Passive: New Data from the Red Sea"
April 14, 1980

31. Dr. Charles Fiori, National Institute of Health, Washington, D.C.
"Dispersive Microanalysis: The Beauty and the Beast"
April 15, 1980

32. Dr. Francis S. Birch, Associate Professor, University of New Hampshire
"Magnetic fabric of the Exeter pluton, New Hampshire: A geophysical petrofabric study"
May 1, 1980
APPENDIX IV

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.

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.

6. Membership in Sigma Gamma Epsilon, a geoscience honorary society, is available to senior majors with high academic standing. See UNM Chapter 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 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 for time and place no later than the first week in September.
<table>
<thead>
<tr>
<th>Year</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st year</td>
<td><strong>Geol. 101</strong>&lt;sup&gt;1&lt;/sup&gt; (Phys. Geol.) 3</td>
<td><strong>Geol. 102</strong>&lt;sup&gt;1&lt;/sup&gt; (Hist. Geol.) 3</td>
</tr>
<tr>
<td></td>
<td><strong>Geol. 105</strong>&lt;sup&gt;1&lt;/sup&gt; (Phys. Geol. Lab) 1</td>
<td><strong>Geol. 106</strong>&lt;sup&gt;1&lt;/sup&gt; (Hist. Geol. Lab) 1</td>
</tr>
<tr>
<td></td>
<td><strong>Chem. 121L</strong>&lt;sup&gt;1&lt;/sup&gt; (Gen. Chem. I) 4</td>
<td><strong>Chem. 122L</strong>&lt;sup&gt;1&lt;/sup&gt; (Gen. Chem. II) 4</td>
</tr>
<tr>
<td></td>
<td><strong>Math 162</strong>&lt;sup&gt;1&lt;/sup&gt; (Calculus I) 4</td>
<td><strong>Math 163</strong>&lt;sup&gt;1&lt;/sup&gt; (Calculus II) 4</td>
</tr>
<tr>
<td></td>
<td><strong>A&amp;S Group Requirements</strong> 3-4</td>
<td><strong>Phys. 160</strong>&lt;sup&gt;1&lt;/sup&gt; (Gen. Physics I) 3</td>
</tr>
<tr>
<td></td>
<td><strong>Total: 15-16</strong></td>
<td><strong>Total: 15</strong></td>
</tr>
<tr>
<td>2nd year</td>
<td><strong>Geol. 311L</strong>&lt;sup&gt;1&lt;/sup&gt; (Mineralogy I) 4</td>
<td><strong>Geol. 312L</strong>&lt;sup&gt;1&lt;/sup&gt; (Mineralogy II) 3</td>
</tr>
<tr>
<td></td>
<td><strong>Math 264</strong>&lt;sup&gt;1&lt;/sup&gt; (Calculus III) 4</td>
<td><strong>Phys. 262</strong>&lt;sup&gt;1&lt;/sup&gt; (Gen. Physics III) 3</td>
</tr>
<tr>
<td></td>
<td><strong>Phys. 161</strong>&lt;sup&gt;1&lt;/sup&gt; (Gen. Physics II) 3</td>
<td><strong>Math 345</strong>&lt;sup&gt;1&lt;/sup&gt; (Statistics) 3</td>
</tr>
<tr>
<td></td>
<td><strong>A&amp;S Group Requirements</strong> 6</td>
<td><strong>A&amp;S Group Requirements</strong> 7-8</td>
</tr>
<tr>
<td></td>
<td><strong>Total: 17</strong></td>
<td><strong>Total: 16-17</strong></td>
</tr>
<tr>
<td>3rd year</td>
<td><strong>Geol. 313L</strong>&lt;sup&gt;1&lt;/sup&gt; (Petrology I) 3</td>
<td><strong>Geol. 314L</strong>&lt;sup&gt;1&lt;/sup&gt; (Petrology II) 3</td>
</tr>
<tr>
<td></td>
<td><strong>Geol. 317L</strong>&lt;sup&gt;1&lt;/sup&gt; (Structural Geol.) 4</td>
<td><strong>Geol. Elective</strong>&lt;sup&gt;1,2&lt;/sup&gt; 3-4</td>
</tr>
<tr>
<td></td>
<td><strong>Geol. 318L</strong>&lt;sup&gt;1&lt;/sup&gt; (Mathematical Methods &amp; Computer Program.) 3</td>
<td><strong>English 219</strong>&lt;sup&gt;1&lt;/sup&gt; (Tech. Writing) 3</td>
</tr>
<tr>
<td></td>
<td><strong>A&amp;S Group Requirements</strong> 6</td>
<td><strong>A&amp;S Group Requirements</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Total: 16</strong></td>
<td><strong>Total: 15-16</strong></td>
</tr>
<tr>
<td>4th year</td>
<td><strong>Geol. 319L</strong>&lt;sup&gt;1&lt;/sup&gt; (Beg. Field Geol.) 4</td>
<td><strong>Geol. 420L</strong>&lt;sup&gt;1&lt;/sup&gt; (Adv. Field Geol.) 4</td>
</tr>
<tr>
<td></td>
<td><strong>Geol. 401L</strong>&lt;sup&gt;1&lt;/sup&gt; (Seminar) 3-4</td>
<td><strong>Geol. 490L</strong>&lt;sup&gt;1&lt;/sup&gt; (Geologic Presentation) 3</td>
</tr>
<tr>
<td></td>
<td><strong>Geol. Elective</strong>&lt;sup&gt;1,2&lt;/sup&gt; 3-4</td>
<td><strong>A&amp;S Group Requirements</strong></td>
</tr>
<tr>
<td></td>
<td><strong>A&amp;S Group Requirements</strong> 6</td>
<td><strong>Electives</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td><strong>Total: 17-18</strong></td>
<td><strong>Total: 1</strong></td>
</tr>
</tbody>
</table>

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  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]

Total Geology hours = 45 maximum.
A&S Group requirements satisfied, with distributed minor.
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 addition, 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 emphasis)

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st year</strong></td>
<td></td>
</tr>
<tr>
<td>Geol. 101(^2)</td>
<td>3</td>
</tr>
<tr>
<td>Geol. 105L(^2)</td>
<td>1</td>
</tr>
<tr>
<td>Chem. 121L</td>
<td>4</td>
</tr>
<tr>
<td>Math 162</td>
<td>4</td>
</tr>
<tr>
<td>A&amp;S Group requirements</td>
<td>3-6</td>
</tr>
<tr>
<td></td>
<td><strong>15-16</strong></td>
</tr>
<tr>
<td><strong>2nd year</strong></td>
<td></td>
</tr>
<tr>
<td>Geol. 311L(^2)</td>
<td>4</td>
</tr>
<tr>
<td>Math 264</td>
<td>4</td>
</tr>
<tr>
<td>Phys. 161</td>
<td>3</td>
</tr>
<tr>
<td>Phys. 163L</td>
<td>1</td>
</tr>
<tr>
<td>A&amp;S Group requirements</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>18</strong></td>
</tr>
<tr>
<td><strong>3rd year</strong></td>
<td></td>
</tr>
<tr>
<td>Geol. 313L (^3)</td>
<td>3</td>
</tr>
<tr>
<td>Geol. 317L(^2)</td>
<td>4</td>
</tr>
<tr>
<td>Geol. 318L(^2)</td>
<td>3</td>
</tr>
<tr>
<td>Geol. 426L(^2)</td>
<td>4</td>
</tr>
<tr>
<td>Math 316 (Differential Equations)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>17</strong></td>
</tr>
<tr>
<td><strong>4th year</strong></td>
<td></td>
</tr>
<tr>
<td>Geol. 319L(^2)</td>
<td>4</td>
</tr>
<tr>
<td>Geol. 401(^2)</td>
<td>1</td>
</tr>
<tr>
<td>A&amp;S Group requirements</td>
<td>6</td>
</tr>
<tr>
<td>Electives(^4)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

1. A&S Group requirements
2. Mathematics
3. Earth Sciences
4. Electives

Term: 3-4
NOTES:

1. This program satisfies the mathematics minor.
2. Required geology course
3. Substitution for Geol. 102-106
4. Suggested electives – senior year:

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phys. 303 (Analytical Mechanics) OR</td>
<td>Phys. 304 (Analytical Mechanics) OR</td>
</tr>
<tr>
<td>305 (Electricity &amp; Magnetism) OR</td>
<td>306 (Electricity &amp; Magnetism) OR</td>
</tr>
<tr>
<td>301 (Heat and Thermodynamics)</td>
<td>302 (Optics)</td>
</tr>
<tr>
<td>strongly recommended</td>
<td>strongly recommended</td>
</tr>
</tbody>
</table>
FOUR-YEAR PROGRAM LEADING TO B.S. IN GEOLOGY  
(for students with PALEONTOLOGY emphasis)

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st year</td>
<td></td>
</tr>
<tr>
<td>Geol. 101¹ (Phys. Geol.) 3</td>
<td>Geol. 102¹ (Hist. Geol.) 3</td>
</tr>
<tr>
<td>Geol. 105¹ (Phys. Geol. Lab) 1</td>
<td>Geol. 106¹ (Hist. Geol. Lab) 1</td>
</tr>
<tr>
<td>Chem. 121L (Gen. Chem.) 4</td>
<td>Chem. 122L (Gen. Chem.) 4</td>
</tr>
<tr>
<td>Math 162 (Calculus I) 4</td>
<td>Math 163 (Calculus II) 4</td>
</tr>
<tr>
<td>Biology 121L (Biol. I) 4</td>
<td>Biology 122L (Biol. II) 4</td>
</tr>
<tr>
<td><strong>16</strong></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td>2nd year</td>
<td></td>
</tr>
<tr>
<td>Geol. 311L¹ (Mineralogy I) 4</td>
<td>Geol. 312L¹ (Mineralogy II) 3</td>
</tr>
<tr>
<td>Math 264 (Calculus III) 4</td>
<td>Phys. 161 (Gen. Physics II) 3</td>
</tr>
<tr>
<td>Phys. 160 (Gen. Physics I) 3</td>
<td>Biology 371L (Invert. Biol.) 5</td>
</tr>
<tr>
<td>Biology 222 (Evolution &amp; Ecology)² 3</td>
<td>A&amp;S Group Requirements 6</td>
</tr>
<tr>
<td>A&amp;S Group Requirements 3</td>
<td></td>
</tr>
<tr>
<td><strong>17</strong></td>
<td><strong>17</strong></td>
</tr>
<tr>
<td>3rd year</td>
<td></td>
</tr>
<tr>
<td>Geol. 313L¹ (Petrology I) 3</td>
<td>Geol. 314L¹ (Petrology II) 3</td>
</tr>
<tr>
<td>Geol. 317L¹ (Structural Geol.) 4</td>
<td>Geol. 411¹ (Invert. Paleo.) 4</td>
</tr>
<tr>
<td>Group 318L¹ (Mathematical Methods &amp; Computer Program.) 3</td>
<td>English 219 (Tech. Writing) 3</td>
</tr>
<tr>
<td>A&amp;S Group Requirements 6</td>
<td>A&amp;S Group Requirements 6</td>
</tr>
<tr>
<td><strong>16</strong></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td>4th year</td>
<td></td>
</tr>
<tr>
<td>Geol. 319L¹ (Beg. Field Geol) 4</td>
<td>Geol. 420L¹ (Adv. Field Geol) 4</td>
</tr>
<tr>
<td>Geol. 401¹ (Seminar) 1</td>
<td>Geol. 490¹ (Geologic Presentation) 1</td>
</tr>
<tr>
<td>Geol. 412 (Index Fossils) 3</td>
<td></td>
</tr>
<tr>
<td>Geol. 441¹ (Strat.-Sed) 4</td>
<td>A&amp;S Group Requirements 9</td>
</tr>
<tr>
<td>Geol. 431L (Palynology-Micropaleo) 4</td>
<td>Geol. 520 (Topics in Geobiology) 3</td>
</tr>
<tr>
<td><strong>16</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

NOTES: ¹Required Geology course  
²Substitution for Physics 262
SUGGESTED ELECTIVE COURSES FOR UNDERGRADUATES INTERESTED
IN PURSUING GRADUATE STUDY IN THE FOLLOWING FIELDS:

GEOCHEMISTRY
* Geol. 505
  Geol. 517 (or Chem. 454L)
** Chem. 311-312
* Chem. 431-432
Math. 265, 312-313, 314, 316
Phys. 301
Phys. 305-306
Phys. 330

Stable Isotope Geochemistry
Instrumental Analysis
Physical Chemistry
Advanced Inorganic Chemistry
Math above Calculus Series
Heat and Thermodynamics
Electricity and Magnetism
Atomic and Nuclear Physics

MINERALOGY
** Geol. 487L
  Geol. 506L
** Chem. 431-432
  Chem. 563
** Math. 265
  Math. 316
** Math. 321

Advanced Mineralogy
Structure Analysis by X-ray Crystallography
Advanced Inorganic Chemistry
Thermodynamics
Vector Analysis
Applied Ordinary Diff. Equations
Linear Algebra

STRUCTURAL GEOLOGY/TECTONICS
  Geol. 215
  * Geol. 427
  * Geol. 525L
  * Geol. 527L
  Civil Engineering 202
** Civil Engineering 302
** Math series as in geophysics program

Interior of the Earth
Solid Earth Geophysics
Comparative Tectonics
Advanced Structural Geology
Engineering Statics
Mechanics of Materials

** 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geol. 225</td>
<td>Oceanography</td>
</tr>
<tr>
<td><strong>Geol. 411L</strong></td>
<td>Invertebrate Paleontology</td>
</tr>
<tr>
<td>*Geol. 412L</td>
<td>Index Fossils and Biostratigraphy</td>
</tr>
<tr>
<td>Geol. 426L</td>
<td>Exploration Geophysics</td>
</tr>
<tr>
<td>Geol. 431L</td>
<td>Palynology-Micropaleontology</td>
</tr>
<tr>
<td><strong>Geol. 441L</strong></td>
<td>Stratigraphy and Sedimentology</td>
</tr>
<tr>
<td>Geol. 442</td>
<td>Petroleum Geology</td>
</tr>
<tr>
<td>Geol. 462</td>
<td>Hydrogeology</td>
</tr>
<tr>
<td>*Geol. 481L</td>
<td>Geomorphology</td>
</tr>
<tr>
<td>Geol. 501</td>
<td>Sedimentary Geochemistry</td>
</tr>
<tr>
<td>Geol. 523</td>
<td>Tectonics of Sedimentary Basins</td>
</tr>
<tr>
<td>*Geol. 544L</td>
<td>Sedimentary Petrology</td>
</tr>
</tbody>
</table>

### Suggested Elective Courses for Undergraduates Interested in Economic Geology or Work in Industry

<table>
<thead>
<tr>
<th>Course</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Geol. 103-107L</td>
<td>Earth Resources and Lab</td>
</tr>
<tr>
<td>**Geol. 410</td>
<td>Geochemistry</td>
</tr>
<tr>
<td>**Geol. 426L</td>
<td>Exploration Geophysics</td>
</tr>
<tr>
<td>**Geol. 441L</td>
<td>Stratigraphy and Sedimentology</td>
</tr>
<tr>
<td>*Geol. 442</td>
<td>Petroleum Geology</td>
</tr>
<tr>
<td>Geol. 462</td>
<td>Hydrogeology</td>
</tr>
<tr>
<td>*Geol. 471L</td>
<td>Mineral Deposits</td>
</tr>
<tr>
<td>Geol. 505</td>
<td>Stable Isotope Geochemistry</td>
</tr>
<tr>
<td>Geol. 510</td>
<td>Advanced Mineral Deposits</td>
</tr>
<tr>
<td>Geol. 525L</td>
<td>Comparative Tectonics</td>
</tr>
</tbody>
</table>

** Very strongly recommended

* Strongly recommended
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 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
APPENDIX V

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 ½ 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 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.
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 ½ 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 \( \frac{1}{2} \) 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\( \frac{1}{2} \) 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 \( \frac{1}{2} \) hour coffee break, the student will be given a comprehensive examination lasting about 1\( \frac{1}{2} \) 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
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).
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. 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.
APPENDIX VI

The following students received scholarships as indicated:

A. El Paso Natural Gas Co. Award

1. Claudia I. Mora $725.00
2. Elizabeth A. Southwell $725.00

B. Leonard Scholarships

1. William R. Morris $100.00
2. John L. Appel $100.00
3. Joseph L. Schutz $100.00
4. James Hunter $100.00
5. William M. Blount $100.00
6. William R. Morris $500.00
7. John L. Appel $500.00
8. Joseph L. Schutz $500.00
9. Rex Lee Baum $500.00
10. Charles Criswell $500.00
11. Kathleen K. Tohe $250.00
12. Dan VanRoosendaal $250.00
13. Sara Z. Laurent $250.00
14. James C. Anderson $250.00
15. Richard Spradling $250.00
16. Mary Lou Leonard $250.00
17. Elaine S. Smith $100.00
18. Howard N. Granzow $100.00
19. Harlan L. Stein $100.00
20. John A. Musgrave $100.00
21. Curtis Kortemeier $100.00

C. Geology Public Service Account
1. Roger S. Miller $100.00
2. Alberto A. Gutierrez $100.00
3. Peter Maggiore $100.00
4. Randy Albright $100.00
5. William J. Cavin
6. Richard P. Lozinsky $150.00
7. Margaret A. Merrick $100.00
8. Sandra J. Anderson $100.00
9. William D. White $100.00

D. Albuquerque Gem & Mineral Club
1. Herbert A. Vogler $100.00
2. Paul W. Bauer $150.00
3. Steven E. Barker $150.00
4. Mark J. Logsdon $144.00

E. Rodney C. Rhodes Memorial Scholarship
1. Terry L. Leyenberger $100.00
2. Robert R. Merker $100.00

F. Gary Flesch Memorial Scholarship
1. Devon E. Rose $200.00
2. Lawrence N. Smith $200.00
3. Jerald D. Schultz $200.00
G. Tenneco Oil Award

1. James C. Hunter $1,230.00
APPENDIX VII

The following graduate students received financial support through the Department of Geology.

<table>
<thead>
<tr>
<th>NAME</th>
<th>TYPE</th>
<th>PRINCIPLE INVESTIGATOR</th>
<th>FUNDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abadie, Toni D.</td>
<td>TA/RA</td>
<td>Ewing</td>
<td>Battelle</td>
</tr>
<tr>
<td>Abashian, Mark S.</td>
<td>RA</td>
<td>Brookins</td>
<td>LASL</td>
</tr>
<tr>
<td>Albright, Randy</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anderson, Sandra J.</td>
<td>TA/RA</td>
<td>Anderson</td>
<td>Sandia</td>
</tr>
<tr>
<td>Andrews, Mary C.</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barker, Steven</td>
<td>RA</td>
<td>Keil</td>
<td>NASA-Houston</td>
</tr>
<tr>
<td>Bullard, Thomas F.</td>
<td>RA</td>
<td>Wells</td>
<td>NMEMD</td>
</tr>
<tr>
<td>Gavin, Wm. J.</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Della Valle, Richard S.</td>
<td>RA</td>
<td>Brookins, Husler</td>
<td>DOE-BFEC &amp; LASL</td>
</tr>
<tr>
<td>Emanuel, Karl M.</td>
<td>RA</td>
<td>Brookins, Husler</td>
<td>NSF, Nat'l. Park Service</td>
</tr>
<tr>
<td>Ganoe, Steven J.</td>
<td>RA</td>
<td>Jiracek</td>
<td>NSF</td>
</tr>
<tr>
<td>Gutierrez, Alberto</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harvey, Bruce A.</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hutchinson, Peter J.</td>
<td>RA</td>
<td>Kues</td>
<td>Museum of New Mexico</td>
</tr>
<tr>
<td>Hicks, Randall T.</td>
<td>RA</td>
<td>Brookins</td>
<td>DOE-BFEC</td>
</tr>
<tr>
<td>Holcombe, Horace T.</td>
<td>RA</td>
<td>Jiracek</td>
<td>DOE</td>
</tr>
<tr>
<td>Kautz, Paul F.</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leonard, Andrew</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lowy, Robert M.</td>
<td>RA</td>
<td>Brookins, Husler</td>
<td>DOE-BFEC, Nat'l. Park Service</td>
</tr>
<tr>
<td>Leyenberger, Terry Lee</td>
<td>TA/RA</td>
<td>Brookins</td>
<td>Sandia</td>
</tr>
<tr>
<td>Name</td>
<td>Relationship</td>
<td>Location</td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------</td>
<td>---------------------------</td>
<td></td>
</tr>
<tr>
<td>Logsdon, Mark J.</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lozinsky, Richard P.</td>
<td>RA</td>
<td>Ewing</td>
<td></td>
</tr>
<tr>
<td>Merker, Robert R.</td>
<td>TA/RA</td>
<td>Ewing</td>
<td></td>
</tr>
<tr>
<td>McKinley, Susan</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maggiore, Peter</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>McCarty, Rose M.</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mahoney, Maureen</td>
<td>RA</td>
<td>Jiracek</td>
<td></td>
</tr>
<tr>
<td>Majumdar, Arunaditya</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Merrick, Margaret</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Miller, Roger S.</td>
<td>RA</td>
<td>Brookins</td>
<td></td>
</tr>
<tr>
<td>Parker, Mark</td>
<td>RA</td>
<td>Jiracek</td>
<td></td>
</tr>
<tr>
<td>Register, Joseph K.</td>
<td>RA</td>
<td>Brookins</td>
<td></td>
</tr>
<tr>
<td>Register, Marcia E.</td>
<td>RA</td>
<td>Brookins</td>
<td></td>
</tr>
<tr>
<td>Reiter, David E.</td>
<td>RA</td>
<td>Husler</td>
<td></td>
</tr>
<tr>
<td>Rose, Devon</td>
<td>RA</td>
<td>Wells</td>
<td></td>
</tr>
<tr>
<td>Rubin, Alan</td>
<td>RA</td>
<td>Keil</td>
<td></td>
</tr>
<tr>
<td>Schmidt, Richard L.</td>
<td>RA</td>
<td>Elston</td>
<td></td>
</tr>
<tr>
<td>Schultz, Jerald D.</td>
<td>RA/TA</td>
<td>Wells</td>
<td></td>
</tr>
<tr>
<td>Smith, Larry</td>
<td>RA/TA</td>
<td>Wells</td>
<td></td>
</tr>
<tr>
<td>Vogler, Herbert</td>
<td>RA/TA</td>
<td>Ewing</td>
<td></td>
</tr>
<tr>
<td>White, William D.</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woodard, Thomas W.</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Young, John D.</td>
<td>TA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
APPENDIX VIII

REPORT OF GRADUATE ADMISSIONS COMMITTEE, DEPARTMENT OF GEOLOGY

FOR SPRING AND FALL, 1980

Ninety-four students applied for admission into the Geology Department's graduate program in 1980; of these, 56 were admitted. A total of 50 were students desiring to work towards an M.S. degree; 6 were Ph.D. students (further information on the characteristics of the applicants is presented in Table 1). The department offered a total of 8 teaching assistantships to potential new students during this time (4 to males; 4 to females). Following a pattern that has been common during the past few years, our top three prospects decided to go elsewhere, whereas the second group of five all accepted our offers and are, or will be, attending U.N.M. New students receiving T.A.-ships are John Young, University of Nevada at Las Vegas; Ellen Lambert, University of Washington; James Salas, Ball State University, Indiana; Mark Picha, College of St. Thomas, Minnesota; and Kevin Guilbeau, New Orleans University. 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.

An analysis of graduate record exam (GRE) scores of this year's applicants (see below) provides a quantitative (albeit limited) measure of their abilities relative to the entire population of students taking the exam.
Accepted applicants
Average raw score: 540 610 590 660
Percentile: 65 71 70 72

Applicants not accepted
Average raw score: 470 580 590 550
Percentile: 44 63 54 42

The average score on the advanced (geology) part of the exam was 660 (72nd percentile), indicating that students accepted into our graduate program fall into the top 25-30% of graduating geology seniors who took the exam. The average for students not accepted was 550 (42nd percentile). By comparison, undergraduate U.N.M. geology majors scored an average of 615 (estimated 60-65th percentile), according to a Sept. 25, 1979 memo from Rodney Young. Thus, seniors graduating from our undergraduate program scored considerably higher than outside students not accepted into our graduate program, but somewhat lower than the average for students accepted for graduate study here. Most of our seniors would stand an excellent chance of being accepted into graduate programs here or elsewhere.
TABLE 1. Information on graduate students accepted into the Department of Geology's graduate program, Spring and Fall, 1980.

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
<th>Minority</th>
<th>Foreign</th>
<th>Total Ph.D.</th>
<th>Total M.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPRING 1980</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applicants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accepted</td>
<td>8</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Not accepted</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>11</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>Total enrolled</td>
<td>6</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td><strong>FALL 1980</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applicants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accepted</td>
<td>36</td>
<td>11</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>44</td>
</tr>
<tr>
<td>Not accepted</td>
<td>28</td>
<td>2</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>29</td>
</tr>
<tr>
<td>Being processed</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>68</td>
<td>13</td>
<td>1</td>
<td>6</td>
<td>5</td>
<td>76</td>
</tr>
</tbody>
</table>

**TOTAL ENROLLED** Information not available until August, 1980.
The Annual Report of the Institute of Meteoritics
July 1, 1979 to June 30, 1980
Klaus Keil, Director

I. General Departmental Information

A. The Institute of Meteoritics, during the present report period, has continued to develop vigorously as one of the most active institutions in the research and teaching of Cosmochemistry and Planetary Geology in the world. Major activities in the Institute concern research, teaching, and public service.

Research activities of staff and students of the Institute of Meteoritics cover a wide range of topics and can be categorized into the following six (6) areas.

1. In past reports, the involvement of the Institute and its staff and students in the analysis of Martian soil samples via a miniturized X-ray fluorescence spectrometer on board the two Viking Mars Landers has been described in detail. This flight research program was completed in March, 1979, and we proposed to NASA a new follow-up program entitled "Chemical weathering on Mars: Theoretical and terrestrial analog studies of possible processes and products". This program was funded by NASA and is the logical extension of the work previously done as part of the Viking Flight to Mars. The purpose of this research is to study terrestrial analogs to the surface materials on Mars and to derive at a model on the origin of the regolith on this planet. Analyses of Martian soil by the Viking spacecraft and earth-based telescopes have been interpreted as indicating a regolith dominated by the weathering products of material of mafic
composition. Basaltic glass has previously been proposed as a more likely precursor than crystalline rock, given the low efficiency of surface weathering under present Martian conditions. On Earth, large volumes of basaltic glass are indicative of the quenching of magma by abundant water. A similar interaction, between magma and ground ice, may have been a common occurrence on Mars. Based on this scenario, palagonite, the alteration product of basaltic sideromelane glass, was studied to determine its resemblance to Martian soil. Samples from Iceland, Alaska, Antarctica, Hawaii, and the deserts of New Mexico and Mexico were examined. Techniques including optical and scanning electron microscopy, electron microprobe analysis, X-ray diffraction, reflectance spectroscopy, magnetic separation and thermogravimetric analysis were employed to characterize the palagonite. We find that this material is a strong analog to the soil of Mars in terms of chemical composition, particle size, spectral signature and magnetic properties, to the resolution of data from Viking and telescopic observations. Our model for the formation of Martian soil begins with eruptions of basaltic magma through ground ice, forming deposits of glassy tuff. The individual glass shards are then altered by low-temperature hydrothermal systems to palagonitic material. Dehydration and aeolian abrasion strip the alteration rinds from the glass and windstorms distribute the silt-size palagonitic fragments in a planet-wide deposit. This new concept has contributed significantly to our understanding of the evolution of this mysterious planet.

2. A second extensive research program involves the study of meteorites (NASA-supported). The main goal of our research is to understand the origin and evolution of stone meteorites and their parent bodies.
We design specific research projects to illuminate one or more of the numerous processes that operated to produce the meteorites and planets. During the report period, we completed projects geared to determining the origin of chondrules in ordinary chondrites, employing both observations of real chondrules (bulk compositions, petrology) and experiments on synthetic compositions. The results suggest that chondrules did not form by direct gas-liquid condensation of the solar nebula but rather by remelting of previously existing heterogeneous solids. The cooling of chondrule melts may have included a period of constant temperature, followed by quenching. We also investigated the effects of thermal metamorphism in ordinary chondrites by measuring the bulk compositions of chondrules in a suite of H3 through H6 chondrites and by making a detailed petrologic study of the matrices of unequilibrated ordinary chondrites. The results indicate that the petrographic sequence was established by metamorphism, but they also emphasize that primary differences exist among the precursor rocks for type 3 through type 6 chondrites. We also studied in detail the origin of chondrites (the whole rocks, not just the components in them), details of the metamorphism of chondrites, chondrite thermal histories, and achondrites. We continued our studies of lithic fragments in chondrites and stressed the similarities in origin of lunar and meteorite parent body regolith breccias. We found that regolith formation on chondritic parent planetesimals began at the time of the formation of these planetesimals, 4.55 billion years ago, and continued until at least ~ 1 billion years ago. Specific projects include the petrology and thermal histories of chondritic breccias; the detailed petrology
of unequilibrated ordinary chondrites; a theoretical, experimental, and observational study of the grain sizes of the minerals in chondrites; the thermal histories of a suite of types 3 through 6 ordinary chondrites; the age and origin of achondritic melt rocks; and a detailed study of the Norton County achondrite, the largest known achondrite in the world (weight 1 ton) which is located in the collection of the Institute of Meteoritics.

3. A third major area of research is the study of lunar rocks (NASA supported). The goals of this work are to elucidate the petrogenesis of the rocks that formed the original crust of the moon and to characterize and determine the origin of mare basalts. Our work during the report period centered around mare basalt petrogenesis (combining trace element data with petrologic data) and regolith dynamics (as revealed by a comprehensive petrographic study of the Apollo 17 drill core), in addition to work on rocks from the ancient lunar highlands. By combining trace element analyses obtained by INAA with detailed mineralogy and petrology we inferred the major characteristics of the source areas of Apollo 17 high-Ti mare basalts, Apollo 17 very-low Ti mare basalts, and Luna 16 aluminous mare basalts. We also developed a model for the depositional history of the regolith sampled by the Apollo 17 drill core; the model is based on modal analyses of a continuous string of thin sections down the core and on the principles of cratering dynamics. In the future, our work will place more emphasis on the petrogenesis of pristine highland rocks. This work will entail identification of pristine clasts in Apollo 16 and 17 breccias, separation of these clasts, and organization of consortia to study them. The initial group of rocks
we will work on include 60035, 64475, 67915, 67210/5, 77517 and 77538. In studying these clasts we will pay special attention to the textures and mineralogies of those pristine rocks with their original textures apparently preserved and to rocks with evolved compositions (such as sodic ferrogabbro clasts in 67915 and immiscible-melt clasts in 77538).

4. Another major area of research is the mineralogic, petrographic and chemical study of meteorites recently recovered in Antarctica (NASA supported). About 10 years ago, a Japanese glaciology expedition found, quite by chance, a large concentration of meteorites on the Antarctic ice. Since then, several Japanese and 3 USA expeditions, specifically organized to recover meteorites, have been active in Antarctica and have recovered about 4,700 meteorite specimens, representing about 850 different falls. This compares to a total of about 1,950 meteorites recovered since the year 1492 to today the world over, an increase of about 40% of all known meteorites in only 10 years. The large concentrations of meteorites on the Antarctic ice are apparently due to the large collecting area of the ice, the excellent preservation of meteorites in the "cold storage" of the ice, and the transport of meteorites with the flowing ice towards the coast of the Antarctic continent, where the meteorites are rejected from the ice as the latter piles up against obstacles such as mountain ranges. We have been given the responsibility to study the over 250 meteorites weighing less than 150 grams, recovered during the 1977 joint USA-Japanese expedition into the Allan Hills region of Antarctica. The large number of meteorites available for study tremendously increases the
probability of finding new, heretofore unknown meteorite types that may significantly increase our understanding of the petrogenesis and evolution of the parent planetesimals of meteorites. Furthermore, we have organized a consortium that includes scientists from UNM, Johnson Space Center, and Oregon State University to study a highly complex breccia from the Bates Nunatak area of Antarctica. Finally, a detailed study of 3 unequilibrated ordinary chondrites from the Allan Hills is in progress with the aim to obtain clues to the mineralogy and chemistry of the most primitive ordinary chondrite material in our solar system.

5. A great variety of individual research projects on the mineralogy, petrology and geochemistry of mafic and ultramafic terrestrial rocks are being carried out in the Institute of Meteoritics and constitute a major area of thesis and dissertation topics. Special areas of interest are basaltic rocks drilled from the ocean floor and recovered from the Hawaiian Islands, in an attempt to understand their petrogenesis and evolution. In the report period, special emphasis was given to study of melilite nephelinite from Oahu, Hawaii, rocks whose magmas were generated at great depth. Also, thesis work on basaltic rocks from New Mexico and Arizona is a major activity.

6. A major, Sandia Laboratory supported research activity in the report period has been the study of tuff and shale in the State of Nevada as potential media for the disposal of high-level nuclear waste. These studies included extensive laboratory work (bulk and trace element analyses; optical microscopy and electron microprobe work) and, particularly, most extensive literature study and field work. The literature study concerned a detailed inventory of
silicic volcanic tuff in the four counties surrounding the Nevada Test Site (Nye, Lincoln, Esmeralda and Clark Counties), as well as a survey of the occurrences of shale of all geological ages in the United States. Furthermore, a field study was carried out for the suitability of shale occurrence as potential media for the disposal of high-level nuclear waste in Northern Nye County, Nevada. Furthermore, staff of the Institute participated in the Sandia tuff heater experiment designed to evaluate the response of silicic tuff to heat generated by simulated high-level nuclear waste. Also, the nature of joints in tuff at the Nevada Test Site were studied in support of this work.

Research in these areas has resulted in the publication of twenty-seven (27) scientific articles in major national and international, reviewed journals (see Da, #s 1-27, of this Report), as well as the publication of twelve (12) abstracts of papers presented at national and international conferences (see Db, #s 28-39). Furthermore, staff and students of the Institute presented the results of their research in the form of thirty (30) professional papers presented before national and international scientific meetings (see Dc, #s 40-69). The heavy involvement of students in the research of the Institute should be noted. Specifically, students were four (4) times senior authors on major scientific publications; eleven (11) times co-authors of major scientific articles; two (2) times senior authors of abstracts; three (3) times co-authors of abstracts; presented three (3) professional talks before national and international meetings; and co-authored six (6) professional talks. We were also successful in attracting many research grants and contracts to the Institute in support of the above-mentioned research. During the report period, grants and contracts totalling
$1,291,612.00 were in effect in the Institute of Meteoritics.

Teaching activities of the Institute of Meteoritics staff concerned formal classes in meteoritics and cosmochemistry, opaque ore microscopy, electron microprobe analysis, high-level nuclear waste disposal, modern analytical techniques in geology and three sections of physical geology (the latter by R. Warner and W. Mansker). In addition, a great deal of emphasis was given to the direction of graduate student research projects, problem courses and dissertations. Furthermore, a number of undergraduate students have actively participated in research with staff members of the Institute of Meteoritics. Three students, W. L. Mansker, J. L. Gooding and H. N. Planner, completed outstanding Ph.D. dissertations in the Department of Geology with research done in the Institute of Meteoritics. J. L. Gooding and H. N. Planner passed with distinction. The dissertation topics are as follows:

W. L. Mansker: Petrogenesis of nephelinites and melilite nephelinites from Oahu, Hawaii.

J. L. Gooding: Petrogenetic properties of chondrules in unequilibrated H-, L-, and LL- group chondritic meteorites.

H. N. Planner: Chondrule thermal history implied from olivine compositional data.

In addition, graduate students (Ph.D. candidates) D. Nealy and A. E. Rubin, doing dissertation research in the Institute of Meteoritics, passed their Ph.D. qualifying exams.

