

6-30-1987

Annual Report of the University, 1986-1987, Volumes 1-5

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ANNUAL REPORTS
1986-87

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1986-87 UNIVERSITY OF NEW MEXICO

MEN'S ATHLETICS

ANNUAL REPORT

Prepared by the UNM Men's
Sports Information Office
Greg Remington, Director
Ross Haefer, Assistant
Scott Jones, Student Assistant

August 10, 1987

1986-87 UNIVERSITY OF NEW MEXICO SPORTS RECAP

The 1986-87 athletic season at the University of New Mexico was one for the record books. The Lobos, both men and women, enjoyed one of their most productive seasons since intercollegiate sports began nearly 95 years ago. UNM produced 18 All-Americans in six different sports and a load of all-league performers from both the Western Athletic Conference (men) and High Country Athletic Conference (women). In addition, four teams represented the University of New Mexico at NCAA championship events.

The combined men's and women's ski team produced the school's best finish with a fifth place showing nationally. Skiing was responsible for eight of the 18 All-Americans. The men's gymnastics team finished sixth at NCAA. It was the second consecutive appearance and eighth overall for Rusty Mitchell's male gymnasts. Both golf teams advanced to the national tournaments. The women, playing on their home course at University South, took seventh, while the men placed 28th.

Individual NCAA champions from New Mexico were gymnast Chad Fox and golfer Caroline Keggi. Fox, just a sophomore, successfully defended his vaulting title and add the floor exercise, giving him three national title in two years. Keggi took top honors for women's golf edging Anne Jones from San Jose State on the first extra hole of a sudden death playoff.

Other Lobo All-Americans included gymnasts Tom Novak (3rd on pommel horse), Scott Burr (3rd in rings), and Lisa Pank (6th on balance beam, 8th in all-around), swimmer Duncan Cruickshank (3rd in 1,650 freestyle) and distance runner Bill Mangan (9th in 5,000 meters) and Carole Roybal (18th in cross country).

Many more Lobo teams had individual performers representing the school at national championship events. Men's tennis sent five, men's track four and wrestling three. The top finish was by Chris Warner who placed 10th in the decathlon at the NCAA Outdoor Track Championships.

For the Lobo men, their composite average in Western Athletic Conference championship events was a 3.36. This means UNM finished just a little lower than third, on the average, in the 11 championship events sponsored by the WAC. The Lobos finished second to Brigham Young in the unofficial overall rankings for the fourth consecutive year. Just seven

years ago, the Lobos were last. Outside of football, which placed seventh, no men's team finished lower than fourth. UNM won gymnastics, placed second in outdoor track and golf, third in indoor track, basketball and tennis, and fourth in cross country, swimming, wrestling and baseball.

Men's basketball was 25-10, establishing a school record for wins in a single season. The Lobos also ventured to their fourth consecutive post season tournament, also a first for UNM hoops. Senior guard Kelvin Scarborough was a first team All-WAC selection and junior forward Hunter Greene scored 740 points, the sixth most productive single season in WAC history.

Lobo football was once again one of the most powerful offensive units in the nation. UNM averaged 439.1 yards a game, fourth nationally and set numerous school records. Wide receiver Terance Mathis was the only sophomore on the All-WAC team, caught a school-record 10 TD passes, and finished seventh in the nation with 955 yards receiving.

The Lobo baseball team advanced to the WAC Tournament at BYU for the third straight season. Pole vaulter Simon Arkell set new indoor and outdoor marks in his event and qualified for both the NCAA indoor and outdoor championships. The men's soccer team, in just its fourth season, posted a respectable 12-6-1 record.

The athletic department suffered, what appeared to be, a blow when four sports were dropped from the intercollegiate program last February. Baseball, women's basketball, women's swimming and wrestling were eliminated as a cost-saving measure in the big business world of collegiate athletics. However, a group named Save Our Sports, rallied behind the dropped programs and raised enough money to fund them for at least another year. Only women's basketball will not return.

The end of the 1986-87 athletic season also marked the end of the career of athletic director John Bridgers. Bridgers, who spent the past seven years at UNM and over 40 years in athletics, announced his retirement effective June 30. Bridgers was directly responsible for the Lobos' ascension in the Western Athletic Conference from ninth in 1980-81 to its second place finish the past four years. With Bridgers leaving, Dr. John E. Koenig became UNM's eighth director of athletics.

ALL SPORTS RECAP -- 1986-87 SEASON

<u>Sport</u>	<u>Head Coach (Years at UNM)</u>	<u>Record</u>
Baseball	Vince Cappelli (11)	29-29 overall, 13-8 WAC (2nd East)
Basketball	Gary Colson (7)	25-10 overall, 11-5 WAC (T3rd) NIT participant
Cross Country	Del Hessel (7)	4th at WAC
Football	Joe Lee Dunn (4)	4-8 overall, 2-5 WAC (7th)
Golf	Dwaine Knight (10)	2nd at WAC, 28th at NCAA
Gymnastics	Rusty Mitchell (21)	1st at WAC, 6th at NCAA
Indoor Track	Del Hessel (7)	3rd at WAC
Outdoor Track	Del Hessel (7)	2nd at WAC
Soccer	Klaus Weber (1)	12-6-1 overall 5-2 RMISL (3rd)
Swimming	Bill Spahn (6)	4th at WAC
Tennis	David Geatz (5)	3rd at WAC, 23-11 duals
Wrestling	Bill Dotson (9)	4th at WAC

1986-87 INDIVIDUAL HONORS

<u>Sport</u>	<u>Athlete/Coach</u>	<u>Honor</u>
Baseball	Steve McKee, OF	All-WAC 2nd team
Basketball	Kelvin Scarborough, G	All-WAC 1st team All-District 7 first team
	Hunter Greene, F	All-WAC 2nd team All-WAC Tournament team
	Rob Loeffel, C	All-WAC Tournament team
Football	Terance Mathis, WR	All-WAC 1st team
	Ron Keller, P	All-WAC 2nd team
Golf	John Kienle	All-WAC 2nd team
	Sean Murphy	All-WAC 2nd team

<u>Sport</u>	<u>Athlete/Coach</u>	<u>Honor</u>
Gymnastics	Scott Burr	3rd at NCAA ((rings) 1st at WAC (all-around, floor, pommel horse rings, parallel bars, high bar)
	Chad Fox	NCAA Champion (floor exercise and vault) 1st at WAC (vault)
	Neil Merrion	WAC Athlete of the Year (academics and athletic)
	Tom Novak	3rd at NCAA (pommel horse)
	Rusty Mitchell	WAC Coach of the Year
Indoor Track	Simon Arkell	WAC champion (pole vault), NCAA qualifier
	Darren Crawford	WAC champion (shot put)
	Charlie Clark	WAC champion (mile relay)
	Chris Warner	
	John Hayden	
James Hilliard		
Outdoor Track	Simon Arkell	NCAA qualifier
	Darren Crawford	WAC champion (shot put)
	Bill Mangan	All-American (9th in NCAA 5,000 meters)
	Gabriel Okon	WAC champion (100 and 200 meters) NCAA qualifier
	Chris Warner	10th at NCAA decathlon
Soccer	David Robertson	RMISL first team midfielder/sweeper Adidas Scholar Athlete Team
	Bruce Boeke	RMISL first team midfielder/sweeper
Swimming	Duncan Cruickshank	All-American (3rd in NCAA 1,650 freestyle) WAC champion (1,650 freestyle)
Tennis	Steve Bickham	All-WAC first team, Singles champion WAC Player of the Year, NCAA qualifier
	Jack Griffin	All-WAC first team, NCAA qualifier
	Rafer Leach	WAC Newcomer of the Year
	Steve Bickham	WAC Doubles champion, NCAA qualifier
	Alan Dils	
	Rafer Leach	NCAA doubles qualifier
Wrestling	Jesus Rojo	
	Bruce Garner (126)	NCAA qualifier
	Chris Luttrell (134)	WAC champion, NCAA qualifier
	TeDon Fleischman (142)	NCAA qualifier

1986-87 UNM BASEBALL REPORT

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefer - Assistant

UNM finished the 1987 season with a 29-29 overall record, 13-8 in the WAC Eastern Division, good enough for second place behind Brigham Young. UNM ended its season at the WAC Playoffs in Provo, Utah, dropping the first two games of the double elimination tournament. The Lobos lost to Hawaii, 6-3, in the first round and BYU, 22-8, Hawaii defeated BYU in the final game earning the WAC's automatic berth to the NCAA Tournament.

Vince Cappelli, UNM's head coach completed his 11th season with a 351-282-5 record, making Cappelli the winningest coach in the school's history.

On February 17, 1987, coach Cappelli learned that UNM baseball was designated as one of four sports to be cut from the athletic budget at UNM as part of a cost-cutting measure that would save the school nearly \$480,000 in the 1987-88 year. On March 20, 1987, it was announced that Lobo baseball would be saved for another year, thanks to funds pledged through the efforts of Save Our Sports (S.O.S.), a group of citizens who pledged adequate funds to continue baseball on a year-to-year basis.

1987 team records included most walks (321) by batters and most strikeouts (348), also by hitters. Individually, Chad Kuhn tallied the dubious distinction of fanning 56 times, a new record. Fitcher Joe Coleman appeared in 32 games, breaking the old mark set by Bill Irwin (27) in 1971. Coleman has appeared in 57 games in his career, tying him for third-place all-time. Joe also ranks second all-time with a winning percentage of .688 (11-5).

Pitchers Ken Yonker and Steve Paar both started 16 games, second-best for a single season. Yonker walked 67 batters this season, the most allowed at UNM in a single season. Lobo Steve McKee finished his career with a .646 slugging percentage, second-best all-time and a .365 batting average, eighth best. Shortstop Nate Johnsen led the team in batting with a .359 average in 55 games. Steve McKee and Chad Kuhn tied for the home run lead with seven each. Kuhn and Johnsen tied for the RBI lead with 46 apiece.

Outfielder Steve McKee and pitcher Joe Coleman were named to the all-Eastern Division Western Athletic Conference team.

The Lobos made their third consecutive appearance at the WAC Playoffs in 1987. The '87 season was also the 70th season of Lobo baseball. Of the 21 players that made the trip to the '87 WAC Playoffs, UNM will return 16 for next year's season. The Lobos will also return six of the top eight pitchers. UNM loses center fielder Steve McKee, leftfielder Tracy Young, infielder Ed Matloz, pitchers Jim Gendjar and Ken Yonker.

1986-87 UNM BASKETBALL REPORT

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefer - Assistant

The Lobo men's basketball team completed the 84th season of UNM basketball with a 25-10 ledger, setting a school record for single-season victories, superseding the 24-4 season in 1977-78 and the 24-11 season in 1983-84.

UNM finished the season tied for third place with Wyoming, posting identical 11-5 WAC records. Through 25 years of WAC basketball, UNM's record now stands at 175-159. UNM has tallied a 123-44 record in the University Arena, 52-115 on the road.

The 1986-87 Lobo team narrowly missed a possible NCAA Tournament berth, losing to Wyoming in the 4th Annual Western Athletic Conference Tournament held in Albuquerque. The Cowboys nipped the Lobos in the finals, 64-62, to win the WAC Tournament. In other WAC Tournament play, UNM topped Colorado State and Brigham Young to advance to the finals. UNM stands 6-4 in WAC Tournament action, 4-1 at home, 1-2 in El Paso and 1-1 in Laramie. UNM and UTEP are the only two conference schools to advance to the semifinals of the post-season tournament all four years. UNM is 276-69 in the "Pit" since the doors opened in December, 1966, for a winning percentage of 80 percent. The Lobos are 166-29 against non-conference opponents (85.1 percent) and 110-40 versus WAC opponents (73.3 percent) in the University Arena.

Head coach Gary Colson finished his 28th season of collegiate coaching with a 466-297 overall record. In seven years at UNM, Colson is 124-92, the third winningest coach in Lobo history behind Bob King, 175 wins, and Norm Ellenberger, 134 wins. Colson entered the 1986-87 season as the nation's 12th winningest active coach.

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UNM advanced to post-season play for the fourth consecutive season, hosting the opening round of the National Invitation Tournament, losing to Oregon State, 85-82, on a last-second shot by Beaver guard Eric Knox. It was UNM's ninth appearance in the NIT with the Lobos now clinging to a 4-9 record in the nation's oldest collegiate basketball tournament.

The Lobos opened the season with many unproven players, thin in bench strength (becoming thinner with the midseason loss of Brian Parker), in the midst of a strong conference. UNM's senior trio of Kelly Graves, Kelvin Scarborough and Mike Winters emerged as floor leaders along with junior Hunter Greene and sophomore center Rob Loeffel, rounding-out the UNM starters. Greene emerged as the WAC's leading scorer, averaging 21.1 points per game. Hunter scored 740 points on the year and posted a WAC record for steals with 84. His 740 points equates to the second best in UNM history and sixth best in WAC annals. Loeffel averaged 9.7 points and 5.5 rebounds per game, starting all but four games. Loeffel scored in double figures 17 times, more important, he hit double digits in 14 of the last 16 games of the season, including 62 points in the WAC Tournament, earning all-Tournament honors.

The three senior co-captains, Graves, Scarborough and Winters combined for 45 percent of UNM's scoring in the 1986-87 season. Guard Kelly Graves started 33 games, averaged 10.2 points from the floor while filling the role of three-point expert, hitting 70-of-163 from the 19-9 line. Kelly scored 100 points in the last 11 games. In addition, Graves was the designated "chaser" in UNM's often-used box-and-one defense. He had a career-high 21 points against Air Force, including six three-pointers. Scarborough capped his UNM career with his best season in a Lobo uniform. He ignited fast breaks, created turnovers and electrified the crowd with slam dunks. The All-WAC

guard averaged 18.9 points and 4.1 rebounds per game. Scarborough leaves UNM as the school's 4th all-time leading scorer with 1,447 points, second leading all-time assist man with 574, including 212 in '86-87, and all-time WAC steal leader with 235, including 78 thefts in '86-87. Scar scored 660 points in 3,947 minutes of play and tallied 200-of-257 free throws for a UNM single-season record from the charity stripe. Needless to say, the 6-1, 175-pound assist man, scorer, floor leader and ball thief will be missed in the Lobo lineup. Mike Winters finished his UNM career having never missed a Lobo game since his arrival in 1983. The tenacious forward played in 132 games, started 96, second-best all-time at UNM. Mike averaged eight points and 6.1 rebounds per game in '86-87. He departs as UNM's 11th all-time career rebounder, 548, fourth in career assists, 344, and second in minutes played, 3,906. Winters provided great defense, court sense, leadership and academic prowess in his four years at UNM.

1986 UNM FOOTBALL REPORT

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefer - Assistant

UNM completed its 88th season of football with a 4-8 record, 2-5 in Western Athletic Conference play, finishing in 7th place. Through 88 seasons, the Lobos are now 343-356-31.

Head coach Joe Lee Dunn completed his fourth season at UNM and vacates his post with a 17-30 overall mark as a collegiate head coach. Dunn was 10-21 in the WAC, 7-9 non-conference, 11-10 at home and 6-20 on the road. Dunn leaves UNM to assume the duties as defensive coordinator at the University of South Carolina under the auspices of head coach Joe Morrison.

The Lobos set five single-season records in the '86 season in offensive categories and five single-game records as well. Individually, five single-game records were set and two were tied. In addition, two single-season records were established and four career marks were set. The UNM offense averaged 439.1 yards per game, best in the WAC and fourth best in the nation. The Lobos were also tops in the conference in scoring (26.4) and 29th nationally. Defensively, UNM was last in the country in pass defense (291.5) and next to last in total defense (483.9).

In team single-game records, UNM set a new mark for yards passing against San Diego State with 490 yards in the air, breaking the old record of 458 set in 1985 against Wyoming. UNM's 37 first downs against San Diego State topped the old mark of 36 against UTEP in 1971. In that same historic game against San Diego State, UNM tallied a record 23 first downs in the air, breaking the old mark of 18 versus UTEP in 1967 and Arizona in 1975. The Lobos set a single-game record for total offense with 690 yards against SDSU, breaking the old record of 663 versus New Mexico State in 1984.

Also against New Mexico State, UNM threw five touchdown passes, topping the old school record of four TD passes against NMSU in 1948, and again versus Arizona in 1975.

In individual game records UNM quarterbacks had a banner year. Prior to the career-ending neck injury sustained against Hawaii on October 4th, senior quarterback Billy Rucker reestablished three school records in one game against San Diego State. The Gallup native attempted 55 passes, besting the old mark of 53 attempts by Terry Stone in 1967, completing 33, topping the old mark of 28 completions set by Brad Wright in 1978. Rucker also tallied 490 yards passing, superseding the old mark of 458 set by Rucker against Wyoming earlier in the '86 season. Following Rucker's injury which forced him to stop his football career, senior Ned James was converted from a receiver to starting QB. James aptly filled the role, setting a school record for total plays in a single game with 71 (25 rush, 46 pass), breaking the old record of 68 plays set five weeks prior by Billy Rucker against San Diego State. In that same game against Wyoming, James led the Lobos to 524 yards of total offense (118 rush, 406 pass), once again topping Rucker's record of 501 yards of total offense set against San Diego State. James also threw four TD passes against New Mexico State, tying the UNM record set by Steve Myer against Arizona in 1975. UNM wide receiver Terance Mathis was the other Lobo single-game achiever, grabbing three touchdown receptions, tying the school mark set by Lobo Ricky Martin in 1980.

In the department of individual season records, James set a new mark for pass completion percentage, completing 58.1 percent of his throws (125-215), overcoming the old mark of 53.8 percent (190-353) set by Steve Myer in 1975.

Lobo Terance Mathis held 10 touchdown receptions on the season, topping the old record of nine TD receptions by Don Black in 1958.

In the classification of individual career records, Lobo punter Ron Keller graduates with a 42.6 punting average over four seasons (252-10,737 yds.) besting the old UNM mark of 42.4 (131-5,556 yds.) set by Steve Bauer in two seasons at UNM (1973-74).

In other Lobo notes, quarterback Ned James finished first in the WAC and 10th in the nation in passing efficiency with a 141.6 rating. James was sixth in the conference and 23rd in the country in total offense. Senior fullback Kevin Burgess became the fifth back in UNM history to rush for 1,000 yards, (1023 total), finishing fourth in the WAC and 32nd in the nation, averaging 85.3 yards per game. UNM's all-everything receiver Terance Mathis and punter Ron Keller were UNM's two All-WAC selections. Mathis was selected to the first team, finishing third in the WAC and 16th in the nation in receiving with 5.3 catches-per-game. Mathis also placed second in the league in all-purpose yards (122.2) and 25th in the country. Keller, a second-team All-WAC pick, finished second in the WAC with a 43.3 average and 11th in the country.

UNM's high-flying offense provided great thrills while the Lobo's porous defense allowed a whopping 483.9 yards per game. On the season the UNM squad recorded 204 pass completions, surpassing the old Lobo record of 194 completions in 1985. UNM's team pass completion percentage of 57.3 (204-356) tops the old record of 54 percent (191-354) set in 1975. UNM's powerful offense broke three other records set in 1985, tallying 5,269 yards of total offense, 271 first downs and 140 first downs passing.

The Lobos lost 14 seniors from the 1986 team: six on offense, five on defense and three kickers.

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefer - Assistant

The 1986-87 University of New Mexico men's golf team finished the season with a second-place finish at the 25th WAC golf championships. The Lobos recorded a three-round total of 849 while host Brigham Young University established a conference and NCAA record shooting an 830 to take top honors.

UNM qualified as one of 30 teams vying for the national championship at the 90th NCAA Golf Championships held at Ohio State University, June 10-13. UNM's 1987 appearance marked the 30th trip in the past 32 years for the Lobos with UNM's top finish coming in 1973 when the Lobos finished fourth. In '87, UNM finished 28th of 30 teams and failed to make the cut for the final round. It was UNM's eighth appearance in 10 seasons under the leadership of golf coach Dwaine Knight and the second consecutive trip for the same five Lobo linksters who competed at the 1986 NCAA tournament at Wake Forest. Seniors Terry Budzinski, John Kienle and J.B. Sneve joined juniors Sean Murphy and Todd Parks as UNM's representatives for the second year. UNM's top individual finisher was senior John Kienle with a score of 302, tied for 55th place. UNM's hopes were dampened when the Lobos' hottest golfer, junior Sean Murphy, suffered a broken right hand, forcing the Lobos to play with only four golfers.

During the regular season UNM's top finish was first of 14 teams at the Falcon Invitational at the U.S. Air Force Academy in Colorado Springs in the first week of the season with a score of 1121. John Kienle led the Pack with a 221. UNM finished third of 18 teams at the Coca-Cola Classic at New Mexico State University with an 875. Matt Jackson was the top Lobo finisher tied for 11th with a score of 217. UNM struggled some during the heart of the

season but reemerged prior to the WAC tournament to play some of its best golf of the year. Individually, the Lobo's top five golfers posted nearly-identical season averages with Sneve and Murphy posting 74.3 stroke averages followed by Budzinski at 74.7, Kienle at 74.8 and Parks at 75.3.

Coach Dwaine Knight completed his 10th season as Lobo men's golf mentor. Excluding 1983-84, Knight's teams have never finished lower than third in the WAC, winning it all in 1979. The Lobos have finished second to BYU the past three seasons. While at UNM, coach Knight has tutored nine individual All-America performers, 14 All-WAC players and three WAC runnersup.

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefler - Assistant

The UNM men's gymnastics team finished the regular season with a 27-6 overall record, 11-3 in dual-meet competition, posting a team average of 280.17. The Lobos won the WAC Championships for the second year in a row, topping BYU and Air Force with a 281.95 total.

The Lobos were selected as one of 10 teams to vie for the national championship, April 23-25, at UCLA's Pauley Pavilion, marking UNM's eighth NCAA appearance and second consecutive trip. The Lobos placed sixth at the NCAA Championships with a score of 279.65, below their season average of 280.17. Host UCLA won the national championship. UNM entered the contest as the No. 8 seed with a chance at superseding its best finish of fourth in 1969.

The 1987 season marked head coach Rusty Mitchell's 21st season at UNM. The 1964 graduate of Southern Illinois University has led UNM to the NCAA Championships eight times including the '87 trip. Mitchell's teams have captured seven WAC titles and have a dual record of 157-60, for a winning percentage of .724. Mitchell has produced seven NCAA individual champions and 44 All-Americans. Rusty is the Dean of all UNM head coaches and a recent inductee of the United States Gymnastics Hall of Fame.

Individually, sophomore Chad Fox successfully defended his national title in the vault while adding the floor exercise to his list of NCAA individual titles. Fox captured the vault with a 9.70 and the floor with a near-flawless 9.90 effort. Fox was the only double event winner and the first Lobo ever to win two titles in the same year.

Fox entered the NCAAs ranked No.1 in the Midwest in both events with averages of 9.9 in the floor and 9.82 in the vault. Fox is also the first New Mexico gymnast to win three individual titles and the second to win back-to-back titles. Steve Jennings won the pommel horse in 1981-82.

Junior Tom Novak became the third Lobo gymnast to earn All-America status three consecutive years when he posted a third place on the pommel horse with a 9.80 score. Novak finished in a tie for second as a freshman and sixth last year. Novak entered the NCAAs ranked No. 1 with an average of 9.78.

Sophomore Scott Burr tallied a third in the rings with a 9.70, earning his second straight All-America award. Burr improved his sixth-place finish in 1986 and entered the competition ranked No. 3 in the Midwest with an average of 9.71. Burr was UNM's top all-arounder with a 56.22 average. his best overall performance came at the WAC Championships when he hit a 57.10.

The 1986-87 UNM gymnastics team was comprised of one senior, Neil Merrion, three juniors, Stewart Butler, Scott Spath, Tom Novak, and four sophomores, Scott Burr, Chad Fox, George Hery and Mark Schiefelbein.

1986 UNM SOCCER REPORT

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefer - Assistant

The University of New Mexico men's soccer team finished a successful 1986 season tallying a 12-6-1 overall record, 5-2 in Rocky Mountain Inter-collegiate Soccer League play (third place). UNM posted an 8-0 record in home matches, 4-6-1 on the road.

With the sudden death of former Lobo soccer coach Craig Robertson in the off-season, UNM's first-year soccer mentor Klaus Weber faced a plethora of question marks entering the season. Among the questions was the team's capability of meeting a demanding schedule compiled by coach Robertson prior to his death. The Lobos answered the demands of a rigid schedule in stellar fashion, posting victories over talented squads from William & Mary College, University of Nevada-Las Vegas and North Texas State, while dropping a 4-1 decision to defending national champion UCLA, after the Lobos led 1-0 in the first half.

The 1986 Lobo soccer team featured a blend of veteran talent coupled with a host of hard-working freshmen. Lobo seniors Doug Bartocci, Tim Elliot, Merritt Oliver, David Robertson and Tom Smith teamed with freshmen Tom Behm, Troy Bessera and Chris Rodefer to form a well-rounded team. Juniors Bruce Boeke, John Renken and Dana Rogge added strong contributions to UNM's prowess.

In its first season as a funded varsity sport at UNM, the Lobos posted a No. 8 ranking in the NCAA Midwest Soccer Region's final poll, surpassing the Lobo's No. 9 ranking achieved in the 1985 season. After

four complete seasons of organized soccer competition UNM's record stands at 43-18-4. In the past two seasons UNM has posted a 20-11-3 ledger, 12-3-2 at home and 8-8-1 on the road.

At the Lobos' post-season award ceremony junior fullback Bruce Boeke and senior midfielder David Robertson were named co-most valuable players for the '86 season. Both players were named to the all-tournament team at the Metropolitan Life Pacific Classic held in Los Angeles, November 1-2. Boeke led the team in minutes played with 1761 minutes in 19 games, notching eight goals and four assists for a total of 20 points. Boeke's two-season totals now stand at 11 goals and five assists for 27 points. Midfielder David Robertson capped a stellar UNM playing career with 10 goals and four assists for 24 points. Robertson, the catalyst of the Lobo team for the past two seasons, posted a two-season total of 22 goals and 11 assists for 55 points, thereby establishing him as UNM's all-time scoring leader. In 1985, Robertson led UNM with 12 goals and seven assists for 31 points, subsequently voted MVP. Robertson was selected as one of the top 18 collegiate players in the West, participating in the U.S. Olympic Festival in Houston, Texas, an event determining in part, who will represent the United States in the 1988 Olympic Games.

UNM junior forward John Renken was voted the offensive player of the year for the Lobos. Renken registered nine goals and 13 assists for 31 points to lead all UNM scorers. Renken, who will return for his senior season in 1987, holds a two-season total of 11 goals and 14 assists for 36 points, making John UNM's second leading scorer behind David Robertson. Renken played 1,695 minutes in 19 games during the '86 season.

Other soccer award recipients were senior defenseman Doug Bartocci and junior goalkeeper Dana Rogge, named co-defensive players of the year. Bartocci was the zenith of UNM's defense, playing 1,716 minutes in 19 games. Rogge played 1,579 minutes in 19 games. Dana registered 104 saves and two shutouts, allowing 23 goals for a 1.31 goals-against average. In two seasons in the net, Rogge has 149 saves and has allowed only 38 goals against.

Midfielder Troy Bessera was named UNM's most valuable frosh player for the '86 season. The Albuquerque native played 1,612 minutes in 19 games, registering two goals and one assist for five points. Bessera's critical goal against RMISL opponent Metro State with only four minutes left on the clock in overtime gave UNM a crucial 3-2 victory.

The Lobo soccer team had an attendance in excess of 8,000 spectators for their nine home games in the 1986 season.

1986-87 UNM MEN'S SWIMMING REPORT

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefer - Assistant

The 1986-87 Lobo men's swim team finished tied for fourth with Hawaii, tallying 260 points at the 1987 Western Athletic Conference Swimming and Diving Championships held at the University of Utah in Salt Lake City, March 5-7. UNM entered the championships as defending WAC champion but was unable to catch 1987 WAC champion, Utah, who posted 539 cumulative points followed by Wyoming, 330, and Brigham Young, 268.

UNM's only individual winner at the '87 WAC Championships was senior Duncan Cruickshank. The native of Aberdeen, Scotland, capped a stellar UNM swimming career, defeating Utah's Dennis Tesch in the 1,650 with a 15:30.20 clocking. Cruickshank is a four-time WAC champion and WAC record-holder in the 500-meter freestyle (4:26.11) and the 1,650-meter freestyle (15:10.83). Duncan finished second to Utah's Tesch in the 500-meter freestyle. Tesch swam a 4:28.69 followed by Cruickshank with a 4:29.44 clocking. Other UNM individual accomplishments at the WAC Championships include Henrik Leek who finished third in the 400 individual medley (4:06.76), Mark Granovsky, who finished second in the 200 freestyle (1:40.30), Curt Jenkins, who finished second in the 200 butterfly (1:51.60) and the UNM 800 freestyle relay team of Granovsky, Cruickshank, Leek and Jenkins finished second with a 6:43.83 time.

Cruickshank went on to earn his fourth All-America award at the NCAA Division I Swimming and Diving Championships held at the University of Texas, Austin. Duncan posted a personal record, 14:53.91, in the 1,650 freestyle event, finishing third behind Stanford's Jeff Kostoff who won the event in 14:47.75.

Cruikshank's previous best in the 1,650 was 15:09.14, tallied at the 1986 NCAA Championships, good enough for ninth place. Duncan also qualified for the 200 and 500 freestyle events this year, but failed to place in either event at the University of Texas Swimming Center.

UNM sophomore Mikael Holmertz suffered a dislocated knee at the WAC Championships, failing to qualify for his specialities, the 100 freestyle and butterfly, as well as a leg in the 400 and 800 team relays. Holmertz' injury put a damper on the UNM team results in addition to a possible NCAA berth for Mikael .

Head men's and women's swim coach Bill Spahn completed his fifth season as the Lobo swim mentor. Spahn was voted WAC coach of the year following the 1983-84 season and High Country Athletic Conference coach of the year after the UNM women's team finished third in the 1982-83 season.

UNM women's swimming was one of four sports cut from the athletic budget, subsequently reinstated through the funding efforts of Save Our Sports, a private organization comprised of local citizens and businesses pledging funds to rescue UNM's endangered sports on a year-to-year basis.

1986-87 UNM MEN'S TENNIS REPORT

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefer - Assistant

The 1986-87 Lobo men's tennis team finished the season with a 23-11 record coupled with a third-place finish in the Western Athletic Conference.

UNM hosted the 25th annual Western Athletic Conference Men's Tennis Championships held at the Lobo Tennis Club, April 27-May 2. In the team competition UNM finished third behind WAC champion, Utah, and runnerup San Diego State. In the team championship matches Utah defeated San Diego State, 5-1, to capture the title. UNM defeated Air Force, 5-1, for third place, while Hawaii topped Brigham Young for fifth place. Colorado State finished seventh.

Five Lobo players earned berths at the NCAA championships in the WAC individual competition. UNM senior Steve Bickham defeated Julio Noriega, SDSU, and Yari Koho, Utah, to advance to the individual finals. In the final match Bickham beat teammate Jack Griffin, 6-3, 6-4, to capture the WAC individual title. Bickham and Griffin received NCAA bids as singles champion and runnerup. In doubles play, Bickham teamed with Alan Dils to win the WAC title, defeating UNM's Rafer Leach and Jesus Rojo, 7-5, 7-6 (7-3) in the championship match. Bickham-Dils received an automatic NCAA bid as doubles champions while Leach-Rojo were given an at-large bid as WAC runnerup.

All five Lobos were eliminated in the opening rounds of competition at the 1987 NCAA Division I Men's Tennis Championships at Athens, Georgia, hosted by the University of Georgia. In first-round singles play, Jeff Torango,

Stanford, defeated Steve Bickham, UNM, 7-5, 6-4. Richard Bergh, Cal State-Long Beach, defeated Jack Griffin, UNM, 6-0, 6-2. In doubles play, Ville Jansson and Sean Cole, Northeast Louisiana, defeated Steve Bickham and Alan Dils, UNM, 7-5, 6-2. Ashley Rooney and Bret Garnet, Southwest Louisiana, defeated Rafer Leach and Jesus Rojo, UNM, 6-2, 6-4.

Six Lobos received All-WAC honors following the WAC Championships. Senior Jack Griffin, senior Steve Bickham and freshman Rafer Leach were named to the 1987 All-WAC team in singles. UNM's doubles teams of Jack Griffin and Karl Hale, Steve Bickham and Alan Dils, and Rafer Leach and Jesus Rojo were named to the All-WAC team. In addition, freshman Rafer Leach was voted WAC Newcomer of the Year. Leach finished the season with a 31-9 record in singles play, 9-4 in doubles. Rafer's 31 wins is a UNM record for single-season victories for a freshman, topping the old record of 26 wins set by teammate Jack Griffin in 1983.

1987 marked the end of stellar UNM tennis careers for seniors Steve Bickham and Jack Griffin. Both players were coach David Geatz' first recruits prior to the 1983-84 season when Geatz began his UNM coaching tenure. Bickham graduates with a 88-49 career singles record, 63-28 in doubles. Steve is a four-time All-WAC performer, 1986 All-America doubles player, teaming with Tim Cass, and a two-time NCAA championship participant. Griffin graduates as a four-time All-WAC player who ranked among the top-50 collegiate singles players in the nation during his junior and senior seasons. Griffin leaves UNM with a 94-49 singles record.

Head coach David Geatz finished his fifth season as UNM's tennis coach. In five seasons Geatz has tallied a 99-56 record.

1986-87 UNM MEN'S TRACK

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefer - Assistant

CROSS COUNTRY -- The six-man UNM squad ran in a total of six races. The Lobos won three of five races entering the WAC/Big Sky Conference Championships but managed only a ninth-place finish at the Championships.

In the first meet of the season the Lobos traveled to Flagstaff, AZ, where they won the George Kyté Invitational. UNM's Tom Glass finished first with a 24:51 clocking in the eight-kilometer race. Joey Farrell was the next Lobo finisher in sixth place with a 25:17 clocking. UNM followed with a first-place finish at the El Paso Invitational. The top UNM finisher in the five-team event was Bill Mangan with a time of 21:01 in the four-mile race.

On October 4th, UNM began to struggle, finishing sixth of 16 teams at the Colorado Invitational, a five-kilometer race. UNM's top finisher was Bill Mangan with a 26:56 clocking in 39th place. The Lobos never regained top-ranked form. UNM finished 10th of 24 teams the next week at the Arizona Invitational. Tom Glass was the top UNM finisher in 25th place with a time of 26:59 in the 5.1 miler. On November 1st, the Lobos rallied to win the Lobo Invitational in Albuquerque, finishing first of six teams. Tom Glass was UNM's best finisher with a second-place finish and a 27:15 clocking through the five-miler. Lobo Joey Farrell finished fourth with a time of 27:37.

UNM entered the WAC Championships on a surge after finishing first at the Lobo Invitational but could not repeat the feat. Bill Mangan was the top Lobo finisher in 14th place.

INDOOR TRACK AND FIELD -- The Lobos ran an abbreviated indoor schedule, running in only two regular-season meets prior to post-season competition.

The Lobos participated in a non-scoring meet at Northern Arizona University to open the season. Darren Crawford led the Lobos, finishing first in the 35-pound weight throw (54-10) and second place in the shot put (56-5½). Sophomore sprinter Gabriel Okon finished first in the 300-meters with a 33.37 clocking. UNM competed in another non-scoring meet at the University of Oklahoma with only four UNM athletes participating.

UNM hosted the 1987 WAC Indoor Track Championships held at Tingley Coliseum February 27-28. Brigham Young won eight of the 14 scoring events with 146 points. Wyoming finished second with 75 points followed by UNM with 74 points in third place. Lobo Darren Crawford won the shot put with a put of 58-11½ and the Lobos won the mile relay with a 3:22.8 time. The highlight of the meet for UNM was freshman pole vaulter Simon Arkell who won the event with a vault of 17-3½, a new school record, topping the old mark of 16-6 set by Ingemar Jernberg set in 1966. Arkell's vault qualified him for the NCAA Championships, the lone Lobo to qualify. The freshman from Sydney, Australia, tried three times to clear 17-6, narrowly missing his final attempt at the 18th annual indoor championships.

Arkell posted a subsequent ninth-place finish at the 1987 NCAA Indoor Championships at Oklahoma City, OK. Simon finished with a top vault of 16-11, well off the pace of winner Doug Fraley, Fresno State, with a vault of 18-2 3/4.

Defending WAC indoor team champion UTEP, on NCAA probation and ineligible for the NCAA meet, entered only six athletes in the '87 WAC meet. Either UTEP or BYU had won all 17 previous meets.

OUTDOOR TRACK AND FIELD -- Freshman Simon Arkell broke the school outdoor record in the pole vault early in the outdoor campaign. Arkell vaulted 17-1½, breaking the old mark of 17-3/4, set by Ingemar Jernberg in 1972.

As a team, UNM enjoyed a successful outdoor season. The Lobos posted a 17-3 record, 14-0 in home meets. The Lobos' only losses came at Arizona, Arizona State and Nebraska.

UNM posted its best finish in 20 years finishing second at the 25th WAC Outdoor Track and Field Championships held at University of Texas-El Paso, May 7-9, 1987. The Lobos tallied 117 points behind champion Brigham Young with 214. At the WAC meet UNM sprinter Gabriel Okon led the UNM attack with a first-place finish in the 100 meters (10.27) and the 200 meters (20.71). In addition, Okon ran a world-class leg in the 1,600 relay with a 44.6 clocking en route to a 3:11.4 time. Junior Darren Crawford rounded-out a quality outdoor season with a first-place finish in the shot put event. Crawford, who is UNM's record-holder in the outdoor shot put with a 59-10½ mark, puted the shot 57-5 3/4, but failed to qualify for the NCAA Championships. Lobo Bill Mangan, who struggled during the indoor campaign, posted a first-place finish in the 10,000 meters (31:03) and finished fifth in the 5,000 with a time of 14:47.82. Freshman Tony Osheku logged a personal-best, 1:52.1, for a sixth in the 800 meters. Senior Charlie Clark finished fourth in the 400 meters (47.90). Lobo Shawn Taylor finished third in the 110-hurdles (14:56.4).

UNM's seven-year head track and field coach, Del Hessel, was voted WAC Coach of the Year for the first time since he came to UNM.

Four Lobo athletes qualified and competed in the NCAA Championships at Louisiana State University in Baton Rouge, LA, June 3-6, 1987.

At the Bernie Moore Track Stadium in Baton Rouge, UNM sprinter Gabriel

Okon was eliminated in the preliminary races of the 100 and 200 meters. UNM's Chris Warner finished 10th in the decathlon with 7,293 points. Freshman pole vaulter Simon Arkell failed to qualify in the preliminary round of the pole vault. The Lobos' Bill Mangan qualified for the 5,000 meters with a 14:02.4 time. Mangan earned All-America honors in the 5,000 final, finishing ninth in the race with a time of 14:06. Bill became an All-American by being the seventh American to finish. The top two finishers were foreign athletes.

1986-87 UNM WRESTLING REPORT

SPORTS INFORMATION - ATHLETIC DEPARTMENT

Ross Haefer - Assistant

The UNM wrestling team finished the 1986-87 season with a 3-5 record in dual-meet competition, followed by a fourth-place finish at the 1987 WAC Championships with 42 points.

Coach Bill Dotson entered his seventh season at UNM with a squad lacking in depth, faced with a tough schedule and a majority of road matches. Although the Lobos struggled as a team, senior Chris Luttrell (134) and sophomore TeDon Fleischman (142) emerged as WAC champions while senior Bruce Garner (126) was WAC runnerup.

Chris Luttrell, following in his brother's footsteps, capped a stellar UNM wrestling career, posting a 38-2 season record and a team-leading 16 falls. The Manzano High graduate made his fourth consecutive NCAA appearance after defeating Steve Turner from Air Force (fall, 4:24) at the WAC post-season tournament. At the 57th NCAA Wrestling Championships in College Park, Maryland, Luttrell defeated John Cholokian, Fullerton State, 5-1, in the first round. In the second round Chris was defeated by Jim Frick, Lehigh, 12-6. Luttrell entered the post-season competition with only two defeats, both coming at the hands of Iowa State's Jeff Gibbons who was ranked No. 5 in the nation at the time of the matches. Luttrell finished his UNM career with a 89-19 record, two WAC titles and four consecutive NCAA appearances.

Fifth-year senior Bruce Garner posted a 30-12 season record, earning his third NCAA nod with a victory over Brad Williams from Weber State College for third place and a subsequent at-large berth in the 126-pound class. At the NCAAs, Garner defeated Tom Herring, Tennessee, 10-5, in the

first round. In the second round, Garner lost, 13-4, to Iowa's Brad Perith. Garner graduates with a 119-41 career record, tied with former Lobo grappler Curtis Luttrell for single-season wins with 42. Garner leaves UNM as the school record holder for most single-season takedowns with 105 and a WAC championship under his belt.

Sophomore Tedon Fleischman had another productive season posting a 29-9 record, qualifying for the NCAAs with an at-large bid. Jody Warren, Weber State College, defeated Fleischman, 9-2, in the quarterfinals of the WAC Championships, giving Fleischman an at-large bid to the NCAAs. At the NCAA Wrestling Championships, Karl Monaco, Montclair (N.J.) State, defeated Fleischman, 10-1, in the preliminary round of the 142-pound class.

February 18th, 1987, UNM President Gerald May announced that Lobo wrestling would be cut from the UNM athletic budget along with four other Lobo sports. On March 30th, it was announced that wrestling would be reinstated to the athletic slate on a year-to-year basis through the efforts of Save Our Sports, a private funding organization designed to raise money to fund the previously cut sports.

In other wrestling notes, the WAC post-season format was changed in the 1986-87 season. The WAC held its annual conference championships to determine a team champion, but not individual NCAA qualifications. NCAA qualifiers were determined solely through another post-season tournament, the Big Sky/WAC Wrestling Championships, held at a later date, determining all NCAA qualifiers from the WAC and Big Sky conferences.