Public Service activities of members of the staff of the Institute as well as students are largely devoted to maintenance and enlargement of the Institute's outstanding collection of meteorites, and making research specimens available to Institute members as well as colleagues in the USA and abroad. Many special, private showings of the Collection,
the Museum, as well as lunar samples were given, frequently on weekends and after-duty hours. Furthermore, many public lectures on meteorites, lunar geology, high-level nuclear waste disposal were given in the State of New Mexico, the USA and abroad. Finally, many rocks suspected to be of meteoritic origin and brought to the Institute by the public were analyzed without charge, and major efforts were made to educate the interested public in the recognition and recovery of meteorites.

The international and national reputation of the Institute is further documented by the many national and international visitors that came to the Institute during the report period, for the purpose of study and lectures. These were:

1. Dr. R. V. Fodor, Dept. of Geology, North Carolina State University, Raleigh, N. C., July 7 - August 10, 1979.


3. Thirty (30) German geology students, from the Technical University, Aachen, West Germany, Sept. 24, 1979.


6. Dr. A. A. Levinson, Dept. of Geology, University of Calgary, Calgary, Canada, Nov. 12, 1979.


10. Mr. Roger Nielsen, Dept. of Geology, University of Texas, Dallas, Texas, Jan. 9-13, 1980.

During the report period, the following faculty, staff, graduate and undergraduate research assistants were employed in the Institute of Meteoritics:

Dr. Klaus Keil, Director
Mary Fillmon, Secretary
Dr. G. J. Taylor, Senior Research Associate
Dr. E. Scott, Research Scientist
Dr. R. Warner, Research Associate
Dr. A. Okada, Post-doctoral Fellow
Dr. C. Allen, Post-doctoral Fellow
Dr. P. Warren, Post-doctoral Fellow
Dr. R. V. Fodor, Visiting Scholar
D. Lange, Staff Scientist
D. Krier, Staff Scientist
G. H. Conrad, Microprobe Specialist
J. Allen, Preparator
Except for the Director (9 months), the Secretary, the Senior Research Associate (80%), the Research Scientist (50%) and the Microprobe Specialist, salaries for all other employees including student research assistants, were entirely derived from outside grants (NASA, Sandia Laboratories).

During the report period, Mr. D. Lange resigned as Staff Scientist and Dr. E. Scott, formerly with the Department of Terrestrial Magnetism, Carnegie Institution of Washington, D. C., was hired as Research Scientist. All other changes in staff concern temporary positions, such as Post-doctoral Fellows and Graduate Research Assistants.

B. Significant Plans and Recommendations

One important and urgent need for the Institute is the addition of a full-time, permanently employed, Ph.D. level Research Associate. The present permanent scientific staff of the Institute consists only of the Director (9 months), the Senior Research Associate (80% time) and one Research Scientist (50% time). All other scientific personnel is on contract and grant salaries. The addition of a second permanent Research Scientist to the staff would allow us to increase our involvement in sponsored research and the cost would ultimately be off-set by increased outside funding that a new person could attract. Specifically, we would like to get involved on a large scale in the study of oceanic basalts drilled from the ocean floor, a project that the present scientific personnel could not do justice to, without neglecting other duties. Consideration of an additional
Research Associate (Ph.D.) for the Institute of Meteoritics is therefore urgently requested.

A further and most important need in the Institute of Meteoritics is the modernization and acquisition of new, major pieces of equipment. Since the appointment of the present Director of the Institute (1968) which carried with it a one-time UNM allotment of $50,000.00 in matching funds for the purchase of our electron microprobe, no equipment purchase in the Institute of Meteoritics has been supported by UNM seed or matching funds. Yet, hundreds of thousand of dollars worth of research and teaching apparatus has been acquired by the Institute on outside grant funds. However, it is becoming increasingly difficult to justify purchase of major pieces of equipment without UNM contributions. One piece of equipment that is urgently needed not only in the Institute but the Geology Department as well, is a scanning electron microscope. As pointed out in last year's Annual Report, I have written a proposal to NASA for the purchase of a scanning electron microscope. I am delighted to report that NASA has approved a total of $45,000.00 towards the purchase of that instrument, but additional funds from UNM ($40,000.00) are required to purchase the instrument, as well as funds to set-up a suitable, vibration-free, air-conditioned laboratory. Applications for such funds will shortly be submitted to the Associate Provost for Research.

II. Composite of Individual Biographical Supplements.

A. Advanced Study

S. Barker

1. Continued progress towards M.S. degree in geology, with part of his research done in the Institute of Meteoritics.
J. L. Gooding

1. Completed and defended Ph.D. dissertation in Geology (With Distinction) with research done in the Institute of Meteoritics entitled "Petrogenetic properties of chondrules in unequilibrated H-, L- and LL-group chondritic meteorites".

M. Jercinovic

1. Continued progress towards M.S. degree in Geology, with research on subglacial volcanism in British Columbia carried out in the Institute of Meteoritics.

W. Mansker

1. Completed and defended Ph.D. dissertation in Geology, with research done in the Institute of Meteoritics, entitled "Petrogenesis of nephelinites and melilite nephelinites from Oahu, Hawaii.

S. McKinley

1. Continued progress towards M.S. degree in Geology, with research on meteorites from the 1977 Allan Hills, Antarctic Expedition, carried out in the Institute of Meteoritics.

D. Nealey

1. Continued progress towards Ph.D. degree in Geology and passed Ph.D. Qualifying Exam, with part of his research on volcanic rocks from the White Mountains, Arizona, carried out in the Institute of Meteoritics.

H. N. Planner

1. Completed and defended Ph.D. dissertation in Geology (With Distinction), with research done in the Institute of Meteoritics, entitled "Chondrule thermal history implied from olivine compositional data".

A. Rubin

1. Continued progress towards Ph.D. degree in Geology and passed Ph.D. Qualifying Exam, with research on lithic fragments in chondrites done in the Institute of Meteoritics.

S. Wentworth

1. Continued progress towards M.S. degree in Geology, with research on Apollo 17 drill core done in the Institute of Meteoritics.
Sabbaticals, Leaves of Absence, Summer Teaching Elsewhere, Travel, etc. During Period

Klaus Keil

1. Pomona, California. Visited Geology Department at Pomona College, California, and discussed joint papers as part of Viking Program with Drs. A. K. Baird and B. C. Clark, July 6-7, 1979.


G. J. Taylor

1. Houston, Texas. Took 4 trips to the L. B. Johnson Space Center during the report period, for the purpose of studying lunar samples and meteorites, and to map complex breccias and extracting clasts.


E. R. D. Scott


R. Warner


3. Toledo, Ohio. Visited the Department of Geology, University of Toledo, and presented 1 talk, Dec. 5, 1979.


D. J. Krier

1. Mercury, Nevada. Numerous trips to the Nevada Test Site, to participate in Tuff Heater Experiment and map joints in tuff.

C. Allen


5. Tempe, Arizona. Visited Dept. of Geology, Arizona State University, to perform experiments on rock samples in simulated Martian windstorm environments, Apr. 7-8, 1980.

P. Warren


2. Los Angeles, California. Visited Dept. of Chemistry, University of California at Los Angeles, to prepare lunar samples for neutron activation analysis, and to discuss forthcoming papers with J. Wasson, June 19-25, 1980.

G. Conrad


A. Rubin


C. New Scholastic Honors, Fellowships, etc.

Klaus Keil

1. Secretary, Commission on Cosmic Mineralogy, International Mineralogical Association.

2. Member, Editorial Board, Journal "Chemical Geology".

3. Member, Editorial Board, Colorado School of Mines Quarterly, Golden, Colorado.


5. Member, Antarctic Meteorite Working Group, National Science Foundation.

6. Member, Search Committee for Editor, Geophysical Research Letters, American Geophysical Union.


9. Member, Editorial Board, Tschermak's Mineralogisch Petrographische Mitteilungen, Vienna, Austria.

10. Member, Nominating Committee, Mineralogical Society of America.

C. Allen

1. Elected to Full Membership, Research Society of Sigma Xi.

P. Warren

1. Elected to Full Membership, Research Society of Sigma Xi.

S. Barker

1. Received scholarship from Albuquerque Gem and Mineral Club.

D. Publications

Listed are only publications that have appeared in the report period. Not listed are papers that are in press or in preparation. Since most publications of the Institute of Meteoritics are co-authored by several members of the Institute, only one list of publications is given, rather than duplicating listings on an individual-by-individual basis. Note that to draw your attention to the active participation of students in research of the Institute of Meteoritics, names of student authors and speakers have been underlined.

a) Scientific articles published in major national and international, reviewed journals; scientific publications of the Institute of Meteoritics; as well as books.


b) Abstracts published in proceedings of meetings and in journals.


c) Professional papers presented (speaker*).


59. K. Keil*: Evolution of our solar system: Evidence from
the study of meteorites and planets. Sigma Xi lecture, New Mexico Institute of Mining and Technology Chapter, Socorro, N. M., Dec. 12, 1979.

60. K. Keil*: Suessite, Fe₃Si, a new mineral from the North Haig ureilite. Chemistry Department, Univ. of California La Jolla, California, Dec. 14, 1979.


E. Other Research Projects or Creative Work in Progress or Completed During Period.

Klaus Keil

The following research grants and contracts were in effect during the report period.


9. Supplement to item 8 .................. 2,500.00


13. Research Grant from NASA L. B. Johnson Space Center, Houston, Texas, entitled "Origin and evolution of the lunar crust and mare basalts".

Total grants and contracts in effect in the report period ............ $1,291,612.00

F. Activities in Learned and Professional Societies

Note: Not listed here are talks presented before meetings of professional societies. These have already been listed under item Dc, "Professional papers presented", and are not repeated here.

Klaus Keil
1. Secretary, Commission on Cosmic Mineralogy, International Mineralogical Association.

2. Member, Search Committee for Editor, Geophysical Research Letters, American Geophysical Union.

3. Chairman, Publications Committee, Geochemical Society and Meteoritical Society.

4. Member, Nominations Committee, Mineralogical Society of America.

E. R. D. Scott
1. Member of the Council, Meteoritical Society.

2. Member, Leonard Medal Committee, Meteoritical Society.

G. Other Professional Activities

Klaus Keil
1. Consultant, Sandia Laboratories, Albuquerque, N. M.

2. Reviewed six (6) lunar sample proposals submitted to NASA for funding.

3. Reviewed eight (8) scientific papers submitted for publication to the American Mineralogist; Earth & Planetary Science Letters; Geochimica et Cosmochimica Acta; Meteoritics; Science; and Nature.

4. Several interviews with Lobo, Tribune and Albuquerque Journal regarding space research in the Institute of Meteoritics.

5. Leader of the consortium study of Lunar Rock 67435 (Pink Spinel Troctolite).


8. Hosted 21 Club Meeting, Albuquerque, N. M.


G. J. Taylor


4. Reviewed one proposal submitted to the National Science Foundation and about twenty proposals submitted to NASA.

E. R. D. Scott

1. Reviewed several papers for Nature and Meteoritics.

R. Warner


C. C. Allen


P. Warren


G. Conrad

1. Participated in Geology Department, UNM, Open House, May 3, 1980.

2. Approximately 10 private tours of the electron microprobe laboratory, as well as showings of moon rocks.

S. Barker

1. Guided approximately 7 groups through electron microprobe laboratory.

2. Participated in Geology Department, UNM, Open House, May 3, 1980.

M. Jercinovic

1. Participated in Geology Department, UNM, Open House, May 3, 1980.

H. Non-teaching University Service

Klaus Keil

1. Administration of Institute of Meteoritics and its collections.

2. Chairman and member of several thesis and dissertation committees in the Department of Geology.

3. Member of the A & S Committee on Academic Programs.

4. Served on UNM - University of São Paulo joint research and exchange program committee.

5. Participated in Parent Day, UNM.

6. Chaired the Examinations Committee and Search Committee for a Stable Isotope geochemist and served on the graduate committee Dept. of Geology, UNM.

7. Served on the A & S Search Committee for a new Dean, UNM.

8. Taped UNM movie on research in Institute of Meteoritics, with emphasis on Mars and cosmochemistry research, Feb. 22, 1980.

A. Okada

1. Analyzed fossil bone for Dr. Minear, UNM Medical School - Anthropology.

I. Public Service

Klaus Keil

1. Many private showings of moon rocks to interested citizens, school classes, civic groups, etc., many of which were after working hours and on weekends.

2. 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.

3. Investigated without charge many rocks suspected to be meteorites and brought to the Institute by citizens.


G. J. Taylor

1. President, Whittier Elementary School Parent-Faculty Club.

2. Member, Committee on School Boundary and Organization, Albuquerque Public Schools.

3. Tour of Institute, microprobe lab to Roy Brown of Johnson Space Center, July 17, 1979.


6. Tour of meteorite museum to 50 students from Jefferson Elementary School, Jan. 11, 1980.

7. Tour of museum and moon rocks to group from A Child's Garden Pre-School, Jan. 12, 1980.

8. Tour of meteorite museum and microprobe lab to students in Geology 410 (Los Alamos), Feb. 23, 1980.


12. Talk and tour of museum to group from Parkland College, June 3, 1980.

13. Tour of museum and lunar samples to students in UNM Summer Enrichment Program, June 18, 1980.

E. R. D. Scott

1. Investigated rock suspected to be meteorite.

C. C. Allen


J. Allen
1. Talk/demonstration to Brownie Troup on "You too can be a scientist", Mar. 1980.
2. Participated in Geology Department, UNM, Open House, May 3, 1980.

J. Personal Information

E. R. D. Scott

A. Rubin
Herewith I submit the Annual Report of the Department of History for 1979-80. During the past year the Department was actively engaged in its teaching function and offered new courses that would be attractive to students in various disciplines. The Department experimented by offering the Basic Skills course for students who were not sufficiently prepared to take regular Freshmen courses.

During the spring of 1980 the Department underwent a transition in Chairpersons with the expiration of Professor Gerald D. Nash's term and the appointment of Professor Janet Roebuck as Chairperson of the Department beginning in the fall of 1980.

While the Department continues to publish the *New Mexico* Historical Review and *The Historian*, it will welcome the *Hispanic American Historical Review*, which will move to the University of New Mexico beginning in July, 1980.

Further details on these developments may be found in the following pages of this report.

I. GENERAL DEPARTMENTAL INFORMATION

A. Significant Achievements

1. The following courses were added to the History Curriculum:

   100. Social Sciences (Basic Skills)

      Cross-listed with: Sociology, Psychology, Anthropology, Political Science, Economics, American Studies.
306. History of Christianity 1517 to Present.

2. The following courses were added to the History schedule under 320, "Studies in History."

"Gods, Myths and Heroes"
"Family in American History"
"History of Christianity"
"The West: Myth and Reality"
"Military History"
"American Religious History"
"Law in History."

3. Activities Beyond the Formal Curriculum:

a. Two History journals, The Historian, Editor Gerald D. Nash and the New Mexico Historical Review, Editor Richard Etulain, continue to publish in the Department.

b. The Low Countries Newsletter was edited by Professor Steven Kramer.

c. Professor John Johnson (Professor Emeritus, Stanford University) will assume the editorship of the Hispanic American Historical Review, in the academic year 1980-81. Professor Peter Bakewell will be Associate Editor and Professor Edwin Lieuwen the Book Review Editor.

d. Professor Steven Kramer was co-director of the French Summer School in Taos in the summer of 1979 and will also assume the same
position in the summer of 1980. Professor Charles McClelland is a member of the faculty of the German Summer School in Taos.

e. The fifth issue of the departmental Newsletter was edited by Professor Anne Boylan and distributed in the spring to 400 universities and History Department Ph.D. alumni.

f. The History Department participated in a workshop on the role and responsibilities of the College of Arts and Sciences in the preparation of public school teachers and development of curriculum. The History Department proposed that a course be offered designed to bring public school teachers at the secondary level into direct contact with new work methods and directions in the teaching of History.

g. The Department of History, the University of New Mexico Committee on Asian Studies and the University of New Mexico Albuquerque Committee on Foreign Relations co-sponsored a conference on "Middle East Oil and New Mexico: The Burning Question." Professors Arnold Kaminsky and Gerald Nash participated in the day-long program. Mr. J. Alan Cope represented the Continental Oil Company and spoke on "Conoco's Perspective."

h. Professor Joyce Lebra, University of Colorado,
Boulder, delivered a public lecture on October 4. Her topic was "Women in Asia."

i. The Departments of History and Political Science co-sponsored the lecture of Professor Melvin Gurtov, University of California, Riverside, on "China-Vietnam Confrontation: A Radical-Humanist Perspective" on October 8.

j. On November 14, Professor John Scarborough, University of Kentucky, gave a public lecture on "Greek and Roman Medicine," and a seminar on "The History of Medicine: Approaches and Problems."

k. The Department was host to Professor Detlef K. Müller of the Pedagogical Institute, University of the Ruhr, Bochum, Germany on March 4. Professor Müller spoke on "School Reform and Society in Nineteenth Century Germany."


m. Professor Michael Weisser, University of South Carolina, conducted a colloquium and gave a public lecture on "The Decline of Spain" on March 6.

n. On April 11, Peter N. Stearns (Heinz Professor of History at Carnegie-Mellon University,) gave a public lecture on "The Old and the New in European Studies."

-4-
o. Professor Dwijendra Tripathi, Professor of Business History at the Indian Institute of Management, Ahmedabad, India was a guest lecturer in the Department on February 11. He spoke on the subject of "Indian Politics since the Election of 1977."

p. Robert K. Massic, internationally known scholar and author, (Nicholas and Alexandra) gave a public lecture on April 10 as part of International Week at UNI on "Reflections on the Russian Revolution."

q. Professor Frank Ikle participated in Japan in Albuquerque symposium in April.

r. Although History enrollments nationally continued to sag, enrollment at UNI in the fall semester remained stable. A slight decrease was noticed in spring semester.

s. The Department polled its graduating seniors in the fall of 1978 and 1979 and found that of those reporting: (54 students) 46 planned to continue their education, 8 did not. Of the group intending to continue, 20 planned to attend UNI. Others expressed an intention to attend the University of Michigan, University of Oregon, University of
Alaska, Rice University, University of San Diego, Cornell, University of Texas, University of Tennessee, Arizona State, Louisiana State, University of Western Florida, and the Dallas Theological Seminary. Fifteen students planned to continue in History. Others intended to major in Economics, Business Administration, Law, Political Science, Education, and Theology. Thirty-three planned to seek a job upon graduation; nineteen did not. Twenty-five had job offers. These jobs included Peace Corps, Air Force, Marines, Navy, Civil Service, Real Estate, salesman, banking, personnel, VISTA, secondary teacher, archeology and fish and game management. Jobs were located in such diverse places as Athens, Greece, Pensacola, Florida, Seattle, Washington, Arkansas, Alaska and Sweeney, Texas.

Approximately 40 parents and faculty met informally in the History Multi-Purpose Room for Parent's Day. They listened to a series of mini-lectures by Professor Charlie Steen ("Medieval Churches of France"), Professor David Maciel, ("Illegal Immigration: Myth or Reality"), Professor
Peter Bakewell ("The Conquest of Mexico").

u. An informal get together for History undergraduate students was held in the departmental Multi-Purpose Room on April 8. Approximately 60 students and faculty attended.

v. The History Department held its annual dinner for faculty, staff and graduate students on April 30.

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. Salome Hernandez was awarded the first France V. Scholes Memorial Award.

c. Graduate Tuition Fellowship was awarded to Peter Linder.

d. The first Dorothy Woodward Memorial Fellowship to aid the research of a graduate student in Southwestern history was awarded to Rosalind Rock.

e. The Charles Florus Coan Award for the graduating senior with the highest GPA was awarded to Peter Linder.
f. The Grunsfeld Award recipients were Thomas A. Simpson and Donna McBroom.

5. TEACHING POSITIONS HELD BY 1979-80 GRADUATES:

Ph.D's.

a. Ronald Carden, South Plains Junior College, Levelland, Texas.

b. Richard Melzer, Parks College

B. APPOINTMENTS TO STAFF

1. Visiting or Part-time Appointments

a. Anne Boylan, Visiting Assistant Professor. U.S. surveys and History of the Family.

b. Roxanne Dunbar-Ortiz, 1/2 time Visiting Assistant Professor; 1/2 time Director Native American Center, Semester I and II, 1978-79.

c. Arnold Kaminsky, Visiting Assistant Professor. Far Eastern History; Basic Skills.

d. Professors Donald Cutter and Carl Hanson taught the History of New Mexico and the History of the Southwest at the Santa Fe Graduate Center.

2. New Faculty Appointments.

a. Richard W. Etulain, Professor of History (American West), Editor, New Mexico Historical Review.

b. David Maciel, Associate Professor (Southwest, Latin America, Chicano History).
c. William Roberts, Assistant Professor
   (U.S., Military History).

3. Assistant Chairman:
   Semester II 1979: Professor Jake Spidle
   Semester I, 1980: Professor Charlie Steen

4. New Staff:
   a. Thelma Clements, Staff Secretary replacing
      Barbara Wilkins, August 1979.
   b. Janna Bryson, replacing Thelma Clements,

PROMOTIONS

Robert Kern to Full Professor

TENURE

Jane Slaughter
II. Composite of information requested on individual biographical supplements: (period January 1 - December 31, 1979).

1. ADVANCED STUDY

DUNBAR ORTIZ, Roxanne

Summer Institute (6 weeks) in Quantification for Historians, Newberry Library, Chicago (Professional Certificate to teach quantitative methodology).

MACIEL, David R.

Post-doctoral study at University of Michigan (Summer, 1979).

ROBERTS, William R.


2. SABBATICALS, SUMMER TEACHING, TRAVEL, ETC.

BAKEWELL, Peter J.

Spring term 1979.

BERTHOLD, Richard 4.

Two months travel in Greece.

BOYLAN, Anne M.

Summer research (June & July), New York, Boston.

CONNIFF, Michael L.

Research in Panama and Jamaica, June-July 1979, for project entitled, "West Indian Negroes in Panama, 1850-1980."

CUTTER, Donald C.


DUNBAR ORTIZ, Roxanne

Consultant and Instructor in the Northern Plains Institute Summer Seminar for Teachers, Univ. of Nebraska, Lincoln. Consultant for UCLA American Indian Research Institute on the Nixon Era.
ELLIS, Richard N. Leave of absence, Spring Semester; travel in Europe.

KERN, Robert Graduate Center, Santa Fe, New Mexico, June-August.

KOLCHIN, Peter Sabbatical, fall semester 1979.


PORTER, Jonathan Travel to Hong Kong and Macau, January.


SPIDLE, Jake W. On special leave (released time) from June 1, 1979 through December 31, 1979, assigned to the Air Force Weapons Laboratory, Kirtland Air Force Base, to write a special project history for the USAF/Air Force Systems Command on the laboratory's high energy laser program.

3. NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

BOYLAN, Anne M. National Endowment for the Humanities Summer Stipend.

CONNIF, Michael L. Received Fulbright award for 6-month research on "West Indian Negroes in Panama, 1850-1930. Special Presidential Recognition award, UNF, for outreach recruitment efforts.

CUTTER, Donald C. Named History Consultant to 16th Air Force. Received grant as
principal U.S. researcher on a cooperative grant project "Research and presentation of Museum Objects ..." under Treaty of Friendship and Cooperation between Spain and the United States for $24,500.

DUNBAR ORTIZ, Roxanne

Nominated by the University of New Mexico administration as one of three humanities scholars for the National Endowment for the Humanities Fellowship.

ELLIS, Richard H.

Senior lecturer at Aarhus University, Aarhus Denmark under Fulbright program. Scholar of the year, American Women's Club in Denmark. Grant from American Women's Club in Denmark for seminar on Western Films.

ETULAIN, Richard W.

President, Western Literature Association, 1978-79.

IKLÉ, Frank W.


KERN, Robert

Membership in Catalan Academy of Arts & Sciences (Associate Corresponding member); Board of Reader, Journal of Modern History, University of Chicago, Chicago, Ill.

KOLCHIN, Peter

John Simon Guggenheim Memorial Foundation Fellowship, 1979-80.

McCLELLAND, Charles E.

Travel and maintenance grant, UNI Research Allocations Committee, May-June 1979.

MACIEL, David R.

Southern Fund Fellowship. Faculty Research Allocations Grant.

ROBBINS, Richard G. Jr.

Selected by the International Research and Exchanges Board (IREX) for participation in the exchange of Senior Research Scholars between the USSR Academy of Sciences and the ACLS.
Slaughter, M. Jane

Nominated by University for Radcliffe College, Bunting Institute Fellowship, Fall 1979.

4. PUBLICATIONS

BOOKS

Dunbar Ortiz, Roxanne


Etulain, Richard W.


McClelland


Nash, Gerald D.

The Great Depression and World War II, St. Martin's Press (1979) 2nd. printing.

Pugach, Noel H.


Roebuck, Janet


ARTICLES

Boylan, Anne H.

"Sunday Schools andChanging Evangelical Views of Children in the 1820s," Church History (September 1979), 320-333.

Conniff, Michael L.

ARTICLES:

CONNIF Contd.


CUTTER, Donald C.


DABNEY, William W.


DUNBAR ORTIZ, Roxanne


ELLIS, Richard N.


ETULAIN, Richard W.


<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRAIWER, Steven Philip</td>
<td>&quot;New Mexico and the Multilingual Experience,&quot; Brochure, (editor) UNM</td>
<td>Printing Plant.</td>
</tr>
<tr>
<td></td>
<td>21-32.</td>
<td></td>
</tr>
<tr>
<td>MACIEL, David R.</td>
<td>&quot;El liberalismo social de Ignacio Ramirez&quot;, Cuadernos Americanos</td>
<td>(Jan. 1979), 25-42</td>
</tr>
<tr>
<td>PORTER, Jonathan</td>
<td>&quot;Foreign Affairs Expertise in the Late Ch'ing: The Career of Chao</td>
<td>Lieh-ven,&quot; Modern Asian Studies, 13, 3 (July 1979), 459-463.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROEBUCK, Janet</td>
<td>&quot;When Does Old Age Begin? The Evolution of the English Definition&quot; in</td>
<td>Journal of Social History, 1979, June, 416-429. With Jane Slaughter,</td>
</tr>
<tr>
<td></td>
<td>105-113. (co-authored with Janet Roebuck).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;Marxism and Feminism: Theoretical Debates in Historical Perspective,&quot;</td>
<td>Marxist Perspectives, Fall 1979, 32-49.</td>
</tr>
</tbody>
</table>
REVIEWS

BAKESSELL, Peter J. Philip W. Powell, Miguel Caldera: the Taming of America's First Frontier (Tucson, University of Arizona Press, 1977), for New Mexico Historical Review, 54:3 (April, 1979), 152-3.


ELLIS, Richard H. Life and Manners in the Frontier Army by Oliver Knight in South Dakota History, Spring 1979, p. 162-3.


KAMINSKY, Arnold P. Various reviews for South Asia in Review, journal.


KRAMER, Steven Philip Review article on "The International Policy of French Socialism" in galleys for Reviews in European History. Book reviews for Commonweal.


SULLIVAN, Donald Trüdinger, Karl Stadt und Kirche im spätmittelalterlichen Würzburg in American Historical Review, 1979, volume 84, pp. 730-731.

5. OTHER RESEARCH PROJECTS

BAKENELL, Peter J.  
Ms. of book on silver mining industry of Potosi, 1545-1650, partly written during sabbatical.

BERTHOLD, Richard M.  
Political history of Rhodes now two-thirds complete.

BOYLAN, Anne M.  
Women's benevolent societies in the U.S., 1800-1840 (research conducted during summer under NEH summer stipend).

CUTTER, Donald C.  
In press, Henry Raup Wagner's 'Tomas de Suria and His Voyage with Malaspina', newly edited with an introduction (Fairfield, WN, 1980?)

DABNEY, William M.  

DUNBAR ORTIZ, Roxanne  

ELLIS, Richard M.  

ETULAIN, Richard W.  
ETULAIN, Richard W. Research Projects continued:


IKLE, Frank W.

- Work completed on article dealing with the role of the Humanities in a post-industrial society, Japan.

KAMINSKY, Arnold P.

- Project Director, November 1979 Symposium on "Middle East Oil and New Mexico: The Burning Question" held at Albuquerque Convention Center.

KERN, Robert

- (Co-editor and contributor), Women and European Radical Politics, accepted by Greenwood Press for publication in 1980, 220 pages.
- (Editor) Labor in New Mexico: Strikes, Unions and the Work Experience, 1870 to the Present, University of New Mexico Press, late 1980.

KOLCHIN, Peter

- Continuing research on comparative study of American slavery and Russian serfdom.

KRAILER, Steven Philip

- New Course in "Law and History" taught jointly with Pam Minzner of Law School. Working on turning lectures into a basic textbook. Editor of Low Countries Newsletter.

LIEUWEN, Edwin


McClelland, Charles E.

- "Historical Method on Either Side of the Rhine," (review essay), Reviews in European History, accepted and forthcoming: "Professionalization and Higher Education in Germany, 1860-1930," (chapter), in
McCLELLAND, Charles E. Research Projects continued:


MAGIEL, David R.


NASH, Gerald D.


PORTER, Jonathan

Research in progress on *Science and Society in China, 1600-1900*.

PUGACH, Noel H.

Sino-American Banking. The China Arms Embargo in the 1920s.

RABINOWITZ, Howard N.

Completed all but final draft of an essay on black politician Holland Thompson of Montgomery, Alabama which will appear in a collection of essays on black political leadership in the South during Reconstruction; editing for University of Illinois Press; continued research for a book on Albuquerque and Sunbelt urbanization 1940-1978; background reading and research for a book on *The New South 1877-1920* to be published by AHP Press; completed several book reviews.

ROBBINS, Richard G. Jr.

ROBERTS, William R. contributing co-editor of an anthology in progress: title, Over the Ramparts.

ROEBUCK, Janet Work on the 1899 test census. Work on turning European studies conference paper into article.

SKABELUND, Donald Summer work on Book manuscript, "A Typology of Thought."


<table>
<thead>
<tr>
<th>Name</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEEN, Charlie R.</td>
<td>Completed revised monograph manuscript on the city of Tournai in the period 1559-1570. Continued translating memoir literature of the period of the revolt in the Netherlands and research into the government of Margaret of Parma in the provinces.</td>
</tr>
</tbody>
</table>

**6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES**

<table>
<thead>
<tr>
<th>Name</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUTTER, Donald C.</td>
<td>Participant in Coloquios de El Escorial, El Escorial, Spain. Member of the LeRoy R. Hafen Award Committee, Colorado Historical Society. Member of Council, Western History Association. Read paper &quot;Spanish Light on Early Hawaii&quot; at Pacific Coast Branch of AHA in Honolulu.</td>
</tr>
</tbody>
</table>
DABNEY, William M.  
Preparation of the Annual Research Roster for the Society for Historians of the Early American Republic.

DUNBAR ORTIZ, Roxanne  

ELLIS, Richard N.  

ETULAIN, Richard W.  
Program chairman, Western Literature Association, 1979; chaired two sessions at the meeting; chaired session at the Western History Association; attended Idaho History Conference, read a paper at WEH sponsored conference at Oregon State University; Executive Council, Western Literature Association.

IKLE, Frank W.  
Attended meeting of Association of Asian Studies, Los Angeles, California, March 29-30. Invited to participate in the Rocky Mountain Southwest Japan Regional Seminar, Boulder, Colorado, 21 April.

KAMINSKY, Arnold P.  
Delivered scholarly papers to Rocky Mountain Conference on British Studies and Western Conference of the Association for Asian Studies. Attended AHA Convention in New York. (RMCBS was in Colorado Springs; WCAAS meeting was in Boise, Idaho).
KERN, Robert

Membership in American Historical Association, European Awards Committee; member, board of directors, Southwestern Labor History Society; member New Mexico Historical Society; member Spanish and Portuguese Historical Society.

KOLCHIN, Peter

Chair of session, "New Perspectives on Reconstruction Historiography," Western Social Science Association convention (April 1979).

LIEUWEN, Edwin


MACIEL, David R.

Member of a Hispanic Task Force for the Latin American Studies Association.

NASH, Gerald D.

Luncheon meeting address, "Phi Alpha Theta and the Historian," Regional Phi Alpha Theta Conference, Las Cruces, NM, April, 1979.
Presented a paper on "Impact of World War II on American Cities in the West," American Historical Association meeting, New York, N.Y., December, 1979.

PORTER, Jonathan

Executive Secretary, Western Conference, Association for Asian Studies. Inaugural meeting of Science, in "Modern East Asia, in conjunction with Association for Asian Studies annual meeting, Los Angeles, 30 March 1979. "Bureaucracy and Science in Early Modern China: The Imperial Astronomical Bureau in the Ch'ing Period," paper delivered at the Pacific Coast Branch meeting of the American Historical Association, Honolulu, 10 August 1979.
PORTER, Jonathan, Activities in Learned and Professional Societies continued:


"Social Structure on Scientific Activity in China during the Ch'ing Period, ca. 1650-1900," paper delivered at the Conference on Science in Modern East Asia, Buffalo, 5 October 1979.

PUGACH, Noel H.

Chairman and Discussant, "Financing Imperialism: Bankers and Politics in Anglo-American China Diplomacy, 1909-1925," a session at the annual meeting of the Pacific Coast Branch of the AHA, Honolulu, Hawaii (Aug. 1979.) "Member, Board of Editors, Pacific Historical Review. Member, Bernath Article Prize Committee, SHAFA.

RABINOWITZ, Howard N.

Coordinator of history sessions for the Western Social Science Association convention, Lake Tahoe, Nevada, April 1979; "Blacks and American Industry," a session chaired at the Western Social Science Association convention, Lake Tahoe, Nevada, April, 1979;

ROEBUCK, Janet


SLAUGHTER, M. Jane


SPIDLE, Jake W.

Read a paper titled "Legislative Critiques of German Colonial Officials" at the American Historical Association's Annual Convention, December 30 in New York City; read a paper titled "How Far Is It from UNM to AFWL?" at the Air Force Systems Command Historian's Conference at Edwards Air Force Base, California, November 6, 1979.

STEEN, Charlie R.

Presented a paper "Change in Governance and the Administration of Justice in Tournai, 1521-1570" at the meeting of the Sixteenth Century Studies Conference at the University of Guelph in Ontario. Placed on the Program Committee of the Western Society for French History.

SULLIVAN, Donald

Chairman/Commentator of session on the medieval university at Rocky Mountain Medieval & Renaissance Association meeting, Flagstaff, Arizona, April, 1979.

7. OTHER PROFESSIONAL ACTIVITIES

BAKEWELL, Peter J. Advised on research proposals for NEH and Tinker Foundation. Briefly consulted by National Geographic magazine.

BERTHOLD, Richard M. Role in "Spring's Awakening" in Spring 1979 - Theater Arts.


CUTTER, Donald C. Professional activities continued:


Speeches to two civic organizations, the Sertoma Club on the Constitution, and the Northwest Kiwanis Club on the Bill of Rights.
DUNBAR ORTIZ, Roxanne


ELLIS, Richard H.

RICHARD ELLIS, Other Professional Activities continued.


ETULAIN, Richard W.

On editorial boards of six scholarly journals; read three books for university presses; refereed six papers for scholarly publication; spoke on behalf of Idaho State University. Sun Valley Institute of the American West (Board of Directors).
IKLE, Frank N.

Lecture at Taos German Summer School on "Tradition and Progress in Switzerland." Organized new course, Seminar on "Women in Asia." Participated on Portales TV Show on Iran, November 9.

KAMINSKY, Arnold P.

Appeared on local TV twice concerning events in Iran and Afghanistan; initiated contacts with APS officials concerning establishment of a better working relationship between the History Department and APS social studies teachers. Delivered local talks to Elks, B'Nai B'rith organization on Mid East and South Asian situations internationally.

KERI, Robert

Organization of the Social and Political Pamphlet Collection, Coronado Room, Zimmerman Library. Six off-campus talks. Membership in Faculty Senate as an elected member. Faculty advisor to PIRG.

KOLCHIN, Peter

Consultant to National Endowment for the Humanities; Reader for Louisiana State University Press; on membership committee of Southern Historical Association.

KRAMER, Steven Philip

Project director, NMHC program on "New Mexico and the Multilingual Experience." Participation in European Studies colloquia in Taos, July 1979.

McCLELLAND, Charles E.

MACIEL, David R.
Panelist and reviewer for NEH.
Reviewer for following journals:
Aztlan, New Mexico Historical Review.
Talks for: Kiwanis Club; Parents
Day; Mexican Independence Day.

NASH, Gerald D.
Speaker at symposium on National
Energy Research sponsored by New
Mexico Humanities Council, November
1979; Address at a conference on
Business in the Public Interest,
Boise State University, Boise, Idaho,
under auspices of Idaho Humanities
Council, May 13, 1979; Consultant
for the National Endowment for the
Humanities for Princeton Press,
Yale Press, and University of Kansas
Press.

PORTER, Jonathan
Talk to Statesman's Club, Albuquerque,
16 April 1979. Talk to Exchange
Address to AAUW Colloquium on China,
Albuquerque, 6 December 1979.

PUGACH, Noel H.
Lecture, "The United States and
China: Are We Prepared for the
Future?", Hadassah Educational Forum,
Albuquerque, March 4, 1979; Lecture,
"The Israeli-Egyptian Peace Negotiations," Sandia High School,
March 7, 1979; Lecture, "The Creation
of the State of Israel and the Arab-
Israeli Conflict," Sandia High School,
April 27, 1979; Lecture, "The Middle
East and the U.S. Role in World Politics,"
The Exchange Club, May 9, 1979.

RABINOWITZ, Howard N.
"Montgomery's Forgotten Black Legacy," a public lecture given in Montgomery,
Alabama, February, 1979; "Alabama
Blacks and Race Relations in Northern
and Southern Cities, 1860-1900," a
public lecture given at the Univer-
sity of Alabama at Birmingham, Bir-
mington, Alabama, February 1979;
Evaluated manuscripts for University
of Chicago Press, Temple University
Press, Prentice Hall, Journal of
Urban History; Consultant, Educa-
tional Testing Service.
ROBBINS, Richard G. Jr.
Talk on Russia at Del Norte High School, May, 1979.

ROEBUCK, Janet
Consultation on basic skills program, Summer 1979; Developed new course. Review of article submitted for publication to *American Historical Review*.

SKABELUND, Donald
Speaker and Panelist, Southwest Conference on Images and Trends, University of New Mexico, April 19-21.

SLAUGHTER, M. Jane

SPIDLE, Jake W.
Served throughout 1979 as professional consultant to the Menaul History Library research project titled "Hispanic Protestants in New Mexico, 1860-1930"; professional reviewer of a lecture within the Experiment in Jewish Learning series titled "Repairing the Irreparable: Jews and Germans since WWII," April 8, 1979.

8. NON-TEACHING UNIVERSITY SERVICE.

BAKEWELL, Peter J.
Latin American Institute, Chairman of Academic programs and Building sub-committees. Hence ex-officio member of Latin American Institute Policy Committee. History Department Curriculum committee.

BERTHOLD, Richard M.
Member Faculty Senate, Fall 1979.

BOYLAN, Anne M.
Editor of the History Department Newsletter.

CONNIF, Michael L.
Chair, Faculty Library Committee, A & S representative to the Faculty Senate, Chair, Latin American Programs, Symposia Committee. Member, Latin American policy committee and library committee; coordinator, Tinker research grant ($20,000).
CUTTER, Donald C.
Chairman, Board of Editors, *New Mexico Historical Review*. Gave workshops for Calvin Horn History Essay contest in Albuquerque, Carizozo, Soccorro and Las Vegas. Spoke to local DAR for UNM Speakers Bureau.

DABNEY, William M.
Member of the Faculty Ethics and Advisory Committee: lengthy hearings in two appeals brought before that committee. For University outreach, College Day at Winrock; Parents' Day on campus.

DUNBAR-ORTIZ, Roxanne
Curriculum Development, Economics 439, "Topics in Indian Development for Tribal Planners". Administration: Coordinator, Native American Studies; development of research, publication. Faculty Adviser--Indian Student org.; Comm. on Intl. Educ. Chair; Affirmative Action Committee; Womens Studies Comm.; Director, Research Project on Indian resources (mineral); Newsletter.

ELLIS, Richard N.
Faculty advisor, Phi Alpha Theta; Faculty advisor, UNM Rodeo Association. Book Review editor, *New Mexico Historical Review*. Director, *New Mexico Oral History Project*; member, Native American Studies Advisory Board.

ETULAIN, Richard W.
Served on three tenure committees; University Press board; doctoral and master's exams at the UNM.

IKLE, Frank W.
Chairman, A and S Committee on Academic Programs; Member, A & S Promotion Committee; Member, Research Policy Committee; Member, Annual Research Lecture Committee, Member, Interdisciplinary Research Committee. Departmental Committees included Chairman's Search Committee, Sabbatical Committee, Search Committee for U.S. Political and Military History position.
Involved in Provost's Task force to develop Basic Skills program over the summer; active on Committee on Asian Studies.

Elected member of Faculty Senate; chair, Subcommittee to evaluate Basic Skills; member, Undergraduate Academic Affairs Committee; Student Standards and Grievance Committee. Helped organize new course; Raices: Spain, Portugal and the Americas.

Editor, History Department Newsletter (Spring 1979); member, History Department Graduate Entrance Committee (Spring 1979); member, General Honors Council (Spring 1979).

Co-director French Summer School, Member, UNM Senate, Academic Affairs Committee; Honorary Degrees Committee, European Studies Committee, presidential committee on revision of student grievance policy, Outreach program.

Chairman, A & S Tenure Committee; Chairman, A & S Latin America Committee; Policy Committee, Latin America Center; A & S Promotion Committee; Dissertation Advisor for 7 Ph.D. candidates.

Chairman, Faculty-Staff Benefits Committee and member, Faculty Senate Welfare and Benefits Committee; member, Faculty Senate; chairman, European Studies Committee.

Latin American Institute Policy Committee. Mexico Cultural Week Coordinating Committee (chair).

History Departmental Chairman. Continued to serve as Editor of The Historian. Selection Committee, Friends of the University Library. Refereed articles for the New Mexico Historical Review.
PORTER, Jonathan  Graduate Adviser History. Member, A & S Graduate Committee. Chairman and member, University Curricula Committee, Chairman, History Dept. Graduate Entrance Committee.

PUGACH, Noel H.  Adviser, Phi Alpha Theta, Spring 1979; Member, Research Allocations Committee, 1979; Chairman, Research Allocations Committee, Fall, 1979; History Department Library Liaison; Department of History Curriculum Committee, Fall, 1979.


ROEBUCK, Janet  President of the Faculty Senate, UNH Ambassadors Program, Presidential Scholars Program, Steering Committee for Gerontology Development.

SKABELUND, Donald  History Department Salary Committee.

SLAUGHTER, H. Jane  Senator, Member of Executive Committee, Chair Faculty Welfare and Benefits Committee; Ad Hoc Committee on Drop Add Policy; Women Studies Committee, Spring 1979; American Studies Committee; Student Standards Committee, Spring 1979; Faculty Ethics and Advisory Committee, Spring 1979; Faculty Advisor, Campus NOW; Research Colloquia Committee, Faculty and Professional Women's Association; University Student Outreach Programs; Member, Board, Faculty Club, Fall 1979; Department: Search Committee, Salary Committee, Sabbaticals Committee, High School Liaison Committee; Honors Committee. Search Committee, Director, Women's Center.
SPIDLE, Jake W.  
Finished term (June, 1979) as Department Assistant Chair; Chairman (August, '79- ), University Visiting Lecturers' Committee.

STEEN, Charlie R.  
Member of the Admissions and Registration Committee until August 21. Undergraduate Advisor for History. Assistant Chair for History. U.C.F. chair for History. Participated in Parents' Day and Senior Day.

SZASZ, Ferenc M.  

9. PUBLIC SERVICE

BAKEWELL, Peter J.  
Talk outlining colonial history of Latin America, Albuquerque High School, 11 October 79.

CONNIFF, Michael L.  
Discussant on A & S-APS Workshop, held at UNM on 11 October 1979. President, Spruce Park Neighborhood Assn.

CUTTER, Donald C.  
Spoke to Immanuel Presbyterian Mariners Group; Panelist for NM Council for the Social Studies program at Convention Center. Research Associate for Museum of New Mexico.

DABNEY, William M.  
Member of the Liturgical Committee, Episcopal Diocese of the Rio Grande; Various other church functions.

DUNBAR-ORTIZ, Roxanne  
Consultation with teachers, administrators, parents in Albuquerque public schools. Fund raising for widows of uranium miners. Consultation with Albuquerque Indian Center—numerous presentations.

ELLIS, Richard N.  
Talk on New Mexico history for high school students and teachers, Roswell, November 10. Talk on Calvin Horn Essay contest, October 6.

ETULAIN, Richard W.  
Sunday School Teacher, Pocatello and Albuquerque, Church of the Nazarene; Chairman, Board of Christian Life (Pocatello, Church of Nazarene). Church Board, Pocatello.
IKLE, Frank W. Chairman, New Mexico Humanities Council. Vice-Chairman, Albuquerque Committee on Foreign Relations.

KERN, Robert Boys Club. AYSO soccer.

KOLCHIN, Peter Lecture on Abraham Lincoln to Kiwanis Club, Rio Rancho branch, February 1979.

KRAMER, Steven Philip Member, Bernalillo County Democratic Central Committee.

PUGACH, Noel H. President, Experiment in Jewish Learning; Chairman, Chavura Hebrew School Committee; Precinct Chairman, Democratic Party.

RABINOWITZ, Howard N. Vice Chairman, Albuquerque Landmarks and Urban Conservation Commission.

ROBBINS, Richard G. Jr. Board Member, Neighborhood housing services of Albuquerque. Board Member, Downtown Neighborhoods Association.

SKABELUND, Donald Several talks to church groups; talk to "Parents Without Partners".

SPIDLE, Jake W. Elected a Ruling Elder at First Presbyterian Church and Clerk of the Session (Executive Comm., Personnel Comm., delegate to Presbytery).

10. PERSONAL INFORMATION


KOLCHIN, Peter Son (Michael) born, February 7, 1979.
WOZNIAK, Frank E., Instructor

2. Sabbaticals, leaves of absence, travel, etc.
Research in Istanbul & Ankara, Turkey (August, 1979)

4. Publications

5. Other Research Projects
Ford Foundation Travel Grant ($750), Turkey, August, 1979. Continued research on the Late Roman/Early Byzantine response to the barbarian invasions of the Balkan peninsula.

6. Activities in learned and professional societies
STAFF APPOINTMENTS

During 1979-1980, the New Mexico Historical Review experienced a number of changes. I arrived August 5, 1979, as the new editor, replacing Donald C. Cutter, Acting Editor, and James T. Stensvaag, Managing Editor. Professors Cutter and Richard N. Ellis returned from sabbatical and Fulbright leave and aided the new editor in assuming his duties. Professor Cutter continues as Chairman of the Board of Editors; Professor Ellis as Book Review Editor.

Through the untimely death of David M. Vigness, the Review lost a member of its Editorial Board and a strong supporter of regional history. Meanwhile, Peter Bakewell of UNM joined the Board and has helped the editor in making several decisions.

In January of 1980, Glenn R. Schwegmann was named Research Assistant (Assistant Editor), a position he will hold until August 1980. Annabelle Oczon has taken over some of the work-study duties, and we hope she will continue to help us next year. Nancy Brown continues to serve as secretary and office manager.
OTHER DEVELOPMENTS IN 79-80

The first issue of the *Review* under my editorship, October of 1979, was three months late in appearing; January 1980, six weeks; but April and July, 1980, have been on time. In fact, we are now ahead of schedule, and during the next year I hope to move ahead quickly and have at least two issues ready before publication time. We must do this because the editor is on a nine-month contract and will be out of the *Review* office for a good share of the summer on research and writing trips.

In addition to catching up with the publication schedule, we have increased the number of manuscripts submitted to the *Review*. In the eleven months since I have arrived, we have considered about 90 essays, which is considerably more than the average of about 30 considered annually in recent years. Some of the 90 essays are holdovers from the previous editor, but most are new submissions. Of these essays we have published 13 items, have accepted about six others, and have rejected more than 40. The remainder are in the varied stages of review or revision.

PROMOTIONAL EFFORTS

For the last two or three years Nancy Brown and Glenn Schwegmann have worked hard to publicize and sell the *Review*; they have continued to do so during 1979-80. The following list indicates the variety of promotional and sales efforts that they have carried out this last year.
Sales Efforts

New Mexico Library Association Conference, Roswell, Schwegmann
Historical Society of New Mexico Conference, Roswell, Schwegmann, Etulain, Brown
Archaeological Society of New Mexico, New Mexico Council of Archaeology, Archaeological Institute of America, joint conference, Santa Fe, Schwegmann
New Mexico High School History Day, UNM, Schwegmann, Bakewell, Brown
New Mexico Association of State and Local History Workshop and Conference, Schwegmann
Mogollon Conference, Las Cruces, Schwegmann
Historical and Underwater Archaeology Conference, Albuquerque, Schwegmann
Land Grant Conference, Albuquerque, Brown, Co-sponsor NMHR
NEA Teachers’ Conference, Albuquerque, Etulain, Brown, Schwegmann
Western History Association, San Diego, UNM Press sponsorship, Etulain
Southwest Neighborhood Conservation Conference, Albuquerque, display
New Mexico State Fair, Schwegmann, Brown, Phi Alpha Theta students
Rancho de Golondrinas festivals, Schwegmann, Brown-Fall
Schwegmann-Spring

NMHR Material in Book Shops

Galeria de los Artesanos, Las Vegas
Singing Wind Book Store, Tucson
Tienda del Museo, Albuquerque Museum
Museum of New Mexico Gift Shop, Santa Fe
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 Book Shop, Socorro
The Swift Lizard Express, Socorro
El Paisano Books, Albuquerque
Quivira Book Shop, Albuquerque
Books By Mail, Albuquerque
Chaves County Museum Shop, Roswell
OTHER ACTIVITIES

In addition to planning, editing, publishing, and distributing of the Review, the staff of the journal tries to be involved in several other activities. First of all, members of the Review staff and Board of Editors have helped sponsor the Calvin Horn Scholarship Awards. To promote this program, the following activities have been carried out:

- Publication of four essays 1979 and two in 1980 NMHR
- State-wide mail coverage, posters, letters to teachers, libraries, principals, state officials, history groups
- Distribution of information and posters via School Relations Office, UNM, to counselors, at recruitment drives
- Promotion of Contest at NEA Conference, State Fair, activities, etc
- Talk at NEA Conference, Albuquerque, Etulain
- Talk at English Teachers’ Council, Santa Fe, Brown
- Writing Workshop, Cutter, Socorro, Carrizozo, Las Vegas, UNM Ellis, Roswell, UNM
- Judging of winners, Board of Editors NMHR
- Contacting winners, school assemblies, awarding scholarships
- Publicity, radio, TV, newspapers, school bulletins, institutional bulletins, cooperation of Frank Martínez, Public Information

The Review has also been involved in other programs, especially through the outreach work of Nancy and Glenn. We have shared information and publicity with several organizations in attempts to promote local and regional history, and we have worked with other agencies in the preparation of public programs. Some of these activities include:
New Mexico Genealogical Society notice in journal
Albuquerque Historical Society Bulletin notice
Chaves County Historical Society Bulletin notice
Maxwell Museum Association newsletter notice
Albuquerque Museum newsletter notice
Colonial New Mexico Historical Foundation, newsletter notice
Alumnus story
Communique Borderlands review commentary, notices
New America journal comments
La Confluencia journal comments
Independent notice
El Palacio journal comments
Lobo notice
TV spot
Radio PSAs, interviews Cutter, Ellis
Howard Bryan column, Off the Beaten Path
Campus News notices
Regular releases to state newspapers, Frank Martinez, UNM
Lecture, Albuquerque Museum, Etulain
Membership local societies, museums, Schwegmann, Brown
Co-sponsored Oral History Workshop, Ellis, Brown, NMHR
Co-directed Albuquerque Centennial activities, Schwegmann, NMHR
Co-sponsored Land Grant Conference, Brown, NMHR
Mailing to state schools, libraries, Rio Grande Writers
Association, historical groups, UNM people, area organizations, institutions with a regional focus, etc. for readers

Journal Exchange Program

Zimmerman Library Serials Department 130 copies NMHR

ACTIVITIES OF THE ACADEMIC STAFF

The professional activities of the editor of the Review, Richard Etulain, and the four resident members of the Board of Editors--Donald C. Cutter, Richard N. Ellis, Peter Bakewell, and Gerald Nash (as Chairman of the UNM History Department) are listed in the Report of the Department of History. These listings include honors, publications, research, and professional and civic responsibilities.
FUTURE PLANS

Generally, the editor is encouraged with what has happened this past year. We are now on time with the Review, we have increased the number of submissions, and I think we are gaining additional notice among professional and lay audiences. While I hope to receive more first-rate essays that need less editing, I am still committed to encouraging a wide variety of writers to submit their writings to the Review. In addition, I shall urge well-known scholars who are working on book-length manuscripts to submit a section for publication in the Review.

I am also planning a few innovations for the journal. Not only have we prepared a special issue on Albuquerque (July 1980); we are also looking for other timely topics that lend themselves to special emphasis. And to provide a bridge between essays and reviews in the Review, I am asking recognized specialists to prepare brief essay-reviews on noteworthy books. We have published an essay-review on recent volumes on overland trails, and others are in preparation on Mary Austin, recent southwestern fiction, and other topics.

Finally, we are looking for ways to expand the number of our readers. We currently have between 1000 and 1100 subscribers, but we would like to increase this number and are considering several techniques by which we can augment our subscription list. Because printing costs are spiraling and salaries ought to be raised, we need to find ways to help raise some of our support. We are trying to do so.
NEW MEXICO HISTORICAL REVIEW

STATISTICS FOR 1979-1980

Manuscript submissions August 1979 to August 1980--90

Subscribers As Of August 1980--1085
Plus Exchanges--115

Funds Raised Through Subscriptions and Sales at Fairs and Professional Meetings, and Back Orders--$12,842.12
I. General Departmental Information

A. The department, with Speech Communications and Theatre Arts, is moving toward shared pooling of instructional equipment for television courses, and inter-departmental instruction, viz. Sp Com 110 Telecommunications, to begin in the Fall, 1980 semester, followed by a "nuts and bolts" TV course covering use of equipment in Spring, 1981. All television students will take these courses, then will pursue application of video methods and equipment in the departments of their majors.

B. Phase IV Allocation of Bond Money enabled the department to improve its closed-circuit TV studio and control room used for production of student news shows. Also, for the first time, a maintenance and repair budget contract for radio-television equipment was obtained, similar to the existing contract for photographic equipment.

The department's needs for typewriter maintenance continues to be sizable, and vexing. Bond money was insufficient to replace 20 vintage manual typewriters used by six sections of beginning news writing students annually—sections enrolling between 16 and 20 students each. These typewriters are sluggish, malfunction often and pose an unnecessary barrier to this department's demands for perfect spelling, rapid assimilation and communication of complex ideas basic to news writing. It's difficult to teach students modern methods with ancient tools.

I again propose transferring 20 electric typewriters from J-214 to Marron 107, and replacing these six year-old electrics with
new models for the intermediate and advanced reporting and writing courses for print and broadcast sequences. It would cost about $10,000 to $12,000, far below an electronic microscope, for example. I request this as a basic item of instructional equipment.

C. Advertising sequence continues to attract strong enrollment with little support beyond one adjunct lecturer. Discussion with him has led to a change in emphasis in the course, giving up for the time being an annual competition in the Rocky Mountain Federation of Advertising Agencies. UNM students have had to compete against majors from universities offering far more intensive and complete curricula. On the plus side, UNM graduates in the advertising sequence are in demand by employers. It may be that closer liaison with The Anderson School of Business Management might help develop a more professional advertising sequence.

D. The value of adjunct instructors to this department is seen in replacements hired temporarily for the 1980-81 sabbatical leave of Professor Charles Coates, sole instructor for broadcast. Bob Grossfield, KOB radio news director, will teach that specialty and Janet Blair, KOAT-TV, will teach television news in Mr. Coates' absence. The department had no success in attempting to hire a broadcast professor to replace Stuart Novins, who was to have retired at the end of the Summer, 1980 session. The entering salary provided for this position was insufficient for the
professionally-tempered type of person we seek: a man or woman who has done commercial radio and television news reporting, photography, editing and direction. A proposed addition of seven broadcast courses to the department's offering will, I think, improve our chances for having this sequence accredited by the American Council on Education in Journalism (ACEJ), just as our news-editorial sequence is, and has been, since the department was organized in 1948. It also requires professionally-oriented faculty. We have resumed a national search for two faculty members, one a broadcast person, but if recent experience prevails, I'm prepared to work with visiting adjuncts. This would provide flexibility while the new course offerings are added to the sequence which also must be adjusted to students already in this sequence. The transition years offer an exciting challenge and opportunity, to better prepare our students and to improve a prevailing good relationship with the profession in the state and in the Southwest. (Two news photography students were hired this summer by the Lubbock Avalanche-Journal; another worked as an intern on the El Paso Times and another on the Santa Fe New Mexican.)

E. In professional relations, I've suggested starting a series of one-day workshops for working journalists in the area. Professor Margaret Hyman will direct the first of these in
the Fall. Response from our professional colleagues has been quite satisfactory, indicating they would like to look to UNM for leadership and assistance.

Professor Fred Bales remains active with the Society of Professional Journalists, New Mexico professional chapter.

Professors Novins and Hyman participated in a careers program for high school students organized by the Albuquerque Press Club and by SPJ. More than 100 students attending heard the keynote address by Mr. Novins. Ms. Hyman was a member of a panel discussing the variety of news media, drawing on her experience as UPI Caribbean Bureau Chief to discuss the wire services.

Professor Lawrence attended a Careers Day organized by Hobbs High School and the Hobbs Chamber of Commerce in March, during spring semester break. He addressed student conferences on careers in journalism, and also visited journalism departments at Chapel Hill and University of Massachusetts, Amherst, in May, just for shop talk.

The scheduled return of Professor Tony Hillerman to this department in August, 1981, is extremely good news. His depth and breadth in all phases of journalism practice and teaching make him invaluable.

II. Composite of information requested on biographical supplements.

1. Assistant Professor Fred V. Bales received his Ph.D. from the University of Texas, Austin, in May, 1980.

2. Associate Professor Charles K. Coates is with the NBC-TV special election team during the first part of his sabbatical leave.
renewing himself in activity preparatory to writing a text for teaching broadcast courses.

3. Professor Hillerman's sabbatical leave, Semester I, 1980-81, will be spent similarly, renewing himself in journalism contacts.

4. Assistant Professor Margaret Hyman has served on the Student Publications Board, participated in a high school Careers Day program as noted earlier. She also worked last summer on the Albuquerque Journal copy desk, to renew her professional credentials.

5. Assistant Professor Novins keynoted the high school careers day program also noted earlier, and has filled a number of speaking engagements in the community, drawing on his 35 years with CBS radio and television.

6. Assistant Professor Lawrence addressed the national convention of the Outdoor Writers of America last July. His topic, "Interviewing the Right Way," was followed by a question and answer session from the floor. He also was chairman of Student Publications Board and served as acting chairman of the department during the late Professor James Crow's sabbatical.

7. The untimely death of Professor Crow July 12, left a deep void in the department, professionally and personally. A memorial scholarship for Native American journalism students was suggested by me, and it has received considerable support from his many friends, and former students, in the profession. Professor Novins
agreed to postpone his retirement until December, 1980, and a visiting assistant professor, Ivan Innerst, formerly with UCLA and Penn State, will teach two of the courses Dr. Crow was to have taught. I appreciate the cooperative spirit of my colleagues in the considerable schedule revamping required as a result of Dr. Crow's death. This includes Mrs. Terry Halpin, department secretary, who—like many secretaries—often does not receive proper acknowledgment.
ANNUAL REPORT OF THE DEPARTMENT OF LINGUISTICS

July 1, 1979 - June 30, 1980

Garland D. Bills, Chairman

I. GENERAL INFORMATION

A. Highlights of the 1979-80 Academic Year

1. Faculty and Administration

In its seventh year the Department continued with a budgeted faculty of only 2.83 FTE: Professor Bernard Spolsky (.33, .67 Graduate Studies), Professor John W. Oller, Jr. (1.0), Associate Professor Garland D. Bills (.50, .50 Modern & Classical Languages), and Assistant Professor Alan Hudson-Edwards (1.0). In addition, Rodney W. Young (Testing Division) held a nonprobationary nonbudgeted appointment as Assistant Professor of Linguistics, and Professor Vera John-Steiner (Educational Foundations) and Assistant Professor Larry Corbet (Anthropology) held nonbudgeted joint appointments in the Department.

The Department was governed by a Voting Faculty of fourteen:
the preceding and Professor Robert White (Secondary and Adult Teacher Education), Associate Professors Dean Brodkey (Elementary Education), Dolores Butt (Communicative Disorders), Jean Civikly (Speech Communication), Marlis Mann (Elementary Education), Leroy Ortiz (Elementary Education), and Roy Pickett (English). Departmental assignments for 1979-80 were as follows:

Policy Committee: Ortiz, White, Young, Bills.
Graduate Committee: Brodkey, Civikly, Pickett, Bills.
MA Examination Committee: Butt, Corbet, Hudson-Edwards.
Tenure/Promotion Committee: Bills, Young, White.

Library Representative: Breckley.

DELC Faculty Advisor: Hudson-Edwards.

Undergraduate Advisor: Hudson-Edwards.

Graduate Advisor: Bills.

The Department's interdisciplinary mission was supplemented by twelve Associated Faculty: John Bergen (Modern & Classical Languages), Philip Bock (Anthropology), Victor Bolie (Electrical Engineering & Computer Science), Matthieu Casalis (Philosophy), Guillermina Engelbrecht (Elementary Education), Rosa Fernández (Secondary & Adult Teacher Education), Michael Hogan (English), Charlene McDermott (Philosophy), Bruce Forch (Neurology), Scott Rushforth (Anthropology), Ellen Spolsky (English), and Marta Weigle (Anthropology). Engelbrecht and Hogan were named to the Associated Faculty last fall.

Continuing to advise and serve the Department in many ways was Professor Emeritus Robert W. Young.

On sabbatical leave in 1979-80 were Professors John-Steiner and Uller for the academic year and Professor Spolsky for the fall semester.

2. Faculty Research, Service, and Honors

Professors B. Spolsky, Engelbrecht, and Ortiz received in October a $47,953 grant from the National Institute of Education for the first year of a three year (10/1/79-9/30/82) $140,000 project titled "Sociolinguistics of Literacy: An Historical and Comparative Study". This study will examine the development of literacy in a number of parts of the world, including northern
New Mexico and the Navajo reservation.

Professor R. Spolsky has received $46,811 from the National Endowment for the Humanities to conduct an NEH Summer Seminar for College Teachers on "Bilingualism: Social and Individual Aspects" in conjunction with the 1980 Institute this summer.

Professor Hudson-Edwards' Voting Rights Project was officially completed last August with the release of a final report that received considerable press coverage throughout the nation. He received a supplementary grant of $15,000 from the Federal Election Commission to conduct several seminars for election officials during the summer and fall of 1979.

Professor Robert Young's Navajo dictionary project was wrapped up this spring with the submission of the complete text to UMM Press for publication with a subvention from the National Endowment for the Humanities. This monumental grammar and dictionary of 1,540 pages is scheduled to appear in July, 1980.

Especially significant among the many honors received and services performed by members of the Voting Faculty this year were the following. Professor John-Steiner was awarded an IREX fellowship last fall for three months' tenure with the Faculty of Psychology at the University of Budapest. She has also just been named director of the Santa Fe Center for Graduate Studies effective for the coming year. Professor B. Spolsky held the Lady Davis Visiting Professorship at the Hebrew University of Jerusalem during his sabbatical last fall. In December he was named chairman of the Board of Trustees of the Center for Applied Linguistics. He is also one of the three editors of the new journal Applied Linguistics published by Oxford University.
Press. Professor Oller, in addition to being invited to teach at
the TESOL Summer Institute at UCLA last year, was one of the two
nominees this spring for the First Vice Presidency of the inter-
national TESOL organization.

3. Students

The Department continues to remain in the dark as far as any
reliable accounting of undergraduate majors and minors.

There were ten students officially enrolled in the VA program
in 1979-80. There was one graduate in December: Kelley Weaver
Donovan.

The new interdisciplinary doctoral concentration in Educational
Linguistics within the 6OE doctoral program was initiated last fall
with the admission of three students; there were 13 applicants for
the five openings for next fall. The concentration is administered
through the Department of Educational Foundations by a committee
composed of twelve members of the Linguistics Voting Faculty, with
Professor Brodkey serving as the concentration coordinator.

Two 1979-80 Ph.D. recipients having a linguistics emphasis
were: Frank W. Hardy (Educational Foundations) with a dissertation
on "Navajo Aspectual Verbal Stem Variation" under the direction of
Professor Oller, and Thomas E. Beck (Secondary and Adult Teacher
Education), whose dissertation on "Reports by Native and Non-Native
Speakers of English on Their Strategies on the Cloze Procedure:
Implications for Language Proficiency Testing and Language Learning"
was directed by Professor White. Beck is now teaching at the
Tokyo University of Foreign Studies, and Hardy has a position at
Southwestern Adventist College in Texas.
Takayoshi Makino, who received the Ph.D. here in Spring 1979 and who is now an assistant professor at Hokkaido University, was awarded the 1979 English Language Education Council of Japan prize for his dissertation entitled "English Morpheme Acquisition Order of Japanese Secondary School Students".

4. Lectures and Visitors

The Duke City Linguistics Circle, superbly guided by Beth Pachak as student president and Professor Hudson-Edwards as faculty advisor, contributed to yet another exciting year of special activities in linguistics. The DCLC directly arranged eight lectures in 1979-80:

Alan Hudson-Edwards (Linguistics, UNM), "Language Death: A Survey of Recent Literature" (September 10).

Steven O. Stout (Southwest Hearing, Speech, and Language Associates, Albuquerque), "American Indian English Compared: Ethnic Perspectives" (October 1).

Michael B. Krauss (University of Alaska), "Materials Development for Alaskan Native Languages" (October 18).

Muriel Saville-Troike (Georgetown University), "Current Issues in First and Second Language Research" (October 25).

John W. Oller (Linguistics, UNM), "Biological, Neurological, and Psychometric Evidence for Language as Intelligence" (November 19).

Victoria A. Fromkin (University of California, Los Angeles), "Psycholinguistic and Neurolinguistic Aspects of Language Development" (February 28).

Carol Westby (Communicative Disorders, UNM), "Development of
Symbolic Representational Systems and Their Relationship to Language" (March 11).

Bernard Spolsky (Linguistics, UNM), "The Languages of Palestine in the First Century: A Venture in Historical Sociolinguistics" (April 23).

Other important linguistics presentations that were promoted by the DCLC this past year included:

Larry Gorbet (Anthropology, UNM), "A Problem in Southwestern Arvil Linguistics" (October 4), sponsored by the Department of Anthropology.

Michael E. Krauss (University of Alaska), "Alaskan Native Languages: Past, Present, Future" (October 16) and "Linguistics and Athabaskan Languages" (October 17), both in the Department of Anthropology's Harvey Lecture Series.

Amado J. Padilla (University of California, Los Angeles), "Children Who Speak Two Languages: A Psycholinguistic Report" (February 29), sponsored by the Department of Psychology.

Linguistics students and faculty also contributed prominently to the activities of the growing New Mexico TESOL Association, presided over this year by Dennis Muchisky, Lecturer in the Intensive English Institute whose appointment is through the Department. For the fall conference at the Albuquerque Convention Center on October 26, Donald Knapp (Temple University) gave the featured address on "What Communicative Competence Is Really Necessary and How We Can Foster It". The spring conference at the Ramada Inn East on April 19 featured Earl W. Stevick (Foreign Service Institute) speaking on
"Who Do Our Students Think They Are Anyway: The Medium is a Message". NMTESOL also sponsored two on-campus presentations: "A Demonstration of Community Language Learning" by Steve Ross and Erlinda Gonzalez Berry (November 29) and "Techniques in Using the Silent Way: English, Japanese, and Farsi" by Ruth Mindell, Steve Ross, and Randy Biggers (February 14).

5. 1980 Institute

The Department has been intensively occupied this year with final preparations for the 1980 Linguistic/TESOL Institute this summer. The Institute will consist of 58 courses offered through eleven departments and taught by 15 local faculty and 32 visiting faculty. A detailed final report will be prepared next fall and appended to the 1980-81 annual report; the following brief notes on confirmed outside support for the Institute will illustrate the significance and magnitude of this undertaking.

Visiting faculty support: $6,800 from the Linguistic Society of America; $10,000 from the TESOL organization; $8,000 from New Mexico State University; $1,500 from the Gulbenkian Foundation; $1,638 from the Center for Applied Linguistics; one air fare from Peru and eight weeks of per diem from Fulbright; one air fare from England from the British Council; and one air fare from Portugal from the Instituto de Cultura Portuguesa.

Student scholarship support: upwards of $45,000 from the Linguistic Society of America, including $25,000 in outright and matching funds from the Ford Foundation; an additional $6,226 directly to UNM from the Ford Foundation; and $1,800 (through the University of Arizona) from the National Endowment for the
Special activities support: $9,315 from the National Endowment for the Humanities for a symposium on Athapaskan linguistics; $7,410 from the National Science Foundation for a symposium on neurolinguistics and bilingualism; $13,646 from the National Science Foundation for a symposium on Uto-Aztecan linguistics; $8,688 from the Ford Foundation for a language policy seminar; $10,086 from the Ford Foundation for a sociolinguistics research training workshop; and $8,555 from the National Endowment for the Humanities (through the University of Chicago) for a lexicography conference. Also relevant here is the $47,000 in National Endowment for the Humanities support of Professor Spolsky's summer seminar mentioned above and the varied linguistic Society of America and the TESOL organization support for the annual summer meetings of these two professional organizations.

II. Future Plans and Recommendations

As in the past, the most pressing future concern of the department is the securing of additional faculty. While the activities of both faculty and students and the hosting of the 1980 Institute bring enormous academic prestige to the University of New Mexico, the program's pursuit of excellence is continuously undermined by serious erosion in staffing. The problems of previous annual reports persist and new losses are suffered: the departure of Professor Spolsky and the reduction to halftime on-campus teaching for Professor John-Steiner with her appointment as director of the Santa Fe Graduate Center.

The Department must have additional faculty. The immediate
approval of a fulltime position effective for 1980-81 is crucial. Another position in Linguistics beginning the following year is essential to recoup diminished strength and to strive for the academic excellence that the Department has demonstrated to be a very real possibility for this university.

C. Appointments to Staff

No budgetary appointments in Linguistics have been made this year. The Department of Psychology has appointed Jean Newman at the assistant professor rank for 1980-81 to partially compensate for the loss of that department's psycholinguistics position last year.

With regard to the Department's Voting Faculty, Professor Civiikly (Speech Communication) was named a permanent member effective 1979-80 upon the resignation of Carol Conrad (Psychology), and Professor Mann (Elementary Education) was added to the Voting Faculty to replace Miles Zintz (Elementary Education).

D. Separations from Staff

Professor Bernard Spolsky has resigned effective July 1, 1980, to take a position in Israel. A replacement position has not been authorized as yet.

Professor Miles Zintz (Elementary Education), a founding member of the linguistics program and member of the Voting Faculty until last year, retires this spring. Professor Ellen Spolsky, a member of the Associated Faculty, resigned from the University at the end of the 1979-80 year.
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 1979 are included.

2. Sabbaticals, leaves of absence, etc.

Vera John-Steiner  
Sabbatical leave in Hungary during fall; additional travel to France, Italy, and Spain.