UNIVERSITY OF NEW MEXICO MEN'S ATHLETIC DEPARTMENTAppointments to Staff (July 1, 1986 - June 30, 1987)

Dr. John E. Koenig, Director of Athletics, March 20, 1987
Mike Dill, Associate Director of Athletics, Administration, May 28, 1987
Terry Hearne, Associate Director of Athletics, Finance, May 28, 1987
Greg Remington, Interim Sports Information Director, June 15, 1987
Ross Haefer, Interim Assistant Sports Information Director, June 15, 1987
Mike Sheppard, Head Football Coach, Dec. 24, 1986
Marvin Lewis, Assistant Football Coach, Jan. 3, 1987
Ed Lambert, Assistant Football Coach, Jan. 3, 1987
Michael White, Assistant Football Coach, Jan. 3, 1987
Art Valero, Assistant Football Coach, Jan. 3, 1987
Jack Stanton, Assistant Football Coach, Jan. 30, 1987
Gary Zauner, Assistant Football Coach, Feb. 3, 1987
Steve Fairchild, Assistant Football Coach, Feb. 3, 1987
Dan Plater, Assistant Football Coach, Feb. 3, 1987
John Rome, Assistant Football Coach, Feb. 3, 1987
Mark Paulsen, Strength & Conditioning, May 28, 1987

Separations from Staff (July 1, 1986 - June 30, 1987)

John Bridgers, Director of Athletics, June 30, 1987
John Keith, Sports Information Director, March 14, 1987
Joe Lee Dunn, Head Football Coach, Dec. 12, 1987
Joe Sparks, Assistant Football Coach, Dec. 12, 1987
Jim Berryman, Assistant Football Coach, Dec. 12, 1987
Ben Griffith, Assistant Football Coach, Dec. 12, 1987
Jim Norrell, Assistant Football Coach, Dec. 12, 1987
Stan Quintana, Assistant Football Coach, Dec. 12, 1987
Jacob Burney, Assistant Football Coach, Dec. 12, 1987
Mike Bujewski, Assistant Football Coach, Dec. 12, 1987
Bob London, Assistant Football Coach, Dec. 12, 1987
Kevin Stark, Strength & Conditioning, June 30, 1987

YEAR END REPORT

Women's Athletics

July 1, 1986 - June 30, 1987

Submitted By:
Dr. Pat Trainor
Women's Sports
Information Director

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SUMMARY OF THE PROGRAM

The 1986-87 women's athletic year could best be described as one of extreme highs and lows. Once again, as in the 1985-86 school year, another new president assumed leadership of the University. There were also new appointments to the Board of Regents, and the overall direction of the University shifted once again. All University departments still experienced budgetary constraints. The sum of these factors had an effect on UNM's academic and athletic programs, but the economic problem had the greatest impact of all on athletics in the 1986-87 school year.

Throughout the fall semester rumblings were heard, almost daily, that sports would be cut. Obviously this created a great deal of unrest among coaches and athletes. Finally on February 17, 1987, President Gerald May announced that two men's sports and two women's sports would be dropped the following year. The sports selected to be eliminated were wrestling, baseball, women's swimming, and women's basketball. This was the low ebb for the athletic program.

The high point for women's athletics were two outstanding performances, in particular, by Lobo athletes, one from gymnastics, and one from golf. Lisa Pank, a sophomore from Fairbanks, Alaska, earned All-America honors in two events at the NCAA Championships, a first in women's gymnastics history. This mile stone was followed by golfer Caroline Keggi capturing the individual national title at the NCAA's, which were hosted by the University of New Mexico.

In the HCAC Conference Cup race, New Mexico found themselves in third place, once again, behind BYU and Utah. This performance too, could be a reflection of the economic times facing athletics and higher education in general.

CROSS COUNTRY

The fall semester started off with a strong showing by the cross country team, when they took first place at the NAU Invitational. The team did well in meets against much stronger teams, pulling off an upset at ASU with a first place finish. By Conference time, the team reached their peak, capturing second place behind nationally ranked BYU. The Lobos were fourth in

the NCAA District 7 race, with senior Carole Roybal qualifying for nationals. At the NCAA Championships, Roybal placed 28th out of 135 runners, and earned All-America honors for a third time in her career.

The cross country team was under the direction of first year coach Judy Allen.

VOLLEYBALL

Volleyball started out their fall season with 10 straight wins, and an appearance in the Top 20 poll. They entered Conference play with a 14-2 record, and then the going got tough. Within the HCAC schools, five of the seven teams were ranked or mentioned in the national standings, with UNM being one of the five.

The Lobos took opponents to the line, but lost out by mere points. The team finished the season with a 17-11 overall mark, and a 3-9 record in the HCAC for a fifth place tie. Freshman Nao Ikeda was voted the HCAC Defensive Player of the Year, which is quite a feat considering the strength of players in the HCAC.

Head Coach Laurel Kessel was again involved on the national and international volleyball scene, being a member of several Olympic committees, as well as USVBA committees. She also played competitively on the Dallas Belles, a pro team based in Texas. Their matches were televised regularly on ESPN, and the fact that Kessel coached at New Mexico was announced frequently. At the conclusion of the regular collegiate season, Kessel was asked to return to the U.S. National Volleyball Team. For Kessel, a member of the 1980 boycotted Olympic Team, this afforded her a chance to see her dream of a life time come true. Athletic Director Linda Estes has granted her an 18 month leave of absence so that she can train and compete with the National Team. At this time the U.S. team has qualified for the 1988 Olympics. Kessel has just returned from a tour (competitive) in Russia, and the team will compete in the coming weeks in the Pan American Games.

Assistant Coach Blase Czernakowski will assume the head coaching duties for Kessel. Matt McShane has been hired as an assistant coach. Lang Ping, a 1984 gold medalist from the China Olympic Team, will serve as a Special Technical Advisor. New Mexico is very fortunate to have such a premier player assisting with the team.

The Lady Lobos have long been one of the more outstanding women's teams, but this year was their finest hour. The fall schedule of invitationals consisted of the best collegiate tournaments in the country. The team started off by taking a first place in the Roadrunner Invite and the BYU Invite. They then journeyed home to host the McGuire Invitational at the South University Golf Course. This years home stand would also act as a warm-up for the running of the national tourney, as UNM would host the 1987 NCAA National Collegiate Women's Golf Championships, May 27-30 at the South Course. Many teams asked to be invited to the 1986 McGuire so that they would have an opportunity to play the course before nationals, so the field was enlarged from 16 to 21.

By the time all entries were in, the McGuire looked like a fall NCAA Championship. Of the top 20 teams in the nation, 10 were present, including the third ranked Lobos. It was an extremely exciting week, as the Lobos won their own Invitational for the first time in their golf history (UNM had not won since the tournament had been named the McGuire. New Mexico had won the tournament twice when it was the Tucker and included both men and women.). The win was doubly rewarding as the Lady Lobos

had defeated Oklahoma St., ranked first, and Arizona St., ranked second in the nation. The team finished out the fall semester schedule with a second place at the Washington Invite, and a disappointing seventh at Stanford.

Individually, senior Caroline Keggi was ranked first, later second, and third out of 600 golfers. Teammate Michelle Wooding was ranked as high as tenth, with the rest of the team being ranked in the top 100. New Mexico had the potential of being one of the strongest teams in the nation.

The bottom fell out during spring semester competition. Wooding suffered a minor concussion and had difficulty physically coming back from the accident. Keggi, Susan Wineinger and Wendy Werely hit slumps, while only sophomore Tara Fleming seemed to improve with each tournament. The saving grace was the fact that the team had played so well during the fall, that they retained a top 10 national ranking. The team went into the HCAC Championships as the heavy favorite and they defeated the Conference teams by a large margin. This was a good win to prepare the team for nationals.

The Lobos went into the 1987 Championships ranked sixth, and finished tied for seventh. The climax to the Championships, however, was Lobo Caroline Keggi defeating Ann Jones of San Jose

St. for the individual title in a one hole sudden death playoff. This was the first time that a UNM golfer was a national champion. Keggi was also named first team All America.

BASKETBALL

The basketball season was an up and down ride throughout the season. The first few games are examples of how the entire season was to go. New Mexico had a narrow win over UTEP in their opening game. The team then experienced a big loss to Oklahoma, a loss to Southwest Texas, and a close win over Eastern New Mexico. The year continued with the team defeating smaller schools, and getting run over by the bigger teams. Prior to the coaches and players being told that their team was to be dropped, the record stood at 7-13 and 1-4 in Conference. Remarkably, after the announcement that sports would be dropped, one could see a mental and physical change in both the coaches and players. Without the pressure to produce, suddenly the team played as a cohesive unit and exhibited aggressive play. The Lobos began to win games, and in the end played the dominant role in the Conference outcome.

GYMNASTICS

The women's gymnastics team had one of their best seasons and there were some outstanding individual performances that made Lobo history. The team was injury free this year, so they were able to compete well all season. The Lobos had a competitive schedule, finishing the year with a 12-7 dual record. The high light for the team was the HCAC Conference Championships, which UNM hosted. This was the first year for such a championship. The Lobos placed second, just behind six time national champions Utah. Lisa Pank took All Around honors, followed by teammate Antoinette Gonzales. This was just the beginning for Pank. She and Amy Mategrano qualified to compete at regionals, where Pank went on to qualify for nationals. Gonzales had qualified for nationals earlier. Pank performed beyond even her fondest dream. She was eighth in the AA competition with a score of 37.40; she was sixth on the balance beam with a score of 9.35; she earned two All America certificates; and she qualified for tryouts at the World University Games. Pank made the U.S. World University Games gymnastics team, traveling to Europe this summer for the competition.

SKIING

The ski team did well once again on the snowy slopes. Their big win was a first place at their own invite, upsetting national champs Utah and former national champs Wyoming. The Lobos took a second place at the Wyoming Invite and placed fourth at the remaining three collegiate meets. New Mexico qualified as a team for the NCAA's, held in Alaska this year. The team finished fifth and eight skiers, four men and four women, earned All America honors. Head Coach George Brooks was asked to coach the U.S. World University Games ski team again, so he traveled to Bulgaria just prior to the NCAA Nationals. Nordic skier Kristian Naess competed in the U.S. Nordic Nationals and took first place in the 30K and 50K races. He defeated U.S. Olympic and National team members for the finish line. SWIMMING

SWIMMING

The Lobo swimmers had a steady season and did well in competition against Conference schools. At seasons end, the team had a 7-5 dual record, and had taken third place at the Conference Championships. Five swimmers swam their way to the All Conference team. Probably the athletes and coaches greatest effort for the year, however, was their involvement with the Save Our Sports (SOS) committee in raising the needed money to keep women's swimming as a collegiate sport at UNM.

The Lobo netters had a successful season defeating several schools that had reputable tennis squads. Within the Conference the team stayed where they have been for the past several years, in third place, behind BYU and Utah. Brigham Young was nationally ranked again this year. The Lobos finished the season with a 17-8 dual record (does not include the HCAC Championships which was individual play).

SOFTBALL

The young softball team learned a lot this season and should be ripened veterans in the future. Injuries also took their toll, with Coaches Craig and Johnson having to rearrange the line-up in several different orders. But even so the Lobos narrowly missed playing in the four team HCAC Championships. At seasons end the team had an 11-30 overall record and were 2-8 in Conference, for seventh. The bright star was Liz Bogdanovic who made the All Regional and All Conference team. This was the first year for co-head coaches. Assistant coach Ken Johnson was elevated to co-coach with Susan Craig.

TRACK

The track team should always run at home. This season they did not lose any home meets, taking a first place four times while running in the confines of UNM Stadium. On away trips they fared pretty well too, placing second at a tri-meet against Arizona St. and Texas Tech. Their other away meets were non-scoring. The Lobos were second in the Conference race behind BYU. Four athletes raced to be members of the All Conference team.

COACH RECORDS

SUMMARY

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SPORT	COACH ASST. COACH	YEARS AT UNM	SEASON RECORD	UNM RECORD	CAREER RECORD	CONFERENCE FINISH	NATIONAL FINISH
Basketball	Doug Hoselton	7	11-16	89-95	89-95	5th(5-7)	-
	Jeff Thompson	2					
	Lyn Anastasio	1					
Golf	John Speary	3	No way to compute win-loss record			1st	7th Caroline Keggi Nat'l Champion
Gymnastics	Pete Longdon	5	12-7	62-52	62-52	2nd	2 qualified for Nationals & finished 8th & 53rd
Skiing	George Brooks	17	No way to compute win-loss record			3rd	5th
	Klaus Weber	12					4 All-America
Softball	Susan Craig	10	10-30	258-219-1	258-219-1	6th(2-8)	-
	Ken Johnson	7	10-30	10-30	10-30	6th(2-8)	
Swimming	Bill Spahn	6	No way to compute win-loss record			3rd	-
Tennis	Kathy Kolankiewicz	2	17-8	24-23	24-23	3rd	-
Track	Mike MacEachen	5	No way to compute win-loss record			2nd	-
Cross Country	Judy Allen	1	No way to compute win-loss record			2nd(t)	1 qualified & finished 28th 1 All-America
Volleyball	Laurel Kessel	4	17-11	69-56	69-56	5th(3-9)	
	Blase Czerniakowski	2					

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HIGH COUNTRY ATHLETIC CONFERENCE

TEAM FINISHES

1986-87

	UNM	BYU	CSU	NMSU	UTAH	UTAH ST	WYO	CREIGHTON*	UTEP**
BASKETBALL	11-16 5-7 5th	17-11 10-2 3rd	9-19 3-9 6th	23-7 10-2 1st	20-7 10-2 2nd	1-26 0-12 7th	15-12 6-6 4th	-	-
CROSS COUNTRY	2nd(t)	1st	2nd(t)	8th	6th	7th	5th	-	4th
GOLF	1st	3rd	5th	2nd	-	-	4th	-	-
GYMNASTICS	2nd 185.50	4th 178.55	-	-	1st 187.75	3rd 184.85	-	-	-
SOFTBALL	10-30 2-8 6th	-	18-20 4-6 4th	19-23 4-6 5th	22-24 7-3 2nd	28-14 7-3 1st	-	34-13 6-4 3rd	-
SKIING***	3rd	-	-	-	1st	-	2nd	-	-
SWIMMING	3rd	2nd	1st	6th	4th	-	5th	-	-
TENNIS	3rd	1st	6th	4th	2nd	-	-	-	5th
TRACK & FIELD	2nd	1st	5th	-	6th	4th	3rd	-	7th
VOLLEYBALL	17-11 3-9 5th	40-3 12-0 1st	27-12 7-5 2nd	17-12 3-9 6th	19-19 7-5 4th	18-15 3-9 7th	19-14 7-5 3rd	-	-

* Affiliate Member - Softball

** Affiliate Member - Cross Country, Track & Field

*** Regional Finish

TEAM AWARDSVolleyball

Most Valuable Player - Nao Ikeda
 Jocelyn Funk
 Most Improved Athlete - Winifred Foster
 Most Spirit - Dawn Roberts

Cross Country

Most Valuable Runner - Carole Roybal
 Coach's Award - Lisa Valle
 Excel Award - Diana Baca

Skiing

Most Valuable Skier (Alpine) - Karen Currie
 Most Valuable Skier (Nordic) - Sanna Harma
 Coach's Award - Danielle Labrie
 Most Improved Athlete - Siv-Katrin Ramskjell

Basketball

Most Valuable Player - Janice Branch
 Best Defensive Player - Tracy Satran
 Best Rebounder - Connie Jensen
 Most Dedicated - Kim Bradshaw

Gymnastics

Most Valuable Gymnast - Lisa Pank
 Coach's Award - Antoinette Gonzales
 Coach's Award - Lisa Pank

Swimming

Most Valuable Swimmer - Sarah Spoehr
 Karen Snyder
 Most Valuable Diver - Melanie Marshall

Tennis

Most Valuable Player - Chris Hoffee
 Most Improved Athlete - Jennifer Toomy

Softball

Most Valuable Player - Liz Bogdanovic
 Best Defensive Player - Amy Minick
 Best Offensive Player - Liz Bogdanovic
 Lobo Award - Beth Unterbrink

Golf

Most Valuable Playere- Caroline Keggi
 Most Improved Athlete - Tara Fleming
 Michelle Wooding
 Coach's Award - Susan Wineiger

Track

Most Valuable Track Athlete -
 Most Valuable Field Athlete -

Cross Country - Carole Roybal
28th at NCAA Championships, time: 17:46.22

Skiing - Sanna Harma
5th, nordic 10k, NCAA Championships

Siv-Katrin Ramskjell
6th, nordic 10k, NCAA Championships

Ida Lundberg
9th, alpine slalom, NCAA Championships

Karen Currie
9th, alpine giant slalom, NCAA Championships

Golf - Caroline Keggi
Individual Champion, NCAA Championships 1987
Runner-up, NCAA Championships 1986

Gymnastics - Lisa Pank
8th, all around, score 37.40, NCAA Championships
6th, balance beam, score 9.35, NCAA Championships

LOBO WOMEN'S CROSS COUNTRY RESULTS 1986

<u>DATE</u>	<u>MEET</u>	<u>LOCATION</u>	<u>FINISH/TEAMS</u>
Sept. 13	NAU Invitational	Flagstaff, AZ	1/9
Sept. 19	El Paso Invt.	El Paso, TX	3/6
Sept. 27	Aztec Invitational	San Diego, CA	4/26
Oct. 13	Arizona Invt.	Tuscon, AZ	4/22
Oct. 18	Arizona State Inv.	Phoenix, AZ	1(t)/7
Nov. 1	LOBO INVITATIONAL	ALBUQUERQUE, NM	2/5
Nov. 15	District 7 & HCAC 4th/17	Salt Lake City, UT 2(t)/7	
Nov. 24	NCAA CHAMPIONSHIPS Carole Roybal	Tuscon, AZ	28/135 (individual)

WOMEN'S CROSS COUNTRY 1986-87 ROSTER

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Diana Baca	Jr.	Albuquerque, NM
Dawn Eriacho	Jr.	Zuni, NM
Julie Farrer	Fr.	Las Cruces, NM
Yvette Haran	So.	Albuquerque, NM
Cindy Herhahn	So.	Albuquerque, NM
Laurie Larson	So.	Albuquerque, NM
Ida-Lise Leyba	Jr.	Albuquerque, NM
Carole Roybal	Sr.	Albuquerque, NM
Lisa Valle	So.	Alamogordo, NM
Gwen Willink	So.	Corrales, NM
Dodi Zamora	Jr.	Albuquerque, NM

Head Coach: Judy Allen

All-Conference: Carole Roybal
Lisa Valle

All-American: Carole Roybal

DATE	OPPONENT	SCORE	W/L	Over-all RESULTS	HCAC RESULTS
Sept.5-6	U OF San Fran Tny.	1st Place (Nao Ikeda-All Tny. Jocelyn Funk-MVP)			
5	Oregon St.	15-9,8-15,15-7,14-16,16-14	W	1-0	----
5	Weber St.	15-7,15-10,15-10	W	2-0	----
5	San Francisco	15-2,15-4,15-3	W	3-0	----
6	Gonzaga	15-6,15-11,15-6	W	4-0	----
6	Oregon St.(Finals)	12-15,15-8,15-7,15-8	W	5-0	----
12-13	DOMINO'S PIZZA CL.	1st Place(Nao Ikeda-MVP Marlo Pennington-ALL TNY.)			
12	Colorado	15-2,15-3, 15-4	W	6-0	----
13	Montana St	15-10,15-9,15-6	W	7-0	----
13	Rhode Island	15-4,15-6,15-7	W	8-0	----
26-27	Louisiana St. Invite	3rd place (Cathy Peterson-All Tny.)			
26	Florida St.	15-2,15-13,15-13	W	9-0	----
26	Sam Houston St.	11-15,15-9,15-8,15-11	W	10-0	----
27	Louisiana St.	16-14,11-15,8-15,3-15	L	10-1	----
27	Rice	13-15,15-4,15-12,15-4	W	11-1	----
Oct.9-11	NAU Invite				
9	North. Ariz.	15-7,15-8,15-9	W	12-1	----
10	Baylor	15-8,15-11,15-8	W	13-1	----
10	Loyola Marymont	15-7,15-13,15-11	W	14-1	----
11	Arizona St.	7-15,7-15,11-15	L	14-2	----
17	BYU*	10-15,15-6,12-15,14-16	L	14-3	0-1
18	UTAH ST.*	13-15,15-2,15-13,15-9	W	15-3	1-1
24	Colorado St. U.*	8-15,5-15,4-15	L	15-4	1-2
25	Wyoming*	13-15,15-6,9-15,9-15	L	15-5	1-3
31	New Mexico St. U.*	15-11,15-13,10-15,15-8	W	16-5	2-3
Nov. 06	Brigham Young U.*	2-15,14-16,6-15,	L	16-6	2-4
7	Utah*	15-12,11-15,11-15,15-11,11-15	L	16-7*	2-5
8	Utah St.*	15-10,9-15,10-15,15-10,9-15	L	16-8	2-6
13	NEW MEXICO ST.U.*	16-14,16-14,15-6	W	17-8	3-6
15	UTAH*	10-15,9-15,15-2,18-16,9-15	L	17-9	3-7
21	WYOMING*	15-7,15-4,13-15,15-5,14-16	L	17-10	3-8
22	COLORADO ST. U.*	14-6,15-11,10-15,11-15	L	17-11	3-9

Head Coach: Laurel Kessel
 Assistants: Blase Czerniakowski
 Fred Weller

*Denotes HCAC Matches
 HOME MATCHES INDICATED BY ALL
 CAPS

Season Record: 17-11
 HCAC Record: 3-9
 Conference Finish: Tied for 5th.

All-Conference_ 2nd Team
 Nao Ikeda
 HCAC Defensive Player
 Nao Ikeda

LOBO VOLLEYBALL ROSTER 1986

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<u>NAME</u>	<u>HT.</u>	<u>POSITION</u>	<u>YR.</u>	<u>HOMETOWN</u>
Julie Barrett	5-8	Leftside Hitter	Jr.	San Diego, CA
Marmy Chu	5-5	Setter	So.	Honolulu, HA
Sharon Cornell	5-6	Defensive Specialist	So.	Santa Fe, NM
Lori Forrest	5-11	Leftside Hitter	Jr.	Cedar Rapids, IA
Winifred Foster	5-10	Middle Hitter	Sr.	Aurora, CO
Jocelyn Funk	5-7	Setter	Sr.	Portage La Prairie, Canada
Jodi Hinchy	6-0	Middle Hitter	Fr.	Rancho Santa Fe, CA
Nao Ikeda	5-8	Leftside Hitter	Fr.	Saitama, Japan
Marlo Pennington	5-9	Middle & Right Hitter	So.	Albuquerque, NM
Cathy Peterson	5-8	Middle Hitter	Jr.	Edina, MN
Davin Quelle	5-11	Leftside Hitter	Jr.	Espanola, NM
Dawn Roberts	5-6	Defensive Specialist	Fr.	Farmington, NM
Karen Saavedra	5-7	Setter & Left Hitter	So.	Albuquerque, NM

Head Coach: Laurel Brassey Kessel (4th year)

Assistant Coach: Blase Czerniakowski (2nd year)

Defensive Player of the Year (HCAC): Nao Ikeda

All-Conference Team:

Second Team - Nao Ikeda

Overall Record: 17-11

Conference Record: 3-9

Finish in Conference: 5th

LADY LOBO GOLF RESULTS
1986-1987

Fall Semester UNM Finish/Teams
 Roadrunner Invitational, 1/10 Par 74 (6,084 yds)
 New Mexico - 306 298 299 903
 1. Caroline Keggi 74 - 67 - 71 212
 2. Michelle Wooding 77 - 74 - 71 222
 14. Tara Fleming 76 - 79 - 80 235
 17. Susan Wineinger 80 - 78 - 79 237
 22. Wendy Werley 79 - 83 - 78 240

BYU Invitational 1/13 Par 72 (5,920 yds)
 New Mexico - 298 300 288 886
 1. Caroline Keggi 72 - 73 - 68 213
 2. Michelle Wooding 73 - 73 - 70 216
 8. Wendy Werley 76 - 74 - 76 226
 15. Susan Wineinger 77 - 80 - 77 237
 26. Tara Fleming 78 - 82 - 77 237

MC GUIRE INVITATIONAL 1/21 Par 73 (6,158 yds)
 New Mexico 298 299 309 906
 5. Caroline Keggi 76 - 73 - 75 224
 9. Michelle Wooding 74 - 75 - 79 228
 13. Susan Wineinger 76 - 74 - 79 229
 31. Wendy Werley 72 - 85 - 78 235
 Tara Fleming 81 - 77 - 77 235

Washington Invitational 2/14 Par 72
 New Mexico 306 305 303 914
 (1. USC 306 299 307 912)
 2 Caroline Keggi 79 - 70 - 76 225
 Michelle Wooding 81 - 72 - 72 225
 Wendy Werley 76 - 82 - 79 237
 Tara Fleming 77 - 81 - 79 237
 Susan Wineinger 76 - 85 - 76 237

Stanford Invitational 7/19 Par 73 (5,886 yds)
 New Mexico 318 302 303 923
 (1. Indiana 300 306 301 923)
 7. Tara Fleming 79 - 76 - 69 224
 24. Michelle Wooding 84 - 73 - 74 231
 32. Caroline Keggi 74 - 79 - 80 233
 39. Wendy Werley 81 - 74 - 80 235
 92. Bernedette Lucero 93 - 89 - 89 271

SPRING SEMESTER

Arizona Invitational, 5/14 Par 72 (6,064 yds)
 New Mexico 305 313 297 915
 (1. ASU 298 294 291 883)
 11. Tara Fleming 71 - 79 - 74 224
 15. Caroline Keggi 77 - 76 - 73 226
 29. Wendy Werley 78 - 79 - 75 233
 32. Sarah Zwenke 79 - 79 - 75 233
 58. Susan Wineinger 84 - 79 - 80 243 20

Patty Sheehan Invitational, 8/12 Par 72 (6,032 yds)

New Mexico	315	317	313	945
(1. San Jose St.	310	295	305	910)
19. Wendy Werley	80	- 76	- 77	233
23. Caroline Keggi	77	- 85	- 77	234
41. Tara Fleming	77	- 85	- 77	239
49. Susan Wineinger	81	- 82	- 82	245
Michelle Wooding	83	- 79	- 83	245

Betsy Rawls Invitational, 8/18 Par 72 (5,894 yds)

New Mexico	321	318	307	946
(1. Oklahoma St.	307	311	308	926)
14. Susan Wineinger	79	- 79	- 75	233
21. Tara Fleming	77	- 80	- 78	235
35. Caroline Keggi	82	- 86	- 83	239
Wendy Werley	83	- 81	- 75	239
85. Sarah Zwenke	88	- 86	- 83	257

Rainbow Wahine Invitational, 5/10 Par 72

New Mexico	304	325	322	951
(1. UCLA	304	310	322	936)
4. Tara Fleming	75	- 77	- 79	231
13. Caroline Keggi	75	- 83	- 79	237
30. Wendy Werley	81	- 82	- 79	242
43. Michelle Wooding	75	- 89	- 85	249
Susan Wininger	81	- 81	- 87	249

Colorado State Invitational (B squad)

Lady Sun Devil Invitational, 9/17 Par 73 (6,500 yds)

New Mexico	308	311	310	929
(1. Oklahoma St.	307	302	291	900)
14. Caroline Keggi	77	- 77	- 72	226
21. Tara Fleming	75	- 76	- 79	230
38. Wendy Werley	80	- 78	- 78	236
44. Susan Wineinger	76	- 80	- 82	238
78. Michelle Wooding	83	- 82	- 81	246

HIGH COUNTRY ATHLETIC CONFERENCE CHAMPIONSHIPS, Par 73 (6,158 yds)

UNM South University Golf Course

New Mexico	296	306	299	901
1. Susan Wineinger	72	- 72	- 74	218
2. Caroline Keggi	75	- 75	- 71	221
5. Tara Fleming	74	- 78	- 76	228
10. Michele Wooding	77	- 81	- 78	236
15. Wendy Werley	75	- 87	- 82	244

NCAA WOMEN'S CHAMPIONSHIPS, Par 73 (6,158 yds)

UNM South University Golf Course

New Mexico	306	301	298	300	1205
(1. San Jose St.	294	302	295	296	1187)
1. Caroline Keggi	76	70	72	71	289
12. Tara Fleming	75	75	73	73	296
53. Wendy Werley	74	80	75	77	306
87. Susan Wineinger	82	77	78	80	317
87. Michelle Wooding	81	79	78	79	317

Tara Fleming	Jr.	Fort Lauderdale, FL
Caroline Keggi	Sr.	Middlebury, CT
Bernadette Lucero	Jr.	Albuquerque, NM
Laura Spengeman	Fr.	Belen, NM
Jill Trujillo	Fr.	Silver City, NM
Wendy Werley	So.	Littleton, CO
Susan Wineinger	So.	Green Bay, WI
Michelle Wooding	So.	Tacoma, WA

Head Coach: John Speary

All-Conference: Susan Wineinger
 Caroline Keggi
 Tara Fleming
 Michelle Wooding
 Wendy Werley

All-American: Caroline Keggi NCAA Champion

Conference Coach of the Year: John Speary

UNM BASKETBALL
FINAL RESULTS - 1986-87

				UNM-OPP	Record	HCAC	Site	Comments
Nov.	29	W	UTEP	61-58	1-0	-	H	
Dec.	1	L	Oklahoma Univ.	51-87	1-1	-	A	
	6	L	Southwest Texas	44-62	1-2	-	A	
	9	W	Eastern New Mexico	61-59	2-2	-	H	
	12	L	Southwest Missouri	66-70	2-3	-	H	
	19-20		RADISSON INN-VITATIONAL- Albuquerque, NM					
	19	L	Oregon State	60-75	2-4	-	H	
	21	L	Southwest Texas	64-65	2-5	-	H	
Jan.	2	W	Metro State	62-51	3-5	-	A	
	4	W	Yale.(at Pepperdine)	71-70	4-5	-	A	Branch Overtime
	8	W	Loyola Marymont	66-39	5-5	-	A	Freethrow
	9	L	San Diego U.	48-75	5-6	-	A	
	12	L	Nevada Reno	61-70	5-7	-	A	
	22	L	Southern Utah	74-81	5-8	-	H	
	23	W	Adams State	70-58	6-8	-	H	
	29	W	Utah State*	62-55	7-8	1-0	H	
	31	L	Brigham Young U*	56-70	7-9	1-1	H	
Feb.	5	L	Wyoming*	54-68	7-10	1-2	A	
	7	L	Colorado State*	49-57	7-11	1-3	A	
	12	L	UTEP	65-72	7-12	-	A	
	14	L	NMSU*	59-75	7-13	1-4	A	
	17	L	UTAH*	40-60	7-14	1-5	A	Found out sport was cut
	19	L	Brigham Young U*	79-97	7-15	1-6	A	
	21	W	Utah State*	65-54	8-15	2-6	A	
	26	W	Colorado State*	60-49	9-15	3-6	H	
	28	W	Wyoming*	66-60	10-15	4-6	H	
Mar.	2	L	NMSU*	74-78	10-16	4-7	H	
	7	W	Utah*	73-61	11-16	5-7	H	

*denotes HCAC games
Season Record: 11-16
HCAC Record: 5-7
Conference Finish: 5th

All Conference Team:
(2nd Team) Janice Branch
Honorable Mention:
Kim Bradshaw,
Connie Jensen
Tracy Satran

UNM
Women's Basketball Roster
1986-87

<u>No</u>	<u>NAME</u>	<u>POS</u>	<u>HT</u>	<u>YR</u>	<u>HOMETOWN</u>
11	Janice Branch	W	5-8	Jr	Albuquerque, NM
12	Jackie Saunders	W	5-11	Fr	Colorado Springs,
14	Julie King	G-W	5-8	Fr	Long Beach, CA
15	Brenda Perry	G-W	5-8	Sr	Albuquerque, NM
21	Kim Bradshaw	W	6-0	Jr	Reno, NV
22	Ann Reno	G	5-7	So	Billings, MT
24	Suzanne McKeen	W	5-11	Jr	Glenwood, NM
25	Susie Sparks	G	5-2	Sr	Columbus, GA
32	Connie Jensen	P	6-0	Sr.	Casper, WY
33	Laura Siemon	P	6-0	Fr	Los Alamos, NM
34	Tammy Spangler	P	6-1	So	Bloomfield, NM
42	Jennifer Uecke	P	6-3	Fr	El Toro, CA
44	Tracy Satran	P	6-1	Sr	Phoenix, AZ

Head Coach: Doug Hoselton

Assistant Coaches: Jeff Thompson
Lyn Anasitasio
Susie Sparks

LOBO FINAL GYMANSTICS RESULTS 1986-87

Jan. 30	at Oklahoma Universiy Norman, OK	1. Oklahoma 182.7 2. UNM 177.5
Feb. 1	MINNESOTA ALBUQUERQUE, NM	1. Minnesota 182.05 2. UNM 180.55
Feb. 6	at Stanford & Cal Berkley	1. Stanford Cardinal 180.9 2. UNM 180.8 3. Berkley 178.55 4. Stanford White 130.1
Feb. 20	HOUSTON BAPTIST ALBUQUERQUE, NM	1. UNM 185.5 2. Houston 157.95
Feb. 27	at Illinois Champaign, IL	1. Illinois 182.1 2. UNM 180.2
Mar. 7	at Brigham Young & Air Force	1. UNM 182.7 2. BYU 182.3 3. Air Force 108.00
Mar. 9	at Utah State Logan, UT	1. Utah St. 186.15 2. UNM 184.10
Mar. 14	at Houston Baptist Houston, TX	1. UNM 184.10 2. Houston 144.15
Mar. 28	HIGH COUNTRY ATHLETIC. CONFERENCE CHAMPIONSHIPS ALBUQUERQUE, NM	1. Utah 187.0 2. UNM 185.5 3. Utah St. 184.0 4. BYU 178.0
Apr. 3	NEBRASKA & STANFORD ALBUQUERQUE, NM	1. UNM 186.05 2. Nebraska 185.95 3. Stanford 182.95
Season Record 12-7		
Apr. 10	NCAA Regionals	21. Lisa Pank 36.25 23. A. Mategrano 36.2

	<u>Vault</u>	<u>Bars</u>	<u>Beam</u>	<u>Floor</u>	<u>Total</u>
Lisa Pank	9.30	8.70	9.00	9.25	36.25
Amy Mategrano	9.30	9.30	8.70	8.90	36.20

Apr. 24-25	NCAA Championships Salt Lake City, UT	8. Lisa Pank 37.40 53. A. Gonzales 34.55			
Lisa Pank	9.45	9.25	9.40	9.30	37.40
Antoinette Gonzales	9.25	7.85	8.60	8.85	34.55

Lisa Pank finished 6th on the Beam with a 9.35

GYMNASTICS
 Alphabetical Roster
 1986-87

<u>Name</u>	<u>Yr</u>	<u>Event</u>	<u>Ht</u>	<u>Wt</u>	<u>Hometown</u>
Iliana Carrillo	Jr	AA	5-2	105	Mexico City, Mexico
Adrienne Child	Fr	AA	5-3	118	Toronto, Canada
Molly Froats	So	AA	5-2	115	Orlando, Florida
Antoinette Gonzales	Sr	AA	5-1	110	Houston, TX
Rhea Larry	Fr	AA	5-2	105	Albuquerque, NM
Amy Mategrano	So	AA	5-2	115	Chicago, IL
Katie McMordie	Fr	AA	5-2	110	Denver, CO
Jennifer Monfiletto	Jr	AA	5-2	105	Albuquerque, NM
Lisa Pank	So	AA	5-2	115	Fairbanks, AL
Patty Rothwell	So	AA	5-5	115	Roswell, NM

Coach: Pete Longdon

Asst. Coach: Doug Day

Choreographer: Ginny Wilmerding

Student Assistant: Deneen Black

Conference Finish: 2nd

All-Conference: Lisa Pank & Antoinette Gonzales

All-Americans: Lisa Pank (8th in All-Around & 6th in Beam)

LOBO 1986-87 SKI RESULTS

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<u>DATE</u>	<u>EVENT</u>	<u>PLACE</u>	<u>FINISH</u>
Jan. 1-2	NCAA Western Regional (UofU & UAF)	Park City, UT	4th/7
Jan. 9-10	Utah Invitational	Salt Lake City	4th/7
Jan. 30-Feb. 1	Wyoming Invitational	Steamboat Springs, CO	2nd/5
Feb. 6-7	New Mexico Invitational	Albuquerque, NM	1st/7
Feb. 23-24	University of Colorado Invitational	Vail, CO	4th/6
Mar. 4-7	NCAA Championships	Anchorage, AK	5th/17

Regional Finish: 4th

National Finish: 5th.

All-Conference

Per Wassgren	Fredrik Landstedt	Sanna Harma
Jonas Lundgren	Karen Currie	Siv-Katrin Ramskjell
Kristian Naess	Ida Lundeberg	

All-Americans

Per Wassgren	Sanna Harma	Karen Currie
Ida Lundeberg	Kristian Naess	Siv-Katrin Ramskjell
Fredrik Landstedt	Geir Simonsen	

Women

Svea Christopher	Jr.	Homer, AK
Karen Currie	Sr.	Mammoth Lake, CA
Torunn Drage	Fr.	Oslo Norway
Monica Ely	Fr.	Durango, CO
Sanna Harma	Fr.	Liminka, Finland
Anna Johansson	So.	Froson, Sweden
Cappie King	Fr.	Ruidoso, NM
Danielle Labrie	Jr.	Quebec City, Canada
Ida Lundeberg	Fr.	Finspang, Sweden
Tiina Niikkonen	Fr.	Kuusamo, Finland
Siv-Katrin Ramskjell	Jr.	Drobak, Norway
Ida Syversen	So.	Oslo, Norway
Maria Trujillo	Fr.	Santa Fe, NM

Men

Richard Abruzzo	Sr.	Albuquerque, NM
Anders Bjurman	Sr.	Lindkoping, Sweden
Bart Bowen	Fr.	Ruidoso, NM
Matthew Davidson	So.	Ashland, OR
Mitch Eddy	Fr.	Ketchum, ID
James Ely	Fr.	Durango, CO
Espen Jansen	Sr.	Oslo, Norway
Tero Kemila	Fr.	Kajaani, Finland
Fredrik Landstedt	Fr.	Sollettea, Sweden
Jonas Lundgren	Jr.	Karlskoga, Sweden
Patrick Marquez	Fr.	Vail, CO
Stace Moon	So.	Anchorage, AK
Kristian Naess	Sr.	Oslo, Norway
Anders Peinert	Jr.	Sundsvall, Sweden
Geir Simonsen	So.	Oslo, Norway
Antti Suhonen	Fr.	Kafttula, Finland
Per Wassgren	Jr.	Karlskoga, Sweden

Head Alpine Coach: George Brooks
 Asst. Alpine Coach: Anders Wassgren
 Head Nordic Coach: Klaus Weber
 Asst. Nordic Coach: Paul Beberg
 Vesa Suomalainen

LOBO WOMEN'S SWIMMING 1986-87 FINAL RESULTS

<u>DATE</u>	<u>OPPONENT</u>	<u>UNM</u>	<u>WINNER</u>	<u>PLACE</u>	<u>HOME AWAY/ NEUTRAL</u>	<u>DUAL RECORD</u>
Nov. 14	Brigham Young Univ	103	113	2/2	H	0-1
Dec. 5-7	Husker Invitational	Individual Scores			A	
Jan. 9	Kansas	Cancelled				
Jan. 10	Wyoming	142	142	1/2	H	1-1
Jan. 17	Univ. of Utah	128	128	1/2	H	2-1
Jan. 30	Colorado State Univ.	99.5	143.5	2/2	A	2-2
Jan. 31	USAFA	114	114	1/2	A	3-2
Feb. 7	NMSU	110	110	1/2	A	4-2
Feb. 13	Arizona State Univ.			2/2	A	4-3
Feb. 26-28	HCAC			3/6		7-5

LOBO WOMEN'S SWIMMING ROSTER 1987

Lisa Ahlgren	free/fly	So.	Sweden
Shannon Beauford	free	So.	Anderson, SC
Susan Blakney	diver	Fr.	Seattle, WA
Amy Burgeson	free	Sr.	Albuquerque, NM
JoAnn Chatfield	diver	Jr.	Albuquerque, NM
Dusty DeLange	breast	Fr.	Albuquerque, NM
Susie Durkee	free	So.	Albuquerque, NM
Gorel Hagelin	breast/fly	Jr.	Sweden
Lori Haile	free	So.	Albuquerque, NM
Suzanne Jones	diver	Jr.	Albuquerque, NM
Laverne Lopez	back/IM	Jr.	Santa Fe, NM
Melanie Marshall	diver	Sr.	Albuquerque, NM
Karen Nixon	free	Sr.	Albuquerque, NM
Teri Sexton	free	Jr.	Albuquerque, NM
Karen Snyder	free	Jr.	St. Louis, MO
Sarah Spoehr	fly/IM	Jr.	Honolulu, HA
Wendy Williams	breast	Fr.	Las Cruces, NM

Coach: Bill Spahn

Dive Coach: Ron Piemonte

Assistant Coaches: Gordy Westerberg and Rick Thomas

All-Conference: Lisa Ahlgren (800FS relay, 400FS relay)
 Susie Durkee (800FS relay, 400FS relay)
 Suzanne Jones (3-meter diving)
 Sarah Spoehr (400IM, 500 Fly, 800FS relay)
 Karen Snyder (500FS, 200FS, 800FS relay, 400FS relay)

NCAA WOMEN'S TENNIS CHAMPIONSHIPS

INCLUDE ALL TOURNAMENT PLAY

CUMULATIVE TEAM RECORD

Institution THE UNIVERSITY OF NEW MEXICO Date 10/5/86

Date	Results (check only) NON LCST	Opponent	Score	Division (I, II, III, NAIA)	Cum. Record
3/4/85	✓	BELLEVILLE UNIVERSITY	6-3	I	1-0
10/10/86	X	U.T.E.P.	7-0	I	1-0
10/11/86	X	Lamar University	5-1	I	2-0
11/11/86	X	BYU	8-1	I	2-1
2/14/87	X	SOUTH PLAINS J.C.	7-2	JC	3-1
2/19/87	X	U. Of Houston	5-4	I	3-2
2/20/87	X	Baylor Univ.	9-0	I	4-2
2/27/87	X	U. of Arizona	9-0	I	4-3
2/28/87	X	Texas A&M	6-3	I	5-3
3/1/87	X	Oklahoma State	9-0	I	5-4
3/6/87	Y	Wichita State	9-0	I	6-4
3/7/87	Y	Weber State	5-4	I	7-4
3/8/87	X	New Mexico State	8-1	I	8-4
3/14/87	X	Univ. of Denver	9-0	II	9-4
3/17/87	X	Grand Canyon	7-2	NAIA	10-4
3/18/87	X	Arizona State	9-0	I	10-5
3/23/87	X	^{Mountain Tournament} Cal.St.Bak.	9-0	II	11-5
3/24/87	X	BYU-Hawaii	7-2	NAIA	12-5
3/26/87	X	Weber St.	5-4	I	12-6
4/2/87	X	^{Weber St. Tournament} Univ. Nev. Las Vegas	5-4	I	13-6
4/3/87	X	Idaho State	7-2	I	14-6
4/4/87	X	Utah	6-3	I	14-7
4/9/87	X	^{Roadrunner Invite} U.T. San Antonio	9-0	I	15-7
4/10/87	Y	Utah	6-3	I	15-8
4/10/87	X	U.T.E.P.	9-0	I	16-8
4/11/87	X	Grand Canyon	8-1	NAIA	17-8

LOBO 1986-87 WOMEN'S TENNIS ROSTER

Karen Currie	Sr.	Kansas City, MO
Chris Hoffee	So.	Shreveport, LA
Rachel Hostutler	Jr.	Corpus Christi, TX
Lilas Rajae	Jr.	Albuquerque, NM
Nancy Rath	Sr.	Omaha, NE
Denise Ready	So.	Albuquerque, NM
Ute Schroff	Jr.	Nurnberg, Germany
Jennifer Toomy	Fr.	Waynesboro, VA