John W. Oller, Jr.  
Taught at UCLA for 1st TESOL Summer Institute, 1979. Sabbatical leave during fall spent in Albuquerque with some travel.

Bernard Spolsky  
Sabbatical leave in Israel during fall.

3. New scholastic honors, fellowships, etc.

Vera John-Steiner  
IREX Fellowship, 9/15-12/15/79, attached to Faculty of Psychology, University of Budapest.

Bernard Spolsky  
Held the Lady Davis Visiting Professorship at the Hebrew University of Jerusalem, Fall 1979.

4. Publications

Garland D. Bills  

Larry P. Gorbet  

Alan Hudson-Edwards  
Bilingual Elections: A Handbook of Ideas for Local Election Officials. Washin-


"Explaining the Reliable Variance in Tests: The Validation Problem" in


5. Other Research Projects or Creative Work

<table>
<thead>
<tr>
<th>Name</th>
<th>Project Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rodney W. Young</td>
<td>&quot;Fourth Annual Report on the Undergraduate Assessment Program&quot;</td>
</tr>
</tbody>
</table>

6. Activities in Learned and Professional Societies

<table>
<thead>
<tr>
<th>Name</th>
<th>Activities</th>
</tr>
</thead>
</table>
Vera John-Steiner


Member, Commission on Multilingual/Multicultural Early Childhood Education, National Association of the Education of Young Children.

Invited presentations at the Psychological Institute, Linguistic Institute, and Sociological Institute of Hungarian National Academy of Science.

John W. Oller, Jr.


With S. Chesarek.


"Reflections on Pragmatics", plenary address at the Spring Conference of the New Mexico TESOL Association, Albuquerque, April 1979.
"Language or Intelligence?" lecture presented at the 6th annual Student Research Conference, ENMU, Portales, April 1979.

"Language, Biology, and Pragmatics", keynote address at the annual meeting of the Colorado TESOL Association, Denver, CO, November 1979.

Nominated to run for First Vice President of TESOL organization.

Bernard Spolsky

Delivered Presidential Address at the annual TESOL Convention, Boston, MA, February 1979.

"The Unresolved Tension", plenary address at the annual state convention of Illinois TESOL and Bilingual Education, Chicago, IL, March 1979.

"The 'O' in TESOL", plenary address at the Spring Conference of the New Mexico TESOL Association, Albuquerque, April 1979.


Chairman, Board of Trustees, Center for Applied Linguistics, Arlington, VA.

Rodney W. Young

"A Sensible, Interesting, Organized, Rhetorical Procedure for the Grading of Student Essays", paper presented
at the Conference on College Composition and Communication, Minneapolis, April 1979. With Linda Brodkey.

7. Other Professional Activities

Vera John-Steiner
Frequent consultant to the Public Education Division of the Ford Foundation.
Danforth Fellow, 1976-82.
Member, Research Advisory Committee, CEMREL, Inc.
Member, Advisory Board, ERIC Clearinghouse on Urban Education.
Two-day workshop on cognitive mapping, Bank Street College of Education, June 1979.

John W. Oller, Jr.
"The Validity Problem in Test Construction", lecture presented at Concordia University, Montreal, Canada, April 1979.
Consultant, Resource Development Institute, Austin, TX, on the development of the Measure of Adult English Proficiency and a test for Bilingual Vocational English Proficiency.
Consultant, Committee on Tests, Quebec Ministry of Education, two-day meeting, April 1979.
Consultant, Lau Center, San Diego State University, San Diego, CA, July and August 1979. Curricula and testing.

Bernard Spolsky
Conducted colloquium on "Applying Linguistics" at Bar-Ilan University, Jerusalem, Israel, November 1979.
Rodney W. Young  Consultant, English Composition Project, New Mexico Tech.
Presentation on Individual Differences as a Neurolinguistics Phenomenon for an NEH funded writing workshop at East Texas State University, Commerce, TX, July 1979.

8. Non-teaching University Service (all these faculty are also members of the Planning Committee for the 1980 Institute and of the Educational Linguistics doctoral concentration faculty)

Garland D. Bills Chair, Linguistics.
Director, 1980 Linguistic/TESOL Institute.
Chair, Search Committee for Navajo, Modern and Classical Languages.

Larry P. Corbet Faculty Senate.
Faculty-Staff Welfare and Benefits Committee.
Arts and Sciences Graduate Committee.
Head, Anthropology Graduate Committee.
MA Examination Committee, Linguistics.

Alan Hudson-Edwards Undergraduate advisor, Linguistics.
Faculty advisor, Duke City Linguistics Circle.
Arts and Sciences Graduate Committee.

Vera John-Steiner Research Policy Committee.


Rodney W. Young Student Affairs Committee.
Information Exchange Group.
Visiting Lecturers Committee.
Policy Committee, Linguistics.
Tenure/Promotion Committee, Linguistics.
MA Examination Committee, Linguistics.
UNM Living Learning Environment Committee.
Basic Skills Evaluation Committee.

9. Public Service

Garland D. Bills Talk on linguistics to gifted children, Sierra Vista Elementary School, November 1979.

Vera John-Steiner Occasional speaker for Unitarian Church and Jewish synagogue in Santa Fe.
During the academic year 1979-1980 the Department provided instruction to 11,943 students totalling 38,922 credit hours (these figures reflect the 21-day status). This is a increase of 1103 students and 3,676 credit hours compared to the Academic year 1978-1979. A large part of this increase (814 students), but not all of it, is due to Math 100.

I. GENERAL DEPARTMENT INFORMATION.

A. SIGNIFICANT ACHIEVEMENTS.

The department has operated most of this academic year with an acting chairman. This was made necessary when the Department Chairman, Richard Griego, assumed full time duties as Director of the Resource Center for Science and Engineering at the beginning of the third year of a three year term. There has also been a transition to the newly elected/appointed chairman, W.T. Kyner. His term will also be for three years. None-the-less, a great number of achievements and plans can be logged.

Perhaps the most significant development this past year, in terms of time and effort by the department and the chairman, has been the introduction of the basic skills program in mathematics - Math 100. However, the mathematics department is not willing to
list this as an achievement just yet. While we await the final analysis of the program, we have preliminary indications that our best efforts may not be academically successful. It should be remembered that Math 100 consists of arithmetic from the middle school and introductory algebra from the ninth grade. For the deficient student to make up two or more years of material in one semester may not always be possible. In addition, the funding for our department to do this job has been thin. For example, our request that the ACT cut score for Math 100 be changed for the Fall 1980 semester in order to solve some of the academic problems was set aside due to funding difficulties.

Revising our graduate program three years ago into three subject areas (applied mathematics, pure mathematics, and applied statistics) has proven to be a (moderate) success. Our graduate enrollment has begun a recovery as indicated by the number of graduate students listed at the end of this section. An innovative feature of the graduate program is the practicum project for students with local industry. We continue to have more requests for practicum arrangements from industry than we have students ready to fill these requests.

This department has been quite successful in hiring new faculty this past year. To mention one, Dr. Carla Wofsy will join our staff beginning this Fall 1980 semester. She is a bio-mathematician with an established research record. Our department has a number
of faculty in applied mathematics and statistics with interests in biological models and who have interaction with UNM's medical school, and the department of biology. In addition, the curriculum has been changed so that biology students who did take Math 180 will take a special calculus course with biological applications. Dr. Wofsy will be able to interact both with the applied mathematicians and the statisticians and provide a focus for all these activities thereby forming a recognizable group in bio-mathematics.

We have begun to strengthen our programs by involving local professional mathematicians. We have made adjunct professor appointments for H.T. Davis, a statistician in private practice, and Richard Hanson, a numerical analyst at Sandia Corporation. Other such appointments are now being arranged.

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 Research Career (MARC) Program continues into its third 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

-3-
four fellowships to minority and/or women graduate students in our department.

Another area of achievement in our department has been the ability to govern ourselves well (a judgement of this Chairman). A significant evaluation of our faculty's teaching load was done two years ago; and an even more far-reaching re-evaluation was accomplished this year. In this re-evaluation teaching loads were increased for nearly a third of our faculty; and the extra teaching capability beginning this Fall 1980 semester, will immediately be consumed in the additional sections of freshman mathematics needed for increased enrollments in courses other than Math 100. Perhaps another indication of this area of achievements is the number of mathematicians "on loan" to other parts of the university. Richard Griego is full-time director of the southwest Resource Center, Cleve Moler will be the Chairman of the Computer Science Department in the College of Engineering for a three year term, Richard Metzler will spend half time as Associate Dean of the College of Arts and Sciences this next year, and David Sánchez is beginning a term as presiding officer of the Faculty Academic Senate.

This past year has seen some important developments in curriculum. An honors calculus sequence which has been offered
over the past few years has been formalized with separate course
numbers, Math 172 and 173. Special sections of Math 180 Calculus
with biological applications have been introduced for biology
majors; a 1-unit Math 295 course on professional careers for math-
ematics majors has been introduced. The Anderson School of Man-
agement requested that their students be taught statistics at a
higher level than our Math 102. After unsuccessfully trying to
combine their students with engineering students in Math 345, we
are introducing a new course, Math 245, with a one semester calculus
prerequisite. There have been talks with the College of Engineering
and particularly the Department of Computer Science on revising
existing mathematics service courses. There continues to be mod-
ifications to our newly instituted graduate program with a revised
departmental hand book for graduate students issued this summer.

Our Department has joined with the College of Education and
the Albuquerque Public Schools to form the Joint Mathematics
Advisory Committee. This committe is making recommendations on
college mathematics curriculum to strengthen the mathematical pre-
paration of all prospective elementary and secondary teachers. The
committee's concern about accreditation of mathematics teachers in
the elementary and middle schools will be on the agenda of the State's
Educational Standards Committee this fall. It is hoped that this
committee can have some favorable impact on the mathematics in-
struction state wide. This seems the best way to deal with the
mathematics remedial problems at the university level.

The Department Colloquium Series under the joint guidance of Professors David Sánchez and Bernard Epstein featured forty speakers this year. Speakers came from such U.S. schools as Stanford, University of Chicago, University of Washington, University of Utah (2), UCLA (3), Arizona State (2), University of Maryland, MIT, Pennsylvania State University, Purdue, Rice, University of Michigan, Carnegie-Mellon. Foreign speakers were from the University of South Wales, Cameroon-University of Yaounde, Bedford College in London, Akademie de Wissenschaften - Germany. We also had speakers from Los Alamos Scientific Laboratories, Sandia Corporation, Navel Research Labs., Oakridge National Laboratories in Tennessee and U.S. Navel Weapons Center. Six 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 Department had four visitors this year - they were: Professors R.D. Branstetter, San Diego State University, Sem II, Robert Boland, Clemson University and currently with Kirtland Air Force Base, I, and II, [Dr. Boland received an Adjunct Professor appointment], Richard Gibbs, Fort Lewis College, Durango, Colorado, I and II, and Larry Kugler, University of Michigan, Sem. II.

Laura Cameron was promoted to Lecturer III beginning 1980/81.
Enrollment figures for Graduate Students are listed for the past eleven years:

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 57 Full-time students, 46 part-time students.

Enrollment for Undergraduate Math Majors for the past eight years:

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


Ph.D. 3 1 6 6 5 5 5
Master's 5 7 5 7 5 4 8
B.S. 20 15 20 32 30 35 24
B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

The size and complexity of the Department of Mathematics and Statistics now demands a reorganization of the administration in the Department. Laura Cameron has been appointed to the newly created position of Director of Freshmen Mathematics which will be a three quarters time administrative position. The mathematics staff offices will be remodeled to reflect this reorganization. Office staff duties will also be reorganized.

The Department plans to do its own evaluation of the basic skill Math 100, and participate actively in the decision processes concerning the experimental program in basic skills.

Increasing enrollments in mathematics even without considering Math 100 has pushed our budget out of the traditional pattern. We have doubled the number of sections taught out of the part-time budget. We have approval for next year only to increase the number of Teaching Assistants in our department from 22 to 24. We have approval for next year only to hire two part-time lecturers on a full-time basis. We need to convert some of this teaching responsibility into regular faculty lines on our budget. Another major problem to be solved this next year will be to budget the department's student help at a reasonably current expenditure level. The expenditures are absolutely necessary in mathematics and our college continues to meet the need, but it would be better if it appeared in the budget (this Chairman's judgement).
The mathematics placement procedures included help from the A & S Advisement Center this past Summer. Since they do not seem anxious to continue, the procedures for next Summer will need to be revised to a smaller effort or some extra advisors will need to be hired.

The Secondary School Mathematics Contest conducted statewide by our Department until it was not funded for the 1979-80 year was missed by many students and teachers in New Mexico. It will be offered this next year.

The new Chairman, Walter T. Kyner, plans to encourage the research effort of the Department’s faculty. We will be seeking to hire a numerical analyst to replace Cleve Moler.

C. APPOINTMENTS TO STAFF.

This was Evangelos Coutsias's first year with us on a tenure-track three year term appointment as an Assistant Professor in Applied Mathematics. Patrick Miller and Timothy Straney each began a three year term contract as lecturers this year. We were fortunate to hire a bio-mathematician, Carla Wofsy, and a global analyst, Howard Fegan. Both Carla Wofsy and Howard Fegan are on a tenure-track appointment Code 4.

Appointments to Adjunct Professors include Dr. H.T. Davis in private practice and Dr. Richard Hanson at Sandia Laboratories.
D. SEPARATIONS FROM STAFF.

James Lewis retired from our department June 1980. He plans to continue his research efforts in environmental science and his contact with the department.
II. COMPOSITE OF INFORMATION REQUESTED ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS.

1. ADVANCED STUDY.

Timothy B. Straney: Course work in computer science, UNM.

2. SABBATICALS, LEAVES OF ABSENCE, TRAVEL, ETC.

Ralph E. DeMarr: Spring 1979, University of California, Santa Barbara.

Donald W. Dubois: Spring 1979, Universidad Computense de Madrid; University of Barcelona, Spain, delivered lectures at both universities.

Richard M. Grassl: Spring 1979, University of Surrey, Guildford, England. Gave graduate-faculty seminar at Univ. of Surrey on recent developments in plane partition theory. Also, presented by invitation, a colloquium talk at the University of North Wales, Bangor on April 27, 1979.

Richard J. Griego: taught summer course (one week) at Universidad Nacional Autonoma de Mexico.

Liang-Shin Hahn: Fall 1979, Visiting Professor at the National Taiwan University, Taipei, Taiwan, (LOA)

Reuben Hersh: Spring 1979, Visiting Professor, Brown University; Fall 1979, Visiting Professor, University of California, Berkeley.


Stanly Steinberg: Visited UNAM-ILMAS in Mexico City for three weeks.

3. NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.


4. PUBLICATIONS.


Roger C. Entringer: A characterization of maximum critically 2-connected graphs, J. Graph Theory 2 (1978), 319-327.
A theorem on critically 3-connected graphs, (w//P. J. Slater), Nanta Math. 11 (1978), 141-145.
A sufficient condition for equality of edge-connectivity and minimum degree of a graph (with D. L. Gwladysmith), J. Graph Theory 3 (1979), 251-255.
A class of graphs with restricted neighborhoods, (w//K. T. Rawlinson), J. Graph Theory 3 (1979) 257-262.


Introduction to SACNAS Proceedings of Conference in Boulder, CO.


Abraham P. Hillman: "Nearly Linear Functions", Fibonacci Quarterly, 17 (1979), 84-89.


"An extrapolation method for two point BVP's", in Codes for BVP's, Springer, 1979, 257-262.


5. OTHER RESEARCH PROJECTS OR CREATIVE WORK IN PROGRESS.

Richard C. Allen, Jr.: Continued work on a sophomore-junior text on ordinary differential equations (w/W.T. Kyner);
Receptor depletion in ketoacidosis prone diabetes mellitus: response to tolbutamid therapy (w/R. Galagan, R. P. Eaton, E. Kaufman), Manuscript in preparation;
Kinetic analysis of beta apoprotein behavior in human lipoproteinemia (W/R.P. Eaton, E. Schade), Manuscript in preparation;
Cord blood erythrocyte binding of T125 insulin: the effect of fetal hyperinsulineamia (w/E. Kaufman), manuscript in preparation;
A spline method for the linear compartmental problem (w/S. Pruess), manuscript in preparation;
NIH Grant: Lipoprotein–Carbohydrate Metabolism, co-investigator, $67,935 (2nd year of 3 year grant);
NICHD Grant, Physiologic and Developmental Mechanisms in Diabetes, co-investigator, $35,000 (3rd year of 5 year grant).

A. Carasso: Research in partial differential equations and applications" Army Research Office, Grant #DAAG-29-78-G-0091 duration 3 years, amount $42,000.
"Birth and death processes with random environments in continuous time", (w/Wm. Torrez) submitted to Advances in Applied Probability.

Evangelos A. Coutsias: "Behavior of gap systems far from equilibrium", in preparation (joint work with B.A. Huberman of Xerox Labs, Palo Alto).

Ralph E. DeMarr: An abstract study of linear programming.
A generalization of Sinkhorn's theorem.
An abstract model of Gaussian Elimination.

Donald W. Dubois: Accepted for publication (three papers)
Submitted for publication: General Numeration I & II; 2nd Note on Artin's solution to Hilbert's 17th problem. Order Spaces.
In progress: papers on Normal order genus and universal ordered fields.

Gustave Efroymson: A new inequality for symmetric functions", with Blair Swartz and Burton Wordroff, soon to be published.

James Ellison: Awarded an Associated Western Universities faculty appointment at Sandia Laboratories during the Spring semester for study and research into dislocations and their effect on channelled particles. ($3,600 for released time from one course).
Work completed on an analytical model for dechanneling by dislocation--to be submitted.
work in progress on statistical equilibrium in axial channeling;
work in progress on a Stefan problem arising in ion-solid interactions.


Roger C. Entringer: External maximal uniquely hamiltonian graphs, (with C. A. Barefoot), J. Graph Theory (accepted for publication).
Minimum graphs with complete k-closure, (with L. Clark and D.E. Jackson), Discrete Math. (accepted for publication).
On the maximum number of cycles in a graph, (with P.J. Slater) submitted for publication.)
A census of maximum uniquely hamiltonian graphs, (with C. Barefoot) (submitted for publication).


Richard J. Griego: Growth dynamics of multicellular spheroids of three murine tumors (with A. Martinez), submitted to Growth--supported on NIH Grant RR08139.

Liang-Shin Hahn: Research projects: Application of Hyperfunctions to Harmonic Analysis Interpolation Theorems Multipliers


Lambert H. Koopmans: Steroid hormones and aging: Free testosterone, testosterone and androstenedion in normal females aged 20-87 years (w/F. Purifoy and R. Ataus); accepted for publ. in Human Biology.
Steroid hormones and occupation (w/F. Purifoy), submitted for publication.
Completed book manuscript: An Introduction to Exploratory and Inferential Statistics—to be published by Duxbury Press in 1981.
Two research projects arising from work on UNM Diabetes Grant (w/R. Allen) are in progress.

Walter T. Kyner: Research in medical physiology with Dr. G. Rosenberg (Neurology) and Dr. R. Knodell (Gastroenterology).

James V. Lewis: Urban and regional planning: The evaluation of joint use of facilities for flood control and recreation— for the Albuquerque Metropolitan Arroyo Flood Control Authority.

Catherine A. Macken: Research into measures of dumping based on nearest-neighbor distances in more than two dimensions. (MARC Grant giving 2/9 of salary for the Summer of 1980).


Ordinary Differential Equations with Numerical Methods and Applications (with Stanly Steinberg), textbook manuscript, in preparation.
MATLAB—An interactive matrix laboratory, report in preparation at Stanford Linear Accelerator Center.

C. W. Onneweer: Fractional Differentiation and Lipschitz spaces on local fields UNM TR 361 (Completed).
NSF research grant.

Integration of surveys (to appear in Scan. J. Statist.);
Infinite divisibility of bivariate gamma distributions: Necessary and sufficient conditions for the asymptotic normality of the sample mean in simple random sampling; graduate text in sampling.

Steven Pruess: A spline method for the linear compartmental analysis problem", with R. C. Allen.
Estimation of the continuous spectrum, with Charles Fulton.

Research on Economic Models jointly with William Beyer is continuing.

David A. Sanchez: Some additional aspects of ground water resources and replacement flows in semi-arid agricultural areas (with M. Gisser), Int. Jour. Control (to appear).

Representations of Lie algebras of higher order operators on the solution spaces of the Klein-Gordon and Helmholtz Equation, (with B. Wolf). In preparation.


6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES.

Richard C. Allen, Jr.: Presented paper, Kinetic analysis of Insulin behavior by interactive simulation, at the 7th New England (Northeast) Bioengineering Conference, May 1979; Attended SIAM summer meeting, Toronto, Canada, June 1979; Attended conference on Regression and Spline Approximations, Boulder, CO, October 1979; Attended SIAM fall meeting, Denver, CO, November 1979.


Ralph E. DeMarr: Invited lectures at UC, Santa Barbara, and Calif. Inst. of Tech., Pasadena, on the subject of abstract matrix models.

Donald W. Dubois: Attended International Congress of Mathematicians, Kelsenki, Finland.

Gustave Efroymson: Attended American Math Society meeting in Biloxi, Miss., gave paper on "Sums of Squares on Planar Nash Rings".

James Ellison: Participated in the "International Conference on Nonlinear Dynamics" held in New York City during the week of December 17-21.


Richard J. Griego: Offices held: Member, Council of American Mathematical Society; Member, Editorial Committee, AMS; Chairman, Committee of Disadvantaged Groups in Math., AMS; Executive Committee, National Council of Chicanos in Higher Education. Meetings attended: Annual meeting of American Math Society, Biloxi, Miss.; National Chicano Council on Higher Education meeting in San Francisco; Meeting of Ford Foundation Task Force on problems of minorities of women and minorities in mathematics.

Abraham P. Hillman: Associate Director of the William Lowell Putnam Mathematical Competition. Associate Editor of the American Mathematical Monthly. Editor of the Elementary Problems Section of the Fibonacci Quarterly.

Lambert H. Koopmans: Assembled programs for the Western Regional Meeting--Inst. of Math. Stat. held at UCLA, June 1979, in my capacity as Assoc. IMS Program Chairman for Western Region. Member, Visiting Lecturer Comm., Council of Statistical Societies. Refereed several papers for Communications in Statistics and other journals.


James V. Lewis: Attended meeting of Sigma Xi.

Catherine A. Macken: Attended Spring 1979 meetings of WNAR, Biometric Society meetings, Los Angeles.

Richard C. Metzler: Papers reviewed for Zentralblatt.


C. W. Onneweer: I attended the American Math Society meeting in Vancouver, BC, June 15-16 and presented a paper.

Pramod K. Pathak: Attended a meeting organized by the U.S. Bureau of Census, Dallas, Nov. 15-17.

Clifford Qualls: Refereed two papers in 1979 for professional journals.

Panelist GPOP Fellowship Program, Nov. 1979.
Member, AMS Agenda Committee, AMS Opportunities in Math for Disadvantaged Committee.

Stanley Steinberg: MACSYMA Users Conference, June 1979, Washington, DC.
Ill posed problems conference, October 1979, Newark, DE.

Ronald M. Schrader: Participant in IMS special topics meeting on regression, Boulder, CO, October 1979.

7. OTHER PROFESSIONAL ACTIVITIES.

Richard C. Allen, Jr.: Visiting staff member, Los Alamos Scientific Laboratory;
consultant, Air Force Weapons Laboratory.

Laura Cameron: Spoke at a conference sponsored by Addison Wesley on the "Use of the Self-Paced Method in Reducing Math Anxiety"; Spring, 1979;
Gave a talk to a Psychology Class on "Math Anxiety and How it Relates to the Image of Women in Our Society", Oct. 1979.
Administered the math placement exam and gave a presentation on content and which pre-calculus courses are appropriate for various majors for the CEP and NAPCOE, Summer 1979.

A. Carasso: Visiting Staff Member, Los Alamos Scientific Labs.

James Ellison: Consultant to the ion-solid interactions group at Sandia Laboratories.

Roger C. Entringer: Reviewer for Mathematical Reviews and Zentralblatt fUr Mathematik.
Referee for Discrete Mathematics and Journal of Combinatorial Theory.

Reviewer of papers for Mathematical Reviews.
UNM Speakers Bureau.
Richard J. Griego: Talks at Michigan State Univ.—one on minorities and one on Math.
University of New Orleans—talk on minorities in science.
Talk to LULAC Job Fair.
Attended conference on stochastic processes—Univ. of Montana.
Attended State Dept. Conf. on Latin American Policy—Washington, DC

Liang-Shin Hahn: Gave Colloquium talk: "What is a Hyperfunction?" Oct. 4, 1979 National Taiqan Univ., Taipei, Taiwan.


Lambert H. Koopmans: Served on Provost's Survey Comm. to assess postsecondary educ. need in Bernalillo Cty.
Chairman Department course-load Committee.
Ph.D. student finished Fall 1979.
Member, Ph.D. committees for two students, one Anthropology and one Engineering (comp. work Fall 1979).
Member, Ph.D. committee for a student in Psychology.
Chairman, UNM Computer Use Committee.

Walter T. Kyner: Vice-president and Program Chairman, Albuquerque Chapter of ACM-SIGNUM.


Catherine A. Macken: Consult one day a week at the Inhalation Toxicology Research Institute, of the Lovelace-Biomedical Research Foundation. In conjunction with this I present monthly seminars on the practice and methods of statistics; consultant to Fed. Publ. Defender Twohig in developing statistics to illuminate potential biases in demographics of jury pools.


Clifford Qualls: Consulted with Dr. John Neilson of UNM's CERF on the statistical analysis of runway roughness.

Ronald M. Schrader: Consultant to LASL on nuclear reactor reliability study.

W. J. Zimmer: In process of refereeing a paper for the Journal Technometrics.
8. NON-TEACHING UNIVERSITY SERVICE.

Richard C. Allen, Jr.: Co-director (w/R. Knief) of PH.D.
Dissertation - J. Morel;
Chairman, Department Graduate Committee;
member, A & S Graduate Committee;
member, one Dissertation Committee in Engineering;
member, Univ. Student Standards and Grievance Committee.

Laura Cameron: Coordinator of Math 120; Coordinator of Math 100;
Remedial Math Coordinator; Served on Mathematics Undergraduate
Committee; Served as Chairperson for the Continuing Education
Committee; Served on the Basic Skills Curricula Committee;
Served on the Basic Skills Student Evaluation Committee.

A. Carasso: Member, Committee on Academic Policy and Curriculum,
College of Arts and Sciences. Chairman, Committee for
faculty position in Applied Mathematics, Mathematics Dept.
Member, Ph.D. Committee, Bill De La Garza, Civil Engineering,
Ph.D. Committee, Bill Boyer, Electrical Engineering
Ph.D. Committee, Yahmin Lu, Chemical Engineering.

Robert F. Cogburn: Director of graduate studies for the
statistics program.

Evangelos A. Coutsias: Service on "Graduate committee" of the
Department of Mathematics & Statistics.

Ralph E. DeMarr: Chairman, Master's exam committee.
Chairman, Search committee for pure mathematics position.

Committee on Laura Cameron's tenure.

Gustave Efroymson: Served on Faculty Senate Library Committee
and various department committees.

James Ellison: Applied Math hiring committee; several Ph.D
committees in mathematics, physics and engineering;
supervisor for Baca's practicum work at Sandia Laboratories;
committee on TA admission and selection.

Bernard Epstein: Various departmental assignments.

Archie G. Gibson: Ph.D, Dissertation Advisor, Travel Committee
Salary Committee, Graduate Committee, Athlethic Council.

Richard J. Grigio: Selection committee for Physics Dept. Chairman.
Committee to write a proposal for a Southwestern Hispanic
Research Institute, this is a task force of the Provost.
Native American Studies Advisory Comm.
Theodore Guinn: Member, Faculty Club Board of Directors
member of two Ph.D. dissertation committees.

Liang-Shin Hahn: Graduate committee.

Lambert H. Koopmans: Continuing as principle contact for
Statistical Consulting Service. Some projects originating
in those contacts are dealt with in the Dept. Statistics
Laboratory (548).

Walter T. Kyner: Math Department committees, e.g., examinations,
search committees.

James V. Lewis: Faculty advisor. Math Dept. Undergraduate
Committee.

Catherine A. Macken: Faculty advisor on Ph.D. committees
for Mary Jane Pence (statistics) and Dennis Heinemann (biology).

Richard C. Metzler: Admissions and Registrations Committee.
Director: Math Honors Program. Parents Day and Senior Day
participant.

Merle Mitchell: Spring 1979-Member of Departmental Under-
grade Committee; member of University Committee on Basic
Skills.
Fall 1979- Member of Departmental Undergraduate Comm.;
member, GUNMF Allocations Comm. and A & S Promotions Comm.

Pramod K. Pathak: Coordinator, Practicum Committee;
member, Graduate Committee; evaluation of Schrader's research.

Steven·Pruess: Member, University Library Committee; Search
Committee for Computing Center Director; Departmental
Director, Graduate Studies.

Clifford Qualls: Administrative--Assistant Chairman then
Acting Chairman.

David A. Sanchez: Member, UNM Faculty Senate; Member UNM
Academic Freedom and Tenure Committee.

Stanly Steinberg: Dept. Computer Use committee chairman.

Ronald M. Schrader: General statistical consulting; support
of Minitab statistical package; departmental Computer Use
Committee.

Timothy B. Straney: Service on the Undergraduate Committee
and Class Scheduling Committee.

9. PUBLIC SERVICE.

Archie G. Gibson: Indian Guides.

Richard M. Grassl: Head soccer coach for American Youth Soccer Organization, Team 618.

Richard J. Griego: Talk to the Tom Bell Recreation Center on Resource Center for Science & Engineering. Talk to IMAGE de Santa Fe on Resource Center for Science & Engineering.

Abraham P. Hillman: Advisor on "Proportional Allotment" to the N. M. Secretary of State's Task force on the N.M. Presidential Primary Act.


James V. Lewis: Trustee, NM Conservation Coordinating Council; Director, NM Citizens for Clean Air and Water; Member, Albuquerque Open Space Task Force; Member, Albuquerque Bikeway Committee.

Catherine A. Macken: Treasurer for Albuquerque ECKANKAR Center (non-profit religious organization).


Clifford Qualls: Secretary and Board Member - First Family Church.

David A. Sanchez: Vice President, Albuquerque Shetland Sheepdog Club. Secretary, Rio Grande Chapter of Trout Unlimited.

10. PERSONAL INFORMATION.


Catherine A. Macken: Obtained permanent resident status.
I. General Information

A. Significant Achievements.

1. Departmental Organization: Chairman: Sabine 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), Alice Neundorf (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).

2. New and Continuing Programs.

a. Spanish Section. Professor Erlinda Gonzales-Berry has developed a new accelerated Chicano language and culture track, patterned after the highly successful intensive Spanish and French tracks. This special sequence of courses will be offered for the first time in the Fall semester, 1980.

b. French Section. Professor Alice Omaggio has undertaken an extensive revision of the lower division French program, including the introduction of several new courses and a special class on methodology for the French TA's. Classes in translation were introduced at the upper division level; courses in film and commercial French are planned for next year. The French Summer School in Taos has its third
session in 1980; the program has expanded its course offerings and has attracted many high school teachers into the MA program.

c. German Section. Revision of the lower division language program continues, based on the program Using German, published in January 1980 by Professors Jespersen and Peters. A new course, Introduction to Germany, will be offered for beginning and intermediate language students next year.

The German Summer School in Taos has its fifth session in 1980, with an increased number of students (50 in 1979, 70 in 1980). The first candidates for the MA in German Studies will enroll in 1980.

In May 1980, representatives from the Goethe Institutes in New York and Houston administered the comprehensive language examination Zertifikat Deutsch als Fremdsprache to approximately 30 UNM German students on campus. The results were very successful and prompted a letter of congratulations from the Goethe Institute to the German faculty at UNM for its excellent language program.

d. Portuguese Section. This year a new doctoral seminar was added to the curriculum: "The Poetry of the Orpheu Generation," taught by Professor Tomlins. Professor Tolman also taught a new seminar, "Brazilian Social Prose in the Twentieth Century," in Ibero-American Studies (cross-listed) and projects two new doctoral seminars for the forthcoming year: "Brazilian Vanguardist Prose (post-1945) and Brazilian Vanguardist Poetry (post-1945).

Pedro Carlos da Fonsêca joined the T.A. staff (as Ph.D. candidate),
coming to New Mexico via the University of Sao Paulo and Vanderbilt University. He will continue to teach in the beginning language courses next year. This addition of a native Brazilian speaker to the staff will hopefully attract students and holds out the promise of attracting a new graduate student who is a native Portuguese.

Professor Luís Felipe Lidley Cintra, Portugal's leading linguistics scholar, will join the teaching staff of the summer Linguistics Institute (directed by Professor Garland Bills) and will offer a course in Luso-Brazilian dialectology. He will also participate in the Colloquium on Hispanic Studies. Professor Cintra will be in residence under the auspices of the Gulbenkian Foundation and the Institute of Portuguese Culture, both of these cultural entities located in Lisbon, Portugal.

The Zimmerman General Library has recently made two new acquisitions of considerable importance:

1) **The Anglo-Portuguese News.** The complete run recently acquired through the Library of Congress, on microfilm. Extremely important for the generalist as well as for the scholar with specialization in social history, literature, the arts, and Portuguese culture in general. Covers the entire period of the Salazar régime.

2) **Almanach de Lembranças Luso-Brasileiras.** 88 volumes in original boards. Extremely important for same reasons as No.1 above.
3) In recent past a complete collection of Portuguese literature of the nineteenth century was acquired from private dealers in Canada. Covers entire field of Portuguese letters in the nineteenth century, with specialization in the novel.

4) Also of recent acquisition is a copy of the literary journal, avant-garde (1917), of Portugal Futurista. Only one number was ever published, containing contributions by the writers who were to become the foundations of the new literature in twentieth-century Portugal. Immediately confiscated by the police of the Portuguese republic who claimed that the publication was immoral.

4) No. 4 above complements the recent acquisition of the two-volume run of Orpheu (I and II), 1915. Both numbers 4 and 5 above are extremely rare, making the University of New Mexico one of the few North American libraries to hold these titles.

e. Russian Section. The Russian Section changed to a four-day per week 101-102 schedule with considerable success. Not only did this permit covering more material in Elementary Russian, but more faculty and students feel that the more frequent exposure to the language improves the quality of skills in this crucial first-year stage. By enrolling in the supplemental 103-104, students can have 5 hours per week of class-room work in the language. Some students have requested that 201-202 also be increased to a 4-day schedule.

f. Classics Section. The Classics program continued to offer a
full schedule of classes leading to a major and continued its plan, which started last year, of offering Greek 101 as well as Latin 101, in the Spring as well as in the Fall semester. Because of the new Religious Studies program, an increasing number of Greek students are interested in New Testament, and we will begin this fall offering two sections of advanced Greek—one each for Classical and New Testament.

3. **Cultural, Professional and Social Activities.**

   a. Spanish Section.

   i) Under the directorship of Jon Tolman and Tony Mares, the Spanish Poetry Reading Series ("El poeta y el pueblo"), involving numerous staff members, continued throughout the year. A video-tape of one reading was made, for broadcast on the Public Television network.

   ii) Several members of the Spanish faculty read papers at national and regional conventions. See Section II of this report.

   b. French Section.

   i) French for Children, in its 15th year, has successfully continued under the directorship of Anita Sandoval and the supervision of Prof. Omaggio.

   ii) Collaboration with the French government, including the exchange of TA's, French teachers from France for the Summer School, and the Alliance Française contest, continued this year.

   iii) The Glorieta French Weekend was again held in April, under the supervision of Truett Book; close relationships with French high school teachers in New Mexico were maintained.
iv) Prof. Book continued to coordinate the successful awards program approved by the French Section, with prizes going to high school students, university students, winners of the national AATF contest, and teachers in the recently created school of the Alliance Française.

v) George Lubin, a well known specialist on George Sand, visited the campus and delivered two well attended lectures for students and faculty.

c. German Section.

i) The German Summer School in Taos had its successful fourth session in 1979. Distinguished visiting faculty included Prof. Alexander von Bormann (University of Amsterdam) and the well known Austrian painter, Georg Eisler.

ii) The following guests visited the campus during the year and delivered lectures to students and faculty: Peter Moser, Austrian Consul General, Los Angeles; Ursula Meyer, Goethe House, N.Y.; Richard Thoma, Goethe Institute, Houston; Hans Haid, International Dialect Institute, Vienna; Alexander von Bormann, University of Amsterdam.

iii) The eighth annual German Weekend for high school and university students of German was held in Glorieta in April, 1980.

iv) German for children classes continued under the excellent directorship of Mrs. Joan Winter.

d. Portuguese Section.

i) The Latin American Institute sponsored three national "Weeks" during the year, opening with Brazil Week 1979. Brazilian films, lectures and panels highlighted the Week's activities;
the Departmental contribution included a lecture, "The Status of Contemporary Brazilian Literature," by Professor Almir de Campos Brunetti of Tulane University.

ii) Two famous Brazilian musicians delivered a concert in March, devoted both to Brazilian folk songs and to popular music of the present.

iii) Senhor Ignácio Loyola Brandão, Brazilian journalist and writer, visited the campus in April and lectured informally on literature and politics in contemporary Brazil.

iv) Professors Tomlins and Tolman attended the annual convention of the Modern Language Association in San Francisco in December. Professor Tolman is actively involved in the Luso-Brazilian section of this organization and is also Luso-Brazilian bibliographer, as well as Luso-Brazilian bibliographer for the *Modern Language Journal*.

v) Professor Tomlins read a paper, "Cecília Meireles' 'O Cavalo Morto': Exemplar" at the First Louisiana Conference on Hispanic Languages and Literatures, Louisiana State University, in February, 1980 and lectured at Tulane University in March: "Mário de Andrade's *Fräulein: Modernist and Modern." He will read a paper in the Portuguese Language and Linguistics section at the annual convention of the American Association of Teachers of Spanish and Portuguese, San Juan, Puerto Rico, in mid-August, 1980: "Simultaneism in Early Luso-Brazilian Modernism: Movie Montage and Poetic Language," and in late August he will read a paper at the University of Florida's colloquium, "Camoés and His Times," entitled: Gil Vicente's Vision of
India and its Ironic Echo in Camões' Velho do Restelo."

e. General.

i) Along with the English Department, the Modern and Classical Languages Department hosted the 1979 Annual Meeting of the Rocky Mountain Modern Language Association, held in the Albuquerque Convention Center, October 18-20, 1979. Prof. Peters was local arrangements chairman.

ii) The annual Department party was held at the home of Prof. Ulibarri on May 17, 1980.

f. Comparative Literature.

Professor Peter Pabisch successfully chaired the Comparative Literature Program during the academic year 1979-1980.

B. Significant Plans and Recommendations for the Near Future.

1. The Spanish Section will host an international Perez de Ayala Symposium in October, 1980.

2. The first inter-language literature course will be offered in Spring 1981: Three Golden Ages of Western Theatre.

3. In the Fall Semester, 1980 Byron Lindsey and Natasha Kolchevska will team-teach two courses—Russian Civilization in English, a survey of the major cultural monuments from folk stories and customs to the present political difficulties which characterize Russian life—a course for Russian Studies students on all levels as well as for students interested in Russia but without prior exposure to the literature or language, and Russian Today—a 3-4th year language course emphasizing contemporary Russian. The team-taught courses are designed to make maximum use of areas of specialization of the Russian faculty as well as to offer variety and stimulus to the curriculum.
4. Byron Lindsey was elected to the board of directors of the American Council of Teachers of Russian and appointed by the president of the organization Academic Coordinator for the ACTR Pushkin Institute program in Moscow. It is hoped that this will encourage advanced UNM Russian students to do a semester of study at the Pushkin Institute.

5. The Department has initiated a feasibility study to determine the advisability of purchasing a TERAK computer to assist instruction in Greek, Latin, German, Spanish, Dutch, and Arabic.

6. The French Section is establishing close relations with the government of Quebec and plans a program in Quebec studies, an exchange program for students, and a Quebec festival in the Fall of 1980.

C. Appointments to Staff.

1. Prof. June Carter was appointed as an Assistant Professor of Spanish, effective Fall, 1980.

2. Prof. Antonio Planells was appointed as a guest Professor for one year, effective Fall, 1980.

D. Separations from Staff.

1. Prof. Alice Omaggio resigned her position as of the end of the academic year 1979-1980.
II. Composite of information requested on individual biographical supplements.

1. Advanced Study.

2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.
   a. Pelayo H. Fernandez. Trip to Spain (Summer), México, (both for research purposes).
   e. Enrique E. Lamadrid. Sixteen days of travel in the Yucatán peninsula visiting maya ruins and Cancún, Cozumel, Isla de Mujeres, and Mérida.
g. Raymond R. MacCurdy. Trip to the Holy Land; twenty-one day trip to Kenya and Tanzania.

h. Patricia Murphy. Sabbatical leave Fall Semester 1979. Lived in France, June through mid-November.


l. Claude-Marie Senninger. Teaching in the French Summer School of New Mexico.


3. New scholastic honors, fellowships, etc.

a. Dick C. Gerdes. Scholarship, The School of Criticism and Theory, Irvine, California (Summer, 1979); Organization of American States Research Grant, 1979; Fulbright-Hays Faculty Research Grant, 1979-80.


4. Publications.


"Parricide: A significant Archetype in Machado and Valle-Inclán"—co-author Alfredo Rodríguez—to be published in Romanic Review.


5. Other research projects or creative work in progress or completed during period.


c. Pelayo H. Fernández. Working on two papers to commemorate Ramón Pérez de Ayala's centennial. One to be presented at UNM's International Symposium (Fall of 1980); Another at University of Oviedo, Spain.


e. Sam L. Guyler. HOE-OE Grant No. G007803659: "Bilingual Traineeship Collaborative" Spanish Curriculum Development, $43,558.00. The project involves developing an advanced Spanish grammar text (in progress), developing and pilot testing a Spanish language proficiency exam for bilingual teachers (completed), conducting a summer institute for bilingual teachers in 1980.


h. Enrique E. Lamadrid. Currently working on the second edition of my book Communicating in Spanish which will be published in 1982. Chief author and 4 collaborators working on the second edition project; 3 from U of Texas at Austin and the other from UT Arlington.

i. Patricia Murphy.

j. Marshall R. Nason. Latin American Language and Area Center grant, 1st year of 2 year cycle: $60,000, New Mexico Humanities Council TV Series on Undocumented Worker, $48,144, Title VI Fellowship grants for area studies: $15,172.

k. Alice Neundorf. Navajo science terminology development for elementary students for Native American Materials Development Center.


m. Peter K. Pabisch. GUEST EDITOR OF 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 on the present dialect scene in five international German speaking areas. Responsible for the entire issue which will appear in May 1980 as: DIMENSION, XII, 3, 1979. 250 typewritten pages.


o. Alfred Rodríguez. "Aproximación a GRADO ELEMENTAL de Angel González" (with M. Miller and accepted for publication by Archivum). "El amor y la muerte en Los ojos verdes de Bécquer" (with S. Mangini Gonzalez and accepted for publication by Hispanófila.). "An Aesthetic Use of the Grotesque in E. Pardo Bazán's Los pazos de Ulloa" (with J. Lefkoff and accepted by Revista de Estudios).
"Las dos locuras de D. Quijote" (with R.R. MacCurdy and accepted for publication by *Anales Cervantinos*). "Una posible fuente de Antonio Machado" (with T. Holzapfel and accepted for publication by *Journal of XX Century Spanish Literature*). "Un título y una protagónista de Galdós" (accepted by *Anales Galdosianos*). "Bernarda Alba, Creation as Defiance" (accepted by *Romance Notes*). Review: A. Serrano-Plaja, ¿Es la religión el opio del pueblo? (accepted by *Modern Language Journal*). "Spanish and Spanish American Literature" (accepted by *Encyclopedia Americana Annual*). "En torno a la nominación del hidalgo cervantino" (with T. Ruiz-Fábrega and accepted for reading-publication at The First Louisiana Conference on Hispanic Langs. and Literatures).


6. Activities in learned and professional societies.
   a. John J. Bergen. New Mexico State Director, Sigma Delta Pi, National Hispanic Society.
   d. Pelayo H. Fernández. Member of AATSP.
   e. Dick Gerdes. Coordinator, 6 sessions on Latin American Literature,


h. Robert Holzapfel. Attended the RMMLA meeting, and the AATG regional meeting. Gave a seminar on Hesse at the 'German Weekend' at Glorieta. Visited the German Summer School at Taos for a week.


l. Byron Lindsey. Discussant, "Teaching Russian Syntax," International Association of Teachers of Russ. Lang. and Lit. Congress, Berlin, August 15; Seminar: Contemporary Russian Culture, Pushkin Institute, spring semester; President New Mexico-El Paso Chapter, American Assoc. of Teachers of Slavic and E.E.

m. Raymond R. MacCurdy. Member, Executive Council of the Renaissance
Society of America, Member, Editorial Board of the Bulletin of the Comediantes (acted as reader-consultant).


p. Alice Neundorf. Workshop in Navajo Linguistics at Navajo Community College, Tsaile, Ariz., Workshop presenter for two days. One day presentation of Navajo terminology for Math, in the elementary school, in the UNM College of Foundation.

q. Alice Omaggio. American Council on the Teaching of Foreign Languages-Annual meeting, November 1979; served as Chairperson, Pimsleur Award Committee, 1979; presented workshop entitled "Games and Simulations in the Foreign Language Classroom"; attended Central States Conference, Minneapolis, April 1979-presented two papers; attended Spring Methodology Conference, Indiana University of Pennsylvania, April 1979- presented paper.

r. Peter K. Pabisch. Meetings, RMMLA Conference in Oct. 1979, Albuquerque, New Mexico, American Association of Teachers of German Annual Conference in Nov. 1979 -- Atlanta, GA

s. George F. Peters. President, RMMLA, Local Arrangements Chair, RMMLA Convention, Albuquerque, NM Oct. 19-21.

7. Other professional activities.


c. Pelayo H. Fernández. Lecture on "Humanistic Education" (University of Albuquerque, Sigma Delta Pi Chapter) 11-30-79.


e. Erlinda Gonzáles-Berry. Seminar: "Hispanics in the United States:

f. Sam L. Guyler. Chairman of NM State Committee to establish a Spanish language proficiency exam for bilingual teachers. Our exam was adopted on a statewide basis at our Dec. meeting. This spring I will make arrangements to administer it on a statewide basis.


h. Byron Lindsey. Lecture, Bryn Mawr College, "Brezhnev's Russia," September 3; elected Academic Coordinator, American Council of Teachers of Russian; Secretary, Slavic Linguistics, Rocky Mountain MLA.


j. Alice Neundorf. Produced and hosted Navajo Educational Television Programs for the Native Americans and the Navajo Tribe on KNME-TV, Channel 5, One day presentation of Navajo Children's literature in English Dept.'s Writer's Workshop.

1. George F. Peters. Co-Director, German Summer School of New Mexico. 
   Talks at Highland High School, German Weekend at Glorieta, Theater 
   Arts Department.

m. Claude-Marie Senninger. Creator and co-director of The French Summer 
   School of New Mexico in Taos. Theater directions: Le Menteur by 
   Corneille et Le Mensonge by Nathalie Sarraute, Experimental theatre, 
   April 1978. Director Symposium New Mexico in Literature, Literature 
   in New Mexico, participants Jean-Marie Le Clézio, Nathalie Sarraute, 
   Rudolfo Anaya, Sabine Ulibarri, April 1978.

n. Jon M. Tolman. Director of "El Poeta y el Pueblo," a program of 
   poetry readings and guitar music, sponsored by the Society for the 
   Preservation of the Hispanic Heritage and the New Mexico Humanities 
   Council, touring the state. Produced, summer 1979, a 33 1/3 rpm 
   long-play album of Hispanic poetry and guitar music entitled El 
   Poeta y el Pueblo: Poesía Hispánica, grant from NMHC.

o. Sabine R. Ulibarri. Lectures in Washington, D.C. and Ft. Worth, 
   Texas. Albuquerque, Santa Fe. Research in Spain (June-August). 
   Recited poetry in Santa Fe, Taos, Gallup, Silver City, Socorro.

p. Julian E. White Jr. Organizer of APS/A and S Workshop (October 10, 
   1979); UNM/Albuquerque Schools Liaison Committee (1979-80); UNM/APS 
   Human Research Review Committee (1979-80); Chairman, Arts and Sciences 
   Graduate Committee (1979-80); Chairman, Senate Graduate Committee 
   (1979-80); Senate Executive Committee (1979-80); Chairman, Arts and 
   Sciences TA/GA Assignment Review Committee.

8. Non-teaching University service.
   a. John J. Bergen. Acting Chairperson of the Dept. of Modern and 
      Classical Languages, summer 1979; Acting Assistant Chairperson of the
Department of Modern and Classical Languages, Fall 1979; Associate Chairperson of Spanish; and Faculty advisor for the departmental graduate student association.

b. Garland D. Bills. Chair, Department of Linguistics. Director, 1980 Linguistic/TESOL Institutes. Chair, Search Committee for Navajo, Department of Modern and Classical Languages.


d. Pelayo H. Fernández. Faculty advisor, member Graduate Committee.

e. Bruno Hannemann. Chairperson of the Graduate Committee of Modern and Classical Langs. Member of Comparative Literature Committee, Arts and Sciences.


g. Tamara Holzapfel. A and S Promotion Committee in Humanities, Chair; A and S Tenure Committee; A and S Policy and Curriculum Committee; Dept. Graduate Committee.


i. Enrique E. Lamadrid. Advisor to undergraduate students; co-ordinator of Spanish 101-102 courses which includes supervision, observation, and training of graduate students; in charge of challenge examinations for first year Spanish; committee on scheduling; committee on the language laboratory.

j. Byron Lindsey. Director, Russian language Program; Russian Studies Committee, Comparative Literature Committee.

l. Patricia Murphy. First Semester 1979: Chairperson, Comparative Literature Program; Head, French Section. Continuing Education Committee.

m. Marshall R. Nason. Acting Executive Director, Latin-American Institute; Member, International Affairs Committee; Director, Ibero-American Studies doctoral program; Chairman, Title VI Committee; Director, Andean Study and Research Center; A and S representative, Faculty Senate, Chairman, President's Ad Hoc Committee on Grievance Procedures Member, Ad Hoc Orientation Advisory Committee.

n. Alice Neundorf. Band Booster for Highland High School in Albuquerque, NM.

o. Alice Omaggio. Member of newly formed Faculty Undergraduate Committee, Dept. of Mod. and Class. Langs. Served on Modern and Classical Languages Faculty Committee on Language Requirements.


r. Alfred Rodríguez. Chairman: Policy Committee Dept. of Modern and Classical Languages.

s. Claude-Marie Senninger. Library Committee (in department and in the library). University Senate, Chairperson Senate undergraduate Academic Affairs Committee.

t. Warren S. Smith. Faculty Advisor for Classics; member, Comparative Lit. Committee and departmental Policy Committee.
w. Julian E. White Jr. Lay reader and Adult Sunday School teacher at St. Peter's Anglican Church.

   c. Robert Holzapfel. NM Wilderness Study Committee.
   d. Enrique E. Lamadrid. Supports most of the cultural organizations, especially the Albuquerque and Santa Fe Opera companies, the New Mexico Symphony, the Compañía de Teatro, Boys' Chor, etc. Also supports foreign student programs. A foreign student from Ecuador lived in his home until August.
   f. Alice Neundorf. Lobbied for Native American Materials Development Center in Washington D.C. for four days.
   g. George F. Peters. Volunteer Announcer KHFM.
   i. Jon M. Tolman. Boy Scouts, Troop 207 (Troop Committee Chairman).

   a. June C.D. Carter. She now has one child.
I. General Departmental Information

A. Significant achievements during the academic year: We have begun the process of gaining approval of a religious studies major. Final approval is still pending, but we have a possibility of at least nine majors. This religious studies major is under the aegis of an interdepartmental committee. The philosophy department is now the home of the journal Environ-mental Ethics. This journal is published four times a year, and is under the general editorship of Professor Gene Hargrove who is a member of the department. Professor Fred Schueler became Graduate Student Advisor of the philosophy department. Professor Russell Goodman was appointed associate professor.

B. Significant plans and recommendations for the near future would include the full administrative approval of our religious studies major. Also we will continue to hold dialogue about the future role and structure of our graduate and undergraduate programs in philosophy. Significant changes may come next year. Distinguished Visiting Professor will be A. L. Basham.

C. Appointments to staff: None.

D. Separations from staff: None.

II. Composite Information from Biographical Supplements

1. Advanced study.

None.
2. Sabbaticals, leaves of absence, travel, etc.

Burgess: Trip to University of Minnesota, May 29–June 5, 1979 to consult with Classics Department there about possibility of bringing program for computer teaching of classical languages to UNM.


Lee: Three trips to Mexico – one of them to study Spanish in Cuernavaca during Winter vacation, one to read a paper in Puebla, Dec. 1979.

O'Neil: Sick Leave, Spring Semester (all activities sharply curtailed by radiotherapy for cancer of the throat).

3. New scholastic honors, fellowships, etc.

None.

4. Publications.


Tuttle:

5. Other research projects or creative work in progress or completed.

Burgess: Review of The Grammar of Faith, by Paul L. Holmer, accepted for publication in Reflection (Yale) during 1979-80 but not yet published; article "Other Planets, Other Mangers," not yet submitted; other articles in various stages; book on Kierkegaard and Wittgenstein (A Ladder to Paradise) now in third revision; "Brentano's Evolving God," accepted for publication in The New Scholasticism.

Casalis: Semiotic Studies East and West (book), in progress.


Eilstein: An essay "On the Concept of Existence is to be completed by the end of May 1980; another advanced essay "On the Concept of an Individual," is to be completed in 1980; an essay "The Master's Voice," a study of a Polish Sci-fi writer, St. Lem, will be published in Germany (the first full translation) in the Insel Verlag, Frankfurt in Fall 1980; a book Futurity and Possibility is in progress.


McDermott: Translation of 11th Century Tibetan Epistemological Treatise, in progress.

O'Neil: Completed (and circulating) an article on Spinoza; refereed (upon request) an article on Descartes for the Southwestern Journal of Philosophy.

Schmidt: Completed book, The Aesthetics of Existing, 400 page MS; article accepted in Process Studies entitled "Nobo's Thesis on Repeatability of Actual Occasions."

Schueler: In process of finishing a book entitled Morality and Scepticism; presently working on a paper on compensatory justice.

Sturm: Article concerning the Indian Pueblo Cultural Center and the Tricentennial Commemoration of the 1680 Indian Pueblo Revolt commissioned by the Western College Alumnae Association and scheduled to appear in the Fall 1980 Western College Alumnae Bulletin; an analysis of Padre Manuel da Nóbrega's Diálogo Sobre A Conversão Do Gentio to be presented at the 30th Annual Conference of the Center for Latin American Studies of the University of Florida commemorating The Portuguese World in the Time of Camões, 29-30 September and 1 October 1980.


6. Activities in learned and professional societies.

Burgess: Attended annual national meeting of American Academy of Religion, New York City, during November 1979; participated in AAR Working Groups on Liberation Theology, Nineteenth Century Theology, and Wittgenstein and the Study of Religion; attended annual meeting of Rocky Mountain Region of the American Academy of Religion (Denver, Colorado), April 12, 1980; attended Kierkegaard Conference at end of annual meeting of the Canadian Philosophical Association (Montreal, Quebec, Canada), June 6-8, 1980.


Lee: "On Althusser's Distinction Between Science and Ideology," read at the Society for Ibero and Latin American Thought meeting in conjunction with the Third National Colloquium on Philosophy in Puebla, Mexico, December 1979, 15 pages.

McDermott: APA, Executive Committee; WCAAS, Executive Committee; SCAP, Western Division Liaison Officer.

Schmidt: Participated in a special week-long seminar with Professor Nishitani of Otani University, Kyoto, Japan, held at Bodhi Mandala Zen Center, Jemez Springs, N.M.

Sturm: American Association for Chinese Studies: Member of Board of Directors; Editor-designate of Journal of Chinese Studies; Program Chairman for 21st (1979) and 22nd (1980) Annual Conferences; Moderator of Panel "Chinese & Tibetan Buddhism" at 21st Annual Conference, California State University at Long Beach, 9-11 November 1979. American Philosophical Association: attended Eastern Division Meeting, New York City, 27-29 December 1979. Interamerican Society for Philosophy: Member, Organizing Committee for the 10th Interamerican Congress of Philosophy. Rocky Mountain Council for Latin American Studies: Commentator for Panel "Psychology and Spiritism in
Latin America" Santa Fe, N.M., 5 April 1980.
Society for Iberian and Latin American Thought:
Vice President; Program Chairman for the SILAT Conference held concurrently with the Third National Colloquy of the Mexican Philosophical Association, Autonomous University of Puebla, Puebla, Mexico, 2-8 December 1979; paper presented at the SILAT Puebla Conference "Panorama del Pensamiento Filosófico en el Brasil Colonial." Southwestern Council for Latin American Studies: organized panel, "The Reaction Against Positivism in Latin American Philosophy: for the SCOLAS meeting at the University of Texas at Austin, 20-22 May 1980; paper presented at the panel mentioned above, "The Reaction Against Positivism in Brasil: Tobias Barreto de Menezes"; participant in a panel on the current status of Latin American Studies in Southwestern Universities at the same meeting.

Tuttle: Elected president of the New Mexico-West Texas Philosophical Society.

7. Other professional activities.

Burgess: Served as Chairman for the public meeting of the panel for the Lutheran/Roman Catholic Conversations, February 24, 1980.


Hargrove: Consultant for Media Program, National Endowment for the Humanities International Secretary, National Speleological Society.

McDermott: Lectures on Buddhism, Nyingma Institute, Berkeley, California, August 1979; panelist, Patristic, Medieval and Renaissance Conference, Villanova University, September 1979; lecture, Myth and Ritual, November 1979, Theatre Arts Dept., UNM.

Schmidt: Read a chapter of my book to UNM Philosophy Club in September 1979 on "The Concept of Mergence"; continued to serve on the Board of Directors of Jemez Bodhi Mandala Zen Center, Jemez Springs, N.M.

8. Non-teaching University service.

Burgess: Acting Chairman of the Philosophy Department, Summer 1980, beginning in June.

Eilstein: President of the Study Group for faculty and graduate students in Philosophy of Science, Fall 1979.

Goodman: Academic Freedom and Tenure Committee; KUNM Radio Board.

Hargrove: Editing of Environmental Ethics; non-academic Placement Advisor for Philosophy Department.

Lee: Member of Faculty Ethics and Advisory Committee; Departmental Undergraduate Advisor.

McDermott: Associate Dean of Graduate Studies, UNM; Faculty Senate; Research Allocations Committee; and various other committees and task forces related to work in the Office of Graduate Studies, e.g., Danforth Committee, Public Advisory Search Committee, etc.

Schmidt: Member of the Humanities Promotion Committee of College of Arts & Science.

Schueler: Member, University-School Relations Committee; member, University-Student Standards & Grievance Committee; Chairman, Philosophy Department Graduate Advisory Committee.

Sturm: Faculty Senate, Senator representing the College of Arts & Sciences; Latin American Institute, member of Faculty Concilium and Program Committee; Soka Gakkai (Nichiren Shoshu) Buddhist Student Association, faculty advisor; Chairman of University Committee on Asian Studies; Member of University Press Committee.

Casalis: Member of Albuquerque Chapter of Amnesty International U.S.A.; Member of Friend's World Hunger Group.

Hargrove: Public Relations and Membership for Cub Scout Troop 86, Albuquerque, NM.

Lee: Local chair of U.S.-China People's Friendship Association; faculty sponsor and treasurer of Nicaragua Solidarity Coalition.


Sturm: Indian Pueblo Cultural Center: Member, Board of Directors of the Friends of IPCC; Museum Docent; Chairman, Education Committee of the Friends of IPCC; Director, Research Center for Pueblo Indian Studies, and Librarian, Research Library. La Segunda Iglesia Congregacional: Pianista and co-director del Departamento de Musica.
I. General Departmental Information

A. Significant Achievements During the Academic Year 1979-80

During the academic year 1979-80, thirteen students received degrees in Physics or Astrophysics. Six of these were B.S. degrees in Physics, one was a B.S. degree in Astrophysics. Five students received M.S. degrees in Physics. One additional student received a minor in Physics. The following tables list the students who received degrees in Physics or Astrophysics.

Students receiving a B.S. Degree in Physics in 1979-80

<table>
<thead>
<tr>
<th>Name</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joel E. Anspach</td>
<td></td>
</tr>
<tr>
<td>Peter Denes</td>
<td></td>
</tr>
<tr>
<td>Michael M. Fikani (astrophysics)</td>
<td></td>
</tr>
<tr>
<td>Stephen Gobeli</td>
<td></td>
</tr>
<tr>
<td>Glenn Kellogg (minor)</td>
<td></td>
</tr>
<tr>
<td>Steven M. Long</td>
<td></td>
</tr>
<tr>
<td>Marc P. Valdez</td>
<td></td>
</tr>
<tr>
<td>James D. Whitfield</td>
<td></td>
</tr>
</tbody>
</table>

Students receiving M.S. Degree in 1979-80

<table>
<thead>
<tr>
<th>Name</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kenneth Butterfield</td>
<td></td>
</tr>
<tr>
<td>Frank Cozza</td>
<td></td>
</tr>
<tr>
<td>Michael DiSanti</td>
<td></td>
</tr>
<tr>
<td>Ronald Martinez</td>
<td></td>
</tr>
</tbody>
</table>

During this academic year, the Department has initiated a Tutorial Center to provide additional instruction for students in the introductory physics courses. The faculty involved in these courses combined a portion of their office hours in order to operate the center three to four hours each day. The response by the students was good, and all of the faculty found it an effective way to spend some of their time. We plan to continue the operation of this Center.

With the approval of the appropriate bodies of the University, the Physics Lecture and Laboratory Building has been renamed "Regener Hall", in honor of
Professor Victor Regener, member of the UNM faculty for over 25 years, who retired as Chairman of the Department last year. It was largely through his efforts that this excellent facility was built. It is one of the best designed and most functional buildings of its type in the nation.

The Department continued its public service function, holding open houses at our on-campus observatory each Friday night during the term, weather permitting. It was also open for several other selected events, such as lunar eclipses. On the average, nearly two hundred members of the public attended each of these sessions. Additionally, the Department sponsored visits to the campus observatory and to the Capilla Peak Observatory by the local camera club, the Albuquerque Amateur Astronomy Society, the Elderhostel program, and several other groups interested in our programs.

The Department has reviewed and extended the projected curriculum for our medical physics offering in cooperation with personnel from the Medical School. This revised option, which concentrates on radiology, will become available as an option for physics M.S. students next year.

The Department continues to be active in a number of research areas. During the 1979-80 year, five new awards grants or contracts were received by faculty members. The amount of these grants for sponsored research is $369,071. This brings the number of faculty in the Department working on sponsored research to ten, and the present level of sponsored research activity to over $600,000 per year. The grants were awarded for projects in such diverse areas as Experimental High Energy Physics, Science Teaching Improvements for High School Teachers, Solar Energy, and Cosmic Ray Studies. In addition to faculty participation, three post doctoral fellows and a number of graduate students and technicians were involved in the on-going research projects.

The Department continues a good relationship with the Los Alamos Scientific Laboratories. This includes: use of LASL facilities by UNM faculty, collaboration
on research projects and publications, and the service of LASL personnel on Departmental graduate committees and as adjunct faculty. There have also been many productive discussions this year with scientists at Sandia Laboratories and Kirtland Air Force Base Laboratories. We expect to see the growth of collaboration in projects at all of these laboratories.

The Department is strengthening its program in astronomy research. This is particularly so in the area of radioastronomy, with the arrival of Professor R. Marcus Price, the new Chairman, who is a radioastronomer, and the appointment of a new assistant professor (for 1980-81) Dr. Jack Burns. They plan to take advantage of the powerful, new Very Large Array radiotelescope on the Plains of St. Augustin. We also expect to make several adjunct appointments and establish strong ties with the VLA staff.

Dr. Marlan O. Scully was appointed as Distinguished Professor of Physics during the Spring term, 1980. Although not a resident on campus for most of this period, he began planning the Institute for Modern Optics which is being established here in conjunction with the Physics Department. Eight other individuals have been appointed to this unit, of which three are part-time faculty and the remainder hold research appointments. The members of this group, many of whom come from the University of Arizona Optical Sciences Center where they worked together, have already prepared and submitted proposals to various outside funding agencies totaling more than $500,000 to support some of their work during the coming year. As part of the instructional side of this program, faculty members have developed outlines for three new courses to begin this fall term. These courses were submitted through the appropriate University channels and have been approved. There will be a course in advanced optics, one in laser physics, and one in laboratory practices in optics.

During the year there were a total of 40 departmental colloquia. These
featured speakers on a variety of subjects, visiting from a broad range of research institutions, universities and corporations. This interaction with outside researchers is extremely useful to our faculty and students in keeping up with the many areas of physics and astronomy studies happening at other institutions. The high point of these colloquia was the sponsorship of two speakers in the Sandia-UNM Speaker series. Dr. David Schramm, Professor of Astrophysics at the University of Chicago, gave two talks on the astrophysics of the Big Bang cosmology and its relationship to elementary particle physics. Dr. G. Herzberg, of the Herzberg Institute of the National Research Council of Canada, gave lectures on atomic and molecular physics.

B. Significant Plans and Recommendations for the Near Future

The addition of a research group in Modern Optics, headed by Professor Marlan Scully, represents a major step for the Department. The faculty appointments will be within the Department, while research appointments can be made either within the Department or the Institute. Our hope is that, within a year or two, this group will grow to about twenty, including both faculty and research staff. At present, it has one full-time and three part-time faculty members. We expect to add one more part-time faculty member during each of the next three years. Also, as outside support allows, we will add research staff members. We can expect to see active collaboration between this group and researchers at LASL, Sandia Laboratories, and Kirtland Air Force Base Laboratories.

As the optics effort proves its success, we intend to pursue the establishment of groups in other areas not currently covered by the research interests of the Department. As is the case with the Institute for Modern Optics, we expect these to be supported largely by outside funds. These groups will provide the "parallel track"-type of positions that are so badly needed in academia today. These positions will allow bright young people to remain in the field
even though there is an extreme scarcity of tenure track positions presently available. This will insure that there will be experienced, mature workers in their respective fields when retirements cause shortages of faculty in technical areas beginning in the 1990s. This need has been discussed at great length by the National Academy of Science and the National Science Board. The creation of these programs will be a positive step toward the solution of the scientific manpower problems that might otherwise occur in the 1980s and 90s.

Another area in which we are enlarging our effort is radio astronomy. Because the Very Large Array is nearby, we are in an excellent position to make maximum use of it. To fully realize the potential of this powerful instrument, we have to establish an image processing facility to interactively analyze the data collected there. We are planning the facility now, and in the near future we expect to request funds from the NSF to augment UNM funds. When completed, this facility will be one of the best in the world for astronomical data and image processing.

In response to needs from other departments in the College, in particular the Department of Chemistry, we are planning to hire an additional machinist for our shop next year. This person will then be available to do work for other departments and programs within the University. The service will be available on a cost basis, and it is hoped that we can make full cost recovery of the salary of the individual. For this trial program we appreciate the support of the Associate Provost for Research and the Comptroller's Office.

Our undergraduate laboratories are an integral and important part of our introductory courses. We have a continuing need for more technical support for these laboratories so, this coming year, we are planning to hire a part-time technical person to assist in the set up and maintenance of the equipment used in these classes. This will be done with Departmental funds for this first year,
and, if it works out in a satisfactory way, it is our hope to fill this position on a continuing basis with support from the University.

We are planning to reorganize the administrative structure of the Department. Because of the increase in the numbers of faculty, projects, grants, contracts, and Departmental activities, such as advisement and research workshops, it is necessary to re-examine the manner in which we carry out administrative and support functions. We expect that with careful planning and training, and with the utilization of modern office equipment, we should be able to meet our new demands within the existing budget figures. This reorganization process can be expected to take about a year to fully implement, including new training and obtaining the new equipment that we will need.

C. New Additions

Prof. Marlan Scully was appointed as Professor of Physics (March 1, 1980) for the purpose of carrying out planning for the Institute for Modern Optics and requesting funding. Ms. Deborah Stark joined our office staff as a technical typist and clerk (October 4, 1979).

D. Departures

Prof. Roy Thomas retired at the end of the 1979-80 academic year after more than twenty years of service on the faculty of the Department.
II Composite of Information Requested on Individual Biographical Supplements

1. Advanced Study

Harjit S. Ahluwalia
Attended IEE Mini course on Inertial Confinement Fusion (ICF), held on 6-9 June 79, at Montreal, Canada.

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

Harjit S. Ahluwalia
Travelled to Mexico City, Montreal, Kyoto, and Nagoya to participate in international conferences and to various locations inside this country to attend national and international meetings.

Howard C. Bryant
Travel to Japan, 26 Aug - 10 Sept 1979

B. Dieterle
Spring semester to Brookhaven National Laboratories for antiproton research

J. D. Finley, III
Travel to Mexico City from May 6 to May 21, for work with Dr. Jerzy Plebanski, Centro de Investigaciones y Estudios Avanzados del IPN

David S. King
Spent entire calendar year on sabbatical leave at the Los Alamos Scientific Laboratory.

C. P. Leavitt
Travel to BNL to participate in antiproton experiment, two weeks in Jan. and five weeks in June-July.

Alan W. Peterson
Observing run at Univ of Arizona Mt. Lemmon Observatory while with NASA Ames for summer.

Derek B. Swinson
Travel to Hong Kong, visited physics Dept, University of Hong Kong; travel to Japan to attend 16th International Cosmic Conference, Kyoto; visited Nagoya Univ. and Shinshu Univ in Japan; visited Sakashita and Matsushiro. Cosmic Ray Telescopes in Japan. Visited Institute of Physical and Chemical Research, Tokyo.

David Wolfe
Sabatical Leave, Spring 1979, lived at Brookhaven Natl Lab, Upton, NY, 1 January-6 Aug., Visited Europe, March, May-June.

3. New scholastic honors, fellowships, etc.

Harjit S. Ahluwalia
Listed in (a) American Men and Women of Science, 14th Edition
(b) Personalities of the West and Midwest
Elected member of International Astronomical Union at XVII General Assembly, Montreal.

Alan W. Peterson
NASA (ASEE) Summer Research Fellowship at Stanford and NASA Ames, 10 weeks, Summer 1979

4. Publications

Harjit S. Ahluwalia

S. S. Alpert

Charles L. Beckel
"A New Functional Form for Representing Vibrational Eigenenergy of Diatomic Molecules. II. Application to H2 Ground State," Jour of Chem Physics,


Howard C. Bryant


"Observation of Narrow Resonace in the H- Photodetachment Cross Section near the n-3 Threshold," Phys Rev Letters 43, 1715 (1979). With co-authors.


Colston Chandler


B. Dieterle


J. D. Finley, III


David S. King

C. P. Leavitt

John Linsley
"Note on a Public Safety Consideration Relevant to Large Air Shower Installations," Proc of the Air Shower Workshop, Univ of Utah, publ by Bartol Research Foundation, Univ of Delaware, Newark, pp 113-115.

Alan W. Peterson

R. M. Price

Derek B. Swinson

David Wolfe
Michael Zeilik
"Near-Infrared Observations of Two Far-Infrared Sources in the W3 Region: Gl33.8±1.4 (WeN) and Gl33.982+1.14 (BS4)," Astron Jour 84, 1566 (1979).