Head Coach: Kathy Kolankiewicz

Conference Finish: 3rd

LOBO 1987 SOFTBALL RESULTS

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<u>DATE</u>	<u>OPPONENT</u>	<u>UNM</u>	<u>OPP</u>	<u>W/L</u>	<u>RECORD</u>	<u>HCAC</u>	<u>HOME AWAY/ NEUTRAL</u>
2/26	Adams State	7	0	W	1-0		H
2/26	Adams State	4	3	W	2-0		H
2/28	NMSU	3	5	L	2-1		A
2/28	NMSU	8	9	L	2-2		A
3/5	BYU	5	0	W	3-2		N
3/5	Univ of Toledo	0	3	L	3-3		N
3/6	Oklahoma City Univ	0	8	L	3-4		N
3/6	Minnesota	0	3	L	3-5		N
3/6	Michigan	3	10	L	3-6		N
3/7	Western Michigan	1	2	L	3-7		N
3/12	Northern Iowa	4	3	W	4-7		N
3/12	Iowa	4	0	W	5-7		N
3/12	Oklahoma	2	5	L	5-8		A
3/13	Witchita	1	3	L	5-9		N
3/13	Missouri	2	7	L	5-10		N
3/13	Texas A&M	0	5	L	5-11		N
3/27	UCLA	0	3	L	5-12		N
3/27	Santa Clara Univ	1	3	L	5-13		N
3/27	Oklahoma State	0	8	L	5-14		N
3/28	San Jose State	0	4	L	5-15		A
3/28	Central Michigan	2	0	W	6-15		N
4/1	Highlands Univ	7	0	W	7-15		H
4/1	Highlands Univ	8	1	W	8-15		H
4/4	Creighton Univ	2	5	L	8-16	0-1	H
4/4	Creighton Univ	4	7	L	8-17	0-2	H
4/6	Colorado State	2	1	W	9-17	1-2	H
4/6	Colorado State	4	0	W	10-17	2-2	H
4/11	Oklahoma	5	7	L	10-18		H
4/11	Oklahoma	1	10	L	10-19		H
4/12	Oklahoma	0	2	L	10-20		H
4/12	Oklahoma	SNOWED OUT			SNOWED OUT		
4/17	Utah	0	7	L	10-21	2-3	A
4/17	Utah	1	2	L	10-22	2-4	A
4/18	Utah State	1	14	L	10-23	2-5	A
4/18	Utah State	1	7	L	10-24	2-6	A
4/24	So. Florida	7	2	W	11-24		H
4/25	Texas A&M	0	3	L	11-25		H
4/25	Texas A&M	4	9	L	11-26		H
4/26	Arizona State	2	4	L	11-27		H
4/26	Arizona	0	6	L	11-28		H
5/2	NMSU	1	4	L	11-29	2-7	H
5/2	NMSU	1	2	L	11-30	2-8	H

LOBO 1987 SOFTBALL ROSTER

Liz Bogdanovic	Outfield	So.	Lyons, IL
Chris DeFant	OF - Pitcher	Fr.	Chelsea, MI
Jana Harrison	SS - 2nd	So.	Warren, MI
Karla Ismay	3rd - Catcher	So.	Tucson, AZ
Tracy Johnson	Pitcher - 1st	Fr.	Santa Ana, CA
Angela LoGreco	Catcher - Utility	Fr.	Carson City, NV
Lisa Longerot	1st - Utility	Fr.	Albuquerque, NM
Amy Minick	Catcher	So.	Arcadia, CA
Kristen Netherly	Utility	Fr.	Albuquerque, NM
Jenni Riley	Pitcher - 1st	So.	Long Beach, CA
Beth Unterbrink	OF - Pitcher	So.	Chelsea, MI
Janet Upham	3rd	Fr.	Los Alamos, NM
Leslie Upshaw	1st	Fr.	Albuquerque, NM

Co-Head Coaches: Susan Craig and Ken Johnson

All-Conference: Liz Bogdanovic 1st Team
Beth Unterbrink Honorable Mention

All-Region: Liz Bogdanovic 1st Team

LOBO 1987 WOMEN'S TRACK RESULTS

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			<u>Place</u>	<u>Record</u>
Feb. 21	NAU Invitational	Flagstaff, AZ	non-scoring	
Mar. 7	Tri-Meet Arizona State Texas Tech	Tempe, Arizona	2/3	1-1
Mar. 14	HOME MEET Adams State Western State College Colorado College - non-scoring NMSU - non-scoring	ALBUQUERQUE, NM	1/3	3-1
Mar. 28	HOME MEET Colorado State Wyoming Utah Northern Colorado	ALBUQUERQUE, NM	1/5	7-1
Apr. 4	Sun Angel Classic	Tempe, AZ	non-scoring	
Apr. 4	WICHITA STATE	ALBUQUERQUE, NM	snowed out	
Apr. 10	WAYLAND BAPTIST	ALBUQUERQUE, NM	1/2	8-1
Apr. 12	El Paso Invitational	El Paso, TX	non-scoring	
Apr. 18	LOBO - RADISSON INVIT. UTEP Colorado Texas Tech Utah State Lubbock Christian College - non-scoring	ALBUQUERQUE, NM	1/5	13-1
May 6-9	HCAC Championships Brigham Young Colorado State UTEP Utah Utah State Wyoming	El Paso, TX	2/7	18-2

LOBO 1987 WOMEN'S TRACK ROSTER

Darcy Ahner	Heptathalon	Fr.	Indianapolis, IN
Diana Baca	5k, 10k	Jr.	Albuquerque, NM
Debbie Berger	long jump/hurdles	Fr.	Thornhill, Ontario Canada
Rosalind Chambers	long jump/100m	Fr.	Albuquerque, NM
Annette Dilorenzo	long jump	So.	Albuquerque, NM
Dawn Eriachio	1500m, 3k, 5k	Jr.	Zuni, NM
Julie Farrer	800, 1500m	Fr.	Las Cruces, NM
Teri Florence	100m, 200m, 400m	So.	Albuquerque, NM
Monica Garcia	100m, 200m	So.	Albuquerque, NM
Sandy Gomez	high jump	So.	Albuquerque, NM
Yvette Haran	3k, 5k, 10k	So.	Albuquerque, NM
Michelle Harrington	shot put/discus	So.	Albuquerque, NM
Cindy Herhahn	1500m, 3k	So.	Albuquerque, NM
Tina Hodge	400m	So.	Albuquerque, NM
Quen Johnson	400m	Sr.	Albuquerque, NM
Susan Jordan	400m	Sr.	Albuquerque, NM
Alisha King	800m	Fr.	Albuquerque, NM
Laurie Larson	3k, 5k	So.	Albuquerque, NM
Ida-Lise Leyba	1500m	Jr.	Albuquerque, NM
Catherine McKinney	400m, 800m	Fr.	Albuquerque, NM
Karen Ogas	200m, 400m	Fr.	Albuquerque, NM
Pam Posey	100m, 200m	Sr.	Albuquerque, NM
Deanne Randal	shot put	Fr.	Bayard, NE
Michelle Richardson	400m hurdles	Sr.	Albuquerque, NM
Carole Roybal	1500m, 3k	Sr.	Albuquerque, NM
Trish Shoemaker	javelin	Sr.	Albuquerque, NM
Tara Spurlock	long jump	Jr.	Albuquerque, NM
Xochitl Tellez	100m, 200m	So.	Las Vegas, NV
Tonia Thompson	100m hurdles/ triple jump	So.	Albuquerque, NM
Lisa Valle	1500m, 3k	So.	Alamogordo, NM
Kim Werner	high jump	Sr.	Garden City, CA
Gwen Willnik	800m	So.	Corrales, NM
Dodi Zamora	3k, 5k	Jr.	Albuquerque, NM

Head Coach: Mike MacEachen

All-Conference: Pam Posey (100m, 200m, 4X100 relay)
 Tonia Thompson (100m hurdles, 4X100 relay)
 Catherine McKinney (4X100 relay)
 Tina Hodge (4X100 relay)

UNM African-American Information and Student Services
Activities Report, 1986-1987
Johanna "Juba" Clayton, Director

Introduction

Each year we look forward to the process of preparing the Annual Report with both anticipation and dread. This year the staff had more reason to view the experience with those feelings, as they were called upon to write their own accounts of the year, including preparing the statistics and their own assessments of the personal effects of the year's work on themselves. We feel that, just as they did all year, they responded to the call with excellent performances, for this performance, the staff deserves a Bravo for a job well done.

African-American Information and Student Services (AAISS) is an office with a small staff; two full-time positions, a half-time position, and two work-study students. For much of this year our program functioned with only one work-study position filled. With this staff a great deal was accomplished. In this third year of our reorganization process, we successfully established our new programs, introduced students to our new location, conducted a number of staff training and planning seminars, and began the process of reorganizing our office information and management systems. In the beginning of the year we were called upon to fill many office functions for the

Afro-American Studies department, due to their secretary's extended illness. We handled the physical and logistical function of the move from the old offices, covered all the office reception duties for over one-third of the year, created, designed, and developed the public relations program that introduced our new location to the campus and the community. We mention this to identify and acknowledge the facts of the tremendous work load the staff accomplished. We are proud of the work we've done. In this process of reorganization and the creation of a new and distinct identity, it is important that we take credit for the real work we've done. It is important for the African-American Information and Student Services is creating new ground in delivering real, concrete services, information and training in establishing an environment that aids African-American students in overcoming the difficulties racism, sexism, and homophobia create. It is important that we pass on healthy and empowering strategies, skills, and tools that will allow them to succeed professionally and personally. It is important also that potential and current students know there is a welcoming empowering force at UNM that is vitally concerned with their success.

Summary of Activities

Whew! I am looking over the list of projects AAISS co-sponsored with Newchild Productions, and I am just amazed at our journey.

Last fall we began our MEDIA PERFORMANCE WORKSHOP with "The Black Experience" television show. Juba Clayton and Bill Smith put their heads together and decided that UNM students needed access to African-American cultural tools. The thesis for "The Black Experience" was designed with the idea of sharing some of the African-American survival tools with the New Mexico community.

New Mexico is frequently called the tri-cultural state. We have been here since Estaban--why is it that no one knows our name? On "The Black Experience" we explore culture as a way to heal and empower ourselves and our communities. The first fall episode, "Women and Literature", examined writing as a healing process. Many will remember the two-part series on the Blues. We looked at our use of music to help us deal with stress (being Black in a non-Black environment), or to lift us out of depression. We can use the Blues to fight the blues, whether we use Billie Holiday's smooth blues or the National Down Home Blues artists' rural blues. Dramatist and storyteller Linda Piper explained to us that cultures benefit from each other's differences. Our differences provide us with options and resources. And finally, O.J. Ekemode explained that entertainment is not the primary purpose of Afro-Beat music. Again, like the African-American institution--the Blues, the purpose of Afro-Beat music is both therapeutic and spiritual. Music acts as a communal bond connecting the act of everyday

life with the spirit of creativity that transforms drudgery into celebration. In celebration, bonding and identification with the performers allows the release of stored tensions, anxieties, and animosities.

Newchild Productions and AAISS co-sponsored O.J. Ekemode and his band, The Nigerian Allstars for a performance with ASUNM Popular Entertainment Committee and KUNM radio. The UNM SUB Ballroom was packed to overflow on the night of the concert.

Our journey of exploring African-American culture as a tool of healing and empowerment carried us into the winter of 1987 and the Dr. Martin Luther King, Jr./Black History Month Celebration. Our offices displayed a photo collage of Dr. King's life and showed noontime films concerning his work. The Dr. Martin Luther King, Jr./Black History Month Celebration falls within our THEATER PERFORMANCE WORKSHOP season. In addition to the Dr. Martin L. King, Jr. display and films, we dedicated the African mural, "Masai Mother", created by the nationally acclaimed artist and sculptor, Fred Wilson. The mural dedication coincided with the Grand Opening of the UNM African-American Art Gallery in the AAISS office. The gallery will change exhibits every few months and will spotlight local and national minority and women artists.

The "Masai Mother" is a three-dimensional mural of clay, stained glass, brass, and feathers, dedicated, according to Fred Wilson, "to the beauty of living". Fred Wilson donated the mural, valued at \$6,000.00 to the AAISS office as a permanent part of their gallery collection.

The remaining three events during the THEATER PERFORMANCE WORKSHOP included a free community performance of Lorraine Hansberry's play, To Be Young, Gifted, and Black at the South Broadway Cultural Center, and one performance at the UNM SUB Ballroom.

On February 21, Women In Movement In Newmexico sponsored Casselberry and DuFree with Toshi Reagon and Annette Aguilar in concert at the KIMO Theater to benefit Newchild Productions. Black History Month closed with an informative speech by noted sociologist, Dr. Harry Edwards at UNM's Woodward Hall.

The cycle of cultural discovery, identification, and empowerment continued for me while taping the After Schol Academy.

The teachers, aides, students, and video crew that participated in the 1987 After School Academy realized this important cycle of cultural discovery, identification, and empowerment. The ASA students reinforced their academic skills and cultural foundations by participating in African-American culture. We all learned through ASA that it is truly awesome, "To Be Young, Gifted; and Black".

Those of you who were able to attend any of these events participated in using African-American culture, communication, and education as tools for empowerment and healing. These previous events illustrate that we cannot be empowered without our music, our art, our vision, and our perspectives. In short, we need our culture!

Ajay Revels

MEDIA PERFORMANCE WORKSHOP Production Manager/Intern

Visual artist/Poet

Researcher

MEDIA PERFORMANCE WORKSHOP

In August, 1986, I came to the African-American Information and Student Services division in order to contact Juba. I left her a short note explaining that I was returning to school and that I wanted to explore African-American culture, the arts, and humanities. After meeting briefly with Juba, I was hired in a work-study capacity as receptionist/MEDIA PERFORMANCE WORKSHOP intern. At the time I really did not comprehend what my internship involved. In addition, the notions of unconditional positive regard and developing a community mental health model based on African-American culture were foreign concepts to me.

My dual positions required me to spread myself between office duties; phone answering, sorting mail, typing, calling student services contacts, and video internship duties; script organizing and typing, taping on-location interviews, gathering photos and audio tapes, dubbing video tapes, contacting guests, collecting set materials, preparing hosts and guests for taping and shuttling scripts and tapes to and from KOAT-TV, Channel 7.

As the Assistant Production Manager in the MEDIA PERFORMANCE WORKSHOP, I was in training to take on the responsibilities of producing our public affairs television program, "The Black Experience". To this end I occupied the roles of assistant floor manager, and assistant script writer and researcher.

Later in my training I learned the technical skills of lighting and camera work. A large portion of my MEDIA PERFORMANCE WORKSHOP training involved documentation of AAISS sponsored or produced activities.

While training as an intern with "The Black Experience", I worked on many other projects. In October, 1986, I participated in the Governor's Career Development Conference for Women in State Government as aide and stage manager for Juba Clayton. In November, we began the training workshops and rehearsals for the Lorraine Hansberry play, To Be Young, Gifted, and Black. It was my responsibility at this time to document the rehearsal process. The play rehearsals carried me through February and overlapped with the Dr. Martin Luther King, Jr./Black History Month Celebration events. The last show of "The Black Experience" aired in December 1986, and brought this aspect of my training to a close.

1987 began with a bang. January and February are recognized as the Dr. Martin Luther King, Jr./Black History Month Celebrations. For this time period I designed and completed a seven-panel photo collage of Martin Luther King, Jr.'s life and work as a civil rights activist. The Dr. Martin Luther King, Jr./Black History Month Celebration exhibit included four(4) noontime films, a book display, posters and a notebook of collected articles illustrating MLK's life. In March I showed a series of films or videos that dealt with varied aspects of African-American life. We were also honored to be

visited by a touring African-American youth choir from Alabama. I presented for them an introduction and overview of the services we provide on campus. Harold Pope of the Office of School Relations explained to them UNM admissions policies and procedures and encouraged them to consider UNM as their choice for their university educations.

In early April a man raped a woman in the women's room at the Fine Arts Center here on campus. She was waiting to pick up a friend after a performance in Popejoy Hall. Rape and fear of sexual assault are realities that affect all women in our society. Stiffer prison sentences may be one option in combating assault on women, but primarily, individual attitudes must be changed. No viable solution to rape and sexual assault will develop until men take a larger role in education and preventative counseling. To this end I organized an action to bring this issue out of private conversation and into public awareness. I also participated in a call-in show on KUNM radio to discuss sexual assault on campus and in the society at large. In conjunction with the Albuquerque Rape Crisis Center during the observation of Sexual Assault Week, I showed an informational film about date rape, Someone You Know. In May, I wrote a review of the previous season for the African-American Voice From the Desert journal. And finally, during the fall and spring semesters I was invited to speak to three Health Education classes about gay and lesbian sexuality. This was a full schedule considering that I was also a full-time student, and continued to document AAISS and community activities.

As I stated above, a large part of my MEDIA PERFORMANCE WORKSHOP training involved documentation of AATSS sponsored, co-sponsored, or produced activities. These included the following: To Be Young, Gifted, and Black rehearsals and performances, O.J. Ekemode and the Nigerian Allstars interview, an interview with African-American artist Fred Wilson during the dedication of mural, "Masai Mother", interview, rehearsal, and concert footage of Casselberry & DuPree, Alabama youth choir presentation, Jackie Parton's performance, "From Gospel to Pop", Nancy Gibson performance, Dr. Harry Edwards' speech, the After School Academy summer program staff training, class sessions, rehearsals, and graduation performance, Juneteenth "Freedom Day" Celebration folktales, and finally, the PUBLIC EDUCATION PERFORMANCE WORKSHOP staff training and planning retreat. Our video program documentation is an on-going feature of our information library.

As a student/MEDIA PERFORMANCE WORKSHOP intern/visual artist, my participation in this intense training period left me depleted, but enriched and empowered. At the onset of my journey I could not have foreseen the situations that would inform my understanding of African-American culture as a healing and empowering tool. I learned that African-American culture is neither an embarrassment nor a party perk. I learned that to be in the presence of African-American culture is to be acted upon and invited to participate. Video was the vehicle that allowed me to participate by being present, by

being attentive, and by being receptive. I learned the value of repeating important messages verbally, and visually, and theatrically. African-American culture as a healing and empowering tool bears repeating. After all the wonderful training and experience I received, I am exhausted. I am entering the 1987-1988 school year with an eye to sane and realistic planning.

Yvonne LaCour-Malloy

PUBLIC EDUCATION PERFORMANCE WORKSHOP Production Manager

AAISS Department Secretary

Stage Manager/Office Manager/Writer/Artist

PUBLIC EDUCATION PERFORMANCE WORKSHOP

The 1986-1987 year is now over. With the reorganization of 1987, came new responsibilities for all the staff of AAISS. My new responsibilities included being Production Manager for the 1987 PUBLIC EDUCATION PERFORMANCE WORKSHOP. The PUBLIC EDUCATION PERFORMANCE WORKSHOP covers the major core of the programming we offer at the African-American Information and Student Services. It includes the After School Academy Youth Training Workshop, the African-American Voice From the Desert journal, the Mary McLeod Bethune Resource Library, and the UNM African-American Art Gallery. This Performance Workshop season runs from April, when our planning begins, to August, when plans are starting for the MEDIA PERFORMANCE WORKSHOP season. My year-round responsibilities include Office Management, Production Manager for the African-American Voice From The Desert journal, work-study supervisor, and all the responsibilities included in being Department Secretary for Johanna "Juba" Clayton. This, as you can see, takes up every one of the eight hours in a day, and sometimes more than eight hours.

During the THEATER PERFORMANCE WORKSHOP season, my duties included being office manager and stage manager for Newchild Productions, who produced our major performance of the season of Lorraine Hansberry's To Be Young, Gifted, and Black. I

also was required to maintain regular hours at the AAISS, and coordinated the Dr. Martin Luther King, Jr./Black History Month Celebration activities, scheduling of rehearsals and locations, coordinating cast, crew, and publicity for the performances, and was liason between the City of Albuquerque/South Broadway Cultural Center and AAISS/Newchild Productions. I coordinated and planned a Valentine's Day Dance in cooperation with the UNM Black Student Union, which followed the performance in the SUB Ballroom. This meant arriving at the SUB Ballroom at 5:00 PM, for cast call, stage manage the major performance of To Be Young, Gifted, and Black, coordinate with the DJ to set up the dance in the North Ballroom, and supervised the dance itself by collecting admission at the door. This dance also served as a recruitment vehicle for the university, as enrollment and informational brochures on UNM were given to all who participated. This was accomplished with the assistance of Harold Pope from the Office of School Relations. This dance concluded at 1:00 AM, with my mixed feelings of exhaustion and exhilaration.

The 1987 After School Academy was the best year we have had so far. With our continued diligent planning, the Academy consistently gets better every year. Our planning and preparation was so complete for this, we are now going to use this model of planning for all our programming. It has proven itself to work effectively for all of us, from the Director to the instructors, to the children we serve and their parents.

Our first journal, The African-American Voice From The Desert was the culmination of three years of dreaming and planning for the staff. We now have a circulation of over 800, and are constantly in the process of keeping our mailing list updated and current. We are now able, therefore to inform the UNM African-American student population, the University and the Albuquerque African-American community of our upcoming plans and calendars, and review past projects and events. This saves time, energy, and money because we now can incorporate all the information and news from our division and that of African-American Studies Department into one complete project. In the past, individual mailings were sent for every event and project, resulting in high postage and duplicating costs, and staff time and availability. This effort results in a more professional and concise product from our division, and allows for increased writing creativity for the staff. Included in this first issue was the application for the 1987 After School Academy, and information concerning ASA schedules, curriculum, instructors, and general information about the After School Academy. Also included was a calendar of summer activities, a review of the past THEATER PERFORMANCE WORKSHOP, an editorial, and an excerpt of a play written by a 16 year-old participant of the After School Academy.

The After School Academy program represents the core of our programming here at the African-American Information and Student Services. What began as a recreation program, has now

blossomed into a one-of-a-kind, academic, early intervention, recruitment vehicle for the university. All of our instructors are certified Albuquerque Public Schools teachers with a reputation in the public schools as being inspirational motivators of children. Their dedication to their craft exceeds that of most teachers today. This is proven by their year-round commitment. They have gifts which few teachers possess and all teachers wished they possessed.

Every year the After School Academy gets consistently better in every way. As stated previously, our planning was simply impeccable. We had to reduce the number of children accepted to the program this year due to budget restraints and space limitations, and we got by with very limited resources. The reduction of class size did have its advantages for the students, however, and we will continue along these same lines next summer. With the assistance of the Summer Youth Employment Program, we were able to obtain three (3) additional staff members at no cost to the program, whose contributions were very valuable to the staff, as well as the program participants. These youth also received valuable work experience, and enjoyed the program and their contributions to the organization. Two of the participants, Tracy Frederick and Chauslon Houston received awards for their excellent work attendance and outstanding evaluations.

The After School Academy curriculum this year consisted of three classes; music, drama, and a reading/writing class. There was no emphasis in mathematics this year with the

exception of the math concepts applied to music. Considering the short time span of the program, (three weeks) the students absorbed a tremendous amount of information while have a wonderful time. Children learned to read music and perform music on recorders, xylophones, and ukeleles. The music instructor is a professional music teacher in the Albuquerque Public Schools and in the private sector. Her experience spans 20+ years. All of her own children (she has five) are high achievers, which is reflective of her inspirational outlook on life which she instills into all the children she comes in contact with.

In keeping with our theme, "To Be Young, Gifted, and _____", (the children were encouraged to fill in the blank with the words of their choice) the drama class rehearsed and performed scenes from Lorraine Hansberry's A Raisin In The Sun. Some students performed song and dance numbers, while others performed dramatic readings of their own creation and expression. Our drama instructor is a Special Education teacher with the Albuquerque Public Schools, and is a dynamic singer and very versatile actress. She brings all of these talents to our students while making them realize the full extent of their own abilities and talents, resulting in a improved sense of self-esteem and self-image in every student she touches. And she touches them all.

Both the drama and music classes reinforced reading and writing skills which were further explored in the academic

portion of the After School Academy. This reading/writing class explored students' skills by allowing them to create their own newsletter. The youngest participants learned to read for the first time, and other students completed reading and writing exercises which encouraged expression and positive self-disclosure. The academic instructor is a graduate of the UNM College of Education. She has a reputation of being an excellent motivator of children, which has been clearly proven by her work with children other teachers considered as "problem children". She is a miracle worker without doubt.

Yvonne Mallory
Afro-American Studies
University of New Mexico
Albuquerque, NM 87131

July 10, 1987

Dear Yvonne,

Bravo for the After School Academy. Jeffrey still goes around the house singing, "To Be Young, Gifted and Black." Participating in the program gave him a new sense of what it means to be Black and an appreciation for how people of diverse ethnic backgrounds can work together lovingly.

The finale was magnificent. My friends and I laughed, cried and sang our hearts out. A far cry from the usual children's performance where one endures with one eye on a watch and the other on the stage.

The After School Academy is what all education should be about: growing, sharing and creating the possibility of a better world. I hope the University continues to support your efforts. In fact, I hope ASA grows and prospers.

Finally, I want to apologize for failing to meet my parental obligations as a volunteer during the three week session. It wasn't negligence; I just didn't know how I could contribute to what appeared to be a smooth running operation. I'd be glad to offer my services in any capacity which would help the ASA: editing grant proposals, brochures, fund-raising letters, anything but acting.

Please extend my thanks to the entire staff of ASA. And don't forget to put Jeffrey's name down for next year's program.

Sincerely,

Nan Elsasser
Nan Elsasser

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THEATER PERFORMANCE WORKSHOP

English As a Second Language

by M. Mariah Richardson

"My Black English use to roll off my tongue rhythmically, like a heavy rain in its' synchronized fashion. With romance I was not even aware of. Hey, like I be thinkin with my Black self that shit. I be wonderin why them teachers be sayin that I can't talk when my words are electric - Like me. So me and my friends spoke it in secret. In the privacy of our homes. And in school we learned that "you can't be not doin nothin, cause that's a double negative". Now my English is proper and polished. But I cannot hold a decent Black conversation without stammering in search of words."

The preceding poem was written by a Black UNM Alumni. It is reflective however, of the confusion and isolation many current Black students feel. Our Black students today appear to more easily accept the inevitability of some degree of assimilation in education and in that acceptance find themselves faced with identity conflicts, and with problems of low

self-esteem. Problems which negatively affect these students' ability to succeed academically and personally at this university.

The THEATER PERFORMANCE WORKSHOP was designed to address African-American students' communication concerns as they related to class or public presentations, issues of being the only Black in the class and the indubious distinction that brings, and to cultural isolation and cultural ignorance on campus.

This workshop consisted of six-weeks of training in basic communication skills, i.e., breathing, voice, diction, and oral presentation. Vocal and speaking exercises were designed to encourage public performance, speaking confidence, and positive self-disclosure.

The performance/production portion of the THEATER PERFORMANCE WORKSHOP consisted of training in theater production, i.e., acting, technical design, and stage management, and it culminated in campus and community public performances of the play, To Be Young, Gifted, and Black. This play was chosen as the performance piece primarily because we believed it to be an effective cultural and educational tool for both Blacks and non-Blacks, and because it dealt, very directly, with the issues of Black identity and cultural assimilation while presenting an excellent positive role model in the character of Lorraine Hansberry.

Because of its varied and inclusive composition, the THEATER PERFORMANCE WORKSHOP might be summarized as an African-American based, interracial, interdemoninational, intergenerational, cross-sexual, educational, creative, therapeutic experience, based on the concept of Black love. This performance workshop process successfully integrated education, therapy, and communications art as a way of addressing Black students' concerns relating to identity conflicts and low self-esteem. By presenting a more accurate representation of the Black experience, the public performances served as effective campus and community educational tools.

My personal impressions as producer, director, and therapist for the workshop are favorable overall. Our programmatic goals were accomplished. Basic public speaking skills were learned and/or reinforced and demonstrated by all participants, our self-esteem was also improved as a result of participating in a successful production, and a greater sense of community resulted from the performances creating an additional positive social and educational outlet for the community.

Participants' impressions are illustrated on the attached card presented to me by the cast and crew of the production following the performance in the UNM SUB Ballroom. (see attached card)

Deborah Carter

June A. Carter
1987

Michelle
Ray
I love you!
KAT
"87"

Edwin Rankin

Angel Kelly Carter

Rich M
Jeannine

Charles
Ellen

Courtney
Bauer

John
Palmer

Thomas King
(Luz VA)
Patricia

Barbara Brust



Tuba -

How can we explain -
But you, you reminded us that we were
Good, beautiful and love.
It is because you have allowed us to know these things
that we wish for you to continue creating for
years + years + years!

Thank you for your endurance, your
vitality, your strength, wisdom, and
most of all Courage!

Lorraine Hansberry wrote:
"A Classical People Demand a
Classical Art."

The more
I know the
more I
respect
and admire
you

Thank you - Thank you - Thank you!

Matthew
McKell

Joseph

William T. Smith

Assistant to the Director

Organizational and Program Development and Staff Training

Technical Director/Newchild Liason

Artist/Writer

ORGANIZATIONAL AND PROGRAM DEVELOPMENT AND STAFF TRAINING

Three years ago, when I began working with Afro-American Student Services, there was no clearly defined organizational focus or direction to the activities, programs, and services the office was operating. This was a situation inherited by the Director as a result of the confusion that accompanied the separation of the two offices, Afro-American Studies and Afro-American Student Services. She had been attempting for three years to bring order out of chaos while maintaining a level of services that would keep African-American students in school and encourage prospective students to come to school here. She realized she needed assistance and felt my background in this area (eighteen years in consulting universities, schools, non-profits, and small businesses) could be of great assistance. So she hired me as a consultant and struggled to have me hired part-time. This began the process of the creation of our new identity and our current reorganization. My mission was to develop from the available resources, sophisticated programs that met students' needs in a cost effective way, to create a management system that was accessible, manageable, and flexible, and would interface between the bureaucratic structure of the University and the culture and experience of

African-American people, to incorporate and develop access to media resources including video and computer-based systems and develop programs that would train both student and staff in their use, to design and develop a staff training program that would reorient projects and activities from a costly direct service model to a humanistic, student accessible program service model, and finally, to act as her assistant in any way that would facilitate accomplishing the office's mission and goals. Many times I asked myself what was I doing here and why. This year the products of my efforts have begun to concretely answer that question. The production managers' accounts are the result of collectively dialectically arrived at solutions. The director's therapeutic approach of using humanistic psychotherapeutic principles with theater techniques, blending with my own experientially derived organization, programmatic staff training models have facilitated the process of training and accomplishment evidenced in the success of the projects and programs. After two major theatrical productions and over 12 smaller ones, three seasons of actual television shows, and countless hours of video program documentation, numerous staff training seminars, and individual staff counseling and instruction hours, over a three year period, we are close to the goal. I cannot over emphasize the value and effectiveness in management training that mounting the theater productions have to staff and students, nor can I minimize the

personal and professional growth of all participants resulting from the sensitive, humane methods of the Director's therapeutic approach. These resources made my work much easier and very personally rewarding. Our performance workshop model, which is the result and creation of the training methods noted above, is an effective mental health tool in the empowering, healing, and education of African-American students. Our relationship with Newchild Productions gives us extended use of media, video, computer, and theater equipment that our office could not afford, our office management and information system provides a means for us to act as advocates, ombudsmen, and liason between students and the University bureaucracy. Our Public Education programs, including our support of the After School Academy, are creating a welcoming African-American presence on the University of New Mexico campus.

African-American Information and Student Services

Proposed Activities, 1987-1988

Introduction to 1987-1988

This year, the fourth in our development of our new identity and reorganizational efforts, will be focused on expanding on the success of our program models, further developing and defining our own identity, and improving our liason services for African-American students with other University divisions, departments, and offices. This will entail; extending the performance workshop programs into full student service programs, developing a clearer, more separate identity between ourselves and African-American Studies, so that our programs, projects, and services are not confused with theirs, and the re-design and new publication of the African-American Student Survival Guide.

In calling special attention to our creating a clear and separate identity for ourselves, we want to demonstrate and reinforce the importance and need of the concept of Student Services, especially for minority students. Our attention was called to this need by one of the vice-presidents, who had the mistaken notion that the After School Academy was a program of the African-American Studies, when it is our time, work, and effort with Newchild Productions that are solely responsible for all aspects of producing and administering the program. We feel it is important for people to know and hold us accountable for our efforts.

We believe this coming year's programs and directions will be as fully successful and dynamic in attracting positive University and public attention to our efforts. Most importantly, we feel the continued extension and expansion of our efforts will continue to provide an environment for African-American students that will encourage them to attend and remain at the University of New Mexico.

We want to also express our sincere regret in announcing the resignation of Ms. Yvonne LaCour-Malloy. Yvonne has been of crucial importance and significance in the success of our programming. Her efforts on behalf of students will be very hard to replace. Her office management skills not only were important to us, but she also greatly assisted Afro-American Studies through its' times of no secretary. She distinguished herself as stage manager of almost all of our productions, and could read and decipher all of our illegible handwriting. Her enthusiasm and positive attitude was the difference in turning many of our ideas into reality. We will miss her.

MEDIA PERFORMANCE WORKSHOP

Proposed Program and Activities, 1987-1988

The MEDIA PERFORMANCE WORKSHOP is about African-American education and empowerment, founded within the structure of African-American cultural traditions which allows learning and teaching to occur simultaneously as students and teachers change roles and perspectives through the use of all forms of

media. Video specifically, is a tool that is widely accessible. Video takes exclusive access to the electronic industry away from media professionals and allows popular exploration. Creating imagery has always been powerful, and video as a community mental health tool allows individuals to experience the empowerment of image creation and control.

As manager of the MEDIA PERFORMANCE WORKSHOP, my projects for next year will be to complete the scripting and recording of the African-American Voice From The Desert Public Affairs Television program by November, document the planned video discussion group meetings, and edit a video piece for public relations distribution. I will document the next staff training and planning retreat in November, and the remainder of my time in office will be used to compile research material for in-house use, maintain my correspondence and networking on campus, and provide program and special events documentation for the remainder of the year.

The Black Experience television program will be changing its' name and production format this year. The changes include: the name will change from The Black Experience to the AFRICAN-AMERICAN VOICE FROM THE DESERT. This is to reduce the number of different names for our projects and to indicate to the campus and the public, that changes will be forthcoming in the program's format. A second change is that productions will be pre-produced, using campus facilities. A third change is, that the program has become a student laboratory in public affairs

television production. The fourth change is the program will air on KOAT-TV, Channel 7, from January through March, tentatively.

A new project for the MEDIA PERFORMANCE WORKSHOP will be our video discussion groups, which will be eight (8), one-hour meetings for students to discuss issues of importance to them, locally and nationally. It will include a taped presentation with discussion following the presentation. This process will be video documented.

Another project that has been waiting for a more complete development of our reorganization process, is a video public relations tool that explains our programming for use on campus and off. We will continue to document all of our staff training and planning sessions, and any other projects and special events through the year.

We will be conducting a series of eight (8) discussion groups, much like the video interaction discussion groups mentioned, where we will invite local theater artists to discuss their experiences in managing and mounting productions, developments of scripts, and handling publicity. We will co-produce several shows and productions with the Black Student Union and community organizations during the Dr. Martin Luther King, Jr./Black History Month Celebration periods.

THEATER PERFORMANCE WORKSHOP, 1987-1988

The 1987-1988 THEATER PERFORMANCE WORKSHOP includes extending the THEATER PERFORMANCE WORKSHOP as a student service. This year our focus will be on aiding students in expressing their

ideas, desires, and questions through mastery of theater and production management skills. We are extending the student services aspect of the THEATER PERFORMANCE WORKSHOP into the administration and management areas in much the same way that we have done with our MEDIA PERFORMANCE WORKSHOP. (see section of Media Performance Workshop) We believe that aiding students in management and organizational skills will positively impact their process of creating their own identities and empowering themselves through knowledge and expression.

The lessons I learned from last year's experience are too numerous to mention, therefore I will name only the primary ones which will be immediately incorporated into next year's THEATER PERFORMANCE WORKSHOP plans. Firstly, advance planning was without a doubt, the key ingredient to this year's success and even more time will be given to this process. There will be a screening process for participants to determine levels of need and there will be a limit on the number of participants in the workshop. Special attention will also be given to group and individual "close-out" in our effort to address participants' difficulties with separation from the process.

We will be conducting as mentioned in the above section on MEDIA PERFORMANCE WORKSHOP, a series of eight (8) discussion groups tentatively scheduled for March and April, where local African-American theater artists will be discussing their experiences, process, and ideas around theater management, theater as a tool for self discovery, and theater as a tool for

community education. And as mentioned above, these discussion groups will be video documented.

Office Management and Information Systems

This year, in the office management and information systems, we will develop and publish the publication, African-American Student Survival Guide, which will include information about our office procedures and how to obtain the needed services and other valuable information needed by African-American students to successfully handle questions stimulated by their presence on the University of New Mexico campus.

We have been realizing that many students who come to us from the work-study process are often students in need of assistance in other areas. We are using those positions to educate and train them not only in proper office procedures, but in management techniques, information process, program design and planning, and publishing and public relations skills. We will continue to extend and expand these efforts this year.

In understanding and realizing the value of training students in information production and publication skills, and gain from the experience in our MEDIA PERFORMANCE WORKSHOP intern program, we are making this section of the program a full training and internship program. This section of the PUBLIC EDUCATION PERFORMANCE WORKSHOP will include developing our front office as a publication center, training in library and research skills, and creating a system for introducing other students in our other training and internship programs.

For the Mary McLeod Bethune Resource Library, we will be exploring and developing a plan for a donation to the Tireman Library of the UNM College of Education, of a section on African-American childrens' literature. We will be developing in the office, a documentary library covering issues of interest and importance for African-American students at UNM.

The UNM African-American Art Gallery will open in January with works from local African-American artists, and selected pieces of student art. This will be a continually changing show through the end of June, 1988.

PUBLIC EDUCATION PERFORMANCE WORKSHOP
Proposed Program and Activities, 1987-1988

The African-American Voice From the Desert, the co-produced journal of our office and Newchild Productions will be published three times this year, and the Spring publication will include the African-American Student Survival Guide, and much of the cost will be donated by Newchild Productions.

The After School Academy will remain within the structure implemented this year. As recommended by all production managers, more time will be devoted to planning and training. In response to the older After School Academy students' request to have a more responsible role in the program, they will be given a larger role in the development of the younger childrens' program, and more independence in their own creative endeavors.

We feel that many of the participants of the After School Academy have grown with the program, creating a need to accomodate their increased self-awareness. These older students have made

this request, and it must not be ignored. They should be allowed to assist the younger students in their growth, and encouraged to express their own ideas and creativities within the secure and loving environment of the After School Academy. These older students, therefore, should be given opportunities to act as teacher's assistants or junior aides, creating an atmosphere where mentoring activities and relationships will abound. If this can be accomplished, we will be creating our own positive role models for our own children, and this will make it much easier for the younger students to see their own futures and current successes more clearly. The older students will learn more responsibility and leadership skills, and will feel confident in using these skills. They will develop an increased caring and nurturing outlook and attitude and see how the positive regard for each other creates many, many satisfactions and rewards. They will be able to express themselves more freely, creating an even greater sense of self-esteem and the courage to endure.

CONCLUSION

After reviewing our last year's activities, and information and news about African-American students' problems throughout the country, we would be terribly remiss in our duties as advocates for African-American students not to address the questions of resurgences of racism on this nation's campuses and on our own. Our office was involved in four (4) incidences where students identified racism as a cause of serious difficulties

for them. The University is engaged in a number of suits in which racial discrimination is the issue. The image projected by these incidents and events to the African-American community of New Mexico is that the University of New Mexico is a racist institution. This image is a very difficult one for our projects to counteract and creates serious problems in our efforts to encourage African-American students to enter and remain at this institution. We will be discussing with the various departments of the Student Services Division, means and strategies that will address this very crucial issue.

We are seriously considering how we can encourage the implementation of the following policies on our campus. These recommendations were taken from the September, 1987 issue of Ebony magazine: + Reversing the policies of the current administration. Dr. Wilson says since 1981, the administration has "consistently been opposed to increases in federal financial aid for low-income and disadvantaged students."

+ Establishing closer links between colleges and secondary schools. William H. Sherrill, dean of admissions and records at Howard University, says Black youths must get early exposure to colleges and universities, because he says, by the time a person gets to be a junior or senior in high school, it's almost too late.

+ Making sure students are academically and financially prepared for college. Dr. Ayers says too many students coming out of high school do not have the skills to make it in college at a time when some institutions are raising their admission and academic standards. Edley adds that high school counselors

must do their part by giving Black students proper guidance and making them aware of all the options available for financing their educations.

+ The selection of the "right" college by students. "What the Black student has to be aware of," says Ms. Pointer, "is whether or not a campus is going to provide the kind of services they need, where they can be academically successful. They should make sure the environment is a positive one for them."

+ Serious attempts by predominately white institutions to quell racism if it exists. Edley says the problem of hostile environments "is not just a matter of physical activity, such as the rash of incidents we've seen recently, but also more subtle forms of hostility." He says White campuses must be committed to friendlier environments, "similar to what Black colleges have provided over the years."

+ Helping students stay in college once they get there. A large number of Black students drop out their first year, and one way to prevent the problem is to provide them with adequate support services in financial, academic, and other areas. Programs must also be instituted to encourage Blacks to enter and stay in graduate school

+ Getting the Black community more involved in the education of its students. From parents to concerned citizens, Blacks must take action at the local level. That involvement can include running for school boards, serving as mentors, sponsoring internships and contributing to scholarships.

+ Making Black youths understand that they must return to the Black tradition of excellence and determination, which emphasizes higher education as a tool for survival.

In order to reverse the alarming decline in Black college students, such steps must be taken immediately, before another generation of young men and women is kept from entering the mainstream through the door of higher education. The future of Black America depends on it.