5. Other research projects or creative work in progress or completed during period.

Harjit S. Ahluwalia
Three unsponsored research projects are in progress. Several publications have resulted from them.

S. S. Alpert
(In progress) Optical diffraction research with emphasis on polarization and conductivity effects (Experimental, 2 graduate students). (In progress) Optimization of two-reservoir energy model (Theoretical).

Charles L. Beckel
NIH-MBS, $13,688, same title as above, Aug 20, 1979 to Aug 19, 1980.

Howard C. Bryant

Colston Chandler
unsponsored research on nuclear reaction theory

B. Dieterle
All projects sponsored by DOE, $800,000, 7 years, "Studies of the Nucleon-Nucleon Interaction at Intermediate energies."

J. D. Finley, III
Support for travel to Mexico City was received from the Fomento Educacional, Mexico City.
Gave special series of lectures in Dept on popular modern topic of instantons and solitons and their relation to high energy physics.
John R. Green
Crystallization habits of halogen-substituted hydrocarbons.

David S. King
Research continued on a variety of different types of variable stars.
At Los Alamos, became involved in a theoretical study of the transport of pollutants in complex terrain. This was specifically applied to the Geyser's geothermal area of northern California, in a DOE-funded project.

C. P. Leavitt
Nuclear Physics at Medium Energy, $200,000 for 1979 (over $600,000 so far). Completed data taking for Expt. 701 at BNL during Apt. Paper submitted in Nov. for this work. Analysis still continuing.

John Linsley
"Are Extensive Air Showers Produced by Relativistic Dust Grains", accepted for publication in Astrophysical Journal (letters).
"Cosmic Ray Anisotropy", Colloquium at Sandia Laboratories, 30 May.
Served as chairman, Session EAS-A, Aug 15.
Invited speaker at Special Meeting on Galactic Anisotropy, Aug 14.
Received a grant from NSF to support continuation of research entitled "Muon Component of Cosmic Ray Showers at Energies above $10^{17}$ eV" for 12 month period beginning Nov 1, 1979, in the amount of $95,000.
Applied for Supplemental NSF Grant in the amount of $11,336 to support a 4 month visit (Apr-Jul, 1980) by Dr. Alan A. Watson of the University of Leeds, UK. Dr. Watson is leader of research at the Haverah Park Air Shower Array near Leeds. Application approved.

Alan W. Peterson
Continued airglow research. Began an airglow movie project with RAC funding ($1300).

R. M. Price

Derek B. Swinson
Cosmic ray research, NSF grant "Field Dependent Cosmic Ray Anisotropies in Interplanetary Space at High Rigidities, $55,800, June 1, 1978 - Nov. 30, 1980.

David Wolfe
Nuclear Physics at Medium Energy, $200,000 for 1979 (over $600,000 so far). Completed data taking for Expt. 701 at BNL during Apt. Paper submitted in Nov. for this work. Analysis still continuing.
Michael Zeilik

6. Activities in learned and professional societies

Harjit S. Ahluwalia

S. S. Alpert
AAPT, APS, LIA.

Charles L. Beckel
"On the Cause of RKR f-integral Error near a Diatomic Molecule Dissociation Limit" presented at the APS Meeting, Chicago, 22 Mar 79, co-author E.S. Hertel, Jr.
Member: Publications Advisory Board, Fulbright Alumni Association.

Howard C. Bryant

Colston Chandler

B. Dieterle
David S. King

Alan W. Peterson
AGU Meeting San Francisco, 4-6 Dec 1979, presented "On the Correlation of Certain OH Airglow Events with High Lunar Tide in the Atmosphere". Attended workshop on Atmospheric Aerosols, 6-8 Nov 1979, Baltimore, presented "Observations and Analysis of the Solar Aureole in the Near Infrared".

R. M. Price
Attended Meeting of American Astronomical Society in Wellesley, MA.

Derek B. Swinson

David Wolfe

Michael Zeilik II
7. Other Professional Activities

Harjit S. Ahluwalia

S. S. Alpert
Six scientific talks, four public talks.

Charles L. Beckel

Howard C. Bryant
DOE Contractor's meeting, Kansas State, Manhatten, Kansas, 4-8 Apr 1979. Colloquium, "Plus-Minus Quantum Number", 21 Sept 1979, UNM.

Colston Chandler
On-campus physics demonstrations for elementary school children (spring & fall 1979). Three papers referred for Physical Review C.

B. Dieterle
Los Alamos Colloquium "Search for Baryonium". Review of Funding Proposal for Research Council, Canada.

J. D. Finley, III
Consultant on calculus-based physics texts for Prentice-Hall, Inc. Reviewer for Mathematical Reviews.

John Linsley

Alan W. Peterson
Presented colloquium at NASA Ames Space Sciences Center "Lunar Effects on OH Airglow". Repeated same at UNM Physics Dept, Fall 1979. Reviewed two proposals for NSF.

R. M. Price
Derek B. Swinson
Initiated work on a TV program on Solar Energy at request of NM Academy of Sciences. Wrote and performed in "Gridiron 1979" for Albuquerque Press Club. Consultant to several attorneys on accident reconstruction. Gave talk to Allstate Insurance Co. on the Physics of accident reconstruction. Referee for three proposals to NSF.

David Wolfe
Talk on O Works and bluons for the Soc. of Physics Students, NMIMT, Socorro, 8 Nov.

Michael Zeilik II
Solar eclipse information for KGGM-TV, KOB-TV, KOAT-TV, KHF Mon and KUNM radio; "Cosmic Connections" for KUNM News; Lunar eclipse info for KGGM-TV and public lunar eclipse party; "Constellation Identification", Bosque de Apache; "Star Deaths," Alpha Centauri Club of Albuquerque; "The Expanding Universe", UNM Parents' Day; "Star Birth" for Man and Molecules, ACS radio show; hosted NSF-RULE evaluation team.

8. Non-teaching University service

Harjit S. Ahluwalia
Member of UNM Science Colloquium Committee; member of UNM-Sandia Colloquium Committee; in charge of Departmental weekly colloquia; chairperson of 6 Student Study Committees and member of 4 more SSCs.

S. S. Alpert
Faculty Senate, Budget Review, A&S Promotions Committee, Advisor, High School Science Day.

Charles L. Beckel
Member Cultural Program Committee to June 1979; member Long-range Planning Committee, from July 1979; member Academic Unit Review Subcommittee, from Dec 1979; member Physics & Astronomy Public Relations Committee.

Howard C. Bryant

Colston Chandler
AF&T committee, Fall 1979.

J. D. Finley, III
Member A&S Graduate Committee, Senate Graduate Committee; Acting Chairman of Dept. for summer; Chairman, Dept. Graduate Committee; Dept. Library Liason; Faculty advisor for graduate & undergraduate students.

John R. Green
Chairman, Committee on Academic Freedom & Tenure; Chairman, Search Committee for Chairman of the Department of P&A.

David S. King
On sabbatical leave during this period.

C. P. Leavitt
Los Alamos Graduate Advisor, Dept. Graduate Committee.
John Linsley
Thesis committees (MA) for James F. Riker and Aka Finci.

R. M. Price
Chairman: Ad Hoc Committee on a Quantum Optics Research Group.

Derek B. Swinson
Director of physics freshman/sophomore laboratories; chairman of search committee for new faculty position (physics). Gave four college enrichment program lectures, summer 1979.

David Wolfe
Chairman, Dept. Undergrad. Committee; member, Dept. Grad Committee.

Michael Zeilik, II
On advisory committees for the Southwest Resource Center for Science and Engineering and UNM-GPOP.

9. Public Service

Harjit S. Ahluwalia

S. S. Alpert
Secretary, Fellowship of Desert (Religious).

Charles L. Beckel
Kidney Foundation of NM, Inc; member of Executive Committee, Delegate Trustee, Chairman Research Committee, Co-chairman Fund Raising.

Colston Chandler
Miniclasses taught at Monte Vista Elementary School, spring & fall 1979.

J. D. Finley, III
Judge for cacti & succulents, New Mexico State Fair & New Mexico Cactus & Succulent Society Show.

C. P. Leavitt
Albuquerque Recorder Society.

Alan W. Peterson
Assisted in State Fair Wine judging program.

Derek B. Swinson
Taught music program to 3rd and 5th grade classes, Monte Vista elementary school. Gave talk to Albuquerque Kiwanis Club, presented music programs for St. Andrew's Society, UNM Faculty Club, Brothers of the Good Sheppard, Irish American Society, St. Timothy's Lutheran Church, Kiwanis Club, New Mexico State Poetry Society, Albuquerque Press Club, New Mexico Physical Therapist's Scholarship Banquet. Acted as expert witness in several cases in state and federal court in Albuquerque and Santa Fe.

David Wolfe
Aid AOS on Science Fair Projects.
10. Personal information

S. S. Alpert
Program director, Rio Grande Vintners' guild; member of NM Mountain Club;
Student pilot, Southwest Air Rangers Aero Club.

Alan W. Peterson

Derek B. Swinson
Married, May 1979, to Joann Harrison.
The Report of the Department of Political Science

July 1, 1979 - June 30, 1980

Robert J. Sickels, Chairman

I. General Departmental Information

A. Significant Achievements. Rationalization and renumbering of our undergraduate curriculum; recruitment of third female member of the department.

C. Appointments. Timothy J. De Young, Assistant Professor, August 20, 1979.

D. Separations. Robert A. Seward, Assistant Professor, May 17, 1980.

II. Information from Biographical Supplements

2. Leaves, Travel, etc. Martha Good, Assistant Professor, research trip to Italy (Florence and Rome), May-June 1979; travel in Federal Republic of Germany, December 1979. Paul Hain, Associate Professor, sabbatical leave, spring 1979. Peter Lupsha, Associate Professor, sabbatical leave, 1979-1980 academic year, for research on the linkages of the political system and organized crime. Martin Needler, Professor, participated in Friendship Force trip to Korea and Sister Cities visit to Sasebo, Japan, June 1979; research trip to Cuba, July 1979.

3. Scholastic Honors, Fellowships. Martha Good, Assistant Professor, research trip to Italy funded by Research Allocations Committee Grant. Paul Hain, Associate Professor, as Guest Scholar at the University of Texas at El Paso, April 1979, presented the Faculty Development Seminar. Martin Needler, Professor, included in Personalities Carribean, 7th ed. (Jamaica).
4. Publications.

F. Chris Garcia, Professor


Martha Good, Assistant Professor


Paul Hain, Associate Professor


Peter Lupsha, Associate Professor


Martin Needler, Professor


James L. Ray, Associate Professor

4. James L. Ray, Associate Professor (continued)


Karen L. Remmer, Associate Professor


Harold Rhodes, Associate Professor


Jay B. Sorenson, Professor


5. Other Research in Progress.

F. Chris Garcia, Professor

Martha Good, Assistant Professor

"The Italian Communist Party and Local Government Coalitions," revised and accepted for publication in Studies in Comparative Communism; Authored Pilot Grant Proposal (European Studies Program) submitted to National Endowment for the Humanities for $47,000; In progress: article on Italian Communist local government administration, 1921-1922.

Paul Rain, Associate Professor

Continued study of politics and political careers.

Fred R. Harris, Professor

Completed work on introductory American government text for college, America's Democracy (for January 1980 pub. by Scott Foresman); Research on politics of Mexico in preparation for new course on U.S. Mexican relations; Research on modern democratic theory for lectures at the University of Oklahoma and before the Kansas Political Science Association.

Peter A. Lupsha, Associate Professor

Martin Needler, Professor


James L. Ray, Associate Professor


Karen L. Remmer, Associate Professor


Ivory T. Robinson, Assistant Professor

Book submitted for publication: The Theory of Value: A Contrast of the Notion of Value in the Writings of Locke and Marx; Essay submitted for publication: "Alienation: An Analysis of Species Being in Marx's Early Works."

Philip G. Roeder, Assistant Professor

Completed: "Catharsis of Choice: Logic of Political Violence," (to be delivered 1980 Western Political Science Convention; submitted to American Political Science Review); In Progress, Revolting Peasants: The Role of the Peasantry in Twentieth Century Revolutions, manuscript to be completed January, 1980 and submitted (as requested) to University of California Press.

Robert J. Sickels, Professor and Chairperson

Completed work on The Presidency, scheduled for publication January 1980 by Prentice-Hall, Inc.
Jay B. Sorenson, Professor


Harry P. Stumpf, Professor

Text proposal, American Judicial Politics.

6. Activities in Professional Societies

F. Chris Garcia, Professor

"Attitudinal Environments and Collective Representation," paper presented for delivery at 1979 Annual Meeting of the Southwestern Social Science Association (co-authored); Panelist, Workshop on Humphrey-Hawkins legislation, National Conference on Jobs for Hispanic Americans, July 30-August 2, 1979, Albuquerque; Panel Discussant, "Public Opinion and Voting," Western Social Science Association, April 27-29, 1979, Lake Tahoe, Nevada; Panel Participant, "Elite Actors: Influence and Attitudes," Paper presented: "Environmental Attitudes and Collective Representation," Southwestern Political Science Association, March 30, 1979, Fort Worth, Texas; Panel Discussant, "Biases in American Government Textbooks," Western Political Science Association, March 22-24, 1979, Portland, Oregon; Chairman, Ad Hoc Committee to Study the Relationship between the Western Political Science Association and the Western Political Quarterly, to March 1979; Attended regional meeting of Academic Affairs Administrators (ACAFAD), March 15; Consultant on Political Science section, National Teachers Examination in the Social Studies, Educational Testing Service, Princeton, New Jersey; Consultant on Government and Civics Education, Scholastic Social Studies textbook series, grades 1-6; Continued as Editorial Board Member for P.S., quarterly publication of American Political Science Association; Continued as member of the Pre-collegiate Education Committee of the American Political Science Association; Completed term as (ex officio) member of Executive Council of the Western Political Science Association, presented report on "The Relationship of the Western Political Quarterly to the Western Political Science Association" at annual meeting of the WPSA in Portland, Oregon.
Martha H. Good, Assistant Professor

Attended Convention of American Political Science Association, August 1979, Washington, D.C.

Paul L. Hain, Associate Professor

"Cycles of Election & Risk: Nonobvious Skewing of the Political Opportunity Structure" (with Manuel Avalos). Paper presented at the Western Social Science Association annual meeting, Lake Tahoe, NV.

Fred R. Harris, Professor


Peter A. Lupsha, Associate Professor


Martin C. Needler, Professor

Attendance and program participation: National Advisory Board, Border Research Program, Austin, February; Conference on Latin America and the United States, University of Miami, March; National Meeting, Latin America Studies Ass'n, Pittsburg, April.

James L. Ray, Associate Professor

Karen L. Remmer, Associate Professor


Ivory T. Robinson, Assistant Professor

Organized panel for WPSA, "Third World Ideology,": Chairman, Committee for the Status of Blacks, Western Political Science Association.

Jay B. Sorenson, Professor

Western Social Science Association, Annual Meeting, Lake Tahoe, Chaired panel on Vietnam War; South Western Political Science Association, Ft. Worth, paper: Uranium Mining & Milling & Environmental Protection: Mitigation of Regulatory Problems.

Harry P. Stumpf, Professor


7. Other Professional Activities

F. Chris Garcia, Professor

Address on opinion survey research to Albuquerque Area Hospital Public Relations Council, annual meeting of N.M. Hospital Association, October 17; Presentation to "Law for Living Project" summer workshop, June 11, 1979; Judge of N.M. High School Mock Trial Competition finals, May 8; Presentation of a "Concern Clinic" on "Politics in New Mexico," for AWARE (American Women as Responsive Electors), February 21; Training session on "Political Socialization of American Indian Children," Americans for Indian Opportunity, February 9; Consultant, Scholastic Social Studies Textbook Series, grade 1-6, June-October; Consultant, National Teachers Examination (Social Studies), Educational Testing Service, Princeton, New Jersey, April-December; N.M. State Department of Education, Task Force in High School Civics Education, through April; Refereed reviews of 10 manuscripts submitted for publication in The Social Science Journal (2), the Western Journal of Speech Communication (1), the Social Science Quarterly (1) and the Western Political Quarterly (6); Reviewed grant proposal submitted to the National Endorsement for the Humanities; Served as member of review panel for Public Service Education Training Grants, Office of Education, Washington, D.C.
Paul L. Hain, Associate Professor
Consultant, Zia Research Associates.

Fred R. Harris, Professor
Guest Lecturer, "Let's Not Give Up on Democracy; a Normative Approach to Democratic Theory," Kansas Political Science Association, KU, October 19, 1979; Guest lectures on state legislatures, contemporary international relations issues, and modern democratic theory, University of Oklahoma, March 22, 1979.

Peter A. Lupsha, Associate Professor

Martin C. Needler, Professor
Lectures: Foreign Service Institute - University of Washington, Eastern Washington University, UCLA; Consultant, NEH Research Materials Program.

James Lee Ray, Associate Professor
Spoke to the Rotary Club in Farmington, NM, April, 1979, on Iran and the Middle East; Several interviews with KRKE radio, KGGM, Channel 13, and KOB Channel 4, November, December, 1979, on the Iranian crisis; Refereed several papers for International Studies Quarterly, and Journal of Conflict Resolution.

Harold V. Rhodes, Associate Professor
Producer (co-producer), writer, anchor, 38 television productions, including 32 programs in the series Albuquerque: Now and 6 special programs including 3-part series on municipal politics (Anatomy of An Election), KNME-TV, Albuquerque (PBS), 1978-79.
Jay B. Sorenson, Professor

Participated in SALT II Conference, Denver University, Nov. 23, 1979; Member at Large, NM Water Quality Control Commission; Member of Sen. Domenici’s SALT II Technical Advisory Committee; Consultant-DOI, San Juan Basin Regional Uranium Study, Energy Consumers of New Mexico and Sandia Laboratories; Participant in Geothermal Conference sponsored by New Mexico Energy Institute, Las Cruces, September 7-8 (in Albuquerque).

8. Non-teaching University Services

F. Chris Garcia, Professor

Associate Dean, College of Arts and Sciences; Committee on Living-Learning Environment, Chair, Subcommittee on Survey Research, Co-Chair, Committee, September 1979; Associate Dean, College of Arts and Sciences; Committee on Presidential Scholars; UNM- Albuquerque High Schools Liaison Committee; Minority Concerns Committee; UNM-TVI Joint Educational Needs Assessment Committee Survey Subcommittee; Search and Screening Committee for Assistant Dean, College of Fine Arts; Admissions and Registration Committee; Ad Hoc Committee on Outstanding Teacher Award; Ad Hoc Advisory Committee on Faculty Development; Elementary Education Multidisciplinary Doctorate Committee; A & S Committee on Interdisciplinary Majors; A & S Student Advisory Committee Coordinator.

Martha H. Good, Assistant Professor

European Studies Committee, member of executive committee; Department Graduate Committee, member; International Affairs Committee, member; Department Library Liaison.

Paul L. Hain, Associate Professor

Executive Committee, Political Science Department; Advisor to undergraduate and graduate students.

Fred R. Harris, Professor

Executive Committee, Political Science Department Spring, 1979; UNM Undergraduate Committee, Political Science Department, Spring and Fall, 1979; Prospective-student caller, UNM, 1979.

Peter A. Lupsha, Associate Professor

Member: Faculty Research Policy Committee, UNM, IARS Faculty Advisory Committee, UNM; Member: Dean’s Arts and Science Graduate Committee, Spring 1979; Chairman: Department Graduate Committee, Spring 1979.
Martin C. Needler, Professor

School Relations Outreach Program (recognition award), Regents Workshop; UNM Committees—Campus Planning and Architect Selection Subcommittee, A&S Promotion; Latin American Institute Committees—Policy, Budget, Director Search, Academic Programs, Mexican Relations.

James Lee Ray, Associate Professor

The Library Committee of the Latin American Institute; Graduate Advisor, Political Science Department; Faculty Senate Curricula Committee; The Arts and Sciences Graduate Committee (and the curriculum subcommittee of the Arts and Science Graduate Committee).

Karen L. Remmer, Associate Professor

Inter-American Foundation Fellowship Screening Committee; Alternate—Latin American Faculty Concilium; Political Science Dept. Executive Committee.

Harold V. Rhodes, Associate Professor

Chairman, UNM Basic Skills Curriculum Committee, 1978-79; Member UNM Press Committee, 1977-Present; Member TV/Film Coord. Committee, UNM, 1979-Present; Member A&S Dean’s Search Committee, 1979.

Philip G. Roeder, Assistant Professor

Undergraduate program—curriculum development in Political Science.

Robert J. Sickels, Professor and Chairperson

Department chairman, member of Senate and Budget Review Committee.

Jay B. Sorenson, Professor

Faculty Advisor, UNM Mountain Club.

Harry P. Stumpf, Professor

Chairperson, Committee on Policy and Curriculum, College of Arts and Sciences
9. Public Service

F. Chris Garcia, Professor

Address on opinion survey research to Albuquerque Area Hospital Public Relations Council; Presentation to "Law for Living Project" summer workshop; Judge of New Mexico High School Mock Trial Competition finals; Presentation of a "Concern Clinic" on "Politics in New Mexico" for AWARE (American Women as Responsive Electors); Training Session on "Political Socialization of American Indian Children," Americans for Indian Opportunity; Task Force on High School Civics Education, New Mexico State Department of Education.

Martha H. Good, Assistant Professor

Silver Hill Neighborhood Association, Board of Directors; Democratic Party, Bernalillo County Central Committee and Precinct Committeewoman; American Association of University Women, Legislative Committee.

Paul L. Hain, Associate Professor

Vice Chairman, Albuquerque Airport Advisory Board; Cubscout and church activities.

Fred R. Harris, Professor

Guest host, fundraising pledge night, KNME-TV, Albuquerque.

Peter A. Lupsha, Associate Professor

Member of the Board-New Mexico Crime and Delinquency Council; Member-Albuquerque Council on Foreign Relations; Secretary-Precinct #153, Democratic Party, Bernalillo County.

Martin C. Needler, Professor

Friendship Force; Sister Cities; Assistant Coach, Youth Soccer; Consultant N.M. Border Commission.

Harold V. Rhodes, Associate Professor

Member Board Directors, Neighborhood Housing Services, Albuquerque; President Silver Hill Association, Albuquerque; Member Downtown Neighborhood Association.

Robert J. Sickels, Professor and Chairperson

Legislative liaison for Common Cause.
Jay B. Sorenson, Professor

Sierra Club, Executive Committee; Open Spaces Task Force, City of Albuquerque (Vice Chairperson); Albuquerque Committee on Foreign Relations (former chairperson); Prepared legislation or assessments of legislation for NM legislators on-minedewatering, Sagebrush Rebellion, uranium taxes; Lobbyed for Albuquerque to help acquire the Elena Gallegos as part of the city's open space area.
Introduction and Summary. This was again a productive and successful year for the department of psychology. We hired three new faculty members to fill vacancies created by resignations and a retirement. With four people leaving we have a net loss of one. Our long-time office manager, Mrs. Orth, retired and candidates for her replacement are being interviewed. No major changes were made in our undergraduate and graduate programs; these were reviewed extensively three years ago. The department continues with the four basic areas of clinical, learning, 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 include 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 1980 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 plans for 1980-81 include an assessment of departmental goals and objectives over the next five years. A committee will prepare a set of goals and objectives for the department which will be presented to the department for approval in the spring of 1981. The committee will focus 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 3,428 students in introductory lectures (of whom 947 participated in the optional additional laboratory hour), and 3,279 in advanced courses (of whom 77 participated in the advanced laboratory courses). The final figures for graduating majors and minors in Psychology for 1979-80 are not yet available. Departmental honors were awarded: Margo Boring, Ellen Edwards, Mary Rose Gutierrez, Kim Hedrick, Cecile Krinski, Steven Raney, Richard Serna, Lee Stapp and Diann Warren.

The department offered honors sections of both Psychology 101 and 102. Special no-credit discussion sections were again offered on a volunteer basis in conjunction with introductory psychology. In addition, we continued our special enrichment program in conjunction with introductory psychology. 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 accommodate the demand.

B. Graduate Education. At the exclusively graduate level, the department
handled a total enrollment of 361 distributed among 62 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 8 candidates: Michael Boyeson, Samuel Charlton, Robert Colby, John Forester, Ricardo Gonzales, Deborah Harrington, Richard Linn, and Douglas Taylor.

The Doctoral Degree was conferred upon 6 candidates:

Susan Elaine Roden Cave  
Adviser: Samuel Roll  
Evaluation of level of stress and group cohesiveness in the wilderness experience using the MMPI and sociograms

Paula Trotter Hertel  
Adviser: Henry C. Ellis  
The role of the schema as indicated by interference effects in memory

William C. Howard  
Adviser: Douglas P. Ferraro  
Acquisition and transfer of a response sequence task in monkeys

Robert T. Nullmeyer  
Adviser: G. Robert Grice  
The effects of stimulus intensity and preknowledge on simple and choice reaction time

Gale Sutton  
Adviser: Peder J. Johnson  
Stricken trial evidence and the jury

Sherman W. Tyler  
Adviser: Henry C. Ellis  
The optimization of text processing: The potential role of advance information and a specific reading comprehension model

A longstanding 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 TA's, 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 requested to the Dean and Provost that a reasonable increase in TA support be provided for next year.
We were able to provide some support for many of our students, with 14 as teaching assistants, 8 as research assistants, 14 as NIMH trainees, 4 APA minority fellowships, and 2 with tuition scholarships. Local clinical facilities support 2 other students. Although the clinical training grant was funded it was not approved for 1980-81. The loss of 6 support positions from this grant represents a serious loss to the program.

C. Faculty. The faculty of the department numbered 27 during the 1979-80 academic year, composed of Professors Benedetti, Ellis, Feeney, Ferraro (sabbatical leave, Spring 1980), Grice, Johnson (sabbatical leave, 1979-80), Koenig (sabbatical leave, 1979-80), Logan, Norman, Rhodes, Rosenblum and Ruebush; Associate Professors Friden, Gluck, Gordon, Harris, and Roll; and Assistant Professors Brecht, Delaney, Goetz, Harnick, Hodge, Katz, Miller, Padilla, Parsons, and Ritchey. Of these, Benedetti served as Acting Dean of the Office of Graduate Studies, Norman served as Associate Dean of the College of Arts and Sciences, and Ruebush's primary commitment remained with the Department of Psychiatry. Our faculty FTE was 24.78, not recognizing leaves or sabbaticals. Dr. Roll was promoted to Professor, and Dr. Miller was promoted to Associate Professor. Professor Mark Brecht was awarded the Ph.D. from Johns Hopkins University. Cecil Rogers and Al Federovicius served as part-time faculty members.

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.

Professor Ralph Norman retired after thirty-one years with the department. We all wish him well in his retirement.
Harnick and Norman Katz have resigned as of May, 1980, and Assistant Pro-
fessor Parsons completed his terminal year. New faculty who will join the
faculty in 1980-81 are Assistant Professors Michael Dougher, Ph.D. expected,
University of Illinois (Chicago), Kevin O'Grady, Ph.D. expected, University of
Connecticut, and Jean Newman, Ph.D. expected, University of Toronto.

D. Colloquia. Distinguished speakers in our colloquium series during
the year included: Thomas Bennett (Colorado State University), Diana Davis
(University of Oklahoma), Joan Freeman (University of Manchester, England),
Charles Golden (University of Nebraska Medical Center), Robert Hicks (Univer-
sity of Lethbridge, Alberta, Canada), Steven Maier (University of Colorado),
Edward Mueller (Boston University), Amado Padilla (University of California,
Los Angeles), and William Whitten (SUNY-Albany).

In addition, Kevin O'Grady, Margie Lachman, Jean Newman, Beth Meyerowitz,
Tracy Sherman, Albert Farrell, Michael Dougher, Thomas Power, and David Newlin
were interviewed for faculty positions and all gave colloquium presentations.
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. Research. The department continued to be productive in its research
efforts. We published 48 major articles or monographs; gave 73 lectures,
workshops, or reports; and garnered $218,487 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. 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. 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. Another area is research
into hypnotic effects and various instructional procedures affecting hypnotic behavior. 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. Applied research in child development focused on individual instructional procedures and self-control in preschool children. Our faculty studies the role of dreams, adolescent male's 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 intitated. 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.

F. Scientific and Professional Societies. Members of the department continued to play an active leadership role in scientific and professional societies. Prof. 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; Prof. Grice was President of the Division of Experimental Psychology of the American Psychological Association; Prof. Harris served as President of the Southwestern Division of the Society for Multivariate Analysis; Prof. Padilla served as a member of the American Psychological Association Minority Fellowship
Program Committee; Prof. Rosenblum served as Past-Chairman of the New Mexico State Board of Psychologist Examiners; Prof. Roll was appointed to the New Mexico State Board of Psychologist Examiners; and Prof. 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 liaison 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 Profs. Brecht, Ellis, Ferraro, Grice, Harris, Johnson, and Logan.

G. 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.

H. Space. Psychology is 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 1979-80, and will formalize these in 1980-81.

I. 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.

Eleanor Orth continued as Office Manager through the year, but is retiring as of June 30. I wish to express my appreciation to Mrs. Orth for her long-time devoted service to the department. During the year, LaNelle
Ruebush accepted a promotion within the University and Anita Sergent was appointed as Department Secretary. Other secretaries serving the department during the year were Joan Block, Patti Gegick, Juliette Lagasse and Jill Ngola. 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.
### Faculty Information

#### Voting Faculty (total)

<table>
<thead>
<tr>
<th></th>
<th>70-71</th>
<th>71-72</th>
<th>72-73</th>
<th>73-74</th>
<th>74-75</th>
<th>75-76</th>
<th>76-77</th>
<th>77-78</th>
<th>78-79</th>
<th>79-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>17</td>
<td>18</td>
<td>20</td>
<td>20</td>
<td>19</td>
<td>20</td>
<td>24</td>
<td>26</td>
<td>27</td>
<td>27</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Assistant Professors</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>8</td>
<td>10</td>
<td>11</td>
<td>10</td>
</tr>
</tbody>
</table>

#### Budgeted FTE Faculty

| Year | 14 | 16.3 | 18.3 | 18.3 | 17.8 | 19.1 | 20.3 | 21.9 | 23.3 | 24.8 |

#### FTE Faculty minus leaves

| Year | 14 | 16.3 | 16.3 | 15.8 | 18.6 | 19.8 | 21.9 | 23.8 | 23.8 | 23.8 |

#### Faculty turnover (total)

|      | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 2 |

#### Resignations

|      | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 2 |

#### Tenure denials

|      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

#### Deaths and Retirements

|      | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

#### Number of faculty engaged in

- Lower division teaching: 11
- Upper division teaching: 11
- Graduate teaching: 16
- Thesis/dissertation supervision: 9

### Graduate Education

#### Introductory enrollment

|      | 1648 | 1883 | 1844 | 1401 | 1537 | 1327 | 1046 | 1117 | 1162 | 947 |

#### Optional laboratories

|      | 3324 | 4019 | 4749 | 4902 | 4424 | 4059a | 3797 | 3980 | 3642 | 3279 |

#### Advanced enrollment

|      | 209 | 151 | 159 | 159 | 158 | 163 | 110 | 98 | 116 | 77 |

#### Graduating Majors

|      | 70 | 64 | 99 | 107 | 133 | 108 | 84 | 81 | 78 | 9 |

#### Graduating Minors

|      | 50 | 31 | 63 | 44 | 71 | 78 | 48 | 66 | 88 | 9 |

### Undergraduate Education

#### Information

|      | 3565 | 3580 | 3728 | 3318 | 3577 | 3745 | 4025 | 3756 | 4003 | 3428 |

#### Scholarships

|      | 250 | 154 | 195 | 259 | 350 | 347 | 267 | 223 | 149 | 149 |

#### Information

|      | 30 | 35 | 57 | 64 | 61 | 76 | 86 | 92 | 88 | 73 |

#### Funds Support (000)

|      | $306 | $264 | $235 | $260 | $300 | $268 | $193 | $197 | $214 | $300 |

### Research Activities

#### Books and Articles

|      | 32 | 25 | 29 | 20 | 36 | 26 | 34 | 40 | 28 | 48 |

#### Lectures and Reports

|      | 30 | 35 | 57 | 64 | 61 | 76 | 86 | 92 | 88 | 73 |

#### Extramural support (000)

|      | $306 | $264 | $235 | $260 | $300 | $268 | $193 | $197 | $214 | $300 |

#### General Information

#### FTE Staff

|      | 2 | 2 | 3 | 3 | 3 | 4.4 | 5.2 | 6.3 | 9.8 | 9.8 | 8.8 |

#### Department Budget (000)

|      | $282 | $322 | $359 | $383 | $412 | $467 | $564 | $596 | $671 | $694 |

### Grade Distributions (percent)

#### Lower Division (ex labs)

|      | 15.4 | 14.6 | 16.4 | 14.5b | 13.6d | 15.0e | 16.4f | 45.9h |

#### Upper Division (ex labs. prob.)

|      | 25.9 | 30.0 | 24.7 | 25.7 | 25.2 | 21.0 | 29.7 | 62.2 |

#### Graduate (ex prob., thesis, diss.)

|      | 64.6 | 53.2 | 59.4 | 44.0 | 47.7 | 33.7 | 36.5 | 46.7 |

---

*aActually no decrease--Psy. 201 not included as taught by Math dept.*

*bOnly Fall 75 grades used for 75-76 as analyzed by Institutional Research.*

*cIncludes CR, W, I, PR, NC.*

*dOnly Fall 76 grades included.*

*eFall 77.*

*fFall 78.*

*gTotals not yet available*
January 1, 1979 - December 31, 1979

II. Composite of information requested on individual biographical supplements.

1. Advanced study

Brecht, Mark Allen--Doctoral degree conferred, Johns Hopkins University, Psychology Department, November 1979.

Ferraro, Douglas P.--National Science Foundation, Chautauqua Course "Historical Foundations of Modern Science."

Gluck, John P.--Certification: Clinical Psychologist. New Mexico Board of Psychologist Examiners. License #206.

Ritchey, Gary H.--Post doctoral work in developmental psychology, Sept. 1978 - Aug. 1979 University of Michigan, Ann Arbor, MI.


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


Miller, William Richard--Taught brief summer course for Alberta Alcoholism and Drug Abuse Commission, Calgary. Also taught summer course, "Practical Psychology for Pastors" at Ghost Ranch.

Rhodes, John M.--On sabbatical until Fall semester. Working at Instituto Nacional de Neurologia, Unidad de Investigaciones Cerebrales.

3. New scholastic honors, fellowships, etc.

Delaney, Harold D.--Recipient of an Arts and Sciences "Summer Research Stipend" award.

Ferraro, Douglas P.--Appointment to Drug Abuse Clinical, Behavioral and Psychosocial Research Review Committee of the National Institute on Drug Abuse.

Appointed to National Drug Abuse Council Task Force on Marihuana.

Elected President: UNM Chapter of Sigma Xi, The Scientific Research Society.


Hodge, Gordon K.--Membership in Sigma Xi.

Katz, Norman W.--Appointed International Director of Hypnosis Training, Proseminar Institute, San Francisco, California (effective June, 1980).

Miller, William Richard--Distinguished Dissertation Award, Section III, Division 12, American Psychological Association, Honorable Mention, 1979.


Roll, Samuel--Awarded joint appointment in the UNM Department of Psychiatry. Nomination to Adjunct Professor at the Union for Experimenting Colleges and Universities.

Rosenblum, Sidney--Appointed Professor of Psychiatry, Department of Psychiatry, School of Medicine, UNM, 1979. Who's Who in the West; Who's Who in Child Development.
4. Publications


4. Publications (cont.)


Grice, G. R., & Spiker, V. A. Speed-accuracy tradeoff in choice reaction time: Within conditions, between conditions, and between subjects. Perception & Psychophysics, 1979, 26, 118-126.


Hodge, G. K., & Hall, T. L. Multiple electroconvulsive shocks increase amphetamine-induced rotational behavior but reverse its preferred direction in rats. Neuroscience Abstracts, 1975, 5, 337. (Abstract)

4. **Publications (cont.)**


Tittler, B. I., Roll, S., & Prasinos, S. Effects of sharing a secret on subsequent level of openness. *Psychological Reports*, 1979, 45, 891-896.