African-American Information & Student Services Totals, 1986-1987

1. Average African-American student enrollment	495
2. Number of student participants in the Black Experience	6
3. Student Counseling & Therapy	
4. Organizational Development & Planning	
5. On-campus committee time	
6. Off-campus committee time	
Total Hours	1,005

Office Management & Public Relations Totals, 1986-1987

1. Open House attendance	110
2. Mary McLeod Bethune Resource Library Dedication attendance	97
3. Welcome Back Days Training & Planning Total Hours	76

African-American Voice From The Desert Journal

1. Circulation total	808
2. Planning & Production Total Hours	83

UNM African-American Art Gallery

1. Grand Opening Attendance (app.)	110
2. Donated Art Work - Title, "Masai Mother", mural	
a. Value	\$6,000
3. Length of Exhibit	5 mo.
4. Number of works	9

After School Academy Totals, 1986-1987

1. Total number of student participants ages 5-16	75
a. Total on waiting list (not accepted)	38
2. Total number of instructors and assistants	12
3. ASA parents who are UNM students	16
4. ASA parents who are UNM staff/faculty	9
5. Current UNM students who are former ASA students	11
6. Total returning participants	68
7. Total new participants (off of waiting list)	7
8. Total supporting organizations	9
a. Newchild Productions	
b. UNM Black Student Union	
c. Women In Movement in Newmexico	
d. African-American Studies	
e. Adolph Coors Company	
f. Albuquerque Community Foundation	
g. UNM Office of School Relations	
h. Quote...Unquote, Inc.	
i. Alpha Kappa Alpha sorority	

Theater Performance Workshop Totals, 1986-1987

1. Total workshop hours spent	124
2. Total cast and crew members	27
3. Cast & Crew were comprised of:	
a. UNM students	
b. UNM staff/faculty	
c. UNM alumni	
d. ASA staff	
e. ASA students	
4. Total performances	2
5. Total attendance at each performance:	
a. UNM SUB Ballroom	357
b. South Broadway Cultural Center	84
6. Valentine's Day Dance total attendance	184
7. Total supporting organizations	6
a. Newchild Productions	
b. Juneteenth Planning Committee	
c. City of Albuquerque/South Broadway Cultural Center	
d. UNM Black Student Union	
e. Alpha Kappa Alpha sorority	

8. African-American Information & Student Services Totals

a. Planning and Productions hours	48
b. Public Relations/Publicity hours	40
c. Staff participants	4

9. Newchild Productions Totals as Producers

- | | |
|---------------------------|--|
| a. Services provided: | |
| 1. Directing/Producing | |
| 2. Technical Directing | |
| 3. Stage Management | |
| 4. Technical Crew | |
| a. lighting | |
| b. sound | |
| c. prop management | |
| d. set design/management | |
| e. stage crew | |
| 5. Script design/Planning | |
| 6. Casting | |

Media Performance Workshop Totals, 1986-1987

- | | |
|-----------------------------------------------------------|--|
| 1. The Black Experience public affairs television program | |
| a. Training/Script writing/research | |
| b. Floor Management/Production Management | |

Total Hours 147

Note: The Media Performance Workshop documentation process is an year-round project and covers all three performance workshops and other special events.

Martin L. King, Jr./Black History Month Celebration

1. Planning/research/implementation Total Hours 48

AAISS Program Documentation

1. Events covered:
- a. Governor's Conference presentation
 - b. UNM African-American Art Gallery Dedication
 - c. Casselberry & DuPree interview
 - d. O.J. Ekemode interview
 - e. Alabama Youth Choir presentation
 - f. Jackie Parton presentation, "From Gospel to Pop"
 - g. To Be Young, Gifted, & Black rehearsals & performances
 - h. ASA staff training/class activities/graduation performance
 - i. edited/subbed numerous video tapes and presentations
 - j. Nancy Gibson/Harry Edwards presentations
 - k. Noontime video series
 - l. Public Education Workshop staff training/planning retreat
- Total Hours 103

Special Events Programming Documentation

- 1. Presentations to three (3) HPER classes
 - 2. Protest presentation about Fine Arts Center rape
 - 3. Design of AAISS display on sexual awareness/rape
 - 4. Presentation of "Someone You Know" film
 - 5. Initiated workshop for women's issues class
- Total Hours 16

Facilities, Equipment and Source Materials

- 1. UNM Instructional Media Services
- 2. Quote...Unquote, Inc.
- 3. KOAT-TV, Channel 7
- 4. KNME-TV, Channel 5
- 5. African-American Studies Department
- 6. South Broadway Cultural Center
- 7. UNM Popular Entertainment Committee
- 8. Albuquerque Rape Crisis Center

Agora: UNM Crisis Center
1986-1987
Carlton P. Davenport
Student Director May 1 1987-April 30, 1988

Staff as of July 1, 1986
Professional Director-Lou Kodituwakku
Student Director-J. Kirk Brooks
Asst. Student Director-Lori Maness
Internal Coordinator-Amanda Ginsberg

Agora remained relatively static in '86-'87 with few large scale changes taking place. However, some policy changes were implimented. The most significant of these was made in response to a directive from our liason to the Vice President, Dr. Ralph Sigala. This directive asked that Agora restrict it's publicity, outreach programs, and recruiting of volunteers to the University campus. Dr. Sigala explained that University funds (Agora is funded by ASUNM and GSA) should be used to serve the University community. Up till this time Agora had been allowed to be involved in these pursuits off campus and had been allowed to advertise on KUNM. This directive caused much consternation among the committed veteran volunteer members of Agora and ended in the resignation of several of them.

The Student Director, Kirk Brooks, acquired an Apple computer for Agora during the Summer of 1986 and in the process got embroiled in a controversy with the Professional Director, Elizabeth Kodituwakku. The disagreement between them continued until September, when Kirk was asked to resign. Kirk's resignation was tendered and in October the Agora Board of

Directors elected Lori Maness as Student Director and James Cordova as Asst. Student Director.

During the Fall semester Elizabeth Kodituwakku resigned as Professional Director and Martha Carmody replaced her.

Through out the Spring semester the Board was busy trying to compose a new constitution, requested by Dr. Sigala, and discussing the rewriting of the by-laws. Progress was slow and suggestions many and the constitution was not completed during '86-'87.

On the weekend of April 24 -26 Agora volunteers enjoyed a retreat at the D. H. Lawrence Ranch in Taos. 22 volunteers attended and heard John Freesoul, a Native American healer and counselor, Drs. Will and Pat Schroeder, and Dr. John Gluck speak about therapy techniques and schemes for dealing with the vaguaries of life. A good time was had by all and many volunteers expressed a desire to return to Taos for another retreat.

Effective May 1, Lori Maness resigned as Student Director and Carlton P. Davenport was elected by the Board to replace her. Effective June 22, Amanda Ginsberg resigned as Internal Coordinator and Doreen Neely was elected by the Board to replace her.

The new staff members endeavored to renovate the Crisis Center, located in the northwest corner of Mesa Vista Hall. The Center, through neglect both by the University and the volunteers of Agora, had become rather ratty and needed some work. Contacts were made with the University Physical Plant

Dept. for painting, the construction of a handicap access ramp, and construction of a walkway to the rear entrance of the Center. As of July 1, 1987 the University was still dragging its feet and the staff was beginning to look for other, interested help.

The staff also began, near the end of the '86-'87 year, to formulate a plan to recruit new volunteers to man the Crisis Lines. Plans were made for publicity, presentations, and scheduling of a training session for the Fall of 1987.

Staff as of June 30, 1987
Professional Director-Martha Carmody
Student Director-Carlton P. Davenport
Asst. Student Director-James Cordova
Internal Coordinator-Doreen Neely

AMERICAN INDIAN STUDENT SERVICE

July 1, 1986 - June 30, 1987

Lucille Stilwell, Director

Background

The American Indian Student Service Program was established during the 1980-1981 academic year in order to provide academic support assistance for American Indian students and to address the specific educational interests of American Indian communities. The program is funded by and under the supervision of the Office of the Administrative Vice-President of Student Affairs. The purpose of American Indian Student Services is to interface and integrate developmental services with existing programs on campus so that American Indian students can achieve self direction, master increasingly complex developmental tasks, and maximize their personal and educational development through University experiences.

It is recognized by AISS that student success at the college-level must begin with the introduction of opportunities, role models, alternative career choices, and sound academic development at any early age. For this reason, AISS has an extensive pre-college component of enrichment programs offered to students attending high schools in addition to providing intensive academic support assistance to incoming freshmen and transfer students and continued assistance for upper classmen and graduate students.

Although the scope of duties has broadened during recent years, the emphasis of services provided remain in the areas of: (1) academic advisement; (2) personal advisement; (3) student advocacy and liason with campus-based programs and Tribal entities; (4) direct tutorial assistance and referral to appropriate academic assistance programs; (5) student recruitment on a regional basis; and (6) research and development of new approaches and programs aimed at increasing retention rates of American Indian students. Lower classmen and transfer students receive more direct academic support assistance than do upper classmen, due not only to their need to "learn the system", but as an administrative decision based on University studies indicating the high attrition rate during the first two academic year; statistically, if an American Indian student completes sixty hours successfully, he or she has an eighty percent chance of completing a baccalaureate degree.

Retention of minority students in postsecondary institutions remains an issue high on the list of concerns involving higher education. While, according to recent statistics distributed through Arizona State University's Research center, there have been recent gains in numbers of minority students enrolled in postsecondary institutions (1978-1981), there has been no significant increase in the number of American Indian students earning baccalaureate degrees. According to a retention study currently being conducted

by UNM's Office of Planning and Policy Studies, only one of eighty-seven American Indian students graduated during the five years under study (Fall 1981 - Spring 1986).

Cohort Survival Rates for the American Indian and Non-Indian Populations During the Period Fall 1981 through Spring 1986.*

<u>Semester</u>	<u>N</u>	<u>American Indians</u>		<u>N</u>	<u>Anglos</u>	
		<u>Percent</u>	<u>Grad N</u>		<u>Percent</u>	<u>Grad N</u>
Fall '81	84	100%		1324	100%	
Spring '82	59	70		1066	81	
Fall '82	46	55		817	62	
Spring '83	31	37		743	56	
Fall '83	24	29		637	48	1
Spring '84	23	27		589	44	1
Fall '84	17	20		541	41	4
Spring '85	14	17	1	539	41	36
Fall '85	18	21	0	386	35	76
Spring '86	13	16	0	286	29	101

* Information based on a five year (1981-1986) UNM student retention-persistence study, provided by Dr. Richard Cady, Director, Planning and Policy Studies.

The average age of American Indian students attending UNM is twenty-four. Many of the students return to school in order to complete degrees or develop new skills giving them an edge on the job market. Native languages are the norm at home while English is the language of instruction, thus linguistically emphasizing the cul-

tural differences many students encounter while attending UNM. Most students come from low income, rural areas, and unlike many members of other minority groups, American Indians tend to resist assimilation into Anglo-American society. It is more typical for the American Indian to resist assimilation and to extract only that which allows him or her to work with understanding non-Indian society. This fundamental difference in outlook has important implication for how the educational system can best repond to the needs of this population (Van De Water, 1986). Cultural tensions arise by the split education aspirations for children by their parents, on the one hand, American Indians must learn to function and successfully complete in a non-Indian world, they therefore should learn to access appropriate skills necessary to complete the system of higher education. The opposing view, sometimes held concurrently, is that non-Indian higher education is detrimental to the culture and customs of the tribe and should be minimized. There are variations on the intensity with which these views are held. Obviously, academic counseling, peer support, personal counseling, and empathy toward traditional and modernistic viewpoints are essential for assisting American Indian students who do elect to attend postsecondary institutions.

Many problems typical of those encountered by American Indian students are already being addressed at this campus; however, due

to limited funding and staffing, some areas of concern are given only cursory consideration. Mary Nelson (1982) enumerates some of the typical problems encountered:

- a.) basic value differences of Indian versus non-Indians;
- b.) cultural differences;
- c.) poor self-concepts of Indian students;
- d.) a seemingly indifferent or apathetic attitude, compounded by low teacher expectations;
- e.) peer group orientation of Indian students;
- f.) students concerned with the view of a degree in Tribal life;
- g.) inexperience in handling money;
- h.) English often spoken as a second language, or poor background in English affected by colloquialisms of the home area;
- i.) poor college preparation in high school;
- j.) a sense of "not belonging" in the college situation.

Specific problems inherent to this campus include inability to identify some American Indian students once they've arrived on campus; inability or unwillingness of students to seek needed assistance; necessity to establish a systematic program to assist students with poor, or limited, communication skills; enhanced

communication between Tribal entities and the financial aid office when dealing with student funding. Methods and procedures implemented in addressing these concerns will be discussed in the following report, as well as measures taken to address the specific recommendations of the Board of Regents on Native American Education.

PROGRAMMATIC CHANGES AT UNM

In looking toward the coming year, there are two areas of controversy and confusion which need to be resolved for the benefit of American Indian, and other, students. Needing immediate attention and action is the problem of providing adequate counseling and academic advisement for students caught in the gap between Albuquerque Technical Vocational Institute and the University of New Mexico's now defunct General College. The second area of concern is related. Many American Indian students are underprepared for college course work, in part due to linguistic differences and limited high school course offerings. Although it is presumed that underprepared students of the future will first attend TVI and then transfer into University College, there are students now enrolled who need assistance in one or more skill areas and are not receiving assistance as they have in past years - through English as a Second Language course offerings at the Freshman English level.

TVI - GENERAL COLLEGE

American Indian students once assisted through developmental skills courses and staff offered by General College are now being shuffled-over to Albuquerque Technical Vocational Institute. Here it is expected that students will receive satisfactory opportunities to develop needed skills, postponing enrollment at UNM a year or more. Aside from the knowledge based on national studies that fewer than thirty percent of students due transfer in such cases, three immediate questions arise with respect to serving these students.

- 1.) Formal reciprocity between these two institutions with respect to acceptance of accumulated credits has not been established. It is possible (even probable) that students will have credits which do not transfer because of dissimilar course structure or varied course goals.
- 2.) Appropriate academic advisement must be provided from the beginning of a student's career to prove most successful. Providing structure and appropriate options in essential particularly for students of varied cultural backgrounds. There is no formal cooperation with respect to academic advisement and counseling at this time between UNM and TVI. Many American Indian students are utilizing UNM services, regardless of where they are enrolled because they need specialized information available at AISS.
- 3.) To date, most Tribal scholarship programs stipulate full-time enrollment in an accredited university in order to receive funding. As most American Indian students fall within the category of low-income

and receive financial aid, this could severely jeopardize their academic progress, as most would have to enroll for 12-15 hours/semester at UNM in addition to the necessary hours/trimester at TVI.

It is recognized that discussion is underway in an attempt to minimize the negative effects of transition between TVI and UNM; however, until such time as permanent solutions are put in place, it is crucial that additional personnel be made available to meet the immediate needs of American Indian students. Appropriate counseling, in its many facts, is a primary weapon against attrition.

DEVELOPMENTAL SKILLS

A controversy that has continued during the last several years was re-opened in Spring 1985 with a letter to President Farer from George Ann Gregory, requesting additional assistance for American Indian students in the area of communication and study skills. What has been suggested, by many interested parties, is the re-establishment of Freshman English Composition courses taught through the ESL Writing Program with the specific needs of these students in mind. Many American Indian students are non-native English speakers, or lack standard English-speaking role models; additionally, many have a learning style which differs from traditional academic expectations. As observed by Vera John Steiner, language "does not assume a unique role as a medium of learning, not in defining a person as an adequate or inadequate learner, as it does

in our urban culture." These and similar, academic needs cannot be met in regular Freshman composition courses, and are not being met through the ESL Writing Program.

Reasons for dropping the extensive native-born ESL program include: lack of funding, variability in student writing ability, reticence in the students' part to choose mixed foreign and native-born ESL classes, lack of coordination for intensive tutoring with regularly enrolled students having special needs. Although officially, American Indian students are welcome to be "tested" and placed in appropriate ESL classes, few choose to do so (as few as five students during the Spring semester 1987). The Center for Academic Program Support does not at present have staff trained specifically for the needs of American Indian students; nor is it appropriate to assume that CAPS tutors can or should provide the peer support, and role modeling needed by these students.

Two sources of support are currently underway for possible implementation during the Fall 1987. In conjunction with several campus-based programs, including ESL Writing Program, George Ann Gregory, CAPS and NAS, a Federal grant proposal was submitted covering an extensive intrusive tutoring program, utilizing microcomputers and a writing lab arrangement. Additionally, in the newly available space provided this Spring at AISS, individual study carrells and a small library area were incorporated into the overall design. Monies derived from fund raising activities by the Kiva

Club will be used to purchase reference materials for student use. Still needed, however, are monies for training of peer tutors, and for tutor salaries. Emphasis would be placed on introductory courses, with special attention given to study skills and effective communication in both oral and written form.

RETENTION SUMMARY - COMPARISON OF
NATIVE AMERICAN FRESHMEN to TOTAL FRESHMAN CLASS
FALL 1980 FRESHMEN

	Transfer to UNM degree Program by close of Spring '83			U.C. in Fall '83		Attrition	
	N	N	% of Total	N	% of Total	N	% of Total
Total Freshmen	2473	756	30.6	277	11.2	1440	58.2
Total Native American Freshmen	101	14	14.0	14	14.0	73	72.0

RECRUITMENT

Recruitment of American Indian students is an ongoing concern of AISS. Although the Office of School Relations is primarily responsible for recruitment of all students, an agreement was reached during the 1986-1987 academic school year which mutually supports

the efforts of both programs. OSR recruiting strategies have been similar for all portions of the target population. Such strategies include: visiting high schools, preparation and distribution of literature, conducting career fairs, using current students to contact prospective students, and organizing an annual Senior Day held on campus each Fall. Whereas OSR has no American Indian on staff, the cooperation between OSR and AISS is a highly practical approach, with AISS providing staff, encouraging student participation, supplying specific materials and information; in short, utilizing appropriate resources. A copy of the formalized agreement between OSR and AISS is attached and further discussion of specific activities follows.

SENIOR DAY

For more than a decade, the Office of School Relations has been sponsoring an annual "Senior Day" at UNM main campus. Part of the rationale for such a production is to allow incoming and transfer students to familiarize themselves with the University, to gain insight into the routine of registration and financial aid, and to allow students the opportunity to ask questions and to discover what services and activities are available for them. This year, OSR and AISS teamed-up to coordinate special pre-registration activities aimed at the specific needs and interests of American Indian students. The event was well attended and feedback from stu-

dents and participants indicate that the experiment was successful and should be repeated in coming years. Attached is a copy of the agenda. Note that this special activity did not supercede the regularly scheduled activities, but rather was offered as an additional service. (Exhibits A and B)

COLLEGE ENRICHMENT PROGRAM

The College Enrichment Program takes part in recruitment, especially in rural, low income areas. Because many American Indian students normally fall within this category it was deemed appropriate and cost efficient for CEP and AISS to coordinate outreach efforts. During the 1985-1986 academic year a member of the AISS staff was able to travel with CEP staff members when recruiting in areas of high American Indian populations. The result of this close coordination, in addition to high visibility and access by members in remote communities, was a bountiful crop of thirty (of 62) American Indian students in attendance for last summer's CEP Orientations. AISS concurs with the philosophy of CEP in providing an intimate supportive environment within a large university setting through counseling, academic monitoring and tutoring when appropriate, and providing assistance with job placement when possible.

Unfortunately, due to the limited staffing and time commitments on the part of AISS, such efficient recruitment was not effected

during the 1986-1987 academic school year. Even though CEP staff members targeted similar population areas, only five American Indian Students are expected to participate in this summer's Orientation program. Clearly, there is a need for an American Indian staff member to actively participate in outreach and recruitment, especially considering the strong cultural preference of many parents and students to meet face to face with support personnel, rather than relying on printed materials which do not accommodate language differences.

RECRUITMENT 1985-86
UNIVERSITY OF NEW MEXICO
AMERICAN INDIAN STUDENT SERVICES

OUT-OF-TOWN HIGH SCHOOL LISTING

<u>SCHOOLS</u>	<u>ADDRESS AND TELEPHONE #</u>	<u>COUNSELOR</u>
Alamo Navajo School	P.O. Box 907 Alamo, NM 87825 (505) 845-2543	Pat White
Alamogordo Sr. High School	103 Cuba Ave. Alamogordo, NM 88310 (505) 437-3010	Alfred Garcia
Aztec High School	500 E. Chuska Aztec, NM 87410 (505) 344-9414	Bonnie Duewall
Bernalillo High School	P.O. Box 640 Bernalillo, NM 87004 (505) 867-2388	Sharon Wilson
Bloomfield High School	P.O. Box 217 Bloomfield, NM 87413 (505) 632-3373	Tony Dinalo

OUT-OF-TOWN HIGH SCHOOL LISTING

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<u>SCHOOLS</u>	<u>ADDRESS AND TELEPHONE #</u>	<u>COUNSELOR</u>
Cloudcroft High School	P.O. Box 198 Cloudcroft, NM 88317 (505) 628-2524	Allan Musgrove
Crownpoint High School	Drawer "D" Crownpoint, NM 87313 (505) 786-5663	Dennis Powell
Cuba High School	P.O. Box 70 Cuba, NM 87013 (505) 289-3211	Delfino Rodriquez
Dulce Independent High School	P.O. Box 547 Dulce, NM 87528 (505) 759-3228	Carolyn Tecube
Espanola Valley High School	P.O. Box 99 Espanola, NM 87532 (505) 753-7357	Ricardo Vigil
Farmington High School	2200 Sunset Farmington, NM 87401 (505) 325-0207	Emanuel Weigand
Gallup High School	Box 39-680 Boardman Gallup, NM 87301 (505) 863-3821	Virginia Newton
Grants High School	P.O. Box 8 Grants, NM 87020 (505) 285-4677	Corrine Chavez
Jemez Valley High	Jemez Pueblo, New Mexico 87024 (505) 834-7392	James Counce
Kirtland Central High School	P.O. Box 96 Kirtland, NM 87417 (505) 598-5881	Norman Howey

OUT-OF-TOWN HIGH SCHOOL LISTING

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<u>SCHOOLS</u>	<u>ADDRESS AND TELEPHONE #</u>	<u>COUNSELOR</u>
Laguna-Acoma High School	P.O. Box 76 New Laguna, NM 87038 (505) 552-6683	Richard Davis
Los Alamos High School	1300 Diamond Dr. Los Alamos, NM 87544 (505) 662-4136	Peggy Kruse
Los Lunas High School	P.O. Box 1300 Los Lunas, NM 87031 (505) 865-4646	Tom Sanchez
Magdalena Muncipal High School	P.O. Box 24 Magdalena, NM 87825 (505) 854-2249	Jackie Barrington
McCurdy High School	P.O. Box 127 McCurdy, NM 87532 (505) 753-7221	Enoch Rodriquez
Navajo Academy	1200 West Apache Navajo, NM 87401 (505) 325-7107	Mabel Penn
Newcomb High School	St Rt 1 Box 25 Newcomb, NM 87325 (5050) 696-3417	Margaret Minich
Penasco Jr.-Sr. High School	P.O. Box 318 Penasco, NM 87553 (505) 587-2502	Michael Garcia
Pinehill High School	P.O. Box 490 Pinehill, NM 87321 (505) 783-5801	Nellie Sandoval
Pojoaque High School	Rt 5 Box 207 Pajoaque, NM 87501 (505) 455-2234	Ruben Lucero

OUT-OF-TOWN HIGH SCHOOL LISTING

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<u>SCHOOLS</u>	<u>ADDRESS AND TELEPHONE #</u>	<u>COUNSELOR</u>
Quemado High School	P.O. Box 128 Quemado, NM 87829 (505) 773-4645	Jackey Barrington
Ramah High School	P.O. Box 54 Ramah, NM 87321 (505) 783-2241	Richard Tomlesson
Rehoboth Christian High School	P.O. Box 41 Rehoboth, NM 87322 (505) 863-4412	Thomas Weeda
Ruidoso High School	Drawer 430 Ruidoso, NM 87345 (505) 257-7324	James Sanchez
Santa Fe High School	2100 Yucca Road Santa Fe, NM 87501 (505) 471-7743	Carol Jones
Santa Fe Voc-Technical	West Zia Road Santa Fe, NM 87501 (505)471-7850	Joan Warner
Santa Fe Indian High	Cerrillos Road Box 5335 Santa Fe, NM 87501 (505) 988-6266	Larry Lucero
Santa Fe Preparatory School	1101 Camino De La Cruz Blanca Santa Fe, NM 87501 (505) 982-1829	Robert Kurth
Shiprock High School	Drawer "D" Shiprock, NM 87420 (505) 368-5161	John Noon
St. Catherine's Indian School	P.O. Box 1883 Santa Fe, NM 87501 (505) 982-1889	Sherry Dorman

OUT-OF-TOWN HIGH SCHOOL LISTING

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<u>SCHOOLS</u>	<u>ADDRESS AND TELEPHONE #</u>	<u>COUNSELOR</u>
St. Michael's High School	100 Siringo Road Santa Fe, NM 87501 (505) 893-7353	Alonzo Salazar
Taos High School	134 Cervantes Street Taos, NM 87571 (505) 758-8647	Mary Aragon
Thoreau High School	P.O. Box 96 Thoreau, NM 87323 (505) 862-7488	Ed Ping
Tohatchi High School	P.O. Box 248 Tohatchi, NM 87325 (505) 733-2216	Nannette Boucher
Tularosa High School	1305 8th Street Tularosa, NM 88352 (505) 585-2282	Patricia Geisheimer
Window Rock High School	P.O. Box 559 Window Rock, NM 86504 (505) 488-5403	James Arviso
Wingate High School	P.O. Box 2 Wingate, NM 87316 (505) 488-5402	Claude Anderson
Zuni High School	P.O. Box 550 Zuni, NM 87327 (505) 872-4451	Linda Menzeal

RECRUITMENT 1985-86
UNIVERSITY OF NEW MEXICO
AMERICAN INDIAN STUDENT SERVICES

ALBUQUERQUE PUBLIC SCHOOLS

<u>SCHOOL</u>	<u>ADDRESS AND TELEPHONE #</u>	<u>COUNSELOR</u>
Albuquerque High School	800 Odelia Rd NE 843-6400	Bob Patton
Cibola High School	1510 Ellison Dr. NE 897-0110	Jane Jones
Del Norte High School	5323 Montgomery Blvd NE 883-7222	Mary Louise Hulsman
Eldorado High School	11300 Montgomery Blvd NE 296-4871	David Muth
Freedom High School	2332 San Mateo Pl NE 884-6012	Bridget Warner
Highland High School	4700 Coal Ave. SE 265-5680	Mike Velsquez
New Futures High	1220 Louisiana 883-5680	Patricia Parkenson
Manzano High School	12200 Lomas Blvd NE 292-0090	Frank Silva
Rio Grande High School	2300 Arenal Rd SW 873-0220	Louise Mayland
Sandia High School	8701 Candelaria Rd NE 299-4466	Kathy Kloppel
Valley High School	1505 Candelaria Rd NW 345-9021	Sharon Colburn
West Mesa High School	6701 Fortuna Rd NW 831-6993	Gloria Fantozzi

RECRUITMENT 1985-86
UNIVERSITY OF NEW MEXICO
AMERICAN INDIAN STUDENT SERVICES

COLLEGES BRANCH AND COMMUNITY COLLEGES

<u>COLLEGES</u>	<u>ADDRESS AND TELEPHONE #</u>	<u>COUNSELOR</u>
College of Ganado	Ganado, AZ 86505 (602) 755-3442	
Navajo Community College	Tsaile, AZ 86556 (602) 724-6111	Louise Lilgin
Navajo Community College	Shiprock, NM 87420 (505) 368-5291	Timothy Benally
New Mexico State University	Alamogordo, NM 87310 (505) 885-8831	Doris DeShago
New Mexico State University	Grants, NM 87020 (505)	
Northern New Mexico Community College	El Rito, NM 87530 (505) 753-7141	Lupita Murphy
San Juan College	Farmington, NM 87401 (505) 326-3311	Karl J. Zaffke
Santa Fe Community College	Graineville, FL 32601 (904) 395-5444	Don Mott
University of New Mexico - Gallup	Gallup, NM 87301 (505) 722-7221	Thomas Ray
University of New Mexico - Los Alamos	Los Alamos, NM 87544 (505) 662-5919	Betty Meyers
University of New Mexico - Valencia	Belen, NM 87002 (505) 865-9596	Omero Suary

GALLUP BRANCH ORIENTATION

One of the ongoing projects for enhanced recruitment came to fruition during the 1986-1987 academic year with a highly coordinated One-Day Orientation housed at the UNM branch in Gallup.

This project was initiated administratively by President Farer and

took several years to coordinate, but with the dedicated work of individuals such as Kathleen Sasse (Dean of Students) and others, the program was quite successful with over seventy-five students participating. An unusual and rewarding aspect of this project was the high degree of interest and involvement on the part of the students' parents, as well as community leaders.

Lucille Stilwell, Director of AISS, arranged for on-site registration of transfer students as well as the administration of the Math Placement Exam. This relieved the students of the arduous task of driving to Albuquerque solely to take the exam. Representatives of the Navajo Nation Higher Education and Scholarship Office were present to answer pertinent questions and explain procedures for applying for scholarship monies. Representatives of the Zuni Tribe were equally responsive to student' questions. Seemingly everyone present assisted with dissemination of information and direct assistance - aiding the students' smooth transition from one institution to the next. Prospective students were also contacted and provided with assistance whether they wished to attend the UNM main campus or the Gallup branch. Plans have already begun for continuance of this most successful activity. (See Exhibit C)

TASK FORCE ON AMERICAN INDIAN STUDENT AFFAIRS

A task force on American Indian Student Affairs was formed, chaired by Dr. Robert White (CIMTE) with assistance from Lucille

Stilwell (AISS), for the purpose of reviewing the situation on campus. The concern that led to the establishment of this Task Force grew from a letter claiming inequities in education sent to President Farer by George Ann Gregory (then a linguistics student). Much of the work during 1985-1987 was concerned with increasing the efficiency and effectiveness of academic support for these students. Retention of American Indian students remains a key issue and this concern is echoed in the recommendations put forth by the Task Force.

UNM BOARD OF REGENTS TASK FORCE ON AMERICAN INDIAN HIGHER EDUCATION

Another Task Force was set-up with special appointments made by the President of UNM. The scope of this Task Force extended well beyond the immediate issues of UNM, encompassing issues involving the state and the region. Members of the group included and worked closely with various tribal entities and State Representatives with the impetus for discussion and action founded in House Memorial 28: Report on State's Role in Native American Higher Education (September, 1984). Student representatives were selected to participate in order that the group's decision would be well founded in the immediate concerns of students currently enrolled, as well as the foreseeable concerns yet to be encountered.

Following is a list of recommendations made by the Task Force which fall under the jurisdiction of AISS. A description of activi-

ties follows each recommendation, indicating the status of action taken. Notice that all recommendations have been addressed and the majority have been completed. A few activities remain classified as "on going" due to the nature of cooperation required for an in depth solution. (Exhibit D)

ACTIONS TAKEN IN ADDRESSING RECOMMENDATIONS OF THE BOARD OF REGENT'S TASK FORCE ON AMERICAN INDIAN HIGHER EDUCATION

General

- 1.) Name change: effected August, 1986
- 2.) Increased space and new location: Moved April 1987.

Financial Aid

- 1.) Assist with complexities of applying for aid and liaison between tribal entities and financial aid counselors. - Handbook describing application process, in progress. - Formalized agreement of cooperation between Financial Aid Office and AISS resulting in on-site assistance. - on-going: Coordination between UNM Gallup and Main campuses with regard to establishing a common philosophy and partice of awarding student monies.

CURRICULUM AND TESTING

- 1.) Lack of academic support in developmental skills. Development and expansion of peer tutoring program (additional funds requested). - Continued advocacy and academic counseling, but additional staff needed to cope with increased requests following the

disintegration of General College.

STUDENT SERVICES

- 1.) Lack of coordination between existing support services. - By moving into new location, adjacent to Student Services Building and within the midsts of other student support programs, opportunity for communication has increased tremendously. - Formalized agreements with various campus-based program to facilitate referrals: Office of School Relations, Dean of Students, Career Planning and Placement, Financial Aid.
- 2.) Lack of coordinated tutoring and peer tutoring services, - Again, the move provided opportunity to arrange for study carrells and library space. The Kiva Club will be providing reference materials for student use.
- 3.) Need for student academic goals clarification. - AISS has a working referral system with Career Planning and Placement. There remains a need for gathering information from various Tribal entities concerning their specific educational and career needs and expertise. Coordination of information will begin in Fall 1987.

RURAL TRIBAL ENTERPRISE DEGREE PROGRAM

During the academic year 1985-1986, Lucille Stilwell, Director of AISS, has been an active participant and Chairperson of the Rural Tribal Enterprise Degree Program at UNM's Gallup branch. This program has strong tribal support, both Navajo and Zuni, re-

sulting from Public Law 92-318 (Indian Education Act of 1972) enabling Indian tribes and organization to plan, implement, and operate innovative educational services for American Indian children and adults.

This specific project was initiated by local Indian communities and members of the Native American Student Association, promoting a balance of Traditionalism and Appropriate Technology, resulting in an Associate Degree in Applied Sciences. Due to the strong community support, students are provided with appropriate, current technological skills enabling them to compete successfully in the job market. The high degree of coordination with tribal entities enhances the ability to adjust programs, thus meeting the more immediate employment needs of these communities, as well as facilitation in long range employment objectives.

CONSORTIUM OF COLLEGES AND UNIVERSITIES TO RECRUIT AMERICAN INDIAN
STUDENT FOR GRADUATE EDUCATION

AISS became a member of this nation-wide Consortium in 1985. The role of the program is aiding students to pursue academic careers in postsecondary institutions at the graduate studies level. The program is designed as a support vehicle, providing a variety of services: providing informational workshops through students services program and newsletters, availing students of information concerning graduate studies opportunities, encouraging faculty members in the role of mentor by assisting with a national network

for information and relying on the dedication of outstanding representatives, and by providing limited travel funding for informational sessions, as well as student campus visitations. A list of participating institutions follows.

PARTICIPATING INSTITUTIONS

Haskell Indian Junior College, Lawrence, Kansas
 Northeastern Oklahoma State University, Tahlequah, Oklahoma
 Southeastern Oklahoma State University, Durant, Oklahoma
 Northern Arizona, University, Flagstaff, Arizona
 Fort Lewis College, Durango, Colorado
 University of Arizona, Tucson, Arizona
 University of California, Berkeley, California
 University of California, Los Angeles, California
 University of California, Santa Cruz, California
 University of New Mexico, Albuquerque, New Mexico

GRADUATE CONSORTIUM FACULTY MEETING

April 4, 1986

<u>NAMES</u>	<u>DEPARTMENT</u>	<u>TELEPHONE #</u>
Harold Pope/Charlotte Cooper	Office of School Relations	277-5161
Ted Sturm	Philosophy	277-2405
Tamara Holzopfe	Modern & Classical Languages	277-5907
Allan Hodson-Edwards	Linguistics	277-6353
Chris Garcia/Elinor Barrett	College of Arts & Sciences	277-3046
Barry Gaines	English	277-4436
Nancy Zak	Native American	277-3917
Michael Dougher	Psychology	277-6343

<u>NAMES</u>	<u>DEPARTMENT</u>	<u>TELEPHONE #</u>
Lucille Stilwell	American Indian Student Services	277-6343

NEW PROGRAMS FOR PRE-COLLEGE STUDENTS
NAVAJO PRE-COLLEGE PROGRAM

A new project being initiated during the Summer 1987, involve coordination with AISS, UNM's Anderson School of Business, the Navajo Tribe, New Mexico State University, and the University of Arizona. This program, Navajo Pre-College Program, arises from the Navajo Tribe's concern that many high school students are unaware of career opportunities in the realm of business and commerce, and that increasingly, the Tribe will be relying on new, young, innovative leaders in such areas. This program is designed to expose younger students to opportunities in business in the hope that they will attend college, study business and related fields, and return to the reservation with new skills and enterprises.

Thirty-five students will participate in each of two summer session of the University of Arizona campus and at single sessions at the University of New Mexico and New Mexico State University campuses. Preference will be given to Navajo students, but should slots become available, students representing other American Indian tribes will be selected to participate. Attached is more complete description of this exciting program. (Exhibit E)

EXPANDING YOUR HORIZONS

Another pre-college program being initiated this summer has been developed by the national Math/Science Network. "Expanding Your Horizons in Science and Mathematics" is a national program designed to encourage girls attending middle and high school to explore non-traditional studies and career opportunities. In past years, this program attracted predominantly White, middle class students, with White professionals serving as role models. In an effort to bridge the "minority gap", four program sites have been selected for a nation-wide pilot: Charlotte, North Carolina; El Paso, Texas, Girls Club of American; and Albuquerque, New Mexico. The Director of AISS will coordinate the local pilot. Recruitment of participants and development of materials appropriately sensitive to the needs of the participating ethnic and social minorities begins this summer.

There are four goals which form the core of this program:

- Goal I: To develop an Expanding Your Horizons conference model and materials to provide minority girls with information that empowers them to expand their career options.
- Goal II: To develop a workshop and materials which will empower parents to assist their children in developing career decision-making skills.
- Goal III: To develop an EYH model and materials to inform non-college bound girls of career options.
- Goal IV: To develop an EYH model which enables

community-based organizations to sponsor Expanding Your Horizons in Science and Mathematics conferences.

Specific activities for each goal are carefully laid out facilitating a high degree of integrity among programs nation-wide, but at the same time conscientiously searching for information, approaches, and materials which are meaningful and effective for the specific population being targeted.

The parent component is recognized as an invaluable resource, for both the program and for the participating daughters. Parents are invited to attend workshops dealing with a wide range of topics: strategies for being an informed support person, information on college admissions and financial aid resources, panel discussions with community leaders, and tours of facilities of typical employers. It is recognized that many parents know little about current career opportunities in math and science and although they may not intentionally sabotage their daughters' dreams, they simply are not aware of alternatives. The ultimate goal of this program is not, as some may feel, to mass produce female scientists and mathematicians, but rather, recognizing the vast underrepresentation of professional minority women in these related fields to give girls the skills with which to make career decisions which include and expand upon more traditional roles.

COMMUNITY PROGRAM INVOLVEMENT: PSYCHOLOGY DEPARTMENT

UNM's Psychology Department has propose to implement a campus-wide primary and secondary prevention of drug and alcohol abuse. In the past, a diagnostic instrument, "Drinker's Check-up", has been used, but in order to ensure effective evaluation the instrument must be "normed" for the specific population. Many professionals, including Lucille Stilwell, have been asked to participate in a pilot program aimed at establishing a norm for non-problem drinkers and non-drinkers. It is hoped that such research will lead to a host of programs, not only targeting American Indians, designed to effectively address the problems of alcohol abuse and alcoholism prevention. Included is a brief description of the pilot program. (Exhibit F)

STUDY OF AMERICAN INDIAN AND ALASKA NATIVE STUDENT LIFE TRANSITIONS

AISS has been asked to participate in an exciting study funded by the National Health Research Center. The study is being jointly conducted by the Oregon Health Sciences University and the Colorado Health Science University under the Direction of Dr. Manson. In an effort to control the high attrition rate among American Indian students enrolled in postsecondary institutions and to promote mental health, this study focuses on the coping strategies of young adults in life transitions.

Retention of this target population, as has been previously

discussed, remains a priority at UNM. While most studies tend to focus on academic factors, almost all research indicates "other significant factors" equally important in the successful completion of academic programs. Although stress and mental illness are often cited as results or by products of academic attempts, little is known about the positive and negative coping strategies and what effect they have on individual lives. "The ultimate goal of the SLT study is to better understand how to both increase academic success and to minimize the mental health risks to Indian and Native students attending higher education programs". Attached is a more complete description of this study. (Exhibit G)

STUDENT ORGANIZATIONS

One of the more active roles taken on by student organizations this year has been the involvement and participation of several such groups: Kiva Club (President, Roxanne Damon), American Indian Science and Engineering Society (President, Casey Begay), Dineba (President, Laura Gilson), Southwest Indian Student Coalition (President, Sandra Begay).

Although true for all members of the student body, participation in student organizations helps to promote a sense of "belonging"; reducing individual and ethnic isolation by promoting both academic and social support among students with common goals and interests. As discussed previously, the sense of isolation

and need for successful role models is prevalent among American Indian students. Participation in student organizations remains a popular and effective means of providing peer support.

During the academic year 1986-1987, an executive group of student officers and faculty sponsors was established in order to create a formal network of communication and cooperation between similarly oriented student groups. AISS is proud to develop this concept and to assist in this effort. The first meeting of the American Indian Council was convened in October, 1986 and regularly scheduled meetings have continued throughout the year. The following are descriptions of participating student organizations.

KIVA CLUB

Kiva's initial concern is to create a cultural and social awareness among the University of New Mexico student population for the unique and distinct cultural heritage of the American Indian body at UNM.

Kiva provides students the opportunity, through social and cultural events, to learn about issues and concerns confronting the American Indian student body. Kiva believes the UNM student population will have a better understanding of the cultural, educational and political concerns to American Indians through its awareness and knowledge of the American Indian students at UNM.

An additional concern of Kiva is the recruitment and reten-

tion of American Indian students at UNM. Kiva gives new and incoming student the opportunity to meet with other students with similar backgrounds. This group support helps to ease the transition and adaptation a student goes through upon arrival to the UNM campus.

Kiva works with the American Indian Student Services in developing retention strategies for American Indian student as well. Kiva is concerned and committed to providing assistance and support for American Indian students to increase their probabilities for success in completing their education at UNM.

AMERICAN INDIAN SCIENCE AND ENGINEERING SOCIETY

American Indian Science and engineering Society, was founded in 1977, providing American Indian youth with the opportunity to enter the world of Science and Engineering while preserving their rich cultural heritage.

The purpose of AISES is to: identify young pre-college age American Indians who show aptitude for technological education and training, and to facilitate their movement into a new environment. Enable American Indian youth to pursue careers outside the sphere of traditional Indian life, and return to share that education with the people in their communities.

Instill in American Indian youth, scholarship and leadership values toward a goal of self-determination and self-reliance with-

in their communities.

DINEBA

Dineba was formed two years ago as a service to the students of the University of New Mexico. The club was established with the intention of: 1.) providing support to Navajo students; 2.) informing the University of the Navajo culture; 3.) being a source of providing education to those who wish to learn more about the tradition of the Navajo.

A few of the accomplishments in the past two years include: films such as BROKEN RAINBOW; A WEAVE OF TIME; SEASONS OF THE NAVAJO; and Coyote tales during the winter.

Lectures given by local and regional speakers concerning student and Navajo Nation issues.

Active involvement in the Navajo-Hopi Land Dispute (letters to state and national governments and letters to the Chairman involved).

SOUTHWEST INDIAN STUDENT COALITION

Southwest Indian Student Coalition was formed in 1985. The primary function of this organization is to address the common concerns and interests regarding the education of American Indian students attending higher institution within the Southwest.

Secondary is the establishment of reliable and efficient communication between student and relevant officials to resolve or

Alleviate the concerns of the student population at the University of New Mexico.

STAFFING AND THE STRUCTURAL FEATURES OF AISS

At the recommendation of the President's Task Force on Native American Education, AISS underwent a name change in August of 1986, from Native American Student Services to American Indian Student Services.

A second recommendation was realized in April, 1987. At this time AISS opened new office space in Mesa Vista Hall. A deep depth of gratitude is owed to Kathy Brooks, Director, of the Women's Center in providing space for AISS from August, 1986 through April, 1987 while renovations on the new office were being completed. Student traffic into AISS has increased dramatically, as has the opportunity to improve communication with the surrounding student service programs and the administration in the adjacent Student Services Building.