4. **Publications (cont.)**


5. **Other research projects or creative work in progress or completed during period**

Brecht, Mark Allan--Submitted NSF-SOS proposal (SPI8005196) entitled, "Testing and Evaluation of the Tactual Directory for the New Mexico Union." Proposal requests $11,924 for 12 weeks starting 19 May 1980 to evaluate the effectiveness of a tactile map and directory designed to provide directional and orienting information about the interior of the New Mexico Union building to visually-handicapped persons.

Submitted preliminary proposals entitled, "The Use of Tactile Maps and Directories of Building Interiors as Sources of Directional and Orienting Information for the Visually Impaired," to Herman Harvey, National Science Foundation; Joseph Traub, National Institute of Handicapped Research; David Williamson, Office of Housing and Urban Development; and Alan Dittman, Bureau of Education and Handicap. Proposal included field evaluation of an existing tactile directory and laboratory studies of the effectiveness of conveying spatial information tactually.

Submitted a revised draft of my dissertation entitled, "A Study of Meeting and Conference Behavior" to the JSAS Catalog of Selected Documents in Psychology. Accepted for publication February 1980.

Studying discriminability of selected line, point, and areal tactile symbols by blind and sighted subjects.

Conducting survey research to investigate motorists' expectations concerning emergency vehicle warning light configurations.


Delaney, H. D. Individual differences in learning from prose: Processing differences and remediation strategies. A preliminary grant proposal was submitted to MSF's Research in Science Education program. Initial reviews were favorable and I have been invited to submit a detailed proposal, which is currently in preparation.


Maxwell, S. E., & Delaney, H. D. The difference between ANOVA of residuals and ANCOVA. Psychological Bulletin, under review.

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. Currently being revised for submission.

Norman, R. D., Miller, D. A., & Delaney, H. D. An exploration of the verbal encodability hypothesis for sex differences in the Digit-Symbol (Symbol-Digit) Test. Currently being revised for re-submission.


Supported research: Individual differences in human learning: Interactions with methods of foreign language instruction. Research project supported by funds from Research Allocations Committee.

Ellis, Henry C.--Ellis, H. C., & Tyler, S. W. Anxiety effects in memory. In preparation.


Continued research on various phases of human memory and learning (encoding, storage, and retrieval).

Submitted renewal grant for NIMH Research Service Award (Training Grant) for 1979-80. Grant in General Experimental Psychology for period 1977-1982 for $253,000 (I have supervisory responsibility for eight graduate students who are appointed as trainees under this grant).

Feeney, Dennis M.--Continued research on NIH grant NS 13684, 1978-1981. "Interdisciplinary study of brain trauma", $198,000.


Chronic dorsal column stimulation effects on H-reflex and symptoms in a patient with multiple sclerosis. Accepted for publication in *Neurosurgery*.

Ferraro, Douglas P.--In progress - Cognitive development in Navajo Indians.

In progress - Behavioral Medicine.

5. Other research projects or creative work in progress (cont.)


Goetz, T. E. Sex differences in cognitive and affective responses to achievement and affiliative outcomes. In preparation.

Gordon, William C.--Gordon, W. C. Effects of cueing on stored information, National Science Foundation, $25,000.00 (9-1-79 - 3-1-81).
5. Other research projects or creative work in progress (cont.)

Gordon, W. C., & Edwards, E. Overshadowing in the neonated rat.
Gordon, W. C., & Mowrer, R. The effect of cueing in non-training contexts on resistance to extinction.
Gordon, W. C. Facilitation of a reactivated memory with metrazol.
Gordon, W. C. Cueing effects on the short-term retention of reinforcer magnitude.


Harnick, F., Franklin, J., & Serna, R. Perceptual judgement in adults (submitted manuscript).

Harris, Richard J.—Monte Carlo studies of partitioned-U vs. step-down g.c.r. procedures for testing individual discriminant functions and canonical Rs.
Theoretical development and testing of the linear equity formula. Resulted in Harris, R. J. Equity judgments in hypothetical, four-person partnerships. Journal of Experimental Social Psychology, in press.
Theoretical development and testing of the Altruism Modification Model of game-playing behavior.

Hodge, Gordon K.—Hodge, G. K. (Principal Investigator) "A proposal to evaluate the potential use of thyrotropin-releasing hormone in reducing hyperactive behavior". Submitted to the Sandia University Research Proposal/Biomedical Research Support Grant Committee. Amount funded: $3,736. Period of support: 12/14/79 - 12/13/81.
Hodge, G. K. (Principal investigator) "I. Role of catecholaminergic systems in locomotor activity. II. Efficacy of EMG biofeedback training in the control of hyperkinesis". Submitted to Research Allocations Committee, UNM. Amount funded: $1,500. Period of support: 12/15/78 - 6/15/79.
Hodge, G. K. (Principal investigator) "Potential use of thyrotropin-releasing hormone in the control of hyperactivity". Submitted to NIH-MHHD. Amount requested: $61,199. Period of support: 7/1/80-7/1/83.
5. Other research projects or creative work in progress (cont.)

Hodge (cont.)--Hodge, G. K. (Principal Investigator) "Dopaminergic regulation of lesion-induced hyperactivity in neonatal and adult rats". Submitted to NIH-MBS. Amount requested: $29,176. Period of support: 8/20/80 - 8/19/83.

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, accepted contingent upon revisions.

Hodge, G. K., & Boyeson, M. B., & Linn, R. T. Dopaminergic agonists differentially affect open-field activity of rats with A10 lesions. Submitted for publication.


Hall, T. L., & Hodge, G. K. Effects of ECS on amphetamine-induced rotational behavior in rats. Submitted for publication.

Hodge, G. K., & Butcher, L. L. Effects of dopaminergic agonists on locomotor activity of rats with bilateral lesions of pars compacta. Submitted for publication.


Miller, William Richard--"Long term follow-up evaluation of problem drinkers" - grant from UNM Research Allocations Committee ($925) (Work completed and presented at professional meeting, submitted for publication).

"Follow-up of modular treatment program" - grant from UNM Research Allocations Committee ($900) (Work in progress).

"Rural training project for crisis intervention" - grant from Title I Higher Education Act of 1965 ($24,000) (Work in progress).

"Evaluation of a module program for problem drinkers" - grant from the National Institute on Alcohol Abuse and Alcoholism ($4985) (Work completed, presented at professional meeting, and submitted for publication).


5. Other research projects or creative work in progress (cont.)


Miller, W. R. A demonstration clinic for problem drinking women. Grant proposal submitted to the National Institute on Alcohol Abuse and Alcoholism ($171,084) — currently in priority review.


Rhodes, John M.— Effect of Thyrotropin-releasing hormone on Narcolepsy ($2500.00 funding from Clinical Research Center, B.U.M.C.). Grant submitted to NIH for above project.


Research award: Information Processing in Children's Games. ERSC/SURF Research Support Award in the amount of $4953 from 12-14-79 to 12-13-80.

Research award: Memory for Pictures. Research Allocation Committee in the amount of $1435 for 1980.

Research planned: Research on the properties of mental images which facilitate recall. Research on the properties of pictures which enhance recall. Research on children's games, including game demographics and information processing in game situations.
5. Other research projects or creative work in progress (cont.)

Melgoza, B., Harris, R. J., Baker, R. C., & Koll, S. Anglo-Chicano differences in academic preference and performance. Submitted for publication.
Jacobson, J., & Koll, S. The effects of postural position and interpersonal orientation of primary process content and form appropriateness on the Holtzman. Submitted for publication.

Rosenblum, Sidney--Aspects of depression in children.


6. Activities in learned and professional societies

Benedetti, David T.—Attended annual meeting of Western Association of Graduate Schools, March 4-6, 1979, Colorado Springs, Colo.
Attended meeting of Council of Graduate Deans of New Mexico State Universities, April 20, 1979, Las Cruces, NM.
Attended annual meeting of Council of Graduate Schools of the U.S., Dec. 4-7, 1979, Orlando, Fla.

Brecht, Mark Allan—Associate editor of Human Factors Society Bulletin. Guest reviewer, JSAS Catalog of Selected Documents in Psychology.

Delaney, Harold D.—Delaney, H. U. Individual differences and materials differences which may affect keyword method utility. Invited paper presented as part of a symposium or the Division of Learning and Instruction, American Education Research Association, San Francisco, April, 1979.

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., February, 1979.
Arranged and attended annual convention of the National Council of Graduate Departments of Psychology, New Orleans, March, 1979.
Attended meeting of the Cognitive Sciences Society, La Jolla, Calif., August, 1979.
6. Activities in learned and professional societies (cont.)

Presented over meeting of the National Council of Graduate Departments of Psychology, New York, September, 1979.
Attended meeting of the Executive Board of the National Council of Graduate Departments of Psychology, Phoenix, November, 1979.
Chairman, National Council of Graduate Departments of Psychology, 1977-79.
Member, Executive Board, National Council of Graduate Departments of Psychology, 1976-81.
Education and Training Board, American Psychological Association, Liaison Member, 1977-
Member, Ad Hoc Committee to review Graduate Training in Psychology, American Psychological Association, 1978-
Consultant, National Institute of Mental Health, 1978-
Consultant, American Psychological Association, Clinical Training Site visit Program, 1978-
Editor for Human Experimental Psychology for the Journal Supplement Abstract Services, Catalog of Selected Documents in Psychology, an APA journal.

Attended Society for Neuroscience meetings, Atlanta, July 7, 1979.

Ferraro, Douglas P.—President: Psychology Section, Southwestern and Rocky Mountain Division, American Association for the Advancement of Science.
Council Member: Southwestern Psychological Association.
President: University of New Mexico, Sigma Xi, The Scientific Research Society.
Committee Member: National Drug Abuse Council Task Force on Marihuana.
Committee Member: Drug Abuse Clinical, Behavioral and Psychosocial Research Review Committee of the National Institute on Drug Abuse.
Review Consultant: National Institute on Drug Abuse, National Institute of Mental Health, National Science Foundation, Animal Resources Board, Division of Research Resources.
Participant, Southwestern and Rocky Mountain Division Meetings, AAAS, Durango.
Participant, Behavior Therapy Conference, Ghost Ranch.


Invited chair of session on learned helplessness in humans, Southwestern Psychological Association, April, 1979.


Grice, G. Robert—Attended meetings of Psychonomics Society, American Psychological Association, Society for Experimental Psychologists. President, Division of Experimental Psychology, APA.

Chairman, Psychonomic Society Publications.


Harris, R. J. "Testing individual discriminant functions." In C. Burdsal (Chair), Applications of Multivariate techniques, Seventh Annual Users' Workshop of the Southwestern Division of the Society for Multivariate Experimental Psychology. Presented at meetings of the Southwestern Psychological Association, San Antonio, April 26, 1979.

Appointed to membership committee, Southwestern Psychological Assoc.


Hodge, Gordon K.—Secretary: Psychology Section: Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science.
Hodge, cont.--Membership in: New York Academy of Sciences, American Association for the Advancement of Science, Biofeedback Society of America.
Nominated for President, Biofeedback Society of New Mexico.
Hodge, G. K., & Hall, T. L. Multiple electroconvulsive shocks increase amphetamine-induced rotational behavior but reverse its preferred direction in rats. Poster presentation at the Ninth Annual Meeting of the Society for Neuroscience, Atlanta, November, 1979.
Butcher, L. L., & Hodge, G. K. Pars compacta of the substantia nigra modulates locomotion and circling but is not involved in regulating food and water intake. Paper presented at the Sixth International Symposium on Parkinson's Disease, Quebec, 1978.


Katz; Norman W.--President, New Mexico Society of Clinical Hypnosis.
Chairman, Advanced Psychotherapy Workshop, Society for Clinical and experimental Hypnosis, Advanced Psychotherapy Faculty, American Society of Clinical Hypnosis.
Secretary, New Mexico Psychological Association.

Logan, Frank A.--Presentations at Society of Experimental Psychologists and Psychonomic Society; attended Southwestern Psychological Association and American Psychological Association; served on Ad Hoc Committee on Public Information, APA.

6. Activities in learned and professional societies (cont.)

Served as Conference Director for the Taos International Conference on Treatment of Addictive Behaviors, Taos, New Mexico, February, 1979.

Norman, Ralph D.--Paper presented at RMPA annual meeting, April, 1979, Las Vegas, Nevada. "Psychometric profile similarity of identical twins: An unusual case and some controls." Treasurer and Membership Chairman, Member of Executive Board, NMPA.

Parsons & Taylor: "Superstitious" responding in humans under a probability schedule, Association for Behavior Analysis, 1979.

Rhodes, John M.--Ninth Annual Meeting Society for Neurosciences, paper read entitled "Positive Results in two cases of Narcolepsy Treated Thyrotropin-Releasing Hormone".


7. Other professional activities

7. Other professional activities (cont.)


Human factors consulting on product liability to Smith, Ransom and Gilstrap, Albuquerque, NM.

Human factors consulting to R. M. Systems, Inc., Albuquerque, NM on proposed evaluation of Air Force maintenance system.

Delaney, Harold D.—Reviewer, Psychometrika.
Reviewer, Journal of Educational Psychology
Reviewer, JSAS, Catalog of Selected Documents in Psychology.


Consultant to Journalism Administrators Workshop, Wagoner, Oklahoma, October, 1979; Brooks-Cole Publishers; New Mexico Public Defenders.

Feeney, Dennis M.—Mathematical prediction of post-traumatic epilepsy.
Grand Rounds, Department of Neurology, UNM, 1979.
Mathematical prediction of post-traumatic epilepsy. Colloquium, Department of Physiology, UNM, 1979.

Consultant: Albuquerque Public Schools
Consultant: Animal Resources Board, National Institutes of Health
Expert Witness: Public Defender's Office
Expert Witness: District Attorney's office
Expert Witness: Federal District Court

Friden, Thomas P.—Attended meeting of the VA cooperative study on Aphasia operations committee in Baltimore, October, 1979.

Consultant: Rio Grande Zoo

Workshops on optimizing conference impact, Fall, 1979.
Interviewed for Tribune article, October, 1979.
7. **Other professional activities (cont.)**

Gordon, William C.--Reviewed Grant Proposals for N.S.F.
Invited Colloquium, Department of Psychology, New Mexico Highlands University, November, 1979, "retrieval - Induced Information Processing."

Grice, G. Robert--Ad Hoc reviewer for several journals.

Harnick, Frances S.--Advisor to Esperanza School, Programs for Children, Medical School.


Katz, Norman W.--Self Help Through Self Hypnosis: A Postgraduate Education workshop offered through the Proseminar Institute, accredited by APA, AMA and the University of California, in various cities throughout the USA.

Logan, Frank A.--Colloquium, UTEP.

Miller, William Richard--Consultancies: Addiction Research Foundation, Toronto; Alberta Alcoholism and Drug Abuse Commission, Calgary; Office of the Public Defender, Albu.; Veterans Administration; Editorial consultant for numerous publishers and journals; Guest Editor for *Addictive Behaviors* special edition.
Grant consultant, Native American Alcohol Abuse Prevention Project.
Consultant to Addictions Prevention Laboratory, Penn State University.

Padilla, Eligio R.--Research Consultant, Indian Health Service.
Research Consultant, Colorado State Hospital, Pueblo, Colorado.
Clinical Consultant, Little Haven, Inc., a non-profit corporation and shelter-care facility.
Training grant consultant, National Institute of Mental Health.


Rhodes, John M.--Talk for Epilepsy Foundation at Vocational Rehabilitation Center.

Rosenblum, Sidney--Project Director, Clinical Psychology Training Grant, NIMH, 1979-80, $34,142.00.
7. Other professional activities (cont.)

Rosenblum cont.--Mental Health Consultant, Bernalillo County Head Start Program.
Professional Advisory Board, Children's Psychiatric Center, UNM.
Perceptor, School of Medicine, UNM.
Editorial Consultant for Prentice-Hall; Random House; Dorsey Press;
Holt, Rinehart and Winston.
Eight off-campus talks to community groups.
Certified SOMPA assessor, Institute for Pluralistic Assessment Research and Training, (course taken through UNM).

Gave talk, The burn-out phenomenon in Mental Health Professionals.
   East Area Counselors, 5/3/79/
Child Guidance Center Services. Off-campus talk at the Sandia Laboratories Corp, 8/21/79.
Tests can Help You Choose a Career. Talk to El Dorado High School seniors, 11/21/79.
The Effective and Humane Counselor. Paper read at the International Year of the Child Conference on Human Education. UNM, 12/8/79.
Gave a number of other off-campus talks to groups of parents and teachers during the year.

8. Non-teaching University service

Benedetti, David T.--Associate Dean of Graduate Studies, 2/3 time, through June, 1979.
Acting Dean of Graduate Studies, July 1 - Dec. 31, 1979, 2/3 time (full time 2 mos., summer).
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, ad hoc Committee on Drop-Add Policy
Member, Early and Mandatory Retirement Steering Committee
Member, Psychology Dept. Committees: Graduate Admissions, Clinical, Faculty Evaluation, Minorities

Brecht, Mark Allan--Served on four departmental committees.
Advisor to Senior Honors research project.

Graduate General—Experimental and Methodology Committee (Chair).
Learning Committee, Financial Aid Committee, Computer Facilities Committee.
Thesis and dissertation committees: James Franklin (M.A.); Deborah Taylor (M.A.); Betsey Wolff (M.A.); Merith Cosden (Ph.D); Lloyd Crawford (Ph.D); Lee Davis (Ph.D); Mark Kinnucan (Ph.D.); Ricardo Martinez (Ph.D.); Marvin McCallum (Ph.D.); Michael Rodríguez (Ph.D.); John Schmizlein (Ph.D.).
8. Non-teaching University service (cont)

Delaney cont.--Faculty advisor: Inter-Varsity Christian Fellowship.

Ellis, Henry C.--Chairman, Psychology Department.
    Faculty Senate
    University Affirmative Action Committee
    Chaired three dissertation committees
    Chaired five thesis committees

Feeney, Dennis M.--UNM Advisory Committee on the Handicapped.

Ferraro, Douglas P.--Faculty Senate
    Research Policy Committee
    Faculty advisor to Returning Students Association
    Chair, Faculty Senate Committee on Research
    Faculty Senate Executive Committee
    Chair, three Dissertations and two M.A. Theses, five Departmental
    Committees, etc.

Friden, Thomas P.--Chairman, Research Allocations Committee.
    Research Policy Committee; Chairman, statistics committee; Chairman,
    Admissions Committee; Undergraduate Advisement; Financial Aid;
    Equipment; Computer Facilities; General Experimental and Methodology
    Committee.

Gluck, John P.--Director of Dept. of Psychology Animal Research Facility.
    UNM Student Health Center Therapist; donate 50 hours per month.

Goetz, Therese E.--University Committee on Human Subjects; Department
    Committee on Minorities; Department Committees for Graduate Study
    in General Experimental and Methodology, Developmental, and
    Learning.
    Department Search Committee to review candidates for positions in
    Developmental Psychology.
    Department Party Committee
    Doctoral Dissertation Committees: Tina Muehlenweg (Chair); Joan Riedle
    (Chair); James Allender; Richard Baker; Wlizabeth Clark; Lloyd
    Crawford; Bertha Melgoza; Christine Nicholson; Gale Sutton; Cara
    Cope Wilson.
    Master's Thesis Committee: Joan Riedle (Chair, completed Spring, 1979).
    Honor's Thesis, major advisor: Linda Smith (completed Spring, 1979);
    Mary Gutierrez, Diann Warren.

Gordon, William C.--Chairman, Introductory Psychology Committee.
    Member: Graduate Learning and Psychobiology Committees, Animal Facilities
    Committee, Faculty Evaluation Committee, Ad Hoc Committee to Assess
    Human Subject Availability.
    Member of one Doctoral Dissertation Committee (Paula Hertel).
    Member of one Master's Thesis Committee (Kenneth Leight).
    Sponsor of two Honor's Theses (Doris Shinusky, Ellen Edwards).
    Two lectures for Talented Students Program.

Grice, G. Robert--Department Committees: Learning; Graduate Curriculum;
Colloquium; Equipment; Faculty Evaluation; Shop.
8. Non-teaching University service (cont.)

Harnick, Frances S.--College of Education Graduate Committee.
   Faculty Ethics Committee.

Harris, Richard J.--Usual share of departmental committee work. Member of the University Computer Use Committee for 1979-80 school year. Barbara K. Maginn completed her Master's thesis ("The effects of anticipated evaluation on individual brainstorming performance") under my chairmanship. Continued as chair of Rob Colby's Master's thesis committee. Member of several other Master's, Ph.D. committees in psychology and in HPER.

Hodge, Gordon K.--Faculty Advisor and Chairman of M.A. Committee for M.B. Boyeson and R. T. Linn.
   Faculty Sponsor for Senior Honor Students F. A. Collatz and M. J. Boring.

    Member of Undergraduate Academic Affairs Committee.
    Member of Faculty Senate Basic Skills Evaluation Committee.
    Member of the following Psychology Departmental Committees: Introductory Psychology, General Experimental and Methodology, Psychobiology, Graduate Curriculum, Animal Facilities, Shop, Surgery, Computer Facilities.

Katz, Norman, W.--Faculty advisor to undergraduates.

Logan, Frank A.--Research Policy Committee; A&S Graduate Committee; A&S Promotion Committee; A&S Tenure Committee; various departmental committees.

Miller, William Richard--Undergraduate advisor.
   Inservice training for Day Treatment Center.
   Committee on Human Subjects
   SURF/BRSG Committee.
   Arts Therapies Committee, several departmental committees.

Norman, Ralph D.--Women's Center Committee; TVI-UNM Joint Planning Committee; Provost's Committee on Gerontology; Provost's Steering Committee on Early and Mandatory Retirement; Psychology Department Committees.

Parsons, Joseph A.--Various Departmental Committees.
    High School Day at UNM.

Rhodes, John M.--Departmental Committees.

Ritchey, Gary H.--Service on five departmental committees.

Roll, Samuel--Work on several departmental committees. Service as faculty advisor to several students at the undergraduate and graduate levels.

Rosenblum, Sidney--Assistant Chairman, Department of Psychology.
   Acting Chairman, Summer Session, 1979, Department of Psychology.
8. **Non-teaching University Service** (cont)

Rosenblum cont.--Director of Clinical Training, Department of Psychology.
Chairman, Financial Aid Committee, Department of Psychology
Member, Admissions Committee, Department of Psychology.
Committee of Five, UNM Faculty
Member, Cultural Committee, UNM.

Ruebush, Britton K.--Chairman of one Ph.D. Dissertation Committee in Psych.
Dept. Member of three Dissertation Committees in Psych. Dept.
Member of two Dissertation Committees in Dept. of Guidance & Counseling. See attached
Dept. of Psychiatry Departmental Committees:
Chairman's Advisory Committee
Children's Committee
Division of Child & Adolescent Psychiatry
International Year of the Child Planning Committee
Department of Psychology, Departmental Committees:
Clinical Psychology Committee
Faculty Evaluation Committee
Developmental Psychology Committee

9. **Public Service**

Brecht, Mark Allan--Member, Board of Directors, Villa de Paz Homeowners Association.
Volunteer consultant on environmental design to All Faiths Receiving Home, Albuquerque, NM.

Delaney, Harold D.--Talks on world hunger to various Christian groups.

Ellis, Henry C.--Sponsor, New Mexico Symphony.

Ferraro, Douglas P.--New Mexico Heart Institute.

Harnick, Frances S.--Advisor to Hadassah on children.


Miller, William Richard--Guest sermons for several churches, guitarist and choir member for St. Andrew United Presbyterian Church.
Chair of Advisory Board to the Counseling Center: An Interfaith Agency.
Guest teacher for Albuquerque Academy.
District III Planning Task Force member

Norman, Ralph D.--Jewish Community Council.
Community Center Planning Committee.

Roll, Samuel--Approximately 12 presentations to various community organizations as a service.
9. **Public Service (cont.)**

Rosenblum, Sidney--Arts Judaica Committee, Congregation B'nai Israel.

Ruebush, Britton K.--Member, United Way Executives Committee.
   Member, Board of Directors, Southwest Broadway Youth Development Program.
   Member, Host Committee, Albuquerque Friendship Force.

10. **Personal Information**

   Ferraro, Douglas P.--Reached age 40 without precipitating a mid-age crisis!

   Harris, Richard J.--Won WOLF Marathon (Univ. of Albuquerque, April 7),
      setting course record fo 3:04.11.
      Won 38-48 division of UNM Intramural Budman Run, spring semester, 1979.
I. GENERAL DEPARTMENTAL INFORMATION

During the Fall of 1979, Chairman Pedro David was on leave in Buenos Aires, Argentina in order to do research on Latin American criminology. Melvin DeFleur was Acting Chair in Professor David's absence.

A group of students from the University of Juarez visited on exchange as part of the projects on deviance in late Spring 1980.

A small amount of remodeling was completed in the Departmental Office during December of 1979 to allow for much needed office space and a more efficient mail distribution.

Staff Additions

The Department gained two new positions during the year as a result of increasing enrollments and effective functioning of the PhD program. A national search conducted, according to EEO rules, resulted in hiring Professor Gary LaFree for the Deviance and Criminology position, appointed for a three-year term and Professor Paul Steele for the Criminology position, appointed for a three-year term.

Lecturers

During the Spring 1980, lecturing to students of Deviance and NIMH students were: Miguel Lucero Palma,
Consultant to the Juarez University of Welfare; Charlene Tsoodle-Mareos, Head of the Indian Desk of Criminal Justice Department of the State of New Mexico; Jerrold Levy, Professor of Anthropology, University of Arizona at Tucson; and Felipe Gonzales, Chicano Studies, University of New Mexico.

Curriculum

At the graduate level new rules and regulations were established outlining different areas and concentrations of requirements for the Masters and PhD examinations. We have a total of 35 students in our doctoral and masters programs.

Graduate Assistantships were awarded to: Gary Lemons, Sallie Teaf, John Paul Jones, Aurora Lawrence, and during Spring, 1980 assistantships were awarded to Angelina Casillas and Ruth Reidy. RoseMary Clark was appointed Graduate Assistant for Sociology 100, Basic Skills Course.

We continue to have ten NIMH Traineeships.

II. FACULTY ACHIEVEMENTS

Bogart, Dodd H.
(continued)


Activities: Faculty Senate,
Budget Review Committee.

Coughlin, Richard M.


Review: "Insight and Social Betterment" by James Rule, in Social Forces (Fall 1979).

Meetings: presented "Public Opinion on Social Policy in Rich Nations" at the 1980 meeting of the Comparative Interdisciplinary Studies Society, March 1980 in Los Angeles, CA;
"Methodological Issues in the Comparative Study of Social Security" at the 1980 meeting of the Western Social Science Association, April 1980, Albuquerque, NM.

David, Pedro R.

Articles: "Contraband at the Border" in Problems of the Undocumented Worker, Latin American Institute (UNM), 1979, pp.51-54.
David, Pedro R.
(continued)

"Criminology in Argentina" in International Handbook of Contemporary Developments in Criminology, Greenwood Press, 37 pp. Elmer Johnson (ed.).


Books: Criminologia y estructura social Universidad del Zulia-Venezuela, 1979; 189 pages.


Youth Delinquency-Recreation and Treatment-Buenos Aires, 6 Nov. 1979, 47 pages.


Research: As a result of the Santa Fe Prison Riot, he was consulted at various stages of the problem; research is underway at the moment.

Continue research on Project Proposal for National Science Foundation on Problems of Legal Socialization.

Joint project with the School of Social Work on undocumented workers, Universidad Autonoma, Juarez, Mexico.


Addressed the IV National Congress of Private Universities, 15,16,17, October 1979.


David, Pedro R. (continued)


Participant speaker at the VI National Congress of Sociology, Cordoba, Argentina, Aug. 19, 1979.


"A Frank View of the Fulbright Commission Abroad" at the Fulbright Alumni Meeting, May 2, 1980, UNM Faculty Club.

Addressed the Rocky Mountain Social Science Association, 8th Annual Meeting.

Commentator on the Panel of MITRE, April 3-5, 1980 in Santa Fe, NM.

"What's wrong with our penal institutions?" at the Harvard-Yale-Princeton Club, April 7, 1980.

Activities: Appointed Secretary General of the Pan American Society of Criminology, Buenos Aires, Nov. 1979.
David, Pedro R.
(continued)

Visiting Professor for Sociology course organized by the "Sociedad de Estudio y Difusion Economico Social", CORRIENTES, Argentina, Sept. 21-24, 1979.

On Sabbatical, Fall of 1979 in order to do research on Latin American criminology.

Extraordinary professor at the Center for Criminological Studies, Cordoba, Argentina, Nov. 1979.

Member, University Press, Committee, Spring 1979.

Member, Albuquerque Committee in Foreign Relations.

Invited to advise the organization on the Meeting of the Sixth World Congress on Prevention of Crime and Treatment of Offenders to be held in Venezuela, Aug. 24-Sept. 2, 1980.


Theories of Mass Communication (Spanish version, 1980).

Milestones in Mass Communication Research (forthcoming).

Social Problems in America (forthcoming).
DeFleur, Melvin L. (continued)

Research: Grant of $91,456 from the Center for Studies of Crime and Delinquency of the National Institute of Mental Health (5 T01 MH15219-03) PhD Training Program in applied research in deviant behavior.

Meetings: "An Axiomatic Theory of Attitudes and Behavior With Implications for Persuasion at Speech Communication Association Meeting, Portland, OR.


"A New Look At Human Communication" Florida International University, March 1980, Miami, Florida.

"A Biosocial Theory of Communication in the Perspective of Clinical Sociology" at the Southwestern Social Science Association Meeting, Houston, TX, 1980.


Delivered Founder's Lecture to the Association for Education in Journalism, Houston, TX, 1979.


DeFleur, Melvin L.  
(continued)  
Served as Acting Chair for Summer and Fall, 1979.

Gehlen, Frieda L.  

Research: working on a study of the church and older persons, with a particular concentration initially on retirement among clergymen, also including a study of the attitudes of ministers toward ministry to older members of the parish, 1979-80.

Activities: Referee for Social Forces; Member of the Review Panel for the National Science Foundation, Comprehensive Assistance to undergraduate Science Education Program, Los Angeles, CA, Jan. 1979; Benefits Committee; Departmental Recruitment Committee; Lutheran Campus Council.

Sabbatical-Academic year 1979-80.

Huaco, George A.  


Presentation: "Toward a Sociology of the Occult Tradition" to the Sociology Department Colloquium, UNM, Spring 1980.

Activities: Summer 1979, taught at the Universidad Autonoma de Guadalajara, Jalisco, Mexico.
Huaco, George A.  
(continued)  
Summer, 1980, serving as Acting Chair for Sociology Department.

LaFree, Gary D.  


"The Effect of Race on Criminal Processing in Rape Cases: New Evidence from a Longitudinal Study" (under review).

"Sexual Politics in Court: The Prosecution of Sexual Assaults and other Felonies" (with Dr. Martha Myers; under review).


Research: "Structural Analysis of Jurors' Verdicts in Rape Trials" sponsored by NIMH, No. R01 MH29727-01A1, National Center for the Prevention and Control of Rape, Total direct and indirect costs of grant for 2 year funding period:$225,000 (1978-80).

"Race and Involvement in Common Law Personal Crimes" (early stages of data collection; small grant from the Research Allocation Committee, is pending).

Meetings: "Variables Affecting Guilty Pleas and Convictions in Rape Cases: Toward A Social Theory
LaFree, Gary D.
(continued)

of Rape Processing," at the
Midwestern Sociological Association Meeting, Minneapolis, April 1979.

"Sexual Politics in Court: The
Prosecution of Sexual Assaults
and Other Felonies" at the Amer-
ican Criminological Association

"Assessing Official Reactions to
Sexual Assault: A Multivariate
Analysis of the Police Response" at the Pacific Sociological Association Meeting, San Francis-
co, April 1980.

"The Effect of Race on Criminal
Processing in Rape Cases: New
Evidence from a Longitudinal
Study" at the American Sociolo-

Activities: Radio and television
interviews on crime and crime
rates, 1979-80.

Research: with Phillip S.
Katz, "Motor Vehicle Accidents
on the Navajo Reservation: 1973-
75" printed monograph, Navajo
Health Authority, Window Rock,
AZ, 104 pp., May 1979.

With Phillip S. Katz, "Motor
Vehicle Accidents on the Navajo
Reservation: Public Information
Pamphlet" Navajo Health Authority,

With Phillip S. Katz, "Motor
Vehicle Accidents on the Navajo
Reservation: Health Planning
Summary" Navajo Health Authority,

"Motor Vehicle Accidents and Prevention" at the Navajo Health Conference Alcoholic Workshop, Aug. 15-17, 1979; Tuba City Indian Health Service Hospital, Tuba City, AZ, Nov. 8, 9, 1979.

Three lectures on Motor Vehicle Accidents-Their Causes and Prevention: Alcohol Legalization and American Indians; Drinking Among Indians.

Consultant to a Meeting between Navajo Tribal Health Officials.

On the executive committee of the staff of Governor Bruce King's personnel on the Prevention of Auto Accidents in New Mexico, Aug. 28, 1979.

Consultant and Project Director, Fetal Alcohol Syndrome Project, sponsored by Indian Health Service, All-Indian Pueblo Council, Dec. 1979 to present.

Research: completed 5 year survey of seniors at St. Pius High School. Received University funding from Research Allocations Committee to pool the 5 years of data into one dataset. The latter project will be completed this summer, 1980.
Research continuing on human rights with particular focus on Latin America and the role of the Catholic Church, paper will be presented in Fall of 1980 (Nov.) at the Annual Meeting of Society for the Scientific Study of Religion, Cincinnati, OH.

Activities: Panel participant on the family, crises and suggested solutions. Sponsored by the National Endowment for the Humanities in connection with the International Year of the Child, Nov. 1979.

Presentation on Contemporary American religion in two talks: October 1979 and June 1980 to Sandia Civitan Club, Albuquerque, NM, sponsored by University of New Mexico Speakers Bureau.

Membership on Executive Committee of Religious Studies Program.

Undergraduate Advisor for Department of Sociology.


Membership on the Athletic Council involved an extraordinary commitment of time due to the "crisis" in the basketball and football program. From this commitment came membership on search committee for Assistant to the Athletic Director for Academic Advisement, completed in May 1980 with the hiring of a person for this position.
Meier, Harold C./

Research: Project concerning impact of historical changes in economic systems of Cuba on structure and functions of Cuban family life, with special attention to the changing roles of Cuban women in the family and in the society, tracing such changes from colonial times to present, Summer 1980.

Merkx, Gilbert C.


Activities: President, Rocky Mountain Council on Latin America, 1979-80.

Member, Committee on the Profession, Consortium of Latin American Studies Programs, 1979-80.
Merkx, Gilbert C. (continued)

Consultant to Holt, Rinehart, and Winston.

Member, Public Advisory Board, University of New Mexico-EMD, Socio-Economic Study of the WIPP.

Governing Board, New Mexico Consortium on Latin American Studies.

University Press Committee; Regents Committee on Membership on Search Committees.

Search committee, UNM Press Director; President, Faculty Council on Latin America; Search Committee for Director of the Latin American Institute.

Chair, Provosts' Task Force on the Southwest Hispanic Research Institute; Policy Committee, Latin American Institute; Budget Committee, Latin American Institute.

Chair, Graduate Committee, Sociology Department; Standing Evaluation Committee.

Latin American Institute; Planning Committee for the Visit of President Lopez Portillo of Mexico; Deans' Advisory Committee, Arts and Sciences; Mexico Week Committee.

St. George, Arthur

Articles: "Mass Media, Political Behavior and Political Attitudes" submitted to the American Sociological Review.

Research: "Revitalization and Change in Police Agencies" submitted to the Law Enforcement Assistance
St. George, Arthur
(continued)
Administration; continuing research on biography of dramatist and environmentalist, Joseph Wood Krutch.