Staffing for AISS is minimal. Duties of the Director extend far beyond the vicinity of the UNM campus, embracing the objective of community coordination and service, but making it difficult to provide through follow-up on each client. Record keeping is kept to a minimum and voluntary student assistance is relied on extensively. Although it is desirable to have a more complete staff (the Task Force recommendation is for a Counselor and an Assistant),

it is heartening to see the dedication of upper classmen when assisting new students; sharing information, serving as role models, and providing peer tutoring when appropriate. It should be understood, however, that voluntary assistance - scheduled around individual students' own busy routines - can in no real way be continually substituted for paid, professional staff. We would like in this conclusion to refocus attention on our highest priority, student services in the area of academic advisement. Our jobs this year have expanded, and the number of students we have identified and assisted has increased, but our permanent staff still consists of only two--the same number we started with in 1980.

In order to maintain our high level of activity, in general service to the University and to our students, we need more staff. Our particular application is for a stable allocation of funds for full-time counseling service. Counseling is another area of basic need for our students, the place where we reach the students in order to make all other forms of support available. An additional staff member will give American Indian Student Services the opportunity to make full use of the services and support it has to offer the increasing number of American Indian students at UNM.

EXHIBIT A

Agreement with American Indian Student Services and Office of School Relations For Special Recruitment Activities For American Indian Students

<u>Fall</u>	<u>OSR</u>	<u>AISS</u>
Develop brochure -	Expenses	Information
	Coordination	Proofing for Content
Senior Day - American	Program Structure	Coordination of American
Indian student visitation	Mailing Costs	Indian Students
with regular Senior Day	Lists Visitation Program	
structure	Refreshments	Arrangements with Campus Groups
<u>Fall/Spring</u>		
Community Reception	Program Structure	Personnel Staff/Students
(Nov. or Jan.)	Personnel	to participate in reception
Farmington area	Travel	and at schools where appropriate
Gallup Area	Per Diem	
	Materials	
	Follow-up	
Career Fairs	Travel	Personnel Staff/Students
AIPC Career Fair-April	Per Diem	
Hopi Career Fair	Supplies	
Tohatchi Career Day		
Zuni Career Day		
* Others with advance notice		
<u>Spring</u>		
American Indian	Mailing	Personnel
Parent/Alumni	Lists	Program Structure
Reception	Personnel for	Invitations
	Presentation	
	Publications/Materials	
Staff/Student Calling	Lists	Staff and Students
Campaign (Feb. - March)	Telephone Costs	

* Any requests for additional funds not already listed must be itemized and submitted in writing no later than September, 1986. Sharing of trip schedules throughout the year.

EXHIBIT B

You and your parents are invited to attend

HIGH SCHOOL SENIOR DAY

AT

The University of New Mexico

Saturday, September 26, 1987

11:00 A.M. to 5:30 P.M.

You can . . .

- Talk with current UNM students
- Learn about Financial Aid and Scholarships
- See the "one-stop shopping" of student services
- Explore academic programs
- Tour the campus
- Enjoy a pre-game chili fest as our guest
- Cheer the Lobo's on to victory over the BYU Cougars (Special \$3.00 tickets can be purchased at Registration)
 """" Save \$8 off regular price""""

AGENDA

11:00 A.M.	American Indian Seniors	Woodward Hall - Room 147
1:00 P.M.	Opening Assembly Welcome Program Orientation	Woodward Hall
1:30 P.M.	Campus Tour Residence Hall Tour	Main Campus (leaves from Woodward Hall)
2:30 P.M.	Financial Aid Workship Student Services Open House Academic Fair Parents Program	
4:00 P.M.	Closing Assembly	Woodward Hall
4:30 P.M.	Pre-game Southwest Chili Fest	NM Union (SUB)
6:05 P.M.	UNM vs BYU Football Game	University Stadium

Special Fireworks Extravaganza

EXHIBIT C

FRESHMEN ORIENTATION
 UNIVERSITY OF NEW MEXICO
 UNIVERSITY OF NEW MEXICO - GALLUP BRANCH
 NAVAJO DIVISION OF EDUCATION
 AUGUST 8, 1986
 GURLEY HALL

- 9:00 - 9:05 - Welcome and Introductions
- 9:05 - 9:10 - Slide Tape Presentation
- 9:10 - 9:20 - Welcome
 University of New Mexico-Gallup Branch, Gallup, NM
 University of New Mexico-Albuquerque, NM
 Navajo Division of Education-Window Rock, AZ
- 9:20 - 10:30 - Math Placement Exam
- 10:30 - 10:45 - Health Break
- 10:45 - 11:15 - Trial Program of Studies
- 11:15 - 12:00 - Advisement and Registration
- 12:00 - 12:45 - Lunch (Luncheon Speaker - Dr. Anita Pfeiffer)
- 12:45 - 1:15 - Overview of Skill Center and Learning Center
- 1:15 - 1:45 - Listening and Note taking skills
- 1:45 - 2:00 - Financial Aid Office
 University of New Mexico
 University of New Mexico-Gallup Branch
- 2:00 - 2:30 - Navajo Higher Education Office
- 2:30 - 2:45 - Health Break
- 2:45 - 3:15 - Indian Health
 Jim Toya, Director, Acoma, Canoncito and
 Laguna Hospital
- 3:15 - - Closing Comments
 Navajo Higher Education Office
 Navajo Division of Education

EXHIBIT D

ACADEMIC AND TESTING

PROBLEM

- 1) There were only two American Indian students who entered the teacher certification program because of the culturally-biased testing required for entrance in 1985-86.

RECOMMENDATION

Revise entrance and exit test in teacher education and certification. The tests PPST and NTE are culturally biased and are a barrier to Indian students in education.

RATIONALE

Many other factors are involved in making a quality teacher.

RESPONSIBILITY

Dean of the College of Education and the Chairman of CIMTE Department

TYPE OF NEED

Policy and implementation

TIMELINE

May 1987

FOLLOW-UP

Anita Pfeiffer

PROBLEM

- 2) There is a lack of strong academic supportive services for American Indian students, especially in the areas of communication skills and mathematics.

RECOMMENDATION

Implement an integrated academic supportive service program for American Indian students

ACADEMIC AND TESTING (continued)

in the areas of communicative skills and math.

RATIONALE

American Indian students, similar to the Foreign student, need extra help in writing and skills.

RESPONSIBILITY

Native American Studies (NAS), Math and English Departments; Skills Center, and ESL Writing Program

TYPE OF NEED

Program development and implementation

TIMELINE

October 15, 1987

FOLLOW-UP

Mari-Luci Jaramillo
English Dept. Chair-
person
Director of Freshman
English

PROBLEM

- 3) There is no comprehensive program for American Indian students who have special language and culture needs.
-

RECOMMENDATION

Develop a comprehensive plan that's both short-and long-range which addresses this need.

ACADEMIC AND TESTING (continued)

RATIONALE

Many of the students' problems in and out of class are attributed to the language and cultural backgrounds.

RESPONSIBILITY

Board of Regents

TYPE OF NEED

Policy program development and implementation

TIMELINE

January 1987

FOLLOW-UP

Mari-Luci Jaramillo
Anita Pfeiffer
Cynthia Begay

PROBLEM

- 4) There is no clear, comprehensive statement of philosophy, goals, objectives of the existing Native American Studies Office.
-

RECOMMENDATION

Develop a comprehensive plan, short and long range, which specifies philosophy, goals and objectives. Provide staff release to accomplish this goal.

RATIONALE

Priorities for Academic programs need to be established. Fiscal year 1986-1987 needs to be modified to reflect priorities.

ACADEMIC AND TESTING (continued)

RESPONSIBILITY

NAS/Office of Academic Affairs/Planning and Administration

TYPE OF NEED

Policy and implementation

TIMELINE

January 1987

FOLLOW-UP

Barbara Hobson

PROBLEM

- 5) The policy committee doesn't include students and staff to oversee, approve, and evaluate Native American Studies.
-

RECOMMENDATION

Establish a policy committee made up of faculty, staff and student to oversee, approve and evaluate NAS.

RATIONALE

A checks and balances system is necessary for effective program development.

RESPONSIBILITY

NAS/Vice President Academic Affairs/Planning and Administration Office

TYPE OF NEED

Policy

TIMELINE

January 1987

FOLLOW-UP

Luci Tapahonsa

ACADEMIC AND TESTING (continued)

PROBLEM

- 6) There is no undergraduate degree program (major or minor) in American Indian Studies available on campus.

RECOMMENDATION

Implement a degree program in American Indian Studies. Create an Ad Hoc committee representing different departments to oversee the implementation of this program.

RATIONALE

Latin American Institute is an example that this need can be met.

RESPONSIBILITY

NAS/Office of Academic Affairs/Planning and Administration Office

TYPE OF NEED

Implementation

TIMELINE

May 30, 1987

FOLLOW-UP

Barbara Hobson

PROBLEM

- 7) There is no on-going forum for planning, developing, implementing, and evaluating programs which focus on issues, concerns, and problems peculiar to American Indian students.

RECOMMENDATION

An annual statewide symposium be initiated to plan, develop, implement and evaluate pro-

ACADEMIC AND TESTING (continued)

grams of concern to American Indian students in higher education.

RATIONALE

Indian tribes in the Southwest need to share and develop plans for resolving major issues affecting their lives (i.e., Economic; Educational, Legal, etc.)

RESPONSIBILITY

NAS/Office of Academic Affairs/Planning and Administration Office

TYPE OF NEED

Implementation

TIMELINE

January 1987

FOLLOW-UP

Regis Pecos
Mari-Luci Jaramillo

PROBLEM

8) There are only two tenured American Indian professors on campus.

RECOMMENDATION

Additional tenure-line faculty should be hired to reflect the goals of Affirmative Action.

RATIONALE

Role models needed for American Indian students and UNM need to reflect cultural and demographic aspects of the Southwest.

ACADEMIC AND TESTING (continued)

RESPONSIBILITY

Board of Regents and College Deans

TYPE OF NEED

Hiring

TIMELINE

May 1987

FOLLOW-UP

Anita Pfeiffer

PROBLEM

- 9) There is no class or seminar offered to assist graduate students to analyze, synthesize, evaluate the-ethics, privileges, protocol of sacred, and-secular concerns--involved in working with American Indian communities.
-

RECOMMENDATION

A course should be offered to fill this void.

RATIONALE

Professionals who work with various Indian tribes in the Southwest can be more effective if they have knowledge of their language and cultures.

RESPONSIBILITY

NAS and Graduate Studies Office

TYPE OF NEED

Course offering

TIMELINE

March 1987

FOLLOW-UP

Lucille Stilwell

ACADEMIC AND TESTING (continued)

PROBLEM

10) There is no overall policy committee to oversee and evaluate all American Indian UNM campus programs.

RECOMMENDATION

Establish this task force to oversee and evaluate UNM American Indian programs.

RATIONALE

A checks and balances system is needed for effective programming.

RESPONSIBILITY

Board of Regents

TYPE OF NEED

TIMELINE

FOLLOW-UP

January 1987

Task Force members

EXHIBIT D

FINANCIAL AID

PROBLEM

- 1) There is no one in a top financial aid position who is aware and understands the many and special circumstances of American Indian students.
-

RECOMMENDATION

Hire a qualified financial aid officer with a demonstrated concern and interest in working with American Indian students.

RATIONALE

By having one designated person in Financial aid to work with American Indian students, there will be more continuity and better service to American Indian students.

RESPONSIBILITY

UNM Native American Task Force, Office of Student Affairs

TYPE OF NEED

Hiring

TIMELINE

Spring 1987

FOLLOW-UP

UNM Native American
Task Force Represent-
ative of Tribe Agen-
cies

PROBLEM

- 2) Many American Indian students who have applied for financial aid are not encourage to receive follow-up financial aid counseling.
-

FINANCIAL AID (continued)

RECOMMENDATION

Institute a procedure that would require incoming freshmen and transferring students to visit a financial aid counselor during orientation to the University.

RATIONALE

Because many American Indian students become frustrated with existing procedure, they are lost and become potential drop-outs.

RESPONSIBILITY

Board of Regents, UNM Native American Task Force, Office of Student Affairs

TYPE OF NEED

Policy development

TIMELINE

Spring 1987

FOLLOW-UP

UNM Native American
Task Force Tribal
Agencies

PROBLEM

- 3) The financial aid process for American Indian students is too complex due to the various funding agencies, deadlines, and requirements.
-

RECOMMENDATION

- 1) Develop a better way to help students meet deadlines applying for aid and getting required documents.
 - 2) Develop a better working relationship between the financial aid office and Student Services.
-

FINANCIAL AID (continued)

RATIONALE

Developing a smoother processing system in financial aid for American Indian students will encourage more students to remain on campus.

RESPONSIBILITY

Financial Aid, Student Services, Tribal Agencies

TYPE OF NEED

Policy development

TIMELINE

Spring 1987

FOLLOW-UP

UNM Native American
Task Force Tribal
Agencies

PROBLEM

- 4) The financial aid office of the Gallup UNM Branch has a different philosophical awarding process than that of the UNM main campus, which may penalize adequate funding of Navajo students at the Gallup Branch.

RECOMMENDATION

- 1) To identify a more standardized funding philosophy between the two financial aid offices.
2) To open better communication between the two financial aid offices.

RATIONALE

To ensure equal and fair funding formulas to all Navajo students attending the Gallup and main UNM campuses.

FINANCIAL AID (continued)

RESPONSIBILITY

Gallup and Main campus Financial Aid Offices, Student Services, Navajo Tribal Scholarship Office

TYPE OF NEED

Policy development
and implementation

TIMELINE

Spring 1987

FOLLOW-UP

UNM Native American
Task Force Tribal
Agencies

PROBLEM

- 5) The lack of statistical information concerning appropriated monies from federal, state, tribe and private foundations does not get back to the students. Recurring problems each year could be reduced considerably by utilizing statistical information.
-

RECOMMENDATION

Financial aid could provide statistical information to implement financial aid changes where specific student needs are identified.

RATIONALE

Financial aid could establish statistical data to justify a permanent financial aid person and create a smoother processing procedure.

RESPONSIBILITY

Financial Aid UNM Task Force

FINANCIAL AID (continued)

TYPE OF NEED

Policy development
and implementation

TIMELINE

Spring 1987

FOLLOW-UP

UNM Native American
Task Force Tribal
Agencies

PROBLEM

- 6) There is no consolidated student financial aid handbook for American Indian students that explains funding procedure and various funding sources.
-

RECOMMENDATION

- 1) To identify and develop a comprehensive student handbook on financial aid sources for American Indian students.
 - 2) The handbook should include campus-based aid, federal, state, tribal and private funding sources.
-

RATIONALBE

Better informed Native American students will be able to continue with school.

RESPONSIBILITY

Student Services, Financial Aid, Tribal Agencies

TYPE OF NEED

Student financial aid
handbook

TIMELINE

Spring 1987

FOLLOW-UP

UNM Native American
Task Force Tribal
Agencies

EXHIBIT D

AFFIRMATIVE ACTION AND POLICY

PROBLEM

- 1) Academic year 85-86 had 751 American Indians enrolled or about 3% of the total enrollment. The attrition rate before graduation is between 70-75%.

RECOMMENDATION

Develop a program to recruit and retain them utilizing the Report on State's Role in Native American Higher Education and the Report on Student Hearing on February 28, 1986.
Use Native American expertise to provide a meaningful program.

RATIONALE

UNM should reflect the population composition of New Mexico, which is 7% American Indian. UNM is located in a major Indian populace in that two thirds of all Indians on reservation lands reside in New Mexico and Arizona (U.S. Census, 1980)

RESPONSIBILITY

Native American Studies and Student Services

TYPE OF NEED

Policy and Implementation

TIMELINE

Submission of Plan
February 1987

FOLLOW-UP

Ted Jojola
Lucille Stilwell
Mari-Luci Jaramillo

PROBLEM

- 2) There are 469 administrative staff (Executive, Administrative, Managerial). Six of these are supposedly American Indian.

AFFIRMATIVE ACTION AND POLICY (continued)

There are 4,300 full-time staff members, 93 are supposedly American Indian

RECOMMENDATION

- 1) Provide a monitoring system to aid the recruitment and hiring of American Indians in administrative and staff positions.
 - 2) Establish guidelines on who qualifies as an American Indian.
-

RATIONALE

There are no Executive Cabinet members who are American Indian. UNM also has no senior-level administrators in Admissions and Records, Financial Aid, School Relations, University Arts & Sciences, Medicine, Graduate Studies, etc.

RESPONSIBILITY

Affirmative Action Office

TYPE OF NEED	TIMELINE	FOLLOW-UP
Policy and Implementation	1) Hiring Report October 1986 Definition of American Indian	Regis Pecos

PROBLEM

- 3) The total number of faculty positions at UNM is 1,509 with 17 of these supposedly American Indian. Of these, there are only two assistant professors, one associate professor, and one professor; the rest are lecturers and instructors.
-

AFFIRMATIVE ACTION AND POLICY (continued)

RECOMMENDATION

Adopt and implement a policy and plan that would recruit and increase the number of American Indian faculty in the tenure line positions.

RATIONALE

Presently there are only three tenure line American Indian faculty.

RESPONSIBILITY

Affirmative Action Office

TYPE OF NEED

Policy and Implementation

TIMELINE

November 1986

FOLLOW-UP

Regis Pecos

EXHIBIT D

ON-SITE AND COMMUNITY OUTREACH

PROBLEM

- 1) There are no regular state funded UNM credit programs on-site in the Indian communities at this time.
-

RECOMMENDATION

Include on-site programs in the regular FTE funding formula for allocation of classes to meet the needs of the Indian people of the state.

RATIONALE

Numerous requests come in from on-site coordinations, scholarship officials, and students of the different tribes in New Mexico and Arizona. All had successful federally funded on-site programs at one time.

RESPONSIBILITY

BEF, and UNM

TYPE OF NEED

State level policy and
UNM implementation

TIMELINE

December 1986

FOLLOW-UP

Joseph Suina
Rena Salazar

PROBLEM

- 2) There is no comprehensive information on the higher educational needs of the various Indian communities in New Mexico
-

ON-SITE AND COMMUNITY OUTREACH (continued)

RECOMMENDATION

- 1) Conduct a survey of on-site needs
 - 2) Conduct a study on quality on-site program delivery
-

RATIONALE

- 1) Numerous requests come in from on-site coordinators, scholarship officials, and students of the different tribes in New Mexico and Arizona. All had successful federally funded on-site programs at one time.
 - 2) Indian tribes have invested a lot of money and youth in UNM higher education without direction in what would be most beneficial to them.
-

RESPONSIBILITY

UNM Presidents Office and Tribal Offices of Education

TYPE OF NEED

Implementation

TIMELINE

June 1987

FOLLOW-UP

Joseph Suina
Rena Salazar

PROBLEM

- 3) Quality course delivery to on-site areas is sorely needed in the Indian communities.
-

RECOMMENDATION

Deliver quality on-site programs based on the needs of the communities.

ON-SITE AND COMMUNITY OUTREACH (continued)

RATIONALE

Numerous request come in from on-site coordinators, scholarship officials, and students of different tribes in New Mexico and Arizona. All had successful federally funded on-site programs at one time.

RESPONSIBILITY

UNM Presidents Office and Tribal Offices of Education

TYPE OF NEED

Program development and
Implementation

TIMELINE

August 1987

FOLLOW-UP

Joseph Suina
Rena Salazar

EXHIBIT D

STUDENT SERVICES

PROBLEM

- 1) There is a lack of coordination among the various existing support services on campus in relation to American Indian students.
-

RECOMMENDATION

Academic Support services for all American Indian student should be coordinated by and instituted in the Office of Native American Student Services (AISS).

RATIONALE

Increased communication among the various student support services and programs on campus will result with NASS serving as the centralized location for all support activities related to American Indian students.

RESPONSIBILITY

Native American Student Services and Office of Student Affairs

TYPE OF NEED

Implementation

TIMELINE

Fall 1986

FOLLOW-UP

Joseph Suina

PROBLEM

- 2) American Indian freshmen, transfer, and returning students enter the University of New Mexico with little or no orientation to campus life.
-

STUDENT SERVICES (continued)

RECOMMENDATION

- 1) Establish a one-week summer orientation program which will address college survival and techniques and study skills and continue to work closely with the College Enrichment Program.
- 2) Select key support staff and faculty members on the UNM campus who will assist with the summer orientation.

RATIONALE

Services provided to American Indian students related to counseling, academic advisement and orientation of Freshmen and returning students are fragmented. Centralizing these services in NASS will help with early identification of high risk students and enable better tracking of American Indian students.

RESPONSIBILITY

Native American Student Services (NASS), Native American Program in the College of Engineering (NAPCOE), will continue to work with College Enrichment Program (CEP) Director to plan and implement the scheduled activities.

TYPE OF NEED

Implementation

TIMELINE

Short-term Summer 1986
Long-term Summer 1987

FOLLOW-UP

Sharlene Begay

PROBLEM

- 3) American Indian freshmen, transfer and returning students to UNM receive limited academic advisement and counseling.

STUDENT SERVICES (continued)

RECOMMENDATION

- 1) Increase emphasis on a systematic, comprehensive counseling and advisement program for entering freshmen and transfer students.
- 1) University College will refer all American Indian students to NASS or NAPCOE for advisement.

RATIONALE

Increased communication among the various student support services and programs on campus will result with NASS serving as the centralized location for all support activities related to American Indian students.

RESPONSIBILITY

University College/Office of Student Affairs/NASS and NAPCOE

TYPE OF NEED

Implementation

TIMELINE

Fall 1987
Spring 1986

FOLLOW-UP

Joseph Suina

PROBLEM

- 4) Lack of coordinated tutoring and not enough peer tutoring.

RECOMMENDATION

Establish peer tutoring and coordinate the various groups that offer tutoring.

STUDENT SERVICES (continued)

RATIONALE

American Indian students need a lot of good quality tutoring

RESPONSIBILITY

Native American Student Services/Native American Program in Engineering

TYPE OF NEED

Implementation and money

TIMELINE

Spring 1987

FOLLOW-UP

Sharlene Begay

PROBLEM

- 5) Academic goals are not clearly identified for American Indian freshmen students resulting in unsatisfactory academic progress.
-

RECOMMENDATION

NASS will refer to Career Planning and Placement all undecided American Indian freshmen for career counseling.

RATIONALE

American Indian students spend an additional two years in college due to indecisiveness in selecting a major. Selecting a major early gives students direction and motivates them to continue.

RESPONSIBILITY

STUDENT SERVICES (continued)

Career Planning, Placement, NASS

TYPE OF NEED	TIMELINE	FOLLOW-UP
Clarification goals	Spring 1987	Office of Academic Affairs/Office of Student Affairs/and Dean of University College

PROBLEM

- 6) There are a limited number of American Indian high school students recruited into UNM's Presidential, Excel, Sterling and other academic scholarship programs as well as Athletic scholarships.
-

RECOMMENDATION

Information be made available to a larger number of American Indian high school students through the Office of CEP and OSR. To have OSR & CEP, NASS & NAPCOE work more closely together to map out strategies to relate the information regarding scholarships to increase the number of awards.

RATIONALE

Not all counselors in high schools with large numbers of American Indian students are aware of scholarships that are available.
Working with these counselors as a unit will increase scholarship recipients.

RESPONSIBILITY

STUDENT SERVICES (continued)

Office of School Relations/College Enrichment Program/NASS and NAPCOE

TYPE OF NEED	TIMELINE	FOLLOW-UP
Implementation	Sprint 1987 Fall 1987	Joseph Suina
PROBLEM		
7) Additional funding is needed to improve Native American programs.		
RECOMMENDATION		
University continue to look for funds to support retention efforts; i.e., tutors, counselors, and advisors.		
RATIONALE		
The Native American student population is growing with budgets remaining the same. Some of the monies available come from private sources.		
RESPONSIBILITY		
President of the University		
TYPE OF NEED	TIMELINE	FOLLOW-UP
Funding	Ongoing	Board of Regents

STUDENT SERVICES (continued)

PROBLEM

- 8) Because of the complexity and great variety of tribal needs on the reservations, students, faculty and staff are not aware of needed fields and specialized professions.

RECOMMENDATION

Make this information available to all students, staff, and faculty at the University.

RATIONALE

Each tribe has its own needs. These are not conveyed to counselors or students.

RESPONSIBILITY

Native American Student Services/Native American Program in Engineering

TYPE OF NEED

Implementation

TIMELINE

Ongoing

FOLLOW-UP

Joseph Suina

EXHIBIT E

GETTING DOWN TO BUSINESS
THE NAVAJO PRE-COLLEGE PROGRAM IN BUSINESSCURRICULUM

Through daily classroom sessions, field trips and industry tours, participants will study a variety of business topics and career fields. Students also will meet with visiting corporate and government leaders.

The program is structured to encourage student involvement and interaction with faculty in the investigation of business issues. Students will be responsible for reading and homework assignments and will be expected to take part in projects requiring decision making, policy formulation, and the analysis of economic problems.

The following subject areas will be included in the program curriculum at all three universities.

- Basic Economic Theory and its Application to Management and Business
- Accounting
- Finance
- Management
- Computer Information Systems
- Marketing
- Entrepreneurship and Small Business
- Corporate Strategies
- Government Regulation and Consumerism

EXCURSIONS

Although the focus of the program is primarily academic, recreational and cultural activities are included as well. Week-end outings, visits to historical landmarks are planned.

EXHIBIT F

ABSTRACT

Comprehensive Campus - Wide Alcohol
and Drug Abuse Prevention Program

A comprehensive campus-wide program is proposed for the primary and secondary prevention of drug use and alcohol abuse among the 24,000 students of the University of New Mexico. The overall goal of the program is to create a campus atmosphere in which (1) abstinence is acceptable in all situations, (2) use of illegal substances and under-age drinking is unacceptable in all situations, (3) moderate alcohol use is not opposed in low-risk situations, (4) any use of alcohol is unacceptable in high risk situations, and (5) heavy drinking is opposed in all situations. A multi-modal approach is proposed to impact a maximal number of students. The guiding conceptual strategy is a motivational psychology model drawing on three empirically-based theories: Protection motivation theory (Rogers, 1975; Rogers & Mewborn, 1976; Rogers et al., 1978), stages of change theory (Prochaska & DiClemente, 1986), and decisional balance theory (Appel, 1986; Janis & Mann, 1977). These are integrated into a broad intervention strategy (Miller, 1983, 1985) which impacts affective and motivational systems to alter perceptions and expectations regarding alcohol and drugs. The intent is to effectively undermine positive perceptions of drug use and alcohol abuse, to increase salient aware-

ness of their negative consequences, and to promote healthy alternatives. This approach is consonant with current empirical evidence regarding effective strategies both in prevention and in treatment.

EXHIBIT G

COPING PROCESSES DURING STRESSFUL TRANSITIONS
AMONG AMERICAN INDIAN COLLEGE STUDENTSSPECIFIC AIMS

Past research converges on the conclusion that the life transitions experienced by American Indian adolescents and young adults result in vulnerability for serious psychologic dysfunction and mental illness (Dinges, Trimble & Hollenbeck, 1979). A pattern of academic failure associated with a variety of coping problems, including symptoms of depression, seriously diminished self-esteem, and other psychological dysfunctions has been demonstrated (Wax & Thomas, 1987). Research on personality development indicated that Indian adolescents showed a pattern of increasing prevalence of depression associated with emotional difficulties throughout the high school years (Bryde, 1970). Extensive survey research demonstrated that Indian youth has mental health service utilization rates 2 to 3 times higher than non-Indians for all types of major coping problems and emotional dysfunction (Beiser & Attneave, 1982). Their service utilization pattern was characterized by a high correlation between mental health problems and various types of substance abuse. Specific studies of substance abuse behavior in Indian boarding schools demonstrated that alcohol abuse was strongly associated with depression, suicide attempts, poor academic performance and subsequent school dropout (Shore & Manson, 1981).

The purpose of this study is to clarify the relationship bet-

ween the coping processes employed by American Indian students in college education programs during stressful life transitions and the various psychological dysfunctions experience by the population. Although the prevalence of serious psychological dysfunction among this population is significant, not all American Indian Students fail to cope with their life situations or resort to alcohol or drugs as a means of managing emotional dysfunction. It is critical to identify the factors which differentiate those who fail to cope from those who do not, and to relate these differential coping outcomes to the cultural factors involved in stressful life transition. Accordingly, the specific aims of this study are to:

- 1.) Establish the degree of stressfulness of the various life transitions experienced by American Indian students in different tribal/cultural regions of the Western United States;
- 2.) Investigate the relationship between various indicators of psychological dysfunction and the coping processes involved in dealing with these stressful life transitions;
- 3.) Relate the indicators of serious psychological dysfunction and the nature of the coping processes involved to characteristics of the available social support systems;

- 4.) Refine examination of the relationships between stressful life transitions, indicators of psychological dysfunction and coping processes to establish modal patterns with which to predict degrees of vulnerability during stressful life transitions.
- 5.) Employ the conclusions of this study to develop transition-specific and person-specific prevention programs that can be implemented to reduce or prevent serious psychological dysfunction or mental illness during and after such stressful life transitions.

EXHIBIT H

AMERICAN INDIAN STUDENT SERVICES
UNIVERSITY OF NEW MEXICO
GRADUATE PROGRAMS
SPRING 1987

MASTER OF ARTS

NAME	TRIBE	MAJOR
Tim J. Analla	Laguna Pueblo	Educational Foundations
Phillip L. Deste	Navajo	Elementary Education
Barbara Alieda Hoe	Zuni Pueblo	Special Educaiton
Gus Harold Keene Jr.	Navajo	Educational Administration
Cynthia L. Lujan	Isleta Pueblo	Elementary Education
Lucie Marianito	Navajo	Elementary Education
Rose Nofchissey	Navajo	Secondary Education
Olivia J. Skenandore		Special Education
Eulynda June Toledo		Special Education
Charlene Ann Yatsattie		Secondary Education

MASTER OF ARTS IN PUBLIC ADMINISTRATION

Elizabeth L. Wells	Master of Art in Public Administration
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DOCTOR OF PHILOSOPHY

Gerald Orage Hobson	Cherokee/Quapaw	American Studies
Dissertation: "Indian Country: A Critical Examination of Native American Literature since 1968"		
Carol A. Lujan	Navajo	Sociology
Dissertation: "American Indians: The Impact of Social Integration on Legal Perceptions among two Southwestern Tribes"		

GRADUATE PROGRAMS

spring 1987

Continue - 2

NAME	TRIBE	MAJOR
Alice Neundorf	Navajo	Educational Foundations
Dissertation: Bilingualism: A Bridge to Power for Interpreters and Leaders in the Navajo Tribal Council"		
Jerry Dale Kinkade		Counselor Education
Dissertation: "The Effects of Parental Acceptance Rejections in Personality Development in Pueblo Indians"		

DOCTOR OF EDUCATION

William Nathan Gilbert		Physical Education
The Cultural Values of The Sports and Games of the Hopi Indians of Arizona and a Unit of Instruction Reflecting their Games and Activities"		

EDUCATION SPECIALISTS IN
THE COLLEGE OF EDUCATION

Della Rose Frank	Navajo	Curriculum and Instruction
Cornel Pewewardy	Pawnee	Educational Administration

FINAL HONORS GENERAL HONORS PROGRAM

Lisa L. Dancy		magna cum laude Presidential Scholars
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AMERICAN INDIAN STUDENT SERVICES

UNIVERSITY OF NEW MEXICO

Candidates for Degrees, Spring 1987

MAJ

Main Campus

BACHELOR OF ARTS

NAMES	TRIBE	MAJOR
Roberson David Becenti	Hopi/Navajo	Psychology
Peggy Lee Bird	Santo Domingo	Journalism
Roxanne Damon	Navajo	Sociology
Lisa L. Dancy		Art
Raymond Albert Daw	Navajo	
Constance King	Oneida	English
Karoline King	Oneida	Business/Travel
Tommy E. Laughlin	Navajo	Art
Carol Lynn Lente	Laguna	English/Art
Sampson Martinez	Navajo	Political Science
Alice Ann McLish	Creek	Creative Writing
Lawrence Sorrell	Navajo	Art
Sheila M. Tousey	Nunme/Wisconsin	Theater Arts
Simon A. Tsamantanis		
Irene Valerie Tse-Pe	San Ildefonso	Sociology
Fredrick Green Weller	Caddo	Criminal Justice
Faylene Joyce Wytewa	Hopi	Art

Candidates for Degrees - 1987
 Continue - pg 2
 Main Campus

BACHELOR OF SCIENCE

NAME	TRIBE	MAJOR
Marcia Sacheen Castano	Seminole	Physics/Biology
Kevin Juan Goodluck	Navajo	
Louis Arthur Redmond	Euraka, Mohawk	Anthropology
Charlotte Sophia Toledo	Jemez/Kiowa	Biology

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Cynthia A. John	Navajo	Mechanical Engineering
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ASSOCIATE OF SCIENCE IN PRE-ENGINEERING

Michael Edward Early	Laguna	Pre-Engineering
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BACHELOR OF ARTS IN RECREATION

Dolly Lou Begody	Navajo	Recreation
David Peter Nez	Navajo	Recreation
Lucinda Marie Thomas	Navajo	Recreation

BACHELOR OF SCIENCE IN EDUCATION

Pauline Freeland	Navajo	Education
Louise J. Luther	Navajo	Education

BACHELOR OF SCIENCE IN INDUSTRIAL EDUCATION

Daniel Elmer Aguilar	Santo Domingo	Industrial Education
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Candidates for Degree - 1987
 Continue - pg 3
 Main Campus

BACHELOR OF ARTS IN FINE ARTS

NAME	TRIBE	MAJOR
Carol A. Gerlach	Navajo	Arts/Fine Arts

BACHELOR OF FINE ARTS

Gary Gene Johnson	Navajo	Fine Arts
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BACHELOR OF BUSINESS ADMINISTRATION

Alberta Bitsoi	Navajo	Business Administration
Karoline King	Oneida	Business Administration
Helen B. Padilla		Business Administration
Jennie Tso	Navajo	Business Administration

BACHELOR OF SCIENCE IN NURSING

Winona Begay	Navajo	Science in Nursing
Emily R. Watchman	Navajo	Science in Nursing
Randall Zunie	Zuni	Science in Nursing

BACHELOR OF UNIVERSITY STUDIES

Marthia C. Chavez		University Studies
David T. Gomez	Taos Pueblo	University Studies
Barbara G. Morgan	Navajo	University Studies

Candidates for Degree - 1987
 Continue - pg 4
 Main Campus

BACHELOR OF ARTS IN ARCHITECTURE

NAME	TRIBE	MAJOR
Michael Jon Trujillo	Taos/Acoma	Architecture

JURIS DOCTOR

Karen Jean Atkinson		Law
Rosalie Chavez	San Felipe	Law
Leonard Joseph Foster	Jemez/Navajo	Law
Sarah Jane Pletero Foster	Navajo	Law
Camille Parrish Koehler	Seminole	Law
Elsie Briley Salcido	Navajo	Law
Rita Jeanne Sandoval	Navajo	Law
Jana Lynn Walker		Law

ASSOCIATE OF SCIENCE IN RADIOLOGIC TECHNOLOGY

Rae M. Bowannie	Zuni	Radiologic Technology
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ASSOCIATE OF APPLIED SCIENCE IN BUSINESS TECHNOLOGY

Victor Leonard Jojola	Isleta	Business Technology
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BACHELOR OF SCIENCE IN DENTAL HYGIENE

Monica D. Pasquale	Acoma	Dental Hygiene
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ASSOCIATE OF SCIENCE IN DENTAL HYGIENE

Laurie Jo Robinson	Euraka, Mohawk	Dental Hygiene
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AMERICAN INDIAN STUDENT SERVICES

UNIVERSITY OF NEW MEXICO

Gallup Branch College

Spring 1987

ASSOCIATE OF APPLIED SCIENCE IN AUTOMOTIVE TECHNOLOGY

NAME	TRIBE	MAJOR
Daniel Martin	Navajo	Automotive Technology
Paul Martin Jr.	Navajo	Automotive Technology
Wesley Rogers	Navajo	Automotive Technology
Larry Lee Sanbrero	Navajo	Automotive Technology

ASSOCIATE OF APPLIED SCIENCE IN CONSTRUCTION TECHNOLOGY

Lynley Bitsie	Navajo	Construction Technology
Andrew Pino		Construction Technology

ASSOCIATE OF APPLIED SCIENCE IN DIESEL ENGINEERING TECHNI-BUSINESS

Patrick McCabe	Navajo	Diesel Engineering Techni-Business
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ASSOCIATE OF APPLIED SCIENCE IN GENERAL STUDIES

Theresa A. Becenti	Navajo	General Studies
Marlene Boyd		General Studies
Rebecca Quam	Zuni	General Studies

ASSOCIATE OF APPLIED SCIENCE IN GENERAL SUPERVISION

Marlene Boyd		General Supervision
Raeleva Victoria Paywa	Zuni	General Supervision
Ramona Yazzie	Navajo	General Supervision

Gallup Branch College
 Continue - pg 2
 Spring - 1987

ASSOCIATE OF APPLIED SCIENCE IN MICROCOMPUTER OPERATION

NAME	TRIBE	MAJOR
Charlotte T. Bradley	Navajo	Microcomputer Operator
Lorraine A. Hood	Navajo	Microcomputer Operator
Rose Lee	Navajo	Microcomputer Operator
Marlene Nastacio	Zuni Pueblo	Microcomputer Operator

ASSOCIATE OF ARTS IN BUSINESS SECRETARIAL PROGRAM

Raeleva Victoria Paywa	Navajo	Business Secretarial
Phillip G. Antonio	Navajo	Business Secretarial
Anita C. Begay	Navajo	Business Secretarial
Vera Jean Cardy-House	Navajo	Business Secretarial
Karen H. Cheanma	Zuni Pueblo	Business Secretarial
Rolena Johnson	Zuni Pueblo	Business Secretarial
Ruby Mary Nez.	Navajo	Business Secretarial
Bernillia Rae Seciwa	Zuni Pueblo	Business Secretarial
Marlene Tsosie	Navajo	Business Secretarial
Darlene Vicenti	Zuni Pueblo	Business Secretarial

ASSOCIATE OF ARTS IN CRIMINAL JUSTICE

Terry Whitman	Navajo	Criminal Justice
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ASSOCIATE OF ARTS IN EDUCATION

Lula Boyd	Navajo	Art in Education
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Sara M. Dooley	Navajo	Art in Education
Tonita Yuselew	Zuni Pueblo	Art in Education

ASSOCIATE OF ARTS IN LIBERAL ARTS

Ethel House	Navajo	Liberal Arts
Glen Jim	Navajo	Liberal Arts

ASSOCIATE OF ARTS IN PRE -PROFESSIONAL EDUCATION

Zonnie Gorman	Navajo	Professional Education
Rebecca Quam	Zuni Pueblo	Professional Education

ASSOCIATE OF SCIENCE IN NURSING

Margret Rose Becenti	Navajo	Nursing
Marlene Kay Olson	Navajo	Nursing
Chantel Trina Pahe	Navajo	Nursing
Wanda Ross	Navajo	Nursing
Wanda A. Shirley	Navajo	Nursing
Marlene Y. Taliman	Navajo	Nursing
Betty R. Taylor	Navajo	Nursing

UNM Child Care Center
Annual Report - Fiscal Year 1986-87

Monica M. Inchody
Assistant Director

DEVELOPMENTS

Barbara A. Singleton, Ed.D began her duties as the second director of the sixteen year old UNM Child Care Center on July 1, 1986. We had a huge task ahead of us -- rewriting the nearly non-existent parent handbook, creating written financial and program policies, making the billing system work, updating the waiting list, planning fundraisers to go along with our calendar of events, making our registration procedures more complete and efficient, getting staff and parents acquainted with the new administration, rebuilding a respectable reputation in order to build up our enrollement, and maintaining a good program. All of this plus our goal to live within our budget.

The most time consuming of all our tasks was of course the fundraising efforts which included a yard sale, two raffles, a children's film series, a t-shirt sale, and a silent art auction. The Center raised approximately \$6500.00 with these efforts.

On May 26, 1987 all employees received lay-off notices and President Gerald May announced the closing of the Center effective June 30, 1987, due to fiscal problems.

Due to the combined efforts of staff, parents, and the administration, the UNM Child Care Center was given another year to be fiscally responsible under new leadership. Barbara A. Singleton was terminated effective July 31, 1987.

PLANS FOR THE FUTURE

Our objectives for the 1987-88 Fiscal Year include creating a sound financial program, continuing our role as a model child care center, enhancing our program by providing evening care for students and University staff who take classes and work at night, and establishing a successful fundraising base for future endeavors.

APPOINTMENTS AND SEPARATIONS

The following employees were added to our staff during the year:

1. D'arcy Purcell - 7/7/86 (Lead Teacher)
2. Nestorita Velasquez - 7/14/86 (Cook III)
3. Vernon Tsoodle, Jr. - 7/21/86 (Clerical Specialist V)
4. Fiamma Bastian - 8/4/86 (Teacher Aide)
5. Jeffrey-Earrest - 8/4/86 (Teacher Aide)

(Continued)

7. Ellen Elmore - 8/4/86 (Teacher Aide)
8. Victoria Martinez - 8/4/86 (Teacher Aide)
9. Joan Maclean - 8/6/86 (Teacher Aide)
10. Lisa Waltz - 8/11/86 (Teacher Aide)
11. Delma Perez - 12/1/86 (Teacher Aide)
12. Judy Anderson - 12/22/86 (Lead Teacher)

The following employees separated from the Center:

1. Rosemary Imhof - 10/1/86 (Lead Teacher)
2. Nestorita Velasquez - 10/20/86
3. Ellen Elmore - 11/7/86
4. D'Arcy Purcell - 5/28/87
5. Jeffrey Earnest - 5/29/87
6. Vernon Tsoodle - 6/26/87
7. Delma Perez - 7/3/87

OUTSIDE PROFESSIONAL ACTIVITIES

The teaching and administrative staff attended the 5th Annual Child Care Center Conference on April 19, 1986 and the Fall Child Care Conference on September 20, 1986. Both conferences were held in Albuquerque. Dr. Singleton attended the 1986 National Association for the Education of Young Children Annual Conference in Washington D.C. in November.

RESEARCH

The UNM Child Care Center is a site for ongoing academic research. The following organizations have participated in research programs with the Center:

1. Anderson School/Graduate School of Management
2. CIMTE
3. College of Education
 - a) Special Education
 - b) Education Foundations
 - c) Family Studies
4. College of Nursing
5. Department of Communicative Disorders
6. Department of Economics
7. Department of Pediatrics
8. Department of Psychology
9. Department of Sociology
10. Manzanita Center

The Annual Report of the College Enrichment Program
July 1, 1986 - June 30, 1987
Dan Chavez, Director

NOTE: Data is current as of August 31, 1986

RECRUITMENT

Objective: To recruit New Mexico graduating high school seniors to the UNM College Enrichment Program by means of a state-wide recruitment program (students applying for financial aid are given first consideration in the selection process) .

Evaluation: 2,610 high school seniors have been recruited to the UNM College Enrichment Program.

Information: Most of the CEP students are:

- .minority students (81%),
- .low ACT scorers (an average of 3.6 points below their UNM cohorts),
- .rural (non-Albuquerque) high school graduates (81%),
- .small high school graduates (66%).

RETENTION

Objective: To assist the CEP students to complete an undergraduate degree program by providing them with a precollege orientation program, counseling, and tutoring.

Evaluation: The average CEP graduation rate is 44%.

Information: 554 CEP students have received one or more undergraduate degrees (572): 43 associate degrees and 529 baccalaureate degrees.

PLACEMENT

Objective: To secure employment or admission to post-baccalaureate degree programs for CEP college graduates by means of extended placement services.

Evaluation: Of the 501 CEP graduates whose whereabouts are known, 459 are employed full-time (366 in New Mexico), 27 are enrolled full-time, eight are full-time homemakers, six are unemployed, and one is retired.

Information: 81 CEP students have received one or more post-baccalaureate degrees (86): 63 master's degrees, 12 JDs, six MDs, two PhDs, two DDSS, and one OD (1 of 7 CEP bachelor's degree recipients receives one or more post-baccalaureate degrees).

OFFICE OF THE DEAN OF STUDENTS

ANNUAL REPORT
July 1, 1986 - June 30, 1987

Karen Glaser
Dean of Students

DIVISION OF STUDENT AFFAIRS

DEAN OF STUDENTS OFFICE

ANNUAL REPORT

July 1, 1986- June 30, 1987

I. INTRODUCTION

In accordance with the overall Mission and Goals as set forth in the University of New Mexico Bulletin Catalogue 1987-88, the members of the Dean of Students staff shall function as educators by contributing, enhancing and fulfilling the concept of a total student development program by:

- A. Creating an environment within which students can choose to experience out-of-classroom learning directed toward their continuing development as maturing, responsible, self-directed citizens.
- B. Providing students the opportunities for personal, social, cultural and intellectual growth within the campus environment.
- C. Analyzing and communicating the needs and concerns of students to the faculty, staff, administration and the community at-large. Acting as advocates for students when appropriate.

- D. Teaching methods and behavior of the self-governing process in a democracy.
- E. Teaching skills that are requisite for responsible, effective and considerate interpersonal relationships.
- F. Removing obstructions to the total educational process.
- G. Enhancing and improving the retention of students admitted to the University.
- H. *Developing a sense of community.

*On the main campus of the University of New Mexico, we realize that to create a sense of community for 24,000 diverse, commuting and part-time students is at best difficult if not impossible. Our goal, however, is to develop a sense of community among groups of students while fostering a sense of belonging and a sense of institutional identity/pride in the University among the members of our various student populations.

The Dean of Students Office is composed of three separate areas: Residence Life, Student Activities and Administration. The Residence Life component encompasses the student personnel aspects of residence

halls which include staff training and development, advising student groups, educational and social programming, student discipline, and staff supervision for six residence halls containing approximately 1900 students. Student Activities is responsible for the chartering of all student organizations, advising ASUNM and GSA, student publications such as the student handbook, advisement of sororities and fraternities/Greek Life, and supervision of the ASUNM/GSA Business Office. The Administrative unit, better known as the Dean of Student Office, conducts exit interviews, advises student groups such as the class honoraries and spirit groups, directs the new student orientation programs, handles student discipline, counsels, advises, makes referrals and frequently serves as an ombudsman for students.

II. SIGNIFICANT DEVELOPMENTS

A. RESIDENCE LIFE

1. **Occupancy/Renewals:** Typical of the past seven years, rooms were tripled to accommodate as many housing requests as possible. Even so, some students

had to locate off campus housing and a few did not enroll as a result. Seventy triple rooms were maintained throughout the course of the fall semester. Projections are that the halls will be filled by mid summer for the coming academic year.

2. **Programming:** Social and educational programming was again at an all time high and was very successful due to the exceptional leadership of the Student Head Resident for Programming. Programs such as Spiritual and Career Fairs, discussions on relationships and eating disorders, a trip to the Mayan exhibit, community awareness involvement and fund raising for Students Against M.S. (SAMS) were only a few of the successful programs.

3. **Student Behavior:** Although student disciplinary issues were at the usual active level, the staff perception is that they had to deal with fewer incidences and the level of vandalism has decreased somewhat. This is due, in part, to the fact that the football players were dispersed throughout the halls, a male advisor was added to the Hokona staff in place of the coaching staff, and higher expectations for more responsible student behavior were set.

Once again mental health problems, although slightly fewer in number, continued to require significant staff attention throughout the year. Mental health issues include: eating disorders, depression, suicide threats and attempts, substance abuse and stress related problems. (Please note the Alcohol Awareness Survey which was conducted by the Educational Programming Committee and included as a part of this annual report.)

4. Student Staff Recruitment/Staff Development: The number of applications for staff positions for Resident Advisor and Student Head Resident increased during this year with approximately four times as many applicants as vacancies. The Staff Development Committee is responsible for developing and planning the major student staff workshops and the bi-monthly staff seminar programs. This approach has proven to be effective in terms of staff involvement in and ownership of the content and process of the staff training program.

B. STUDENT ACTIVITIES

The overall goals and objectives for the Student Activities Center are to improve the quality of student life on campus. The Center experiences heavy walk-in traffic with an average of 120 contacts a day. Located in the New Mexico Union Building, it serves as a focal point of contact and general information disbursement for students, staff and University department offices. The Center handles referrals, mail distribution for student organizations, equipment and clearances for outdoor activities, campus posting and major facilities use approval by student organizations. Over the past year, in addition to the Sherman Smith Mall and the duck pond area, the Center assumed scheduling jurisdiction over Yale Park. Last year 230 events were scheduled through the office for the University mall area.

1. Associated Students of the University of New Mexico (ASUNM)

As advisors to the undergraduate student government,

the members of the Student Activities staff maintain frequent contact with elected student leaders and attend all ASUNM meetings including student Senate and committee hearings. The 1986-87 ASUNM President, Mark Hartman, and Vice President, Jim Hoppe, proved to be responsible, respected, well-rounded leaders as did their appointments. Major projects included a strong lobbying effort in Santa Fe regarding tuition and financial aid issues and the creation of a Student Fees Allocation Board. Other major efforts included sponsorship of an Alcohol Awareness Week, an AIDS Awareness project and a National Smoke-Out Day. The **Popular Entertainment Committee** and **Speakers Committee** functioned as usual while the **Film Committee** laid the ground work for acquisition of new 35 mm projector equipment and for the continued renovation of the SUB Theater. Sales at the **Text Book Co-op** rose to an all time high of \$51,000. With the growth, the Co-op is planning to expand in both space and operation next year. This past year was unique in that no issues came before for the **Student Court**.

For the first time in five years ASUNM has a small operating surplus. Students have paid off their debt of \$113,000, accumulated during the period from 1978

through 1983. (See Business Office section of the Student Activities report.)

2. Graduate Student Association (GSA)

The Graduate Student Association experienced some difficulties this year. In October the newly elected president resigned. Another election was held, but lack of continuity in leadership and internal division prevented significant progress. A tremendous amount of staff time was spent on budget allocations and the request for a block grant from the Law and Medical School students. Nevertheless, the financial health of the GSA remains strong. For the first time the Vice President for Research, Dr. Paul Risser, made an \$8,000 allocation of funds to the Student Research Allocations Committee for distribution to graduate student projects.

3. Student Organizations

The Student Activities Center is responsible for chartering and rechartering all student organizations. This past year 253 organizations completed this process. Student membership seems to

remain strong in sporting clubs, religious organizations, fraternities and sororities and honorary organizations.

4. Policies and Procedures

This year a comprehensive Free Speech and Advocacy Policy was developed and adopted by the Regents. This new policy provides guidelines for better coordination and control of programs in the mall areas, while maintaining optimal student and public access.

There still exists a pressing need for a campus-wide vending policy. Vendors unaffiliated with UNM populate the mall areas on a regular basis. The current policy is unclear and does not allow for adequate or consistent control of vending activities. It is our understanding that a proposed vending policy which has been addressed by various committees over the years is under consideration by the University Counsel's Office. This policy needs to be acted upon and adopted by the Regents as soon as possible. This issue has been "on the back burner" for six years.

Two other problematic areas also need attention. They

are campus scheduling and individual and group liability issues as they pertain to student events and activities. In terms of scheduling, conflicting events, parking problems, inconsistent application of policy and unauthorized activities point to the lack of coordination in this area. In terms of liability, many organizations, student leaders and advisors are at risk by the nature of the activities and events which their group sponsors. For both there are no ready answers, but the potential problems are many.

5. Fraternities and Sororities/Greek Life

The total Greek membership is approximately 800 undergraduate students, a system which is strong and healthy. A high proportion of Greek members hold leadership positions. Community service, a major aspect of the Greek system, remains at a high level. This year the system completed over 125 service projects and raised over \$40,000 for national and local charitable organizations. The Greeks were the first students to raise and donate money (\$1,000) to the UNM Centennial fund. They also played a major role in the campus effort for SAMS (Students Against Multiple Sclerosis). UNM's efforts resulted in a

national third place ranking for fund raising.

The system is not free of problems. Areas of concern include alcohol and substance abuse, legal liabilities for chapter officers, escalating insurance costs, membership recruitment and financing. An additional problem that faces the system annually is street access on Mesa Vista and Sigma Chi roads. There are many non-affiliated students and non-students who loiter in this area. The potential for confrontation is ever present.

6. Parents' Day Programs

These programs were reinstated this year after a one year absence. The program includes two direct mail Newsletters to parents and a day-long open house on campus with entertainment, receptions, tours, lectures and football game ticket discounts. Approximately 500 guests took advantage of the Parents' Day activities.

7. Recognition Banquet

Over 400 students, parents and staff attended this

successful event in the spring. The banquet remains the only campus-wide event sponsored by UNMN to honor students for their leadership and academic achievements.

8. Other programs and services include the 24-hour Dial Access Telephone Information System which has 233 tape recorded messages and receives an average of 1,000 calls a month, the Student Service Awards, Who's Who Among Students in American Universities and Colleges, Lecture Under the Stars, Leadership America, the Student Centennial Committee, hosted the New Mexico Association of Student Councils' Summer Leadership Workshop, General Motors Spirit Award, the Life Skills Workshop Committee, cosponsored the Last Lecture Series and the Student Volunteer Bureau,

C. ADMINISTRATIVE UNIT/DEAN OF STUDENTS OFFICE

The Dean of Students Office located in the Student Services Center performs and offers a variety of programs and services designed to enhance the education of the student outside the classroom. The staff members in this unit act as problem solvers,

information givers, counselors, public relation officers, educators, disciplinarians, administrators and leaders who develop programs which will serve as appropriate interventions necessary for the social and psychological development of our students.

1. Exit Interviews

During the past year the Dean of Students Office processed 2,545 withdrawals or exit interviews. For a full report and brief analysis of these interviews, please see the attached report regarding this topic.

2. Associated Student Loan Fund

108 student loans totaling \$5615 were made during the past fiscal year. Of the loans which were out, ninety loans have been paid back.

3. Off-Campus Housing

The Off-Campus Housing Listings are one of the most important services the Dean of Students Office provides primarily due to the fact that the vast majority (90%) of our student population commutes to

the campus. We do not have an accurate count of the many who use this service. Peak times occur several months before each semester and during the summer.

4. New Student Orientation Program

The New Student Orientation Program continues to evolve. A great deal of time was spent last year developing a mandatory orientation proposal. This was developed, revamped, refined, rewritten and forwarded to the Vice President for Student Affairs. The main change in this year's orientation program is the frequency in which it is offered. The program has been shortened from a day and a half to one day with sessions emphasizing registration, advisement, taking the math exam and the other component parts of a regular orientation program which are a tour of the campus, discussion of regulations and policies, familiarization with services offered and opportunities to socialize with other students. In addition to these one day sessions, a new trial, one day-long orientation program will be held the Friday before school starts. The sole purpose of this program is to offer some of the activities that were eliminated in order to reduce the length of the

process. The purpose of this session will be to introduce freshmen students to skills which they will need and to provide them with an opportunity to meet people and to acquaint themselves with the University and its environment.

5. Honors Council

The Honors Council was chartered again this year. It consists of two representatives appointed, elected or volunteered from each of the undergraduate honorary organizations which our office advises: Las Campanas, Phi Eta Sigma, Blue Key, Spurs, Golden Key and Mortar Board. The purpose of this group is to provide unity and recognition of student scholastic achievement and excellence with communication between and among all honoraries as the main goal. This past year, a brochure was developed which presented a summary of membership requirements and organization purposes. These were made available in the Honors Center.

6. Commuter Students

A "Commuter Convoy" was once again part of Welcome Back Daze in conjunction with the Health Fair.

Agencies such as Sun Tran of Albuquerque, Off-Campus Housing, UNM Parking Services, UNM P.I.R.G. and IARS/Ridepool took part in this year's successful event. Funding became available on a one time basis to publish a commuter student insert for an issue of the The Daily Lobo. One thousand extra copies were printed to be made available to students throughout the year.

7. Alcohol Awareness

The BACCHUS (Boost Alcohol Consciousness Concerning the Health of University Students) chapter chartered in 1983 continued this year. A committee of ASUNM members worked with the residence halls in organizing Alcohol Awareness Week October 20-28, 1986.

8. Spirit Leaders

These groups include the UNM Chaparrals, Cheerleaders, Yell Leaders, Mascots and "Louie" and "Lucy" Lobo. The UNM Cheerleaders were ranked 9th nationwide this past year. Advising these groups is very time consuming and yet rewarding. The number of activities

and appearances made by these groups is staggering.

9. Annual Fall Conference for College Advisement

This year the Dean of Students Office assumed responsibility for the above-named half day conference. This event was previously sponsored by University College. Since the purpose of this conference was to acquaint all academic advisors with the services and programs offered by the Student Division, it seemed an important and proper event to be hosted by our office.

10. Religious Awareness or Religious Liaison

For a number of years the Dean of Students Office has been responsible for maintaining and establishing lines of communication with the campus religious directors and organizations. This year we sponsored an informal coffee for campus ministers and clergy in which they could exchange information and meet one another. The number of our students who participate in campus religious organization has increased dramatically in recent years.

11. Advisement of Honoraries

The members of the Dean of Students staff advise the campus wide honoraries such as: Blue Key, Golden Key, Mortar Board, Las Campanas. Spurs, Phi Eta Sigma and the Honors Council. As a result, a great deal of interaction occurs between our staff and the members of those groups throughout their stay at UNM.

Overall it is difficult to capture succinctly the function and nature of the Dean of Student Office because its programs and services are so varied. In our efforts, we reach a large and diverse number of students through the exit interview experience, the advisement of student groups and the programs we develop and create.

III. SIGNIFICANT PLANS/RECOMMENDATIONS FOR THE NEAR FUTURE

A. RESIDENCE LIFE

Plans for the coming year include a review of the

current living options in the residence halls. Such options encompass co-ed - non-coed, academic floors, non-smoking floor, non traditional student units, etc. Hokona Hall will be targeted specifically for attention with respect to interventions that would enhance the quality of student life in that facility. Other major target areas include the coordination of evaluation/assessment/referral procedures of students with substance abuse problems between the Health Education Specialist at the Student Health Center and Residence Life. And last but not least, we will attempt to convince the powers that be that we desperately need a new residence hall facility due in part to the over-capacity situation for the past seven fall semesters and to the fact that several of our buildings will soon be in need of major renovation and/or replacement.

B. STUDENT ACTIVITIES

Target areas for next year are as follows: 1) In view of the changes in state law concerning the consumption of alcohol on state property, an overall campus policy needs to be developed and adopted as soon as possible. 2) The vending policy which has been on

hold for six years needs to be finalized and adopted so that parameters for vending can be established.

3) The liability issues regarding student organizations, student sponsored events, sports clubs, officers' and advisors' responsibility, transportation, etc., need to be addressed and clarified in light of New Mexico state laws by UNM's legal counsel. 4) Additional attention and development needs to be given to the areas of leadership enhancement, commuter students and non-traditional students. 5) The UNM Centennial and the 1988 National Association of Student Councils Conference. 6) Financial concerns regarding the loss of budget over the past several years coupled with the rising costs of printing, materials and supplies continue to worry us as we attempt to retain our current level of service and programs and to maintain some degree of creativity and innovation as we seek new ways to meet the needs of students.

C. ADMINISTRATIVE UNIT/DEAN OF STUDENTS OFFICE

Beth Baldizan, Assistant Dean of Students, and I had planned a one day NASPA Drive-In Conference to be held

in connection with the annual State Student Personnel Meeting in Alamogordo in February. At the last minute that meeting was cancelled and as a result we have rescheduled the conference for late September of 1987. The conference titled "Student Affairs and Faculty: Friends or Foes" will address issues of concern to student personnel administrators as they work with faculty in an arena of tight and diminishing budgets. Dr. Margaret Barr, well known student affairs administrator, author and Vice President for Students Affairs at Texas Christian University, will serve as the keynote speaker for this event.

As the Dean of Students, I continue to re-evaluate the ways in which the administrative unit can best be organized to deliver the most effective services and develop innovative programs for our diverse student population. This particular unit has been problematical as it attempts to engage in a variety of efforts by a staff with diverse strengths and interests. As a result, I plan to reorganize this unit by separating the administrative functions from the more programmatic ones. Two professional positions and one support staff position although housed in the Student Services Center will be supervised by the

Associate Dean for Student Activities and Student Development thus creating a somewhat different configuration and organizational chart for the Dean of Students Department. I believe that this clustering of functions and staff will allow for greater clarity of staff roles and staff expectations and will more effectively recognize the strengths of current staff.

IV. OVERALL PLANS AND RECOMMENDATIONS

As we look forward to another year with a new Vice President for Administration and Student Affairs, I see opportunities for the Dean of Students Office to re-explore and re-define its mission and role within the institution. Once again, we will need to explain and sometimes defend our various functions and at the same time seek additional challenges. Much remains to be done in the areas of staff development and staff renewal, areas which will address issues of staff morale and productivity. We are proud of our past and the significant contributions we have made collectively and individually to students and student development. As change and planning take place at our

institution of almost 100 years, I am confident that we have the collective wisdom and willingness to develop, modify and continue those programs and services which are a vital part of and enhance our students' education.

V. SEPARATIONS FROM STAFF

Thomas Friedel

June 30, 1987

VI. PUBLICATIONS

The UNM Pathfinder

Dial Access Telephone Information Brochure

Campus Guide to Chartered Student
Organizations

Campus Maps

Student Directory

Life Skills Workshop Calendars

Monthly Activity Calendar

Student Organization Handbook

Parents' Newsletter

Commuter Student Services Guide

High School Leadership Workshop Program

Residence Hall Handbook

Information Card on Dean of Students Office

Information Card on Student Activities
Office

VII. OUTSIDE PROFESSIONAL ACTIVITIES

Karen Glaser

Member and institutional voting delegate for
the National Association of Student
Personnel Administrators (NASPA)

Member of the American Association of Higher
Education (AAHE)

Member of the American Association of
Counseling & Development (AACD)

Member of the American College Personnel
Association (ACPA)

Member of the National Association of Women
Deans, Administrators and Counselors
(NAWDAC)

Member of the Faculty & Professional Women's
Association (FPWA)

Chair of the New Mexico Search and Rescue
Review Board (Gubernatorial appointment)

Member of the KNME Board of Directors

Member of the American Red Cross Board of
Directors, Personnel and Executive
Committees

State Coordinator and member of the Region
IV-West Advisory Board for NASPA

Served on the Nominating Committee for NASPA
Region IV-West

Attended the NASPA Region IV-West Conference
in Denver, CO, Fall, 1987

Attended the National NASPA Conference in
Chicago, IL, March, 1987

Beth Baldizan

Member of the National Association of
Student Personnel Administrators

Member of the Advisory Committee for the
1988 Regional NASPA Conference

Chairperson of the NASPA IV-West Drive-In
Conference

Member of the Faculty & Professional Women's
Association

Member of the Executive Board of the Faculty
& Professional Women's Association

Member of the Business & Professional
Women's Association, Albuquerque chapter;
First Vice President & Issues Management
Coordinator

Member of the National Association for Women
Deans, Administrators and Counselors

Member of the Mortar Board Alumni
Association

Member of the Delta Zeta Alumni Association

Attended the Ninth Annual Governor's Career Development Conference for Women in State Government, Albuquerque Convention Center, September, 1986

Attended the Colloquium Research on Women (CROW), University of New Mexico, April, 1987

Attended the National Intramural Recreation and Sports Association Convention, New Orleans, LA, April, 1987

Attended the Albuquerque Business & Professional Women's State Convention, Raton, NM, April, 1987

Attended the "Getting Things Done" - Career Track Seminar, Albuquerque, NM, April, 1987

Attended the Women's Health Conference, Abiquiu, NM, May, 1987

Attended the Golden Key National Convention, Atlanta, GA, September, 1987

Randy Boeglin

Member of the Welcome Back Daze Committee

Member of the Vice President for Student
Affairs Search Committee

Attended the National Association of Student
Personnel Administrators Convention,
Chicago, IL, March, 1987

Olga Gandara

Attended the MANA Conference - panelist,
Fall, 1986

Attended and participated in the LAPE
Seminar conducted in Spanish - Student
Rights & Responsibilities, Spring, 1987

Member of the Association of Student
Personnel Administrators

Member of the American Red Cross Board of
Directors - 3 year appointment

Karen Abraham

Member of the Vice President for Student
Affairs Search Committee

Member of the National Association of
Student Personnel Administrators

Member of the National Association for Women
Deans, Administrators and Counselors

Member of the Association of Fraternity
Advisors

Member of the American Association of Higher
Education

President of Phi Kappa Phi

Attended the National Association of Student
Personnel Administrators Convention,
Chicago, IL, March, 1987

Gary Golden

Team captain for the Presidential Scholar
fund raising effort

Member of the United Way Campus Steering
Committee

Instructor for the New Mexico Association of
Student Councils Leadership Workshop

Member of the National Association of
Student Councils 1988 Conference Planning
Committee

Chair of the Rotary Club of Albuquerque
Community Service Committee

State Membership Chairman of the National
Association of Student Personnel
Administrators

Member of the Board of Directors for Delta
Upsilon Fraternity

Member of the National Association of
Student Personnel Administrators

Delta Upsilon Fraternity Leadership
Conference Dean

Mary Barbee

Presented at the following Conventions/
Conferences/Conclaves

- Sigma Sigma Sigma Convention,
Indianapolis, ID
- Kappa Delta Phi Convention,
Philadelphia, PA
- Psi Upsilon Convention, Boston, MA
- Purdue University, ID
- Bradley University, IL
- Colorado State University, CO
- Association of Fraternity Advisors, MO
- Texas Tech Leadership Conference, TX
- Northeast IFC/PH Conference, St.
Louis, MO
- Mid-America IFC/PH Conference, St.
Louis, MO
- NASPA, Chicago, IL
- Creighton University, Omaha, NB
- Northwest Missouri State University, MO
- Delta Gamma Leadership Conference, OH
- Tau Kappa Epsilon Conclave,
Washington, D.C.

Member of the National Association of
Student Personnel Administrators

Member of the Interfraternity Research and
Advisory Council

Member of the National Association of Women
Deans, Administrators and Counselors

Member of the National Panhellenic
Conference

Member of the American Personnel and
Guidance Association

Member of the Association of Fraternity
Advisors

Member of the NASPA Fraternity/Sorority Task
Force - Chairman

Member of the Mid-American Panhellenic
Conference

Member of the Liaison Committee for AFA/NPC
Liaison, Chairman; NPC/NASPA Liaison;
NAWDAC/NPC Liaison

Member of the National Interfraternity
Conference University Relations Committee

Member of the National Interfraternity
Foundation

Member of the Albuquerque Alumnae
Panhellenic - Alternate Delegate

Attended the National Association of Student
Personnel Administrators Conference,
Washington, D.C.

Attended the National Panhellenic
Conference, Miami, FL

Attended the Association of Fraternity
Advisors Conference, Washington, D.C,

Attended the MAPCA/MIFCA Conference, St.
Louis, MO

Attended the Fred Turner Deans Conference,
Champaign, IL

Attended the Allerton Fraternity Conference,
Champaign, IL

Debbie Morris

Team captain for the Presidential Scholar
fund raising effort

Member of the United Way Steering Committee
Co-chairman of Welcome Back Daze

Participated in the Alumni Annual Fund
Phone-A-Thon

Annual Report
Student Activities Center
July 1, 1986 - June 30, 1987
Karen A. Abraham
Associate Dean of Students

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The mission of the Student Activities Center is to provide and cultivate experiences outside of the classroom which support, enrich and diversify the lives of students at the University of New Mexico. In these terms we see ourselves as educators.

The Department's overall goals and objectives are to improve the quality of student life on campus. We act to cultivate a holistic climate which connects the diverse communities of the campus population both on-campus and off-campus; to keep the pathways of communication between students and the administration open and active through personal interaction and the distribution of informational publications and services; and to maintain and nurture the responsiveness and receptivity of the institution in relation to student needs.

STUDENT ACTIVITIES CENTER

The Student Activities Center is comprised of the ASUNM/GSA Business Office, Student Publications Office, the ASUNM Duplicating Center, and the GSA and ASUNM student government offices, as well as the main Student Activities Center office. One of our unique difficulties lies in the distribution of employees at several locations. We perform

233 functional supervision of employees at the ASUNM/GSA

Business Office, the Publications Office, and Student Activities Center office. Our supervision of employees at the Duplicating Center and student government offices is administrative.

The daily function of the general Student Activities Center office continues to include heavy walk-in traffic. During each semester an average of 120 walk-in activities occurs daily. Located in the New Mexico Union Building, the Center serves as a hub of contact and general information disbursement for students, staff and University department offices. The Center handles referrals, mail distribution for student organizations, outdoor equipment and clearances for activities, campus posting and major facilities use approval by student organizations. Over the past year, in addition to the Sherman Smith Mall and the duck pond area, the Center assumed scheduling jurisdiction over Yale Park. Last year 230 events were scheduled through the office for the university mall area. The multifaceted function of the Center will be further elucidated in the report.

UNDERGRADUATE AND GRADUATE STUDENT GOVERNMENTS

Associated Students of the University of New Mexico (ASUNM)

Student government's authority to operate is granted by the Univeristy Regents, to whom the governments are accountable. As advisors, the Student Activities staff has

limited authority over the actions of the student governments. We are, however, administratively accountable for their actions. Our primary function as advisors to student government is to establish consistent lines of communication and to attend all of their meetings, including student Senate and committee hearings. Daily contact is maintained with elected student leaders.

Executive Branch

Our interaction with the Executive Branch of student government consists of regular meetings with the President, Vice President and the Executive Committee Chairmen. The maturity of the elected and appointed officials and their willingness to work with administrators fluctuates and is variable. The 1986-87 ASUNM President, Mark Hartman, and Vice President Jim Hoppe proved to be responsible, respected, well-rounded leaders. Their appointments reflected the same.

Major ASUNM projects this past year included a strong lobbying effort in Santa Fe on tuition and financial aid issues and the creation of a Student Fees Allocation Board. Other major efforts included sponsorship of an Alcohol Awareness Week, an AIDS Awareness project and a National Smoke-Out Day.

The Popular Entertainment Committee holds three types of functions: major concerts at Popejoy Hall or the Univeristy Arena, local concerts at the New Mexico Union

Building Ballroom or the Subway Station, and weekly noontime entertainment on the mall. The **Speakers Committee** provides national and local speakers. For both committees, our roles are program consultation, contract negotiation, marketing and event planning, accounting, and attendance at all events.

With the **Film Committee** we are consulted on the scheduling and contracting of films, and perform financial management tasks and advisement to the chairman. This year a diverse and expanded program generated additional revenues for the committee. The ground work has been completed for acquisition of new 35 mm projector equipment and for the continued renovation of the SUB Theater.

The **Lobby Committee** established consistent visibility at the New Mexico Legislature in Santa Fe. Student lobbyists this year were well versed in factual information and organized letter writing campaigns focused on tuition, financial aid and child care subsidies.

Sales at the **Text Book Co-op** continue to rise. Totals for the year reached \$51,000. With this growth the Co-op is planning to expand in both space and operation next year.

The executives of the student government took an active interest in many other campus activities. Their participation in the planning, support and success of Fiesta, Homecoming, Welcome Back Daze and other all-campus

events and projects was noticeable and effective.

Legislative Branch

The student Senate spent most of its time in the allocation of money to student organizations. This past year the Senate developed and passed significant improvements in their budgeting process. Financial issues will continue to preoccupy the student legislators next year. Our relationship with this branch of student government is enhanced by attending the weekly Senate meetings and by conducting various workshops for the senators throughout the year.

Judicial Branch

The past year was a unique one for the student court. No issues arose to call the court into service.

ASUNM Summary and Projections

For the first time in five years ASUNM has a small operating surplus. Students have paid off their debt of \$113,000, accumulated during the period from 1978 through 1983. (See Business Office section.)

For the first time the presidents of ASUNM and GSA, as well as the vice president of ASUNM are all women. These newly elected officials are seasoned leaders and have years of experience in working with student government at UNM. They are well versed in the issues and the system in which they will be operating. Tuition, student representation on policy boards and the student fee allocation process will remain major issues with these new officers.

Graduate Student Association (GSA)

This past year was not a productive one for GSA. In October the elected president resigned. Another election was held, but lack of continuity in leadership and internal division prevented significant progress. A tremendous amount of staff time was spent on budget allocations and the request for a block grant from the Law and Medical School students. The financial health of the GSA does remain good, however. For the first time the Vice President for Research made an \$8,000 allocation of funds to the Student Research Allocations Committee for distribution to graduate student projects.

Two issues that will remain important for graduate students and will be focused on by GSA are the restructuring of the graduate school and the salaries and workloads of teaching assistants. The block grant issue will need to be resolved next year. Newly elected President Mimi Swanson has significant undergraduate and graduate leadership experience and we suspect this will greatly enhance GSA's impact and visibility in campus politics.

ASUNM/GSA BUSINESS OFFICE

Maintaining accurate financial records for student organizations is one phase of the ASUNM/GSA Business Office

responsibilities. The office is also responsible for training student organizations in the proper expenditure of state funds. Other ongoing responsibilities include attendance at ASUNM and GSA meetings and all student government budget meeting and hearings.

In the 1986-87 year the Business Office processed over 1500 purchasing transactions, processed 70 students on the biweekly payroll and maintained financial records for approximately 125 accounts, totaling over a million dollars.

In 1983 the Student Activities Center assumed the accounting duties of the ASUNM/GSA Business Office. At that time a total deficit of \$238,626 existed as a result of the ASUNM Duplicating Center deficit of \$125,128 and a general ASUNM deficit of \$113,498.

During the past two years ASUNM has paid off the \$113,498 and this year realized a surplus of \$23,515.12. Most of these funds were used to enhance the programming efforts of the executive agencies.

To date, the ASUNM Duplicating Center has reduced the original deficit by \$22,653. It is projected that another \$32,000 will be applied this year, bringing the total deficit to approximately \$70,000. It is anticipated that this remaining amount will be paid off in another two years.

The Graduate Student Association maintained their

surplus position as in previous years. The surplus amount is \$17,024.14. This amount, however, was reduced by the one-time block grant to the Student Bar Association, leaving a balance of \$13,931.64. The issue of block grants puts GSA at financial risk and needs to be resolved in the near future. This past year an extensive amount of staff time was spent on the block grant issue.

The Business Office was given the responsibility of preparing financial statements for the UNM Child Care Center as well as reviewing purchases. Reports were given to the Vice President for Student Affairs on a regular basis. The Child Care Center's financial difficulties have required an inordinate time commitment from the entire Business Office staff. The Senior Accountant spent numerous hours meeting with the Child Care Director and staff and meeting to keep the Vice President and Associate Vice President for Student Affairs apprised of the situation.

This past year the ASUNM/GSA Business Office conducted five workshops on policies and procedure and preparing and maintaining budgets for those groups requesting funds from the student governments. Additionally, day to day contact and advisement with student government and student organization leaders is maintained by the office. The organizations which, by virtue of their size or activities require extra time, are the student governments and their

executive agencies, NM Public Interest Research Group, AGORA, UNM Cheerleaders, the Chaparrals and Mascots.

Students are not allowed administrative responsibilities for supervising UNM permanent staff members. Therefore, the Business Office assumes this responsibility and supervises the ASUNM Duplicating Center manager, the Graduate Student Association office manager and the ASUNM office assistant.

STUDENT ORGANIZATIONS

The Student Activities Center is responsible for chartering and rechartering of all student organizations. This past year 253 organizations completed this process. Student membership seems to remain strong in sporting clubs, religious organizations, fraternities and sororities and honorary organizations.

Student Activities staff interaction with student organizations begins with the chartering process and extends to program planning, special event coordinating, advisement and assisting with administrative procedures and requirements. We also authorize the use of many UNM facilities and outdoor areas for organizational functions.

One tool which we use for student organization advisement is the Student Organizations Handbook, published annually by the Student Activities Center. This past year the format and text of the handbook was revised. Leadership and marketing guidelines, policies, and general

organization information were updated and expanded. The production format was also altered to cut costs and minimize waste.

This year a comprehensive Free Speech and Advocacy Policy was developed and adopted by the Regents. This policy provides guidelines for better coordination and control of programs in the mall areas, while maintaining optimal student and public access.

There still exists a pressing need for a campus-wide vending policy. Vendors unaffiliated with UNM populate the mall areas on a regular basis. The current policy is unclear and does not allow for adequate or consistent control of vending activities. In an attempt to address the problem a committee is currently working on a policy draft which needs to be acted upon and adopted by the Regents as soon as possible. This issue has been "on the burners" for six years.

The Alcohol Task Force, chaired by Gary Golden, is presently operating as an ad hoc committee to develop a student alcohol consumption policy for campus. A proposed policy has been drafted. This is another policy which needs to be established and acted upon in a timely fashion. The state law which prohibited the consumption of alcoholic beverages on state property was repealed.

Two other problematic areas can be identified and need attention. They are campus scheduling and individual and group liability issues as they pertain to student events

and activities. In terms of scheduling, conflicting events, parking problems, inconsistent application of policy and unauthorized activities point to the lack of coordination in this entire area. In terms of liability, many organizations, student leaders and advisors are at risk by the nature of the activities and events which their group sponsors. For both there are no ready answers, but the potential problems are enormous.

FRATERNITIES AND SORORITIES

Student Activities Center interaction with sororities and fraternities entails weekly meetings with the Panhellenic and Interfraternity Councils, scheduled meetings with chapter presidents and meetings with other local and national officers. One dimension of our advisement role in this area involves coordinating and working with various Greek alumni groups. Through individual contact, planned meetings, and newsletters we interact on a regular basis with numerous local alumni who serve as chapter advisors, house corporation presidents and Panhellenic and alumni club officers.

For the sororities, a Greek Task Force was established seven years ago. This committee continues to operate and includes alumnae representatives from each of the campus member groups. One of the major goals of the committee is to devise strategies to better inform the Albuquerque community and the state about sorority life at UNM.

Community outreach activities this year included spring neighborhood parties, high school newspaper ads, an official Greek logo, a calling campaign, and several human interest articles in local and state papers.

Presently at UNM there are six national sororities and nine national fraternities. This year the Delta Upsilon Colony disbanded and discussion has begun to reorganize the dormant chapter of Phi Delta Theta. Total Greek membership is approximately 800 undergraduate students. The system remains strong and healthy.

Leadership training and program planning experience are two areas which are constantly targeted with this population. Last year we sponsored two leadership workshops. The collegiate members successfully planned and implemented Greek Retreat, Greek Week, Greek Sing, Greek Banquet, a reception honoring Presidential Scholars and their parents, a faculty and staff appreciation reception and a year long rush-recruitment program.

A high proportion of Greek members hold campus leadership positions. This year a majority of the student senators were fraternity and sorority members and the outgoing ASUNM president is a Greek affiliate.

Community service, a major aspect of the Greek system, remains at a high level. This year the system completed over 125 service projects and raised over \$40,000 for national and local charitable organizations. The Greeks

were the first students to raise and donate money to the UNM Centennial fund. A check for \$1000 was presented to the Centennial Director. The Greeks also played a major role in the campus effort for SAMS (Students Against Multiple Schlerosis). UNM's efforts resulted in a national third place ranking for fundraising.

Special recognition of Greek efforts has come from local and national sources. Two groups received national achievement awards from their national organizations and the Sigma Chi chapter received the Governor's Public Service Award, a first for any student organization.

Additionally, the Greeks maintain an important role in UNM's recruitment efforts for new students. Member groups have volunteered time, support and housing to the Office of School Relations. For two years in a row Sigma Phi Epsilon has been named the student volunteer group of the year by the Office of School Relations.

The system, of course, is not problem free. Areas of Concern include alcohol and substance abuse, legal liabilities for chapter officers, escalating insurance costs, membership recruitment and financing. An additional problem that faces the system annually is street access on Mesa Vista and Sigma Chi roads. There are many non-affiliated students and non-students who loiter in this area. The potential for confrontation is ever present.

PUBLICATIONS

The Student Activities Center develops and produces many official publications (see listing below) and information systems for University-wide service. The publications all seem to be used maximally and the need for additional copies is evidenced. Additionally, the office manages the distribution schemes for the publications, as well as advertising and event promotion for many student service programs. Assisting students and student organizations with advertising, and marketing of their own programs and events is an area of need which is expanding.

The UNM Pathfinder . . . . .	.13,695/yr
Dial Access Telephone Information Brochures . . . . .	.25,000/yr
Campus Guide to Chartered Student Organizations	18,500/yr
Campus Map . . . . .	.22,000/yr
Student Directory	7,500/yr
Life Skills Workshop Calendars	3,000/mo.
Monthly Activity Calendar	800/mo.
Student Organization Handbook	600/yr
Parent's Newsletter	15,600/yr
Commuter Student Service Guide	1,000/yr
High School Leadership Workshop program	500/yr

All annual publications receive revisions and updates. As mentioned in the "Student Organizations" section of this report, the Student Organization Handbook has been redesigned and expanded to give greater assistance to student leaders. The production of the Campus Guide to Student Organizations is now being printed on newsprint in the interest of cutting costs and increasing the number of copies available.

The **24-hour Dial Access Telephone Information System** has increased to 223 tape recorded messages about services and programs at UNM. For information accuracy the Dial Access scripts are revised and updated yearly. The system continues to receive an average of 1000 calls each month. The statistical data on use of the system has been transferred to computer records this year and a monthly summary reflecting aspects of system use can now be generated.

This year we have also seen the computerization of the process by which students can request confidentiality of their records at the Registration Center. This change will make production of the Student Directory more efficient.

SPECIAL PROGRAMS AND SERVICES

A wide variety of unique programs continues to be sponsored or cosponsored by the Student Activities Center.

Parent's Day programs were reinstated this year after a one year absence. The program includes two direct mail Newsletters to parents and a day-long open house on campus with entertainment, receptions, tours, lectures and football game ticket discounts. Approximately 500 guests took advantage of the day's activities.

The annual **Recognition Banquet** for over 400 students, parents and staff was held with great success this spring. The banquet remains the only campus-wide event sponsored by UNM to honor students for their leadership and academic

achievements. This year's distinguished alumni speaker was Ron Miziker, Disney Studio Associate.

The Student Activities Center is responsible for the Student Service Awards Program. The program was established to recognize community members and UNM faculty and staff for their outstanding contributions to the quality of student life. The recipients this year were Jack Hueter, a UNM alumnus and John Clark, a UNM faculty member.

Who's Who Among Students in American Universities and Colleges received 94 nominations this year. From this group, 8 graduate and 53 undergraduate students were selected for inclusion into Who's Who. About 100 people attended the reception honoring these award winners.

Last summer was the 51st anniversary of the Lecture Under the Stars program. The 1986 series consisted of five guest lectures, held on Monday evenings during the summer school session. The average attendance for the lectures was 300 people.

A new program, Leadership America, was sponsored this year. The national program offers stipends, internships and colloquia for outstanding upperclass student leaders. The Student Activities Center solicited applications and coordinated the UNM program. None of our applicants were selected.

The **Student Centennial Committee** inducted the sophomore class as the centennial class during this year's Parent's Day program. Staff of the Student Activities Center serve as primary advisors for this student committee. The group will increase their activities as UNM's centennial year approaches.

For the second year in a row, UNM hosted the **New Mexico Association of Student Councils' Summer Leadership Workshop**. Over 400 high school student leaders and advisors from around the state attended the week-long conference. Student Activities Staff served as liason and campus coordinators for the conference.

Currently, a Student Activities staff member is serving on the planning committee for the National Association of Student Councils' 1988 national conference, to be held in Albuquerque.

During the coming year we will participate in the **General Motors Spirit Award** program, set up to recognize outstanding student leaders. Recipients will be honored at a reception and will be given a commemorative plaque and three shares of GM stock. We're hoping the program will further serve the need for more recognition of outstanding students.

The **Life Skills Workshop Committee**, set up and coordinated by Student Activities staff, continues to bring together a range of student service personnel to further

communication networking and discuss co-curricular issues. This year the committee expanded to include representatives from the Wellness Center, University College advisors, and the ethnic centers.

During the past year we helped sponsor a **documentary film series** with the ASUNM film committee. Next year we will be cosponsoring with the film committee a program which will bring documentary film makers to campus to discuss their work. This past year we also cosponsored the **Last Lecture Series** and the **Student Volunteer Bureau** with United Campus Ministries. We will continue to lend support to these two programs.

By the nature of our office and staff we are involved as major organizers in Welcome Back Daze, Homecoming, World Food Week, United Way, Senior Day, Hanging of the Greens and Fiestas. This year, Debbie Morris, the ASUNM/GSA Senior Accountant is co-coordinating the week-long Welcome Back Daze program.

SUMMARY

Overall, student involvement and activities remain high. More student organizations charter each year. Students' interest in developing leadership and organizational skills has increased. Our Center has experienced a continual growth in the flow of students looking for help in planning activities, recruiting members, raising funds and shaping and marketing their

organization's agendas. The open door policy of the office continues. However, the size of our staff and increased traffic makes it impossible for us to have regular contact with all student organizations and programs. Our enthusiasm is high and our ability to work with students is strong. Every single day each staff member has the opportunity to listen, encourage, suggest, guide, intervene and hope with students, for students. The Student Activities Center staff feels that we are afforded a daily opportunity by the types of interactions we have with students and with the types of programs that we generate and support, to have a significant impact on student life and be a corner stone for one of the essential goals of the University's educational process: to encourage and assist students to go beyond their own private interests and put their own lives in social, cultural and ethical perspective. Our efforts are directed to assist students to make connections between the classroom and the rest of campus life, to make connections between campus and the larger world and to make connections between what they learn and how they live. As educators, we are committed to this end.

TARGET AREAS FOR 1987-88

Target areas for next year can be divided into two areas: issues and programs. The resolution or

improvement of these areas will constitute our goals for next year.

Issues:

1) Alcohol policy for students.

In light of changes in state law concerning the consumption of alcohol on state property, an overall campus policy on the consumption of alcohol needs to be developed and adopted as soon as possible.

2) Vendor's policy.

There has long been a need to define the parameters for vending on the UNM campus. A policy has been drafted but seems to be on hold.

3) GSA block grants.

The GSA block grant issue needs to be resolved. Discussion will be necessary on how the Law School and the Medical School fit into the GSA structure.