Activities: Graduate Committee, Sociology Department.

Arts and Sciences Computer Use Committee.

Steele, Paul D.


with J. Sobczak and M. Peterson, "Evaluation of a New Sexual Assault Treatment Center", research report, National Institute of Mental Health, 1979.


Steele, Paul D. (continued)


"Plan for an Experimental Project in Probationer Rehabilitation" for the Law Enforcement Assistance Administration, Division of Corrections, State of Wisconsin, with CAS Subcontract for design and evaluation, June 1979.

Activities: Human Subjects Review Committee, College of Arts and Sciences.

New Mexico Council on Crime and Delinquency.

Ad hoc Committee on Prison Reform.

Tomasson, Richard F.


"Report of the President" of SASS, Scandinavian Studies 51:3 (Summer) 1979, pp. 333-334.

Advisor to: Kenneth Janda, Comparative Political Parties: A Cross-National Survey (forthcoming.)


Attended Meetings of the American Sociological Association in Boston, MA, August 1979.

Participant in the Scandinavian Translation Conference at the University of Minnesota, Sept. 1979.

Tomasson, Richard F. (continued)


Attended a seminar on Swedish politics at the University of Michigan, Ann Arbor, April 30, 1980.

Attended annual meeting of the Society for the Advancement of Scandinavian Study, University of Michigan, Ann Arbor, May 1980.

Attended meeting of the Comparative Interdisciplinary Studies Society in Los Angeles, CA, March 1980.

Activities: Editor, Comparative Social Research.

Advisory Editor, Journal of Political and Military Sociology.

President of the Society for the Advancement of Scandinavian Society (SASS) until May 1980.

Elected Chairman of Comparative Interdisciplinary Studies Society for 1980-81 at Toronto meeting in March 1980.

Member of Sub-committee on Western Europe; Committee on World Sociology; member of the Council on Comparative Interdisciplinary Studies Society; Arts and Sciences Promotion Committee; PhD Dissertation Committee of Eric J. Devor in Anthropology titled "Historical Demography in the Islands, Finland: The Size and Composition of Households and Families from 1760 to 1880."

Member of the Advisory Committee on Scandinavian Publications, University of Minnesota Press.

Articles:

Meetings:
- "Random Thoughts on the Transition to Socialism Problematic" at the National Conference on Cuba, November 2, 1979, New York.
- "Radical Feminism and the Cuban Revolution" at the National Conference on Cuba, November 2, 1979, New York.
- "Cuba's Economic System" at the National Conference on Cuba, November 2, 1979, New York.
- "Cuba's Relations with the Caribbean" at the Central American Conference, Las Cruces, NM, November 1979.
Valdés, Nelson P. 
(continued) "Latin America Today: Problems and Prospects" sponsored by the Latin American Consortium, UNM, March 8, 1980, Moderator.

"Problems of Women in Latin America" at the Roundtable Discussion sponsored by the Student Organization of Latin American Studies, UNM, March 5, 1980.

Honors: 1980 Tinker Foundation Fellowship.

1980 Ford Foundation Research Grant.

Assistant Director for Academic Programs, Latin American Institute (1980-81).

Woodhouse, Charles F. Research: with Henry J. Tobias, University of Oklahoma, "Revolutionary Optimism and the Practice of Revolution".

with Dodd Bogart, on an article in progress on organizations and social change.

Activities: Member, University Curricula Committee; member, Curriculum Committee in the Department of Sociology; Undergraduate Advisor in the Department of Sociology.

III. DEPARTMENTAL COMMITTEES

Committees during this academic year:

Graduate: Gilbert Merkx (Chairman), Arthur St. George and Patrick McNamara.

Curriculum: George Huaco (Chairman), Charles Woodhouse, Nelson Valdés and Philip May.
Committees (continued)

Recruitment: Melvin DeFleur (Chairman, 1st semester),
Pedro David (Chairman, 2nd semester), Richard
Tomasson, Philip May and Gary LaFree.

Research: Melvin DeFleur (Chairman), Harold Meier,
Dodd Bogart, Richard Coughlin and Paul Steele.

Student Grievance: Graduate Committee

Salary: Richard Tomasson (Chairman), Frieda Gehlen and
Philip May.
The Report of the Department of Speech Communication
July 1, 1979 - June 30, 1980
Kenneth D. Frandsen - Chairman

I. GENERAL DEPARTMENTAL INFORMATION
   A. Significant Achievements .............. 1
      1. Instructional Activities
         a. Grading Practices ............... 2
         b. Course Enrollments ............. 2-3
         c. Evaluation of Instruction ...... 3
         d. Curriculum Modification and Development ...... 3-4
         e. Special Programs ............... 4-6
      2. Departmental Operations and Activities
         a. Faculty Decision-Making .......... 6
         b. Service in the University ...... 7
         c. Service to Professional Associations ...... 7
         d. Research Appointments and Sabbatical Leaves ...... 8
         e. Departmental Library ............ 8-9
         f. Physical Facilities .............. 9
   B. Significant Plans and Recommendations
      1. Degree Programs .................. 10
      2. Funded Research .................. 10-11
      3. University Forensics Program ...... 11
   C. Appointments to Staff
      1. Faculty .................................. 12
      2. Graduate/Teaching/Research Assistants ....... 12
      3. Staff .................................... 12
      4. Work-Study Students ............... 12
   D. Separations from Staff
      Faculty .................................. 13

II. FACULTY ACCOMPLISHMENTS .............. 13-19

ATTACHMENT
I. General Departmental Information

A. Significant Achievements

At the beginning of the 1979-80 academic year, four new faculty members joined the Department: B. Spiker (Organizational Communication/Director of Forensics), J. Schuetz (Rhetorical Communication), E. Kaminzki (Organizational Communication), and K. Frandsen (Chairman), bringing the total number of full-time faculty to ten. During the year the Department recruited and appointed an additional new faculty member, A. Lichtenstein (Telecommunication) who will replace R. Schrag at the beginning of the 1980-81 academic year. These appointments have strengthened the Department's capabilities significantly and they match the preliminary goals of the Department as outlined in the 1979 Statement of Organization and Direction (see Attachment A, 1978-79 Annual Report). The Department's long-range goal, namely, a faculty of twelve full-time members, has not been met and continues to be warranted by the need for flexibility and the pressure to be responsive to expectations concerning teaching, research and service.

The details of this report document the increasing levels of involvement, commitment, and achievement by faculty and students in the areas of teaching, research and service. Nevertheless, this report also documents the Department's continuing need for improved physical facilities, additional graduate teaching assistants and
and full-time faculty, and increased budgetary support.

1. **Instructional Activities**: (grading practices, course enrollments and demands, evaluation of instruction, curriculum modification and development, special programs).

   a. **Grading Practices**: The departmental faculty and staff have continued their effort to assign grades in a manner that reflects the accomplishments of students accurately. Several of the faculty use "criterion-referenced" rather than "norm-referenced" standards for evaluating the progress of students. The use of these standards often provides students with an early indication of their prospects for achieving high marks at the end of the semester. These early signals prompt some students to delay enrollment or drop courses while their successful peers remain enrolled. The net effect of this combination of criterion-referenced standards and student de-selection is that A's and B's may account for a larger proportion of all grades especially in upper division courses or in some lower division courses required of students in other major programs but delayed until later in the student's overall program of studies. Analysis of grade reports submitted by faculty in this Department indicates that these factors account, in part, for the character of the grade distribution for courses in Speech Communication.

   b. **Course Enrollments**: The demands of both traditional and non-traditional students for courses in Speech Communication has remained high and is increasing. In introductory courses that are typically offered each semester (101, 102, 130, 221, 240 and 268) student enrollments number between 900 and 1050, with an additional 500 enrolled in
other classes. Enrollments in the Fall semester were only slightly higher than enrollments in the Spring, and the demand for courses offered during late hours and in the Summer Session has remained strong.

c. Evaluation of Instruction: Reports of students' evaluation of instruction 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.

d. Curriculum Modification and Development: The Department continued its participation in the activities of the University Radio, Television and Film Council throughout the year. The Council's function has been to coordinate the efforts of the Departments of Speech Communication, Journalism, Theatre Arts, and Educational Foundations in the acquisition of equipment, the appointment of faculty and staff and the development of curricular paths for students interested in pursuing various aspects of the study of Mass Communication. The contribution of the Department of Speech Communication to this coordinated effort will be to offer a curriculum segment which emphasizes the history, regulation, social effects, management, marketing, and comparative or critical analysis of electronically mediated messages. In addition, student internships will be structured and supervised by departmental faculty in cooperation with commercial and non-commercial broadcasting organizations. The Department submitted
and received approval of several course changes and two new courses (110 and 262) as an initial step in the implementation of the "Report of the Curriculum Subcommittee of the Radio TV/Film Coordinating Council" (see Attachment B, 1978-79 Annual Report). The Department acquired several equipment items necessary to support its offerings and participated in the development of a policy regarding internship standards, requirements and activities. As modifications and additions to the Department's curriculum are completed, announcement of their nature and availability will be made within the University and to the community at large.

During the year the faculty began discussion of the development of an advanced curriculum in Applied Communication Studies. The Department has continued to offer courses at the Santa Fe Graduate Center and to consult widely with representatives of governmental, business and non-profit organizations. The relative success of these activities and courses invites consideration of Applied Communication Studies. The Department has strengthened its affiliation with the Department of Sociology through the joint appointments of M. DeFleur and T. Plax in both departments and through the cross-listing of courses. Similarly, the Department has increased its involvement in the American Studies and Religious Studies programs through the offering of courses and the cooperating efforts of R. Jensen and J. Schuetz. The Department, through its curriculum and faculty, has continued to serve the needs of intermediate and advanced students in the Anderson School of Management, the College of Education, Dental Programs, and the School of Nursing.

e. Special Programs: During the Fall semester the Department
sponsored and provided faculty assistance in the UNM Forensic Union's 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 (see attachment).

In January of 1980, with the sponsorship of the Provost's office, the Department coordinated a series of sessions focused on the development of instruction and research in Mass Communication. Dr. Barry Sherman (Western Michigan University) met with faculty and students representing the Departments of Journalism, Sociology, Theatre Arts, Educational Foundations and Speech Communication to discuss methods and materials for instruction in courses about the history and criticism of television broadcasting. The purpose of these sessions was to assist faculty in the development of a new course to be jointly listed and offered by the Departments of Journalism, Speech Communication and Theatre Arts. The course, "Evolution of Television," will be offered for the first time during the Fall Semester of the 1980-81 academic year and will serve as the introductory course for students interested in the available variety of curricular pathways in the area of Mass Communication. Dr. Sherman also reported his research concerning the composition and activities of citizens' groups that are organized to affect the structure and content of television broadcasting.

During the Spring Semester the Department invited two applicants to interview for a position on the faculty. As a part of their visits, L. Wenner (University of Iowa) and A. Lichtenstein (State University of New York, Buffalo) reported their research on the
characteristics of television audiences. The Department cosponsored with the Department of Educational Foundations, a series of sessions featuring O. J. Harvey (University of Colorado) who reported his research on the structure of belief systems. Each of the colloquia presented by these guest lectures was attended by faculty and students from other departments, and 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.

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, L. Rosenfeld served on the Promotion Committee for Social Sciences and T. Plax chaired the Arts and Sciences Committee on the use of human subjects in research. J. Civikly continued her membership on the Linguistics Faculty and R. Jensen represented the Department on the Arts and Sciences Graduate Committee. At the University level, the Department was represented on the Radio/TV/Film Coordinating Council by J. Civikly and K. Frandsen. L. Rosenfeld served on the Admissions Committee and J. Civikly was a member of the Curriculum Committee of the Faculty Senate. R. Schrag continued his membership on the Student Radio Board.

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 was President of the New Mexico Communication Association and was appointed to the editorial staff of Liberal and Fine Arts Review and to the Commission on International and Intercultural Speech Communication of the national Speech Communication Association. L. Rosenfeld continued his editorship of the Western Journal of Speech Communication and was appointed to membership on the Publications Board of the national Speech Communication Association. Rosenfeld also served as a member of the SCA's Awards Committee. J. Civikly chaired the Speech Communication Education Group, J. Schuetz served as Secretary of the Freedom of Speech Group, R. Jensen was Vice Chair of the Rhetoric and Public Address Group, and K. Frandsen was elected as a 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. Jensen and Civikly continued their membership on the editorial board of the Western Journal of Speech Communication. E. Kaminski chaired the SCA's Committee on Communication and Law, and J. Schuetz was appointed to the Association's Committee on Accountability and Responsibility in Governmental Communication. T. Plax and M. DeFleur were invited to present their paper, "A Biosocial Theory of Human Communication," in English and in Spanish at the annual meeting of the International Communication Association in Acapulco, Mexico. In Forensics, UNM Director of Forensics, B. Spiker, became a member of the District IX National Individual Events Tournament Committee, and Assistant Director, J. Reynolds, was elected as the Southwest Representative to the National Executive Council of the Cross-examination Debate Association.

d. Research Appointments and Sabbatical Leaves: During the 1979-80 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 E. Zannes was granted a sabbatical leave during the Fall Semester for travel and research in the area of communication and law enforcement.

e. Departmental Library: J. Civikly has served as the Department's Library Liaison during the past year. The Department has continued its effort to acquire and organize material in a Departmental Library. The Department's present holdings have been completely inventoried and catalogued and space has been reserved for the
purpose of maintaining a working collection and making it available to faculty, staff and students. However, both space and funds necessary to house and develop a useful working collection seem to lie outside the present and projected resources of the Department.

f. **Physical Facilities:** The faculty and graduate teaching assistants of the Department continue to be housed in three separate buildings (1801 Roma, 1805 Roma, and 613 Buena Vista NE). Office spaces for faculty in 1805 Roma (second floor) continue to violate regulations concerning the handicapped (the only access to the second floor is by staircase), and health regulations (the previous men's room is used by both men and women). The roof of 1801 Roma leaks during heavy rain and the leakage has damaged and impeded work undertaken by the secretarial staff. 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. The video tape recording and playback equipment in the Department will become available for increased use in teaching and research but much of it requires repairs or updating. Departmental plans to occupy space currently held by the Department of Communicative Disorders (608 Buena Vista) have not materialized as expected. As the faculty of the Department stabilizes and increases its involvement in research the need for adequate office space 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. Funded Research.

The Department plans to continue its active search for outside funds that will support research. Currently the work of some faculty is being supported by individual or combined grants from the National
Science Foundation, the Department of Labor, the Department of Energy and the former Department of Health, Education and Welfare. Additional negotiations with each of these agencies and with the National Institutes of Health are being conducted in the interest of expanding the Department's involvement in sponsored research. Individual faculty members have established liaison with several private firms which may, in their turn, provide support for research (e.g., Mountain Bell, McGraw-Hill Books, Rockwell International).

3. University Forensics Program.

The Department is cooperating with the executives of ASUNM in the development of supplementary fiscal support for competitive and non-competitive aspects of the forensics program at UNM. 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

K. Frandsen, Chairman
E. Kaminski, Asst. Prof. (Organizational Communication)
J. Schuetz, Asst. Prof. (Rhetoric)
B. Spiker, Asst. Prof. (Organizational Communication) and Director of Forensics.

Faculty continuing for the 1979-80 academic year were

J. Civikly, R. Jensen, T. Plax, L. Rosenfeld, R. Schrag, and E. Zannes.

2. Graduate/Teaching Assistants

Lawrance Bernabo
Kyle Hardy
Mary-Ann Leon
Christina Reynolds
John Reynolds
Tanis Rickmers

3. Staff

No new staff appointments were made. Continuing staff were:

Barry Kirk, Electronic Technician I
May Polivka, Department Secretary
Margaret R. Poor, Staff Secretary.

4. Work-Study Students

Dora Gonzales, Clerk-Typist, Academic year
Louis Telles, Equipment Checkout, Semester II
Leslie Whited, Keypunch Operator, Semester I
D. Separations from Staff

Faculty


II. Faculty Accomplishments: January 1, 1979 - December 31, 1979

1. Advanced Study

Barry K. Spiker. Requirements completed for Ph.D., Ohio University.

2. Sabbaticals, leaves of absence, summer teaching elsewhere

Kenneth D. Frandsen. Visiting Professor, Ohio University, Spring Quarter 1979.


3. New scholastic honors, fellowships, etc.


4. Publications

Jean M. Civikly

Kenneth D. Frandsen


4. Publications

Kenneth D. Frandsen (cont'd)

Richard J. Jensen

Timothy G. Plax

Lawrence B. Rosenfeld
"Anatomical and Psychological Sex Differences" (with Jean Civikly and Jane Herron) and "Research Bibliography" in Self-Disclosure, ed. Gordon Chelune (San Francisco: Jossey-Bass, 1979), pp. 80-109, and 261-376, respectively.

Robert L. Schrag

Estelle Zannes

5. Other Research Projects or Creative Work in Progress or Completed

Jean M. Civikly
5. Other Research Projects or Creative Work in Progress or Completed

Kenneth D. Frandsen

Chapters in Handbook of Rhetoric and Communication, Allyn and Bacon, forthcoming.


Edmund P. Kaminski

"...And nothing but the truth": How well can observers detect deceptive testimony? In B. D. Sales (Ed.), Perspectives in law and psychology, Volume II: The jury, judicial and trial process. New York: Plenum (in press). (with G. R. Miller, J. E. Bauchner, J. E. Hocking, and D. R. Brandt.


Timothy G. Plax

Proposals written: "A Proposal to Test a Structural Theory of the Relationship Between Attitudes and Behavior." Being negotiated with the National Science Foundation.

"Public Conceptions of the Dangerousness Among the Mentally Ill: Mediated vs. Empirical Reality." Under consideration by the National Institutes.

Work in Progress:
"Communication, Attitudes and Behavior: An Axiomatic Theory with Implications for Persuasion Research."
"A Trace Theory of Human Communication."
"Media Traditions in the Portrayal of Criminal Insanity."
"A Meaning Theory of Mass Communication Effects."
"Counterattitudinal Communication and Getting Along Interpersonally." Toward a Self-Persuasion Theory of Social Coaptation."
"Leader Orientation and Verbal Message Behavior as Determinants of Student Satisfaction."
"The Effects of Anxiety Arousing Messages and Receiver Assertiveness on Communicative Predispositions."

Lawrence B. Rosenfeld


Janice E. Schuetz

Writing (co-authoring) textbook on Public Speaking
Writing article on Rhetorical Criticism and Hermeneutics
Writing article on Rationality and Revolution

Estelle Zannes

6. Activities in Learned and Professional Societies

Jean M. Civikly

Kenneth D. Frandsen
Attended Speech Communication Association convention, San Antonio, November 1979; presented paper; elected to nominating committee of college and university section.
Associate Editor, Communication Quarterly.
Referee, Human Communication Research.

Richard J. Jensen
Professional Offices held:
President, New Mexico Communication Association.
Editor, NewMexiCom (New Mexico Communication Journal)
Vice-Chair, Rhetoric and Public Address Interest Group, Western Speech Communication Association.
Member, Membership Committee, Western Speech Communication Association.
Associate Editor, Western Journal of Speech Communication.

Edmund P. Kaminski

Timothy G. Plax

-16-
6. Activities in Learned and Professional Societies

Timothy G. Plax (cont'd)
Chairman, Behavioral Science Interest Group, Western Speech Communication Association.

Lawrence B. Rosenfeld
Editor, Western Journal of Speech Communication.
Member of various committees and boards for several organizations.

Janice E. Schuetz
Appointed to National Committee on Accountability in Governmental Communication, Speech Communication Association.
Referee, Western Speech Communication Journal and Quarterly Journal of Speech.
Attended Western Speech Communication Association convention, Los Angeles, February 1979; chaired two convention programs, presented three papers.

Barry K. Spiker

Estelle Zannes
Member of executive committee for Electronic Crime-Countermeasures Conference and planning committee for international conference in Berlin, 1980.

7. Other Professional Activities

Jean M. Civikly
"Barriers to Communicating Effectively with the Public," New Mexico Cosmetology Seminar, August 1979.

Kenneth D. Frandsen

Richard J. Jensen
Judge, Tierra Del Sol Toastmistress Club Speech Contest, March 7, 1979.
7. Other Professional Activities

Lawrence B. Rosenfeld
Consultant for Lovelace-Bataan Medical Center.

Janice E. Schuetz
Consultant for Albuquerque Aging Coalition and State 
Aging Coalition.

Barry K. Spiker
Consultant to National Secretaries Association.
Consultant to Lovelace-Bataan Hospital Primary Management 
Training.

Estelle Zannes
Executive producer for 26 shows Albuquerque Now, aired 
on KNME-TV.
Consultant for City of Albuquerque on Communication problems, 
Public Information Office and Cable TV.

8. Non-teaching University Service

Jean M. Civikly
Associate Faculty, Linguistics Department. 
Library Liaison, Speech Communication Department.

Kenneth D. Frandsen
Chairman, Department of Speech Communication 
Member, University TV/Film Council

Richard J. Jensen
Member, University of New Mexico Press Committee. 
Member, Arts and Sciences Graduate Committee. 
Faculty Advisor, Speech Communication Graduate Assn. 
Participant, Recruitment Calling Campaign for Office of 
School Relations. 
Participant, UNM Ambassador Program.

Timothy G. Plax
Member, University Research Policy Committee. 
Chairperson, Arts & Sciences Human Subjects Committee. 
Member, Arts & Sciences Social Sciences Promotion 
Committee, 
Member, John Poarc's Doctoral Dissertation Committee, 
Department of Special Education. 
Chairperson, Graduate Committee, Department of Speech 

Lawrence B. Rosenfeld
Member, Arts & Sciences Promotion Committee, 1979-1980.

Barry K. Spiker
Director of Forensics.
9. Public Service

   Richard J. Jensen
   Lector and Minister of Cup, Aquinas Newman Center

   Timothy G. Plax
   Lecture to Albuquerque Junior League, Spring 1979.
   Lecture to Albuquerque P.E.O., Fall 1979

   Lawrence B. Rosenfeld
   Writing column for New Mexico Business Journal.

   Janice E. Schuetz
   Workshops for Campus Spurs, 1979.
   Workshops for Church groups, 1979.

   Barry K. Spiker
   Advisor to Albuquerque High School Forensics (coaching/
   workshops).

   Estelle Zannes
   Member, Mayor's Advisory Group on Women in Government.
   Video-taped church choirs for Greek Orthodox Church.
   Assisted Council of Churches in Cable-TV access.

10. Personal Information

   Kenneth D. Frandsen

   Married Sonja Bokoch, November 24, 1979.
UNIVERSITY OF NEW MEXICO FORENSICS PROGRAM

ANNUAL REPORT

1979-1980

Submitted by

Barry K. Spiker, Director of Forensics
Department of Speech Communication
Introduction

The forensics program at the University of New Mexico underwent major changes in the 1979-80 academic year. These changes involved personnel, policies and procedures, and budget size, as well as the program's philosophy and goals. Though these changes were substantial in their impact upon the program, the UNM forensics team had a very successful year in both competitive and non-competitive activities.

Philosophy of UNM Forensics

The general objectives of the forensics program are to provide forensics awareness and forensics education to the general university community and to the larger community of Albuquerque. To that end, we have sought a broad-based level of participation from our students in a balance of competitive and non-competitive forensics activities. In short, we have attempted to promote the cultivation of good-will and support for the academic department, the University and the state of New Mexico. We have attempted to introduce our students to a full range of activities that offer the opportunity for learning practical skills, criticism, research, and public service. This report will demonstrate that the forensics program has attained much of its goals for the university and for its program participants.

Participation and Awards in Competitive Forensics

Over 30 students participated in some capacity in forensics this year at the University of New Mexico. These students were primarily involved in travel and competition at various colleges and universities around the state of New Mexico. With demonstrated help from the Dean of the College of Arts and Sciences, UNM was able to compete at 16 tournaments this past year.
Without the Dean's support, UNM would have been able to compete at 10 tournaments. The tournaments UNM attended in 1979-80 and the various awards and distinctions the students brought to the university were:

1979-1980 Tournament Results

University of Arizona
Travelers: 4 students, 1 coach
Awards: Excellent/Debate - Robert Hampton and Jon King

Texas Tech University
Travelers: 7 students, 1 coach
Awards: 1st Oratory - Bruce Donisthorpe
4th Extemp - Rose Barrett

Colorado College
Travelers: 11 students, 2 coaches
Awards: 2nd Extemp - Bruce Donisthorpe
2nd Informative - Anne Thomas
Octa's Jr. Debate - Denise Maes and Murle Riley

U.S. Air Force Academy
Travelers: 9 students, 2 coaches
Awards: 4th overall school sweepstakes
1st Oratory - Dan Ramczyk
1st Informative - Anne Thomas
3rd Extemp - Dan Ramczyk
4th Extemp - Leslie Whited
Semi's Extemp - Bruce Donisthorpe
Semi's Prose - Anne Thomas
9th Speaker NDT debate - Dan Ramczyk
1/4's NDT debate - Leslie Whited and Dan Ramczyk

University of Southern California
Travelers: 4 students
Awards: 4th Oratory - Bruce Donisthorpe
5th Extemp - Dan Ramczyk
U.C.L.A.

Travelers: 4 students

Awards: 2nd Radio Speaking - Bruce Donisthorpe
3rd Communication Analysis - Leslie Whited
3rd Impromptu - Robert Hampton
4th Extemp - Leslie Whited

El Paso Community College

Travelers: 4 students, 1 coach

Awards: 1st Expository - Camille Bammes
4th Expository - Murle Riley
1st Impromptu - Camille Bammes

University of Texas - El Paso

Travelers: 6 students, 1 coach

Awards: 1st NDT debate - Denise Maes and Bruce Donisthorpe
3rd NDT debate - Jon King and Robert Hampton
2nd Speaker NDT debate - Robert Hampton
4th Speaker NDT debate - Jon King
4th Oratory - Bruce Donisthorpe
Semi's Oratory - Camille Bammes
4th ADS - Camille Bammes

University of Delaware

Travelers: 1 student

Awards: None

University of Utah

Travelers: 1 student

Awards: 4th After Dinner Speaking - Camille Bammes
4th Poetry Interpretation - Camille Bammes
2nd Expository Speaking - Camille Bammes

University of Southern Colorado

Travelers: 10 students, 2 coaches

Awards: 3rd Poetry Interpretation - Camille Bammes
5th Extemp - Bruce Donisthorpe
5th Oratory - Bruce Donisthorpe
5th Communication Analysis - Anne Thomas
2nd Expository - Camille Bammes
4th Expository - Anne Thomas
University of Arizona

Travelers: 9 students, 2 coaches

Awards:  
Semi's Dramatic Interp. - Rose Barrett  
Semi's Impromptu - Bruce Donisthorpe  
Semi's Oratory - Bruce Donisthorpe  
6th Expository - Anne Thomas  
4th Poetry - Camille Bammes  
3rd Expository - Camille Bammes

DSR-TKA National Conference - University of Denver

Travelers: 4 students, 1 judge

Awards:  
5th Individual Events School Sweepstakes  
8th Persuasion - Bruce Donisthorpe  
6th Persuasion - Camille Bammes  
6th Extemp - Bruce Donisthorpe  
4th Impromptu - Camille Bammes  
3rd After-Dinner - Camille Bammes

District IX N.I.E.T. Qualifier - U.S.A.F. Academy, Colorado

Travelers: 7 students, 2 coaches

Awards:  
Semi's - Dramatic Interp - Rose Barrett  
Extemp - Robert Hampton  
Prose - Anne Thomas  
Communication Analysis - Anne Thomas  
Communication Analysis - Leslie Whited  
Oratory - Camille Bammes  
Impromptu - Leslie Whited

2nd School Sweepstakes  
6th Impromptu - Bruce Donisthorpe  
*6th Prose - Camille Bammes  
6th Extemp - Dan Ramczyk  
5th A.D.S. - Camille Bammes  
*5th Extemp - Bruce Donisthorpe  
*5th Poetry - Camille Bammes  
*4th Dramatic Duo - Dan Ramczyk and Anne Thomas  
6th Expository - Anne Thomas  
*3rd A.D.S. - Anne Thomas  
*3rd Communication Analysis - Dan Ramczyk  
*2nd Oratory - Dan Ramczyk  
*2nd Impromptu - Camille Bammes

*Denotes National Tournament Qualifier
National Individual Events Tournament - U.S.A.F. Academy, Colorado

Travelers: 4 students, 2 coaches
Awards: 12th School Sweepstakes
Quarter Finalists After Dinner Speaking - Anne Thomas
Oratory - Dan Ramczyk
5th Informative - Camille Bammes
1st Impromptu - Camille Bammes
11th Individual Sweepstakes - Camille Bammes

107th Interstate Oratorical Championships - Denver, Colorado

Travelers: 1 student, 1 coach
Awards: 3rd place - Dan Ramczyk, State of New Mexico's representative

UNM also finished fifth nationally at the Delta Sigma Rho-Tau Kappa Alpha National Conference, with one of the smallest squads represented at the tournament.

The finest achievement for UNM was perhaps at the District Individual Events Tournament (N.I.E.T.) where UNM placed second to a much larger Air Force Team in overall sweepstakes. Other schools represented were from Utah, Wyoming, Colorado, Arizona, Eastern Montana and Western Texas.

Finally, UNM finished higher than ever before in its history of forensics by placing 12th in the nation at the National Individual Events Tournament. This was the crowning achievement of a most successful competitive forensics program.

Non-Competitive Forensics

University forensic programs should take an active role in providing services to the academic and non-academic communities. UNM began an aggressive program this past year of non-competitive involvement in the Albuquerque and university community.
In Albuquerque high schools, the UNM forensic squad members "logged" over 800 person/hours in assisting six local high school forensic programs. In addition, two workshops were held for high school individual eventers and Lincoln-Douglas debaters. On over 12 occasions, UNM provided judges for local and state-wide high school tournaments in addition to hosting the New Mexico High School Debate Qualifier. Finally, a high school forensics workshop will be taking place on UNM's campus this July. Over 800 invitations have been mailed to high schools throughout the West and Midwest.

In the Albuquerque community, UNM has provided judges for the Toastmasters, Optimists, and Roy Scouts oratory contests. Five such contests were held this past year, with UNM personnel taking part in administrating and judging each event.

On UNM's campus, the forensics team provided great speakers/debaters for a number of college classes. In addition, the forensics team worked with the UNM Department of School Relations in three separate recruitment programs: "Call-in Campaign," "Sneak Preview," and "Discover UNM Day" for high school students. UNM also participated in the National Discussion Contest and provided high school students with examples of an appropriate discussion.

Finally, UNM hosted one of the largest college forensics tournaments in its recent history. Nearly 25 colleges and universities sent over 350 students to UNM's campus for three days of competition. A large majority of these students who attended the Wayne C. Eubank Invitational had expressed that the tournament was the finest they had ever attended. Certainly, the over 100 awards offered at the tournament was the largest number presented at any one tournament in the West.
As a close to the non-competitive program, it is important to note the progressional involvement of the directors of UNM's forensic team. Both Dr. Barry Spiker and Mr. John Reynolds have been elected to regional and national forensics offices. A new scholarship policy has been adopted and a statement of goals for UNM forensics has been prepared. Spiker has attended two national conventions and participated in panel discussions on forensics. It is fitting that a well-rounded forensics program include the continuing education of the personnel managing such a program.

Future Programs in Forensics at UNM

This section of the report will focus on the growth of programs that we offer presently and on the addition of several new programs. We hope that UNM will become "partners" with the Youth Development, Inc. in Albuquerque. This non-profit service program is working presently with the culturally disadvantaged in the south and north valleys of Albuquerque. We hope to provide counsel and assistance in training YDI's counselors in public speaking, research and interviewing skills--skills that can be offered to youth in the north and south valleys. A meeting with the YDI Board has been scheduled for this summer.

The development of a Forensic Alumni Association is another activity that will begin this Summer. We are gathering the names of past UNM forensics student participants from various sources including associations, old trophies and journals. We hope that this alumni association can become involved in future activities and in generating financial or scholarship assistance for current UNM forensics students. A newsletter will be sent to participating alumni to keep them abreast of what is happening in the current program.
"Forensic Week" would be a new event next year. This event would include a week-long celebration of forensics on UNM's campus. Guest speakers, special programs, symposia and a workshop would be scheduled for high school coaches and students. The week would conclude with a banquet and awards ceremony sponsored by the Speech Communication Department.

Finally, more frequent participation of our students in "Public Audience Debates" and in the "Individual Events Showcase" would be anticipated. The subject matter of these events would be current issues and themes of interest to the UNM campus and to the community of Albuquerque.

Conclusion

The future of UNM forensics will depend on the amount of support that is generated by the students involved, by the department, and by the entire University community. In 1979-80, UNM had one of its most successful years in forensics. The achievements of students representing UNM equaled or exceeded those of students representing institutions where the level of budgetary support is substantially higher than it is at UNM. However, the current level of support is inadequate. Our current level of funding means that, with increased costs and inflation, UNM forensics will suffer a reduction of approximately 18% below the 1979-1980 initial level of support. When the supplementary allocations from the College of Arts and Sciences during 1979-80 are included in the calculation of this year's level of support, this decrease for the 1980-81 year is even greater. Presently we are seeking financial support from the UNM student government. If we do not receive additional financial support, we can expect to limit travel to approximately 35 to 40 percent fewer tournaments.
This decrease in activity will reduce the quality of the non-competitive program because students need to compete to gain the experience necessary for non-competitive activities. Presently, we do not offer a curriculum in Speech Communication that would provide the sort of experience that is necessary. Of course, this is only one of many reasons why our students should travel to tournaments offered on other campuses. In an effort to reduce our per person travel and tournament costs, we have limited the daily meal allowance to $2-$3 per day per student, placed four and five students to a room in budget motels, traded-off entry fees with schools attending our own tournament, mandated competitors to compete in several tournament events, and required our coaches/judges to accept judging overloads at each tournament attended to reduce the net cost of our entry. All of these measures tax personal resources and drain energy to a point where our students and coaches may not be performing as well as they could. One solution to this problem would be to have a very limited squad size or a "star" program. This solution would necessitate changing our educational goal of allowing many students the chance to compete in forensics to allowing only a select few. However, this is an inappropriate solution because a program cannot develop or mature unless novice competitors attend tournaments early in their college lives. This solution would create a subtle form of prejudice against aspects of the noncompetitive program (e.g., assistance to local high schools) because some high schools (with less financial support from school boards) do not offer forensics as a part of their curricula and must depend on voluntary assistance from UNM representatives. Without experienced volunteer assistants, the quality of these high school programs would be lower and our service to the community would be
less effective. The advantages of participating in forensics can be cogently documented, if a balance between competitive and non-competitive programs can be achieved. One aspect of the program feeds and supports the other, and UNM is special in that we offer this "balanced" philosophy. The decision to support forensics at UNM and the determination of how that support is generated should be reviewed by the faculty in Speech Communication and the participants as soon as possible.

At an institution of higher education, forensics is one of the only activities whereby the institution is represented by students in an academic or co-curricular fashion. Because of the academic character of forensics activities, because of the community service it provides, and because of the current strength of forensics at this institution, the entire university community should fund or support this program in a manner commensurate with the manner in which other state institutions support similar programs. Forensics at UNM is a visible, successful, low cost/per student activity that needs increased financial support in order to achieve its long-range goals.

Finally, the UNM forensics program should be regarded as a university activity because participants reflect all disciplines and not merely Speech Communication. When the forensic team is out of the UNM environment, it represents the University of New Mexico and not a special department or college.

As a postscript to this report, I directly want to thank the Speech Communication Department, its chairperson, faculty and secretaries for all of the support, physical and moral, that they have given to the program. A major "thank you" also goes to John Reynolds, my assistant, and his spouse, Christina, for labors of love that surpassed any amount of
remuneration. To a number of graduate students in the Speech Communication Department, to the UNM Forensic Union, to Dean Wollman, and to all the students who participated, thank you. It really has been a successful year because of your efforts.