4) Liability.

The liability issue looms over the whole area of student activities for student organizations, student sponsored events, sports clubs, officers' and advisors' responsibility, transportation, etc. The question of liability needs to be addressed and clarified in light of New Mexico state laws by UNM's legal counsel.

Programs

1) Money.

There is a need to replenish the money taken away from

the area due to UNM budget reductions. Over the last five years we have significantly lost ground.

2) Program development.

There are several program areas that need attention and further development. They include programs and services geared toward leadership enhancement, commuter students and non-traditional students.

3) UNM Centennial and the 1988 National Association of Student Councils Conference.

Both of these events will be occurring over the next two years. The Student Activities Center's role in both events is such that a great deal of staff time and support will need to be devoted over the next year and a half on these programs.

4) Publications.

With printing costs rising against what is a static or reduced budget, a shortage of certain publications is being experienced. In the past, in order to compensate in this area we have creatively cut all possible corners. With no more to trim, this area is at a critical stage and we will have to find additional revenues to maintain important information pieces.

STAFF
PROFESSIONAL ASSOCIATIONS AND INVOLVEMENTS
1986-87

KAREN A. ABRAHAM

Associate Dean of Students

UNIVERSITY COMMITTEE INVOLVEMENTS

Life Skills Workshop Committee - Chairman
 New Mexico Union Board
 Mandatory Orientation Proposal Committee
 Vice President for Student Affairs Search Committee
 Who's Who Among Students in University and Colleges
 Committee - Chairman
 Student Alcohol Policy Committee
 Free Speech and Advocacy Policy Committee
 Greek Task Force - Chairman
 Enrollment Management Sub-committee on Retention
 Student Services Awards Committee - Chairman
 Mortar Board - Junior Advisor
 Student Service Center Welcome Committee

UNIVERSITY PROGRAM PARTICIPATION

Houston Alumni Chapter Speaker
 Recognition Banquet - Toastmistress
 Senior Day Program
 Office of School Relations Home Visitation Program
 Presidential Scholarship Fund Raising Program
 Presidential Scholars Parents Orientation Program
 Planner/Presenter
 Parents Day
 New Students Orientation Program - Presenter
 Office of School Relations Programs for Excel Scholars;
 High School Counselors and Student Volunteers
 Lecture Under the Stars
 Welcome Back Daze
 Judge for Numerous Student Events

SPEAKER/PRESENTER FOR THE FOLLOWING GROUPS IN 1986-87

University College
 Academic Advisors Orientation
 Zeta Tau Alpha Regional Convention
 Alumnae Panhellenic
 Blue Key Honorary
 College Enrichment Orientation
 ASUNM
 Kappa Kappa Gamma Sorority
 Chi Omega Sorority
 Pi Beta Phi Sorority

PROFESSIONAL ASSOCIATIONS/ACTIVITIES

Phi Kappa Phi - President
National Association of Student Personnel
Administrators
National Association for Women Deans, Administrators,
and Counselors
Association of Fraternity Advisors
American Association of Higher Education
Pi Beta Phi sorority

CONFERENCE ATTENDANCE

National Association of Student Personnel Administrators
Chicago

GARY J. GOLDEN

Assistant Dean of Students

UNIVERSITY COMMITTEE INVOLVEMENTS

Life Skills Workshop Committee
Presidential Scholarship Fund Raising Team Captain
School Relations Calling Program
School Relations High School Reception
Senior Day Panel
Orientation Program (Parents Forum)
Student Centennial Committee
United Way Campus Steering Committee
Welcome Back Daze Committee
Who's Who Selection Committee
Student Alcohol Policy Committee
Parents Day

PROFESSIONAL ASSOCIATIONS/ACTIVITIES

New Mexico Association of Student Councils Leadership
Workshop Instructor
National Association of Student Councils 1988 Conference
Planning Committee
Rotary Club of Albuquerque Community Service Committee
Chair
National Association of Student Personnel
Administrators State Membership Chair
Delta Upsilon Fraternity Board of Directors
Delta Upsilon Fraternity Leadership Conference Dean

MARY BARBEE

Assistant Dean of Students

UNIVERSITY COMMITTEE INVOLVEMENTS

Parents' Day - Coordinator
 Recognition Banquet - Coordinator
 Graduate Student Association - Advisor
 Phi Eta Sigma - Advisor
 Las Campanas - Advisor
 Presidential Scholarship Fundraising Program

PROFESSIONAL PRESENTATIONS

Sigma Sigma Sigma Convention, Indianapolis, Ind.
 Kappa Delta Phi Convention, Philadelphia, PA
 Psi Upsilon Convention, Boston, MA
 Purdue University, Indiana
 Bradley University, Illinois
 Colorado State University, Colorado
 Association Fraternity Advisors, St. Louis, MO
 Texas Tech Leadership Conference, Lubbock, Texas
 Northeast IFC/PH Conference, St. Louis, MO
 Mid-America IFC/PH Conference, St. Louis, MO
 NASPA, Chicago, Illinois
 Creighton University, Omaha, NB.
 Northwest Missouri State University, Maryville, MO
 Delta Gamma Leadership Conference, Columbus, OH
 Tau Kappa Epsilon Conclave, Washington, D.C.

PROFESSIONAL ASSOCIATIONS/ACTIVITIES

National Association of Student Personnel Administrators
 Interfraternity Research and Advisory Council
 National Association of Women Deans and Counselors
 National Panhellenic Conference
 American Personnel and Guidance Association
 Association of Fraternity Advisors
 NASPA Fraternity/Sorority Task Force - Chairman
 Mid-American Panhellenic Conference
 Liaison Committee Member - AFA/NPC Liaison, Chairman
 NPC/NASPA Liaison
 NAWDAC/NPC Liaison
 National Interfraternity Conference University Relations Committee
 National Interfraternity Foundation
 Albuquerque Alumnae Panhellenic - Alternate Delegate

CONFERENCES ATTENDED

NASPA - Washington, D.C.

NPC - Miami, FL

AFA - Washington, D.C.

MAPCA/MIFCA - St. Louis, MO

Fred Turner Deans Conference - Champaign, Ill.

Allerton Fraternity Conference - Champaign, Ill.

DEBBIE MORRIS

Senior Accountant
ASUNM/GSA Business Office

PROFESSIONAL ACCOMPLISHMENTS

Completed six hours towards Master's degree in Public Administration as well as passing the comprehensive qualifying examination

PROFESSIONAL ASSOCIATIONS/ACTIVITIES

Welcome Back Daze - Co-chairman
Presidential Scholarship Fund Drive Team Captain
United Way Steering Committee
Alumni Annual Fund Phone-A-Thon
Parents' Day
GSA Issues Committee
Financial Resource System Implementation Committee
Computer Information Policy Committee

Student Publications Editor

PROFESSIONAL ASSOCIATIONS/ACTIVITIES

Life Skills Committee Member
United States Association of Blind Athletes
National Summer Games Program Designer
National Association of Student Personnel Administrators
Annual Conference Publicist/Designer
New Mexico Association of Student Councils
Summer Leadership Conference Program Committee
Welcome Back Daze Publicity and Staffing Assistant
Literacy Volunteers Tutor

THE REPORT OF

THE DEVELOPMENT OFFICE/UNM FOUNDATION, INC.

July 1, 1986 - June 30, 1987

Joseph W. Skehen
Director/Executive Director

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I. ACTIVITIES

A. The Development Office

The Development Office has general responsibility for organizing, implementing and supervising programs for the development of private financial support to benefit the University of New Mexico. To accomplish this, the Development Office maintains communication with alumni and friends of the institution, as well as with the state wide business and professional communities in order to apprise them of the needs of UNM which are beyond the capabilities of normal sources of funding and to solicit their support in providing the necessary funding to meet these needs.

B. The University of New Mexico Foundation, Inc.

In order to provide a mechanism for the receipt, acknowledgement, accounting, and expenditure of private support for the University, The University of New Mexico Foundation was incorporated in the State of New Mexico in 1979 and began operations in 1980. It is a 501(c)(3) charitable organization, recognized by the IRS as such and also determined by them to be a public foundation by their

264 regulation 509(1)(a). These determinations assure donors that all contributions are deductible for tax purposes. The sole purpose of the Foundation is to solicit, receive, hold, invest, and disburse gift funds on behalf of the University of New Mexico.

Foundation operations are managed through the Development Office, with Foundation funds used to fund a portion of the Executive Director's salary and a significant amount of the operating expenses of Development and Foundation activities. This funding comes from investment earnings from Foundation controlled gift funds. Management of the Foundation is overseen by a Board of Directors consisting of 36 individuals (See Appendix E).

Officers of the Foundation during the reporting period were Jerry Geist, President; Maxine Friedman, Vice-President; C.E. Woodcock, Treasurer; and the Executive Director/Secretary, Joseph W Skehen.

C. General Support Summary

The general trend of increased private voluntary support of the University of New Mexico continued through the 1986-87 year.

On June 30, 1987, the Development Office was pleased to report that over \$9.2 million in cash and non-cash gifts in support of UNM had been received or reported by various UNM agencies through the UNM Foundation/Development Office for the 1986-87 year. (see Appendix A) This represents an increase of over 3% from 1985-86.

Though the percentage increase is not large, it is significant in these times of uncertain economic and financial conditions and indicates a continued interest and awareness on the part of the private sector for the needs of higher education and a willingness to provide that support (see Appendix B).

A detailed Report of Gifts, listing names of all individual, corporate, foundation and organization donors will be compiled and published in the Fall 1987. The "Report of Gifts" is distributed to all past and current donors to UNM.

Detailed financial statements relating to the UNM Foundation's asset and liabilities (Appendix C) and revenues, expenditures and changes in fund balances (Appendix D) are attached. The statements are unaudited.

D. Finance and Administration

The UNM Foundation continued in 1986-87 to provide current and long term support to the University of New Mexico through its fund-raising efforts.

On June 30, 1987, records indicate gift revenue for the 1986-87 year at nearly \$2.8 million received as cash and non-cash gifts. In addition to the new revenue, over \$700,000 was received as payment on pledges recognized as revenue the previous fiscal year.

Assets of the UNM Foundation increased from \$8.9 million (audited) to nearly \$10 million (unaudited) as of June 30, 1987, an increase of over 12%.

More importantly, Foundation fund balances increased by 125%, from \$1.74 million to \$3.93 million. Much of this growth is attributable to the Board of Directors' decision to maintain the donor portion of the state-matched endowed professorships, lectureships and fellowships, as part of the Foundation's permanent endowment.

The UNM Foundation, Inc. continues to service a broad range of UNM colleges and projects by being the principal repository of private voluntary support.

In its role as managing agent for this voluntary support, the Foundation maintains and provides fiduciary and administrative support for 314 "agency" funds, an increase in the number of such funds of 46% over 1985-86. In addition, as of June 30, 1987, the Foundation held 114 endowment funds with a value of \$3.7 million, compared to the 41 funds at \$1.6 million held on June 30, 1986. This represents an increase in the number of individual funds of 178% and an increase of 131% in the dollar value.

In 1986-87 the UNM Foundation adopted a new policy on the distribution of earnings on investments which will be a significant assist in funding the Foundation's administrative and fund-raising costs.

Effective July 1, 1987 the UNM Foundation will retain 35% of the earnings (interest) attributable to the "agency" funds and distribute the remaining 65%. Agency funds are those on deposit with the Foundation and are available for expenditure on a current basis. Prior to July 1, 1987, 100% of the attributable earnings had been allocated back to the various funds on a pooled income fund concept.

During the past year, the Foundation entered into an agreement with an outside firm to license the use of University indicia. The agreement has been in effect since January and over 40 manufacturers have utilized this license vehicle to produce items featuring the University indicia. Over the years, this agreement will provide the Foundation with unrestricted revenue for distribution by the Board.

E. The Annual Fund

Annual Fund revenue experienced continued growth for the 1986-87 year from \$250,229 to \$286,139, an increase of 14.4% with 13.5% of the solicited alumni giving, up from 11% last year. Several factors contributed to these increases.

The constituency solicitation approach for phonathons was continued and funds were successfully raised for the following departments and colleges:

- Anderson School of Management
- History Department
- Psychology Department
- College of Engineering
- College of Education
- School of Law
- College of Pharmacy
- Modern and Classical Language Department
- College of Arts and Sciences
- College of Nursing

This was accomplished using over 900 faculty, staff, students and alumni volunteers in 54 nights of calling resulting in pledges of over \$100,000.

The significant dollar increase from the phonathons was accomplished utilizing these individuals and in-house resources rather than contracting with an outside telemarketing firm as had been experimented with on a limited basis during the 1985-86 campaign.

Two different planned year-end mailings generated over \$45,000 for the annual fund. A general year-end mailing to all alumni was conducted in November, which produced over \$38,000 in revenue. Another special mailing was sent in June to a select group of previous year contributors which

resulted in over \$7,000 in revenue.

270

38% of the alumni were contacted this year and plans are in progress to increase this for next year as well as increase the percentage of alumni giving. The new director for annual giving was appointed on a permanent basis in May of this year.

F. Presidential Scholarship Program

The Presidential Scholarship Program is the finest academic recognition and financial assistance program at the University of New Mexico and in the State of New Mexico. It now ranks ten times above the national average in awards made of this amount to incoming freshman. In the 12th campaign year, 120 volunteers were utilized to make approximately 1,000 calls.

As of June 30th, 369 full scholarships had been renewed and 36 new full scholarships received. \$415,700 was collected toward these awards. This is an increase of 7.3% over revenue of \$387,708 from June 30 last year. Full scholar sponsorship for this campaign was \$1,000. UNM will be contributing an additional \$500 to each award for a \$1,500 merit scholarship. Designated pooled gifts to the

Presidential Scholarship Program will be utilized from the annual fund to sponsor the remaining number of scholarships. Currently 235 new freshmen have been accepted into the program for fall and offers have been made to another 36. Twenty-two students declined as they were accepting offers to other institutions. Currently 556 scholars are registered to be in the program this fall. This number will increase between now and the registration deadline. The program has come a long way from the 1976-77 year when only 100 awards were made to incoming freshmen.

A definite bright spot is that the Presidential Scholarship Program alumni were able to sponsor their first scholar this year and will be continuing this award for the coming year thanks to efforts of Presidential Scholarship Program alumna, Traci Wolf.

Another significant achievement of the program was the Presidential Scholarship Dinner for full sponsors and their scholars, which once again was generously provided by Mrs. Coleen Maloof and the Maloof Companies. This year's event was the largest ever with over 700 in attendance, an increase of 15%. The significant growth in participation at this event is remarkable and the support that the Maloof family continues to provide warrants special recognition and appreciation.

Another aspect of the Presidential Scholarship Program which demands special recognition is the Larry Ahrens Presidential Scholarship Golf Tournament. The 5th Annual Larry Ahrens Presidential Scholarship Golf Tournament, held June 26, 1987, experienced another successful year in terms of funds raised and growth in the number of participants. Over \$22,000 was generated in support of 10 scholarships for the 1987-88 academic year with an additional award to the permanent Presidential Scholarship Endowment Fund. Under the sponsorship of Larry Ahrens and 77 KKOB-AM Radio and Tournament Chairman Ron Curry, 228 individuals participated to make the event in June 1987 the most successful ever. The 4th Annual Larry Ahrens Tournament in July 1986 generated \$19,000 with 216 participants.

Plans are already under way for next year's event to continue what has become one of the most prominent benefit golf tournaments in New Mexico.

Continued growth and participation in the Presidential Scholarship program is anticipated due to the strong support received from business, the professional community and from individual alumni and friends who subscribe to the program's philosophy that "Excellence should be recognized and rewarded."

G. Planned Giving

The foundation is presently administering a sizeable charitable Remainder Annuity Trust (\$587,000), a charitable Remainder Unitrust (\$101,000), a Pooled Income Fund (\$26,000), several holdings of real estate valued at approximately \$872,000, 21 endowments (not including scholarships) valued at \$1 million, and 44 faculty endowed positions valued at approximately \$1.1 million.

Planned and major gifts (\$10,000 or greater) to the Foundation included three life estate agreements, three wills (known), 15 stock and/or cash gifts and one parcel of land. These gifts are valued at approximately \$1.2 million.

The initiation of a quarterly newsletter on estate and financial planning began in the Fall of 1986. The newsletter is mailed to selected donors - those who have made contributions totaling \$1,000 or greater, or who have made gifts to the university for ten or more years.

A vigorous wills solicitation program was started in the Spring of 1987. Of the 2,000 people who were sent information on how wills can be used in giving to the University, five percent have made positive responses. Four wills are in working stages that at some future time will yield more than \$6 million to the Foundation.

H. Allocation of Unrestricted Funds

The vast majority of gifts coming to the Development Office/Foundation are earmarked for specific programs, projects, or purposes. However, some gifts are made with no restrictions and certain investment income is also available for use throughout the University where there are identified needs. A screening, or prioritizing, process has been developed over the years to consider requests that come to the Foundation from the various academic and student affairs offices for allocations from these unrestricted funds.

Each November, faculty are solicited to submit proposals for funding which are due in February. This past Spring, the Foundation received 90 proposals totaling \$983,910.50. These were screened first by the President's Needs Review Committee, then sent to the University President with recommendations. Following his review, they are sent to the Foundation Allocations committee, composed of Board members. This committee's recommendations are then considered by the full Board at their Annual Meeting and approvals/disapprovals are made.

At their annual meeting this May, the Board of Directors approved the following allocations for the 1987-88 academic year:

ALLOCATION OF UNRESTRICTED FUNDS

<u>DEPARTMENT</u>	<u>PURPOSE</u>	<u>AMOUNT</u>
KUNM	Equipment Replacement	\$10,000
Art Museum/Tamarind Institute		3,698
	To subsidize Catalog publication	
Electrical & Computer Eng.	Research on robot Manipulators	4,390
Family Medicine	Justice Conference Summer 88	7,200
Architecture & Planning	Lecture series	6,000
Speech Communications	Master Teacher Program	20,250
Geology	La Paz Collection	35,000
Pathology	Seminar series	5,000
Theatre Arts	Lecture series	2,400
Mechanical Engr/American Studies	Study in technology/ Culture	4,385
Executive Director's	Discretionary Fund	5,000
	Total	<u>103,323</u>

II. SIGNIFICANT PLANS FOR THE COMING YEAR

A. Finance and Administration

In 1986-87 the Development Office began using on a full time basis an on-line Alumni/Development Information System, purchased from Arizona State University in 1984 and going into production in 1986.

However, because of monetary constraints, the system is approximately 60% operational. The Development and Alumni offices, in consultation with UNM's Information System personnel, are examining and reviewing the possibility of other systems, hardware and software, for implementation in 1987-88.

B. The Annual Fund

The Annual Fund effort in 1987-88 will involve an increased number of phonathons and related direct mail solicitations associated with specific colleges and/or departments. Efforts will be made to increase publicity relating to the Annual Fund through "Mirage" and various college and department newsletters. Finally, a request will be made

for assistance from the Alumni Office to allow Annual Fund program information to be presented at Alumni meetings, at Alumni Board meetings and other gatherings of former students.

Efforts will also be made to establish a Dean's Club concept in many of the schools and colleges to recognize donors to these specific areas. Other giving clubs are being developed to recognize donors of gifts under \$1,000.

During the course of the summer the annual fund planning effort will be assisted by representatives of Community Service Bureau as a part of the overall consulting contract with the Foundation. When completed, this plan will give the Foundation a solid basis for Annual Fund activities not only during this fiscal year but in years to come as well.

C. The Presidential Scholarship Program

Planning is under way for the 1988 campaign, including recruiting volunteers, developing the prospective donor list and preparation of campaign materials and mailings, leading to an intensive two-month solicitation and a successful, completion of the 1988 Campaign.

Once again, the amount of each scholarship to be awarded during the 1988-89 academic year (including the amount of Foundation and University Administration shares) will be \$1,500. The policy will be continued of naming a Leadership Committee to provide counsel and advice to the chairperson/vice-chairperson; recognizing volunteers; assigning volunteer teams specific goals; recognizing the less-than-full-sponsorship supporters of the program; expanding the list of viable prospective donors and prospect pools; and, finally, increasing the number and quality of volunteers and carefully monitoring their production as well as providing solicitation and pre-campaign training to these individuals. Plans are under way for the Annual Spring Presidential Scholarship Dinner which is scheduled for April 9, 1988.

Improved record-keeping, billing, campaign reporting and increased personal contact with current scholarship sponsors are stated goals for the coming year.

D. Planned Giving

A direct mail program on wills will be continued on a quarterly basis. Other methods of making planned and major gifts will be marketed through the financial and estate

planning newsletter, through advertisements in the alumni magazine and through other planned and deferred gift mailings. The planned giving officer will continue to follow up in person or by telephone on all mailout responses.

Men and women who have agreed to support the development of the University of New Mexico will be enlisted to serve within a network at selected areas in and outside the state. Qualifications for individuals serving in this network include: 1) giving financial support to UNM, 2) helping secure financial support for UNM from others, and 3) communicating the UNM success story.

The groundwork and necessary organization will be implemented to secure a major institutional gift from the classes of '38, '39, and '40, combining these classes' 50th reunions with the University's centennial.

The hiring of a research associate will permit the office to maintain and manage an active major and planned gift prospect list of at least 300 donors.

The successful completion of the above activities should generate a significant increase in large gifts from private sources, through the Foundation, for the University.

E. UNM CENTENNIAL CAMPAIGN

The University will be celebrating its centennial during 1989. As a part of this celebration, the Foundation will undertake the largest fund raising project in the University's history. The internal audit and the needs assessment phases of the campaign have been completed and the feasibility study, which will test the dollar goal, is under way. That report will be ready for review by October 2, 1987. The campaign could be kicked off as early as the first week in November, 1987. During the interim, the total campaign plan will be developed in concert with the efforts of the University Centennial Committee and the Annual Fund activities of the Foundation.

In addition, the Foundation in connection with the Alumni Association will be producing a Centennial Alumni Directory during the coming year. The Directory will be available to all alumni and friends of the University who support the Annual Fund at a certain level.

III. PERSONNEL AND STAFF CHANGES

DIRECTOR

7/1/86 - 7/31/87	Robert G. Lalicker (acting),
8/1/86 - 6/30/87	Joseph W. Skehen
	(2/16/87 - Skehen appointed Director of Alumni Relations as well as Development Director)

ASSOCIATE DIRECTOR - PLANNED GIVING

7/1/86 - 9/30/86	vacant
10/1/86 - 6/30/87	Randall Williams

ASSOCIATE DIRECTOR - ANNUAL GIVING
(Presidential Scholarship Program)

7/1/86 - 12/31/86	Nancy Magnuson (resigned)
1/1/87 - 4/30/87	Donna Delozier (acting)
5/1/87 - 6/30/87	Donna Delozier (permanent)

ASSOCIATE DIRECTOR - FINANCE/ADMINISTRATION

7/1/86 - 6/30/87	C. W. Vickers
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DATA MANAGER

7/1/86 - 6/30/87	Ann Leonard Mattimore
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RESEARCH COORDINATOR

7/1/86 - 10/1/86	vacant
10/1/86 - 12/31/86	Donna Delozier
1/1/87 - 6/30/87	Vacant

ACCOUNTING TECHNICIAN

7/1/86 - 6/30/87	Lorena Herrera
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ADMINISTRATIVE ASSISTANT (new position)

10/11/86 - 6/30/87

Linda Spaulding

ADMINISTRATIVE SECRETARY

7/ 1/86 - 7/30/86

Paula Woods (resigned)

8/11/86 - 10/10/86

Linda Spaulding (acting)

11/17/86 - 6/30/87

Della Pacheco

DEPARTMENT SECRETARY #1

(11/1/86) - Changed position to
Administrative Secretary

7/1/86 - 8/8/86

Linda Spaulding

8/8/86 - 10/1/86

Donna Delozier (temporary)

DEPARTMENT SECRETARY #2

7/ 1/86 - 11/ 5/86

Marti Ford (resigned)

11/18/86 - 6/30/87

Mary Jeanne Heembrock

CLERICAL SPECIALIST V

(4/1/87 upgraded to Staff Assistant)

7/1/86 - 6/30/87

Diana Valdez Rodriguez

WORD PROCESSING SPECIALIST #1

(4/1/87 Upgraded to Staff Assistant)

7/1/86 - 6/30/86

Faustina Castillo

WORD PROCESSING SPECIALIST #2

7/1/86 - 6/30/87

Marge Herrmann

CLERICAL SPECIALIST II

(4/1/87 upgraded to IV)

7/1/86 - 6/30/87

Sandra Erickson

WORK-STUDY POSITIONS - 2 allocated

1986-87
PRIVATE VOLUNTARY SUPPORT
SUMMARY

	1986-87 UNH Foundation	1986-87 Other UNH Agencies	1986-87 TOTAL (Combined)	1985-86 TOTAL (Combined)
SOURCE				
ALUANI	724,501.53	514,660.41	1,239,161.94	868,718.30
Non-Aluani Individuals	498,901.66	420,171.69	919,073.35	625,347.86
Business/Corporate Organizations	1,061,745.95	1,341,867.21	2,403,613.16	3,281,900.13
Foundations, Estates, Miscellaneous	319,461.18	1,399,483.37	1,718,944.55	855,642.81
Fund Raising Projects	269,686.56	1,133,848.69	1,403,535.25	1,944,865.38
	363,833.06	1,186,256.31	1,550,089.37	1,366,970.07
TOTAL (by Source)	3,238,129.94	5,996,287.68	9,234,417.62	8,943,444.55
PURPOSE				
Financial Aid	811,294.68	983,974.44	1,795,269.12	915,669.79
Research	0.00	1,038,931.53	1,038,931.53	2,279,273.53
Unrestricted	252,154.82	0.00	252,154.82	291,805.99
Library Materials	21,307.95	32,016.30	53,324.25	159,068.00
Special Projects	1,982,344.01	1,655,699.51	3,638,043.52	3,118,975.06
KNME-TV	3,024.00	1,454,618.00	1,457,642.00	1,304,361.00
Athletics	66,406.35	831,047.90	897,454.25	666,502.01
Bldg. Construction/Equipment	96,598.13	0.00	96,598.13	202,788.87
Life Income Funds	5,000.00	0.00	5,000.00	5,000.00
TOTAL (by Purpose)	3,238,129.94	5,996,287.68	9,234,417.62	8,943,444.25

PRIVATE VOLUNTARY SUPPORT

(6-Year Comparison)

	1986-87	1985-86	1984-85	1983-84	1982-83	1981-82
SOURCE						
ALUMNI	1,239,161.94	866,718.30	464,040.53	524,849.19	553,441.23	372,659.25
Non-Alumni Individuals	919,073.35	625,347.86	1,654,720.90	506,321.45	640,217.56	594,280.17
Business/Corporate Organizations	2,403,613.16	3,281,900.13	1,310,824.75	1,268,289.22	1,147,980.18	836,316.66
Foundations, Estates, Miscellaneous	1,718,944.55	855,642.81	767,191.63	616,743.45	368,762.58	368,586.55
Fund Raising Projects	1,403,535.25	1,944,865.38	2,878,310.98	3,174,098.05	2,575,671.58	2,183,984.62
	1,550,089.37	1,366,970.07	1,152,095.22	977,358.95	765,262.49	580,626.26
TOTAL GIFTS (All Sources)	9,234,417.62	8,943,444.55	8,227,184.01	7,067,660.31	6,051,335.62	4,936,453.51
PURPOSE						
Financial Aid	1,795,269.12	915,669.79	1,299,996.71	1,195,412.61	1,118,824.34	963,359.10
Research	1,038,931.53	2,279,273.53	1,436,846.15	1,288,787.25	857,429.59	705,982.03
Unrestricted	252,154.82	291,805.99	170,220.26	184,041.26	113,379.93	80,148.96
Library Materials	53,324.25	159,068.00	19,935.40	19,646.08	13,998.49	16,233.37
Special Projects	3,638,043.52	3,118,975.06	3,365,577.53	2,771,973.53	2,532,340.42	2,007,044.50
KNHE-TV	1,457,642.00	1,304,361.00	1,064,683.52	946,969.42	712,013.00	537,990.97
Athletics	897,454.25	666,502.01	541,484.46	514,618.08	611,222.52	430,585.74
Bldg. Construction/Equipment	96,598.13	202,788.87	120,327.05	146,212.08	87,127.33	117,487.22
Life Income Funds	5,000.00	5,000.00	208,112.93	0.00	5,000.00	77,621.62
TOTAL GIFTS (all Purposes)	9,234,417.62	8,943,444.25	8,227,184.01	7,067,660.31	6,051,335.62	4,936,453.51

UNM FOUNDATION, INC.

Balance Sheet

June 30, 1987*
(Subject to Year End Adjustments)

ASSETS	Operating	General	Endowment	Life Income Funds	TOTAL	TOTAL
					Combined Funds 86-87	Combined Funds 85-86
Cash	30,772.99	876,607.99	1,299,964.61	17,896.08	2,219,241.67	925,056.35
Invested Cash*	0.00	1,627,418.34	1,108,998.50	100,238.39	2,836,655.23	2,721,270.15
Imprest	(233.18)	2,495.83	0.00	18,134.82	20,397.47	2,250.29
CD's**	0.00	32,094.90	555,194.63	0.00	587,289.53	293,308.94
Interest Receivable	0.00	9,306.43	0.00	31.08	9,337.51	11,004.63
Securities/Bonds	0.00	25,500.00	750,000.00	207,430.17	982,930.17	982,830.17
Other Receivable	0.00	0.00	0.00	0.00	0.00	110,035.05
Prop/Equipment***	0.00	749,677.05	38,860.00	340,000.00	1,128,537.05	955,636.74
Def.Costs	0.00	38,603.58	0.00	0.00	38,603.58	207,326.04
Pledges Rec. (net)	0.00	2,161,905.73	0.00	0.00	2,161,905.73	0.00
TOTAL ASSETS	30,539.81	5,517,609.85	3,753,017.74	683,730.54	9,984,897.94	6,208,718.36
LIAB\FUND BALANCES						
Cap.Lease	216.21	0.00	0.00	0.00	216.21	2,045.82
Schol.Payable	0.00	31,555.99	0.00	0.00	31,555.99	44,432.35
Alloc.Payable	0.00	126,787.94	0.00	0.00	126,787.94	100,444.75
Other Payable	20,303.17	25,209.06	0.00	387,926.00	433,438.23	394,651.28
Restricted Gifts						
Pledges	0.00	2,176,905.73	0.00	0.00	2,176,905.73	0.00
Pass Thru	0.00	40,141.63	0.00	0.00	40,141.63	197,108.77
PSP Full	0.00	252,664.42	0.00	0.00	252,664.42	213,333.41
PSP Pool	0.00	304,135.25	0.00	0.00	304,135.25	277,771.11
Other Design.****	0.00	1,818,838.17	0.00	0.00	1,818,838.17	2,219,659.02
UR-Allocable	0.00	142,532.74	0.00	0.00	142,532.74	110,771.10
UR-Dev.Program	0.00	319.45	0.00	0.00	319.45	52,668.72
UR-Property	0.00	1,121,482.50	0.00	0.00	1,121,482.50	919,120.00
Due to Participants	0.00	0.00	0.00	0.00	0.00	695.24
Property Reserves	0.00	(371,805.45)	(19,140.00)	0.00	(390,945.45)	(304,941.29)
Total Liab.	20,519.38	5,668,767.43	(19,140.00)	387,926.00	6,058,072.81	4,227,760.28
Fund Balances						
Restricted*****	0.00	(231,956.79)	3,725,157.74	295,804.54	3,789,005.49	1,837,656.85
Unrestricted	10,020.43	80,799.21	47,000.00	0.00	137,819.64	143,301.23
TOTAL LIABILITIES/ FUND BALANCES	30,539.81	5,517,609.85	3,753,017.74	683,730.54	9,984,897.94	6,208,718.36

UNM FOUNDATION, INC.

Revenues, Expenses, Changes in Fund Balances

July 1, 1986 - June 30, 1987*
(Subject to Year End Adjustments)

REVENUE	Operating	General	Endowment	Life Income	TOTAL	TOTAL
					Combined Funds 86-87	Combined Funds 85-86

Gifts:						
PSP	0.00	340,427.73	0.00	0.00	340,427.73	392,460.34
Unrestricted	0.00	205,748.51	0.00	0.00	205,748.51	284,176.55
Other	0.00	692,597.69	0.00	0.00	692,597.69	1,940,067.13
Pass Thru	0.00	260,905.31	0.00	0.00	260,905.31	286,683.58
Endowment	0.00	0.00	514,662.87	0.00	514,662.87	156,013.78
Life Income	0.00	0.00	0.00	5,000.00	5,000.00	5,000.00
Non-Cash	0.00	357,474.45	0.00	0.00	357,474.45	342,235.00
Contributed Services	0.00	0.00	0.00	0.00	0.00	250,094.75
Pledges	0.00	155,250.00	0.00	0.00	155,250.00	0.00
TOTAL Gift Revenue	0.00	2,012,403.69	514,662.87	5,000.00	2,532,066.56	3,656,731.13
Interest/Dividends	3,702.30	191,825.41	1,088.31	37,874.87	234,490.89	312,963.12
Other	85.18	448,396.50	1,670,771.99	30,000.00	2,149,253.67	198,653.24
TOTAL REVENUE	3,787.48	2,652,625.60	2,186,523.17	72,874.87	4,915,811.12	4,168,347.49
=====						
EXPENSES						
Operating Costs	76,062.05	0.00	0.00	5,900.26	81,962.31	331,111.00
Gift Expense	0.00	2,012,403.69	0.00	0.00	2,012,403.69	3,245,622.90
Pay.to Participants	0.00	135,056.40	0.00	49,970.35	185,026.75	240,826.24
Other	0.00	448,396.50	3,000.00	0.00	451,396.50	104,253.53
TOTAL EXPENSES	76,062.05	2,595,856.59	3,000.00	55,870.61	2,730,789.25	3,921,813.67
=====						
REVENUE OVER EXPENSE	(72,274.57)	56,769.01	2,183,523.17	17,004.26	2,185,021.87	246,533.82
Net Transfers	70,168.36	(70,168.36)	0.00	0.00	0.00	0.00
Change in Fund Balance	(2,106.21)	(13,399.35)	2,183,523.17	17,004.26	2,185,021.87	246,533.82
Beg. Fund Balance	12,126.64	(137,758.23)	1,588,634.57	278,800.28	1,741,803.26	1,734,424.29
ENDING FUND BALANCE	10,020.43	(151,157.58)	3,772,157.74	295,804.54	3,926,825.13	1,980,958.11
=====						

R O S T E R
UNM FOUNDATION, INC - BOARD OF DIRECTORS
July 17, 1987

ANN ANDERSON (Phelps) (1988) (Second Term)
612 N. Kentucky
Roswell, NM 88201
Phone: 623-1563 H
Public Relations Committee (Co-Chair)
Centennial Committee

MARGE BECK (Robert) (1990) (First Term)
2617 North Montana Avenue
Roswell, NM 88201
Phone: 624-0619 H
Gifts Committee

ROLFE BLACK (Dorothy) (1990) (First Term)
Seven Bar Enterprises, Inc.
10001 Coors Road NW
Albuquerque, NM 87114
Phone: 898-1313 O 344-1380 H
Executive Committee

LEE BROWN (Donna) (1992) (Second Term)
P. O. Box 4816
Santa Fe, NM 87502
Phone: 473-2200 O 983-7990 H
Executive Committee and Nominating Committee (Chair)

MARALYN BUDKE (1992) (First Term)
401 Vera Drive
Santa Fe, NM 87501
Phone: 982-3173 H 827-3000 O
Allocations Committee and Investment Committee

GEORGE C. DACEY (Anne) (1988) (First Term)
1201 Cuatro Cerros SE
Albuquerque, NM 87123
Phone: 299-8622 H
Gifts Committee and Nominating Committee

AUBREY DUNN (Betty Jo) (1990) (Second Term)
P. O. Box 386
Alamogordo, NM 88310
Phone: 437-7623 O
Investment Committee

GERALD W. MAY (Mary Joyce) (Open)
 UNM President
 Scholes Hall 160
 Albuquerque, NM 87131
 Phone: 277-2626 O
 Executive Committee

MAXINE FRIEDMAN (Jerry) (1992) (Second Term)
 2300 Vista Larga Dr. NE
 Albuquerque, NM 87106
 Phone: 255-6338 H
 Executive Committee and Centennial Committee

GENE GALLEGOS (Felice) (1990) (Second Term)
 124 E. Marcy Street, Suite 201
 Santa Fe, NM 87501
 Phone: 983-6686 O
 Executive Committee and Centennial Committee

JERRY GEIST (Sharon) (1990) (Second Term)
 Public Service Co. of New Mexico President
 Alvarado Square
 Albuquerque, NM 87158
 Phone: 768-6502 O 299-1151 H
 Executive Committee (Chair)

JACK GRAHAM (Joan) (1992) (Second Term)
 9905 Tanoan Drive NE
 Albuquerque, NM 87111
 Phone: 864-8494 H
 Gifts Committee and Real Estate Committee

JUDGE BEN HERNANDEZ (Vangie) (1988) (First Term)
 600 Reynolds SW
 Albuquerque, NM 87104
 Phone: 242-7993 H
 Allocations Committee and Centennial Committee

CHARLES HIGH (Arlene) (1988) (Second Term)
 300 W. Hill Avenue
 Gallup, NM 87301
 Phone: 863-6671 O 863-6637 H
 Allocations Committee

H. B. HORN (Lucille) (1992) (Second Term)
 P. O. Box 8769
 Albuquerque, NM 87198
 Phone: 265-3553 O 266-7019 H
 Investment Committee and Centennial Committee

JOHN LAFLIN (Marge) (1990) (First Term)
2400 Louisiana NE - Suite 330
Albuquerque, NM 87110
Phone: 883-0679 O 298-9980 H
Gifts Committee

CHARLES LANIER (Rita) (1992) (Second Term)
New Mexico Title & Abstract President
301 Gold SW
Albuquerque, NM 87102
Phone: 247-1011 O 255-7393 H
Gifts Committee and Real Estate Committee

CARROLL J. LEE (Open)
Associate Vice President
for Business and Comptroller
Scholes Hall 227
Albuquerque, NM 87131
Phone: 277-5111 O 883-7682 H
Investment Committee

JACK LITTLE (Patty) (1992) (Second Term)
New Mexico Management Services
P. O. Box 36768
Albuquerque, NM 87176-6768
Phone: 889-3179 O
Gifts Committee and Nominating Committee

EDWARD L. LUJAN (Virginia) (1992) (First Term)
President
The Manual Lujan Agencies
2001 San Mateo Blvd. NE
Albuquerque, NM 87110
Phone: 266-7771 O 881-6489 H
Investment Committee

BETH McDERMOTT (1988) (Second Term)
9326 Layton Loop
Albuquerque, NM 87111
Phone: 275-3895 H
Allocations Committee

JEAN MACEY (Bill) (1988) (First Term)
7010 Javelina Drive
Tucson, AZ 85718
Phone: (602)299-3131 H
P. O. Box 360
Alto, NM 88312
Phone: 336-4448 H
Public Relations Committee

UNM FOUNDATION BOARD ROSTER

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CYRENE MAPEL (Frank) (1988) (Second Term)

1616 Park Avenue SW
Albuquerque, NM 87104
Phone: 247-2008 H
Allocations Committee (Chair) and Nominating Committee

RICHARD MORRIS (Mary) (1990) (First Term)

El Paso Natural Gas Co.
P. O. Box 1492
El Paso, TX 79978
Phone: (915)541-2600 O
Gifts Committee

LEONARD NAPOLITANO (Jane) (1992) (Second Term)

Dean - School of Medicine
Basic Medical Science Bldg. #177
Albuquerque, NM 87131
Phone: 277-2321 O 298-9087 H
Gifts Committee

JOHN PEROVICH (June) (1990) (First Term)

4127 Coe Drive NE
Albuquerque, NM 87110
266-6856 H
Investment Committee

RICHARD ROWLEY, II (Judy) (1988) (Second Term)

P. O. Box 790
Clovis, NM 88101
Phone: 763-4457 O 763-5437 H
Investment Committee

JACK RUST (Donna) (1992) (Second Term)

Rust Tractor
P. O. Box 25007
Albuquerque, NM 87125
Phone: 345-8411 O 831-3607 H
Executive Committee and Centennial Committee

JOHN SALAZAR (Terrie) (1990) (First Term)

Rodey Law Firm
P. O. Box 1888
Albuquerque, NM 87103
Phone: 765-5900 O 345-5288 H
Public Relations Committee (Chair)
Nominating Committee and Centennial Committee

JEAN SETH (Judge Oliver) (1988) (First Term)

P. O. Drawer I
Santa Fe, NM 87504 (summer address)
Phone: 983-3207
1099 Oro Vista
Litchfield, AZ 85340 (winter address)
Phone: (602)935-4874 H
Public Relations Committee

JOSEPH W. SKEHEN (Debbie)
 Director of Development
 and UNM Foundation
 Hodgkin Hall
 University of New Mexico
 Albuquerque, NM 87131
 Phone: 277-4503 O 823-9676 H

ROBERT STAMM (Florence) (1988) (First Term)
 P. O. Box 25027
 Albuquerque, NM 87125
 Phone: 765-1200 O 242-9320 H
 Gifts Committee (Chair) and Centennial Committee

BILL TAYLOR (Pat) (1992) (Second Term)
 3600 Lincoln Plaza
 500 N Akard Street
 Dallas, TX 75201
 Phone: (214)748-7261 O (214)351-2121 H
 Investment Committee

FRANCISCO URREA, JR. (Alberta) (1990) (Second Term)
 Summa Medical Corporation
 4272 Balloon Park Road NE
 Albuquerque, NM 87109
 Phone: 345-8891 O 884-5014 H
 Gifts Committee

BOB WERTHEIM (Liz) (1990) (First Term)
 Southwest Mortgage Company
 P. O. Box 11519
 Albuquerque, NM 87192
 Phone: 291-3007 O 293-6100 H
 Investment Committee (Chair)

C. E. WOODCOCK (1988) (Second Term)
 P. O. Box 25365
 Albuquerque, NM 87125
 Phone: 243-7867 O 266-1369 H
 Treasurer, Executive Committee

EX-OFFICIO MEMBER

Brian G. Burnett, President
 UNM Alumni Relations
 Hodgkin Hall
 Albuquerque, NM 87131
 Phone: 277-5808 O

To receive Board information

David Mc Kinney
 VP for Business & Finance
 Scholes Hall 111
 UNM CAMPUS

STAFF PERSONNEL

Joseph W. Skehen - Director	277-9076
Chuck Vickers - Associate Director for Administration & Finance	277-9079
Randall Williams - Associate Director of Planned Giving	277-9075
Donna Delozier - Associate Director for Annual Giving	277-9077
Ann Leonard - Information Systems Manager	277-9074
Open - Research Assistant/Staff Writer	277-4503
Linda Spaulding - Administrative Assistant	277-5640
Della Pacheco - Administrative Secretary	277-4503
Lorena Herrera - Accounting Technician	277-0689
Faustina Castillo - Staff Assistant	277-0691
Diana Rodriguez - Staff Assistant	277-9078
Jeannie Heembrock - Department Secretary	277-4504
Marge Herrmann - Word Processing Specialist	277-5649
Sandra Erickson - Clerical Specialist IV	277-5649

1986-1987

1. The MAJOR CHANGES in our program this past year were the following:
 - A. We moved from 1815 Roma to 1153 Mesa Vista. This places us as neighbors of all the essential offices, especially Financial Aids, and makes our advocacy on behalf of the students much easier and more effective.
 - B. We changed our name from Chicano Student Services to Hispanic Student Services. The more all-inclusive term increased the numbers of clientele significantly and we have been very gratified.
2. There were no staff changes.
3. The BUDGET was adequate. We managed to give a couple of hundred dollars to Women's Center for a much needed project of theirs. This does not mean we didn't need it. They just needed it more. We transferred money from our Occasional Secretarial budget to other things and ended up doing O.K.
4. We wish to thank all of the offices and individuals who have made it easier for us to do our job of helping the students survive in school. In particular, the offices of Financial Aid, Admissions, and Registrar have gone out of their way to help us.
5. The STUDENT CONCERNS addressed by our office were the following:
 - A. The financial aid situation was aggravated for many students because non-degree students are no longer eligible. We also helped several students who owed loans from before to make arrangements with the Foundation.
 - B. We continue to refer students to CAPS for tutoring and we have been very impressed by the efforts they make and the kindness they show the students.
 - C. Employment (work-study and student employment) was fairly good. This was another year in which there were more positions available than students looking for them.

Employment for parents and relatives was very bad again this year. Albuquerque Public Schools joined the TV station, Bernalillo County, Lovelace and the Hispano Chamber in sending us their job announcements.

In connection with this, V.P. Jaramillo requested of us a rationale for President May for our involvement in such things as employment for outside people. We submitted a report which she said was satisfactory. It was based on the fact that, according to UNM Research Office, the

one and only factor that determines success or failure in college is socio-economic.

- D. Our center has been named the New Mexico liaison with the National Hispanic Scholarship Fund. We will be reviewing applications from other parts of the nation.
- E. We continue to work with returning students. We find that the academic renewal policy of UNM offers new hope to those poor individuals who withdrew "with their feet" a few years ago. We again thank Cindy Stuart and Bill Haid for all their help in these matters.
6. The numbers of people who sought our help regarding non-UNM matters increased this year, mostly due to the new emphasis on T-VI because we no longer have a General College. We saw more parents coming with their children so we could talk to them in general about higher education.
7. The two groups we have worked with who are not officially constituents are the ex-offenders from Los Lunas and the Mexican and Central American Nationals who are here and need some direction. Some are legal and some are not. We don't ask.
8. In addition to the three (3) student organizations we house, we now have the Minority Coalition and the UNM Chapter of the Rainbow Coalition.
9. The video documentary "Searching", about the history of the ethnic centers, has come to a standstill because of lack of funds. We wish to thank KNME for their help with it.

Submitted by - Antonio Mondragon

ANNUAL REPORT

JULY 1, 1986 - JUNE 30, 1987

CLIFF HOLT, DIRECTOR

I. GENERAL COMMENTS

Continued services for all publics was derived from Recreation, Galleries, Food Service, Building Services and Scheduling areas of the Union. Division Report reflects services provided.

II. DIVISIONAL REPORTS

A. Administration

Phase II Renovation was continued with the construction of the Centennial Lounge. This also includes a gallery with over two hundred running feet for hanging art work. Outside the lounge will be student organization stations. Along with the stations will be a registration area for ballroom events. A new Food Service Servery will also be included in this project. Expected completion will be Fall of 1987. This project is budgeted at \$95,000.

New hiring included an Assistant Director for programs and operations aiding in coordination of and support of all special and on-going services. Also in the building, a Marketing Director was hired to improve sales specifically dealing with Food Service Operations.

B. Galleries

The Thompson and Union Galleries scheduled thirty single and group artist showings throughout the year.

Poster and card sales were also provided. Gallery staff is headed by a graduate student from the College of Fine Arts also coordinates art display cases on the second and lower levels of the Union. Music concerts were held every Wednesday with an average of six people attending. Actual revenues totaled \$3,090 with expenses totaling at \$11,746.

Madrigal dinner, which is operated out of the Thompson Gallery, proved to be a programmatic success. Financially, revenues were \$28,990 versus \$27,752.50. Fine Arts scholarship fund received \$4,410.

Gallery Administration is looking forward to the opening of the new gallery/lounge across from Thompson.

C. Recreation

The New Mexico Union Recreation Program is under the direction of a graduate assistant from the HPER Department and a Games Area Manager. This area consists of eighteen billiard tables, five table tennis tables, a video games room, and the Subway Station. A variety of tournaments including a regional ACU-I qualifying tournament for billiards and table tennis were conducted in the Games Area throughout the year. The Subway Station programming this past year included big screen television viewing, free movies, noon-time programs and dances. Sales in the Games Area totaled \$68,075 with the expenses totaling \$29,320. The net profit was approximately \$38,755. The Subway Station revenue totaled \$2,404 with expenses totaling \$5,698. The net loss was approximately \$3,294 for this area.

Other programs sponsored by the New Mexico Union Recreation Program included an Oktoberfest Luncheon in the Garden Court, a Halloween Pumpkin Carving Contest and UNICEF fund raiser, and an Easter Seal fund raising basketball tournament.

D. Culinary Arts (Food Service)

As discussed in Building Services' report, Pizzamore opened with positive reaction from customers. The first six months generated \$82,451 in sales. Total Food Service revenues were \$1,994,430 for the year. Catering totaled \$391,446 which is the highest income recorded in that area.

The main catering event for the year was a full reception for the MAYA Exhibit at the Albuquerque Museum. A ninety foot serpent was made by our pastry chef. A white chocolate temple was also produced. This black tie and coat affair was the highlight of New Mexico dignitaries. An event we were proud to be a part of. Revenue produced for this event was \$34,000.

The switch from fudge sales to international coffees in the Fudge and Nuts area is currently improving sales from \$33,000 budgeted to \$53,712 actual revenue. A \$20,712 difference / 70% increase.

The outdoor food cart program serving students on the west side of campus was discontinued due to the opening of the Sub West operation. Sub West steadily increased in sales in the spring as compared to the fall.

Personnel upgrade to management status were Food

Service Supervisor, Catering Supervisor and Administrative Assistant.

After twenty-five years of service, Isabel Darr retired from the operation on June 30, 1987. Good wishes were sent to her in a reception celebration honoring her.

E. Scheduling

The area is supervised by Gina Cline along with two student assistants. The area handles all scheduling of meeting rooms, catered events and special activities in the building. Meetings for student activities totaled 1,521 with over 300 department meetings and 177 off campus groups being scheduled. Catered events totaled over 1,110.

This area is exploring the idea for fall of computerizing the scheduling process. Future plans call for capability of menu recall to aid in food ordering.

Marketing works with this area in selling possible catering proposals to prospective clients. Markets which are being explored are A.P.S., YAFL and private business.

F. Building Service

Renovations such as Pizzamore and the Centennial Lounge were projects being accomplished. Utilities and Services amounted to just over \$310,000 which was almost the same as the previous year. Pizzamore operation resulted in customer served meals which proved to be very successful the first five months in operation.

The Centennial Lounge project, located on the main level is to provide the public with gallery and lounge

space. The opening of the Centennial Lounge would be in October tying in with homecoming. The name "Centennial" was generated in honoring the UNM Centennial Celebration. The lounge would be an honorary gift to the University from the Union.

III. SUMMARY

Functional use of the Union is increasing everyday. This indicator reveals the accomplishing goal of meeting public needs. Future achievement will continue to compliment existing needs of the student, faculty and public.

THE REPORT OF THE DEPARTMENT OF
POLICE AND PARKING SERVICES
JULY 1, 1986 - JUNE 30, 1987
BERRY D. COX, DIRECTOR

MAJOR OFFENSES

The following statistics represent reported major offenses for the period, July 1, 1986 through June 30, 1987.

	<u>NUMBER OF REPORTS</u>	<u>VALUE</u>
1. Homicides	0	
2. Sexual Offenses:		
a. Forcible Rape	1	
b. Attempted Rape	0	
c. Indecent Exposure	13	
3. Robbery	7	\$ 6,014.00
4. Assault		
a. Aggravated	4	
b. Simple	19	
5. Burglary		
a. Private	22	13,270.00
b. University	24	83,871.00
6. Larceny		
a. Private	356	93,114.00
b. University	103	65,583.00
7. Motor Vehicle Theft	36	
8. Narcotics	0	
9. Arrests	53	
10. Criminal Damage to Property		
a. Private		27,472.00
b. University		25,471.00

PATROL DIVISION

The three patrol shifts of the UNM Police Department were involved in the following activities for the period:

Offense Reports	1,681
Arrests	40
Moving Citations	75
Parking Citations	967
Towed Vehicles	49
Assists/UNM Hospital	57
Assists/MHC	67
Escorts	2,331
Court Appearances	152

INVESTIGATIONS DIVISION

The Investigation Section, comprised of two detectives and supervised by Lt. Robert Raymond, worked in conjunction with the District Attorney's Office, the Albuquerque Police Department, the Bernalillo County Sheriff's Office, the New Mexico State Police, and other police departments throughout the state, as well as with out-of-state police agencies, assisting with cases having UNM connections.

The Investigation Section was involved in doing security surveys and crime prevention for UNM facilities.

Approximately 249 cases were assigned for investigation with a total of 127 cases being closed or completed. A total of 10

INVESTIGATIONS DIVISION (Continued)

arrests were made and a total of 19 cases were referred to other police agencies for further adjudication. Property totaling \$30,501.80 was recovered and returned to rightful owners, and restitution in the amount of \$1,574.60 was received in lieu of prosecution in some cases.

The Investigation Section fingerprinted 833 persons for the different employers that require fingerprinting as a prerequisite for employment, for a total of 1,702 fingerprint cards.

DEFENSE INDUSTRIAL SECURITY PROGRAM

During this fiscal year, the administrative assistant was promoted to the position of Industrial Security Coordinator. The Department of Defense continues to increase their efforts to insure contractors abide by the rules and regulations set forth in the Industrial Security Manual. Therefore, the industrial security coordinator's position was created. This position reports to the director of security and will work more closely with the departments involved in research.

Unfortunately, there were four suspected compromises of classified information reported during this fiscal year. However, our investigation revealed no unauthorized disclosure, but a definite lack of education and negligence.

Security education has been given top priority. During the year, several notices were distributed to all cleared personnel

DEFENSE INDUSTRIAL SECURITY PROGRAM (Continued)

covering topics such as foreign travel, adverse information, and marking of working papers. Pamphlets were distributed on espionage cases, (i.e., "Arthur Walker, An Unexpected Spy").

During this fiscal year, one unannounced inspection was conducted by the Defense Investigative Service. There was a discrepancy noted in our computer security as audit trails were not being reviewed and tapes were not marked with the downgrading and declassification markings.

We are continuing our efforts to reduce the number of security clearances and our classified documents.

TRANSITIONS

Separations:

Linda Tsadi
 Arnold Gutierrez
 Richard Carbajal
 David Newell
 Paula Valles
 John Dudek

Richard Coney
 Larry Gallegos
 Florence Chavez
 Tomm Kailey
 Tommy Sanchez

Appointments:

Brenda Williams
 John Romero
 Michael Reeves

James Glisch
 Dan Patton
 Howell Caroland

New Positions:

PEO Ingrid Lemus
 PEO Margaret Lovato
 PEO John Dudek

PEO Christopher Pino
 CS III Hector Garcia
 PEO Monica Skarpac

TRANSITIONS (Continued)

Promotions:

- Mike Padilla to Corporal
- John Lasusky to Assistant Director
- Leo Lucero to Assistant Director
- Alex Roybal to Associate Director
- Bob Raymond to Assistant Director
- Ruth Bowen to Coordinator of Industrial Security

TRAINING

The Department of Police and Parking Services patrol officers received training in the following areas:

- a. Felony Case Preparation
- b. Intoxilyzer 5000
- c. Firing Range

James Glisch was recertified as a New Mexico Police Officer at the New Mexico Law Enforcement Academy.

Stephanie Christian received in-house training as a Police Radio Dispatcher.

DEFENSIVE DRIVING COURSE

During the past year, the Defensive Driving Course was presented 15 times. One presentation was made at the Los Alamos branch of the University of New Mexico. All other classes were held on the UNM south campus.

Except for the class at Los Alamos, attendance averaged approximately 50 students per class. At Los Alamos, 10 students took the course.

The Tucker Room at the UNM South Golf Course has been the site for our DDC presentations this year. The Tucker Room is a good

DEFENSIVE DRIVING COURSE (Continued)

location because of access to parking and class size. The facility is a large open room and furniture can be arranged to suit various size groups.

Recently, however, there has been increasing pressure for use of the Tucker Room. It is possible that a rental fee may be charged for the use of the facility in the near future.

Although no additional budget was provided to the UNM Police Department when responsibility for DDC presentation was assumed, costs for materials are estimated to be \$1,000.00 per year. This cost is for National Safety Council handout books. Other materials are obtained free of charge from the State of New Mexico Motor Vehicles and Transportation Departments (state driver manuals and state vehicle operator permits). Estimated costs are exclusive of the instructor's time to set up and conduct the course. Estimated costs also do not include secretarial backup.

Currently, only DDC students not affiliated with UNM are charged a \$5.00 fee to cover costs. Most students are UNM faculty, staff, or students. However, there have been students from other New Mexico state agencies and federal agencies.

The DDC presentation is seen as a public service by the UNM Police Department. The state vehicle permit is required and in order to secure one an individual must attend a defensive driving course. The alternative to the UNM Police Department presentation

DEFENSIVE DRIVING COURSE (Continued)

of the defensive driving course is attendance at a similar course at another location off campus.

The DDC program is also viewed as a public relations vehicle in introducing the UNM Police Department to other UNM groups in a non-confrontational setting.

Instructors for the course are Captain Alex Roybal and Cpl. Pete James.

PARKING

In reference to parking, it must be remembered that this reporting year is the first year that the Ten Point Plan (see last year's report) to incorporate all the available parking lands into the paid parking system has been in effect. As expected, there was a great deal of consternation and unwillingness by parking patrons to purchase the new "N" zone permits in the far northern parking lands. However, as the year progressed, it was apparently seen that the parking arrangements in the "N" area, which provide the free shuttle bus service, were viable. Thus, ridership throughout the academic year was extremely high. Because of the fact that the users of those lots were required to pay, even through the summer months, it seemed necessary to provide the shuttle service during the months of June, July, and August. As expected, the shuttle service was necessary and apparently effective although no baseline data from

PARKING (Continued)

previous years is available because in previous years summer shuttle bus service was not provided. It should be interesting to compare next year's "N" zone permit sale totals with those contained herein, as the increased use of that zone and acceptance of more remote parking arrangements should be notable.

Shuttle Bus Ridership

July 1986	- 0*-
August 1986	15,365
September 1986	66,719
October 1986	61,181
November 1986	54,228
December 1986	31,925
January 1987	31,651
February 1987	59,594
March 1987	43,435
April 1987	51,146
May 1987	18,477
June 1987	6,186
July 1987	6,488

*No bus running.

Citations Issued For Fiscal Year*

July 1986	5,171
August 1986	1,836
September 1986	7,342
October 1986	9,534
November 1986	7,532
December 1986	7,645
January 1987	5,480
February 1987	7,646
March 1987	7,460
April 1987	<u>7,029</u>

Total 66,675

*Citation count unavailable for May and June 1987.

POLICE STUDENT AIDE PROGRAM

During this fiscal year, a vehicle was obtained specifically for our police student aide program. The students provided assistance as follows:

	<u>Vehicle Escort</u>	<u>Jump Starts</u>	<u>Unlock Cars</u>	<u>Foot Escort</u>	<u>Total</u>
Fall 1986	248	170	157	327	902
Spring 1987	376	219	302	310	1,189
Total	615	389	459	637	2,091

Previous to obtaining a vehicle, the students assisted the community as indicated below. During this period two bicycles were used as our mode of transportation.

	<u>Vehicle Escort</u>	<u>Jump Starts</u>	<u>Unlock Cars</u>	<u>Foot Escort</u>	<u>Total</u>
Fall 1985	None	None	None	513	513
Spring 1986	None	None	None	650	650
Total	None	None	None	1,163	1,163
Fall 1984	None	None	None	387	387
Spring 1985	None	None	None	356	356
Total	None	None	None	743	743

PROFESSIONAL ACTIVITIES

Berry Cox attended the annual meeting of the International Association of Campus Law Enforcement Administrators in Boston, Massachusetts.

Ruth Bowen was elected president of the Luminaria Chapter of the American Business Women's Association.

ANNUAL REPORT
OFFICE OF PLANNING AND POLICY STUDIES
July 1, 1986 through June 30, 1987
Richard H. Cady, Director

I. SIGNIFICANT DEVELOPMENTS DURING 1986-87

A. After the assumption of the presidency by Gerald May, Planning and Policy Studies was again reassigned, this time from the President to Vice President Jones.

B. We completed a much-needed accurate, coordinated inventory of academic programs with federal Classification of Instructional Program (CIP) codes assigned. This product was required by Academic Affairs, as well as, by the Commission on Higher Education (CHE) and Admissions and Records. The inventory should be controlled in the future by the Vice President for Academic Affairs with well-defined procedures.

C. A recommendation made several times in the past five years, and reiterated to President May in July 1986, namely, the negotiation of a statewide articulation compact between two-year and four-year institutions and endorsed by the CHE, finally resulted in action. A statewide symposium on 2, -- > 4 articulation has been ordered for December 7, 1987. We played an active role in planning for this symposium.

D. Following President May's decision in

March 1987 to disestablish the General College and to deny admission of the least qualified one-third of formerly "unclassified" admittees to General College, we provided to the Admissions Office a statistical model for making the admissions decision. The model was a discriminant function with test scores and high school percentile rank in class as predictors.

E. Following a review of the undesirable state of affairs on data submissions to the CHE, a committee recommended and President May approved the appointment of the Director, Planning and Policy Studies as University CHE Data Coordinator. This job requires a significant commitment of time and effort.

F. Research into problems with tuition and fees at UNM and in the entire state continued. The result was a policy analysis and a paper to the Tuition Policy Task Force, chaired by the Vice President for Academic Affairs, and established by the President. The paper recommends indexing, fair-shares, institutional restraint on fees, and variable rates by student level.

G. Considerable effort was expended on legislative matters. This work included attendance at hearings of the Legislative Higher Education Reform Committee (LHERC) and Legislative Universities Study Committee (LUSC), interim committees, the supplying of written information and testimony to those committees, and reviewing of proposed resolutions and bills.

H. We participated in a federally-sponsored study of minority student success in higher education as a subcontractor to Arizona State University. UNM was one of nine case studies across the nation.

I. The Faculty Senate established a Pay Equity Subcommittee of the Staff and Faculty Welfare and Benefits Committee. Planning and Policy Studies is assigned to assist this committee.

J. After the CHE arbitrarily cancelled the instructional space utilization report, Planning and Policy Studies insisted that a replacement report be locally programmed and produced. This was done by Computer and Information Resources & Technology.

K. Computer graphics capability in our office has been upgraded, the better to satisfy users of our studies who prefer graphical presentation.

L. We worked with the Vice President/Academic Affairs to obtain participation for UNM in a national field trial of the new ETS product for assessment of general education, "The Academic Profile."

M. Members of the office participate in the following committees: Adult Re-entry, Enrollment Management, Admissions and Records, Computer Use, and Legislative Liaison Committees.

N. The new and more demanding federal reporting requirements of the Integrated Postsecondary Education Data System (IPEDS) were implemented. Higher Education

General Information Survey (HEGIS) is replaced.

O. We suggested the use of The College Board's "green book" and "rainbow books" on content of high school preparation for college. UNM, the College Board's southwestern office, Commission on Higher Education, and State Department of Education collaborated in a statewide effort with faculty and high school teachers to promote use of these materials.

P. On numerous occasions we supported the CHE staff and Legislative Finance Committee (LFC) staff with a wide variety of information, studies, and data on particular issues or problems.

Q. Produced the widely distributed "good news" for the second year.

R. At his request, researched for President May current practices in the evaluation of academic administrators in higher education.

S. Much work done on President May's Early Retirement Committee.

II. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

A. Support the UNM 2000 Committee by producing the "environmental scan" and such other duties as may be assigned.

B. Draw up an "assessment plan" for UNM undergraduates and submit to Vice President/Academic

THE REPORT OF THE OFFICE OF SCHOOL RELATIONS
AND PROSPECTIVE STUDENT SERVICES
July 1, 1986 - June 30, 1987
Charlotte Cooper, Director

The primary function of the Office of School Relations is the recruitment of undergraduate prospective students to the University of New Mexico.

Recruitment is defined as the means by which enrollment of newly admitted students to the University is maintained at an anticipated level or increased. This is achieved through a process of interaction between a prospective student and University offices or representatives. It begins with the initial contact and continues through matriculation. Undergraduate prospective students are identified as traditional age beginning college freshmen, transfer students, and non-traditional students. Recruitment efforts are targeted at the traditional age market in New Mexico and out of the state. However, additional programs are directed toward transfers from the two-year colleges in New Mexico and in surrounding states, and also toward returning adult students.

In the fall of 1986, enrollment of traditional age students from the Albuquerque area dropped while it increased from schools in New Mexico and from out of state. Enrollment from two-year colleges in New Mexico

and from the adult population increased. With this in mind much effort this year was directed to review/revision of programs and toward the prioritizing of activities and resources. Emphasis has been on setting new goals or on exploring different means to accomplish the same goals.

Critical to recruitment efforts is the development of good public relations, a well-organized system of communication, the use of a high powered cadre of volunteers, (faculty, staff, current students, and alumni), a strong interdepartmental network, and a well-trained staff that see themselves as a team. This report is an attempt to describe efforts in these areas and to determine the strengths, weaknesses and needs of the office at this time.

I. ADMINISTRATION

- A. Staff training continues to be of primary importance to the Office of School Relations. In addition to providing on-going training to the outreach staff, almost every staff member has attended one or more workshops provided by the Management/Development Office at UNM; or by professional organizations. This summer a special workshop was developed and presented to strengthen teamwork for all employees. Additionally, two

staff members attended the national meeting of National Association of College Admission Counselors (NACAC).

- B. The internal organizational structure was revised this year to create a new division for local programs. It is anticipated that this change will enable the outreach component to focus on community programs while the development/implementation of campus programs and maintenance of the volunteer pool is handled by the local program component. This separation appears to be more equitable regarding grade and pay. As an experiment, this change will be evaluated at a later date.
- C. Recruitment is an important element in the Enrollment Management concept. The School Relations director continues to be a part of this task force and was actively involved in developing recommendations for the Sub-committees on Financial Aid, and on Recruitment. Additionally, she participates in the Adult Re-Entry Committee. School Relations provided funds to the Office of Evening and Weekend Courses for the creation of a promotional brochure. Possibilities are being explored for developing an interdepartmental team approach to recruit adult students.
- D. The toll-free telephone service has grown in popularity and probably doubled in use during this

fiscal year. Approximately 60% of all toll-free calls are transferred to other Student Services offices (Admissions, Financial Aid, Housing, College Enrichment, and Dean of Students). As predicted in last year's annual report, this service has become a major budgeting problem. It is seen as a University service, not a departmental one. Requests for fiscal support will be submitted again this year to the Administration. Meetings with Mountain Bell, AT&T, and the UNM telephone service will be held to discuss streamlining this service.

- E. Public relations efforts continue with participation in community agencies/activities such as the Albuquerque Chamber of Commerce, LULAC, and the "Lobo Day" celebration. School Relations continues to reinforce positive contacts with high school administrators, activity directors, teachers, counselors and parents.
- F. Interacting and interfacing with UNM departments continues to be primary for School Relations. Staff were made available regularly for the Orientation Programs, for Alumni events, and for Welcome Back Days. Presentations and supplies were provided to each of the athletic coaching staff. School Relations employees have provided additional service through committee membership on the

Presidential Scholarship Committee, Alumni Director Search Committee, Chi Omega Advisory Board, Homecoming Committee, Alumni Student Recruitment Committee, Academic Advisement Committee, and as Volunteers for The Blind Athletic Program, International Students Club, and as advisor for Mortar Board.

II. PROGRAMS

Contact with students are an important part of the recruitment process. Most recruitment programs are designed to develop an inquiry pool, provide information and sustain interest of prospects. They complement the on-going interaction between School Relations staff and prospective students/parents. Following are the programs implemented this year with a brief summary of each.

A. OFF CAMPUS PROGRAMS IN NEW MEXICO

1. Information Distribution - Programs held at high schools which are designed to give key high school personnel the information that they need to advise students about opportunities and processes at UNM. Also helps build UNM/high school rapport.
2. New Mexico High School College Days - Staff present to high school students throughout

New Mexico the benefits and opportunities of attending UNM, and provide information about procedures. All New Mexico and several out-of-state colleges/universities participate. The New Mexico College Day Committee schedules this program at the high schools.

3. High School Visits (Albuquerque and out of Albuquerque) - Office of School Relations staff are accessible to students for information dissemination through multiple visits to the high schools during the school year. Visits make UNM available to prospective students and school personnel for personal interaction.
4. Pre-Orientation Callbacks - Programs designed to inform high school students of the importance of summer freshmen orientation and to prepare them with basic information for course selection and registration.
5. Top 10% (EXCEL) Receptions - Programs in nine communities out of Albuquerque are coordinated with the Alumni Office, and honor students who are in the top 10% of their graduating class. Receptions give students, family, and high school personnel opportunity to meet with UNM administrators, faculty,

staff, and alumni and learn more about the options and advantages UNM offers. In communities outside Albuquerque, UNM faculty additionally teach in the schools, address civic clubs, and are guests on radio/tv talk shows.

B. PROGRAMS FOR ALBUQUERQUE STUDENTS ONLY

1. Albuquerque College Fair - UNM participates in a day long program held at Winrock Center that provides contact and information (for the general public) regarding UNM's programs, procedures, and admission requirements. This is a large-scale event sponsored by the Rocky Mountain Association of College Admission Counselors. Approximately 160 colleges and universities from around the country participate.
2. Home Visits Program - This program is co-sponsored with the UNM Alumni Association. The purpose is to personally contact high school seniors from five Albuquerque schools who are in the top 10% of their graduating class. This program informs prospects of the many options available at UNM, and allows for personal interaction. Out of 199 contacts, 90 home visits were made by alumni, faculty, and staff volunteers. Those not wanting a home visit were surveyed by phone regarding their needs and plans.

The results of all contacts (visits and phone) were surveyed as follows: Definitely coming to UNM = 70, maybe coming to UNM = 52, going elsewhere = 56, No response = 21.

Parents and other family members are usually involved in the home visits. This adds another dimension to this recruitment approach. All home visit students are presented with lapel pins.

3. Excel Receptions - This program is also co-sponsored with the UNM Alumni Association. Those schools that were not to be home visited were invited to two receptions held at the New Mexico Museum of Natural History. The program site was given free of charge by adjunct professor, Dr. Jon Callender. 78 students attended the program and were accompanied by 160 parents/family members. These students were also presented with lapel pins. This kind of program gives students the opportunity to explore academic programs and student services by interaction with UNM representatives who also attend.

C. PROGRAMS HELD ON THE UNM CAMPUS

1. Host/Hostess and Campus Visitation Programs - These provide overnight accommodations, campus tours, appointments with academic advisors/faculty, admissions and financial

aid staff for information. The Host/Hostess Program offers prospective students the opportunity to stay on-campus overnight with current UNM student, attend classes, and become familiar with UNM facilities and services. This is an especially important element in the final stages of the decision-making process. 771 prospective students participated in campus visitation programs this year. 107 were from Albuquerque, 226 from New Mexico, and 438 from out of state. Parents and families also visited, but are not reflected in the numbers listed. 33 students participated in the Host/Hostess program.

2. Large Group Tours - Another method of introducing the University to prospects is through the large group tour program. Six visitation programs were served by School Relations, and 233 students were given tours through these programs.
3. High School Senior Day - offered on a Saturday and geared toward high school seniors, consists of a number of specific activities designed to acquaint students with the physical layout of campus, academic advisement/information, admissions/financial

aid procedures, and campus life in general. Approximately 700 participants (prospective students, parents, UNM faculty, staff and UNM students) attended that program.

4. Faculty/Student Calling Campaign - Current UNM students and faculty make personal contact with prospective high school students from New Mexico and out of state via the telephone and thus establish a personal rapport, as well as inform them of procedures and deadlines. This year 2,757 students were contacted via volunteer services of 116 faculty, staff and current students.
5. Counselors' Conference - Program which invites high school counselors from throughout New Mexico to visit UNM campus. Specific nature of program may vary from year to year, but focuses on information and public relations. This year the program was "piggy-backed" with an ACT workshop. Unfortunately, counselors did not stay for the UNM program. This program will be carefully reviewed and may be cancelled or revised considerably.
6. Experience UNM - A two day program held at UNM which is designed to familiarize outstanding high school juniors from selected

communities via a personalized campus visit. Emphasis focuses on recruiting students in the top 10% of their graduating class. Visit consisted of a two-day stay and included orientation, tour, attending classes, and a reception honoring these guests. Interaction with faculty, staff and current UNM students are an important part of the program. This year, the communities of Farmington and Santa Fe were selected to participate; 20 students from each area attended. Funding for this project was made possible by the UNM Foundation.

7. Alumni Recognition - Program which honors alumni for participation in recruiting efforts of prospective students to UNM through the Office of School Relations. A reception is held on campus and provides recognition pins. This year 40 alumni participated in outreach programs.
8. Faculty and Staff Recognition - Program to honor faculty and staff volunteers who have been involved in many OSR programs. Outstanding Volunteer of the Year awards (one for faculty and one for staff) are presented in addition to certificates. This year 166

faculty/staff participated; 121 of those were repeat volunteers.

9. UNM Current Student Recognition - Program honoring current UNM students for participating in recruitment efforts. In 1986-87, 158 current students from 36 organizations participated. They were recognized with certificates and pins. A special award is also made to the student organization with the highest level of volunteer participation in outreach efforts.

D. PROGRAMS FOR TRANSFER STUDENTS

1. Post-Secondary Institution Visits - Provide two-year institutions with information and assistance for their students who want to transfer to UNM. Primary areas which produce the greatest numbers of students are the UNM Branches, San Juan College, New Mexico Junior College, and Santa Fe Community College. These receive the greatest attention in recruitment efforts. In addition to regular visits, School Relations coordinates a team visit of advisors to these areas once a year. All other community colleges are visited by School Relations at least twice a year.

E. PROGRAMS FOR OUT-OF-STATE RECRUITMENT

1. Out-of-State College Fair/Night Programs

Purpose is to recruit students and increase national visibility, and add to the cultural mix of the university. College fairs are attended in targeted states outside of New Mexico which include Colorado, Arizona, California, Texas, Minnesota, Illinois, and New York. The University was represented by UNM alumni in local college night programs in six additional communities.

F. SPECIAL PROGRAMS

1. This year, School Relations participated in two recruitment programs directed toward adults; both were sponsored by the city. Attendance was light.

III. COMMUNICATIONS

As stated in each annual report, the major impasse to effective communications by the Office of School Relations is its lack of access to the on-line computer system which is also shared by the Admissions Office and Student Financial Aid. The uphill battle for these services continued last year. School Relations is still unable to obtain or provide current and correct information about

the status of the prospective student. Also, to produce a personalized letter, each name must be re-keyed each time a letter is developed. The lack of an efficient system continues to prevent a consistent flow of personalized communication to prospective students and makes the evaluation of recruitment programs impossible. However, in spite of this major problem, changes have continued to occur in the communications area.

- A. Replacement/Addition of Equipment - Replacing the Inforex data entry machines with two personal computers on loan from the Computing Center enhanced our ability to update the Prospective Student File. The purchase of an additional word processor and printer for the administrative secretary relieved some of the work-load on machines needed for the communications area. The addition of a TELEX terminal now allows staff more visual access to the admissions system thereby enabling them to work with prospects individually.
- B. Revision of Videotape - After a year of use and review the video-tape was revised to include more emphasis on UNM rather than on state of New Mexico. Plans are being made to expand distribution.

C. New Departmental Brochures - Efforts continued to develop specialized brochures describing opportunities and services to ethnic minorities. The development of individual brochures is being coordinated with the American Indian Student Services, The Afro-American Student Services and the Hispanic Student Services. It appears that these publications will be complete in fall of 1987.

IV. OUTSIDE PROFESSIONAL ACTIVITIES

A. Director Charlotte Cooper continues to be active in the New Mexico College Day Committee and the New Mexico Coordinating Council. She is a member of the Council For Higher Education (CASE), The National Association for College Admissions Council (attended the annual convention in 1987), and the New Mexico Telemarketing Association. At the University she serves on the Enrollment Management Task Force, The Presidential Scholarship Committee, and the Alumni Student Recruitment Committee. This year she was a member of the search committee for the Alumni Director. She continues as a volunteer for the annual Fund-Presidential Scholar Drive and this year served as a team captain for that effort.

- B. Associate Director, Harold Pope is a member of the New Mexico College Day Committee, The Rocky Mountain Association of Collegiate Registrars and Admissions Officers (RMACRAO). As an associate member of Colorado Educational Services and Development Association (CESDA) he was honored at the fall meeting. He was a volunteer for the Annual Fund Presidential Scholar Drive. He served on the search committee for the Associate Director of Athletics.
- C. Assistant Director, Helen Horn is a member of the New Mexico College Day Committee, the Alumni Letterman's Committee, and the Alumni Student Recruitment Committee.
- D. Assistant Director, Danny Trujillo is a member of the New Mexico College Day Committee and represents School Relations in the Academic Advisement Committee.
- E. School Relations Specialist, Annette Hazen is a member of the New Mexico College Day Committee, an advisor to Mortar Board, Chi Omega Sorority, and the Amigo Scholars Club. She attended a week-long training workshop developed by the College Board, and also participated in the annual NACAC Convention. Annette volunteered for the Annual Fund Presidential Scholar Drive.

F. School Relations Specialist, Lawrence Roybal is a member of the New Mexico College Day Committee, and has been very involved with the Office for International Programs and Services.

V. STAFF APPOINTMENTS/SEPARATIONS/REVISIONS

Ginger Miller, Department Secretary hired June 30, 1986, replacing Elaine Hart.
Camille Cordova, School Relations Specialist hired August 11, 1986; replacing Vince Baca who resigned on July 31, 1986.
Bryan Fleming, School Relations Specialist hired February 16, 1987; replacing Camille Cordova who resigned December 31, 1986.
Robert Williams, Clerical Specialist, hired October 27, 1986, replacing Jennifer Bennecke.
Lawrence Roybal reclassified as School Relations Specialist II on February 2, 1987.

SPECIAL SERVICES PROGRAM
Period To Be Covered: 07/01/86 - 06/30/87

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Juan J. Candelaria, Director

1987 was marked by turnover in personnel in the Special Services and Upward Bound Programs. Three exempt positions and one non-exempt position were vacated and refilled. Counseling Psychologist, Dr. Ricardo Martinez, was replaced by Patrick Dunne, a doctoral candidate in Guidance and Counseling. Wendy Carse, Curriculum Coordinator, was replaced by Leora Reeves. Administrative Secretary, Marsha Alarid, was replaced by Patricia Cortez, and Patricia Cortez, Program Secretary, was replaced by Della Marie Owen. The three employees who left the programs did so in order to improve their career opportunities.

Both programs which are federally funded suffered from federal budget deficit adjustments. Special Services was cut by two percent, from 148,000 to 141,970, and Upward Bound received a minor increase from 203,807, to 211,500. Special Services continued to provide academic supportive services to 300 low income, first generation and physically handicapped UNM students, and Upward Bound continued to provide its college preparatory services to 100 students with academic potential from four high impact Albuquerque high schools.

The biggest problem faced by both programs was the lack of leadership at the Vice-Presidential level. This was due primarily to the continuing instability at the upper levels of the UNM administration. The following summary of services provided by the Special Services Program.

U.S. Department of Education
Washington, D.C. 20202

Annual Performance Report

Special Services for Disadvantaged Students (SSDS)
(Authority: Public Law 89-329, as amended)

SECTION I

Project Identification, Certification, and Warning

A. IDENTIFICATION

1. Project Director:	<u>Juan J. Candelaria</u>		
2. Name of Institution:	<u>University of New Mexico, Special Services Program</u>		
3. Address:	<u>2013 Mesa Vista Hall</u> (Street)		
	<u>Albuquerque</u> (City)	<u>New Mexico</u> (State)	<u>87131</u> (Zip)
4. Telephone Number:	<u>A.C. (505)</u>	<u>No. 277-3506</u>	
5. Grant Number:	<u>GOO 8400581</u>		
6. Report Period:	<u>06</u> Mo	<u>01</u> Day	<u>1986</u> Yr
	to		<u>05</u> Mo
			<u>31</u> Day
			<u>1987</u> Yr

B. CERTIFICATION

I certify that the information reported herein is accurate, complete, and readily verifiable to the best of my knowledge.

Juan J. Candelaria, Director
Type or print Name and Title
Signature of Authorized Certifying OfficialAugust 28, 1987
Date

C. WARNING

Further monies or other benefits may be withheld under this program unless this report is completed and filed as required by existing law (20 U.S.C. 1232a) and regulations (34 CFR 74.82 and 34 CFR 75.720).

SECTION II - INFORMATION ON PROJECT PARTICIPANTS

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A. Number of Participants Assisted During Period 293

B. Participant Distribution on the Basis of Eligibility

ELIGIBILITY CRITERIA	NUMBER OF PARTICIPANTS
1. Low-income and First Generation	66
2. Low-income only	1
3. First Generation only	21
4. Physically Handicapped	205
Total (Sum of lines 1 through 4; must agree with total in A. above)	293

C. Participant Distribution by Ethnic Background

ETHNIC BACKGROUND	NUMBER OF PARTICIPANTS
1. American Indian/Alaskan Native	39
2. Asian/Pacific Islanders	6
3. Black (Other than Hispanic)	11
4. Hispanic	96
5. White (Other than Hispanic)	141
6. TOTAL (Sum of lines 1 through 5; must agree with total in A.)	293

D. Participant Distribution by Sex

Number of Participants

1. Male	152
2. Female	141
3. TOTAL (Sum of lines 1 and 2; must agree with total in line A.)	293

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SECTION III - PROVISION OF SERVICES

<u>Service</u>	<u>Number of Participants</u>
Instruction in:	
Reading	<u> </u>
Writing	<u> 40</u>
Study Skills	<u> 18</u>
Mathematics	<u> 47</u>
Other	<u> </u>
Personal Counseling	<u> 98</u>
Financial Aid Assistance (forms completion, referrals, etc.)	<u> 3</u>
Academic Counseling	<u> 293</u>
Tutorial	<u> 135</u>
Cultural & Academic Enrichment	<u> 2</u>
Career Planning	<u> 3</u>
Graduate School Counseling	<u> 2</u>
English Proficiency	<u> 3</u>
Handicapped Services (reading, interpreting, proctoring, typing, etc.)	<u> 137</u>

SECTION IV - PROJECT PERFORMANCE OUTCOMES

	<u>Current Participants</u>	<u>Prior Year(s) Participants</u>
A. Students Enrolled at the End of the Report Period		
1. In good academic standing	<u> 230</u>	<u> 177</u>
2. Not in good academic standing	<u> 53</u>	<u> 65</u>
B. Students who left the institution during the Report Period		
1. Dismissed for academic reasons	<u> </u>	<u> </u>
2. Dismissed for other-than academic reasons	<u> </u>	<u> </u>
3. Withdrew for financial reasons	<u> </u>	<u> </u>
4. Withdrew for health reasons	<u> 2</u>	<u> </u>
5. Withdrew for academic reasons	<u> 5</u>	<u> </u>
6. Withdrew for other personal reasons	<u> 3</u>	<u> </u>
7. Transferred to another postsecondary institution	<u> 5</u>	<u> </u>
8. Graduated from the institution	<u> 7</u>	<u> </u>

SECTION V - SUMMARY OF OTHER PROJECT ACCOMPLISHMENTS

State briefly other project goals and objectives which are not covered in previous sections of this report and briefly describe the project's accomplishments during the report period.

<u>GOAL/OBJECTIVE</u>	<u>ACCOMPLISHMENT</u>
<p><u>OBJECTIVE I - Identification and selection of students</u> Three hundred (300) students will be selected each year. Procedures are in place which will ensure that students meet federal selection guidelines as outlined in the 1987-88 UNM SSDS proposal.</p>	<p>Two hundred ninety-three (293) eligible students were identified and selected for program services during FY 1986-87.</p>
<p><u>OBJECTIVE II - Individual student assessment.</u> Instructional and academic assessments will provide instructional, tutorial and counseling staff with information from which to address disadvantaged students' problems.</p>	<p>All program students were assessed individually. All individuals served met eligibility criteria. It was determined that the needs of learning disabled students are more difficult to assess due to the wide spectrum of symptoms. It was recommended to the UNM administration that the University should take steps toward establishing a comprehensive program of assessment for learning disabled students. This recommendation was taken under advisement.</p>
<p><u>OBJECTIVE III - Basic skills instructional program.</u> Conventions of Written English, Basics of College Paper Writing, Diction and Vocabulary Building, Critical Thinking and Reading, General Study Skills, Problem Solving Skills, Regimen for Problem Solving, and Basics of Experimentation will be titles of courses offered in the SSDS Instructional Program.</p>	<p>All requests for Basic Skills instruction were referred to the UNM Basic Skills Center. The Skills Center offers a comprehensive program of instruction in Basic Skills which it developed during the last eighteen months. Any UNM student is eligible for services regardless of enrollment hours.</p>
<p><u>OBJECTIVE VII - Administrative management, monitoring, and evaluation.</u> The management of UNM SSDS will continue to be guided by federal requirements of 34 CFR Part 646 and 34 CFR Parts 74, 75, 77, and 78 of the Education Department General Administrative Regulations (EDGAR), and University of New Mexico fiscal and administrative regulations. Monitoring and evaluation will be accomplished on the basis of program objectives, as guided by UNM and federal guidelines contained in 34 CFR 75.730, 75.731, and 75.732.</p>	<p>The SSDS Director proposed to the UNM administration that services for handicapped be decentralized. The intent was to force UNM to contribute in a greater manner to the costs incurred providing services to handicapped students. The Affirmative Action Office, and the Special Education Department were to contribute services and personnel in a new comprehensive effort. The proposal was disapproved by the Vice President for Student Affairs. Special Services recovered approximately \$2,000.00 from the New Mexico Division for Vocational Rehabilitation, and the New Mexico Commission for the Blind. The \$2,000.00 were partial payment to the program for costs incurred providing academic support services to handicapped students.</p>

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SECTION : SUMMARY OF OTHER PROJECT ACCOMPLISHMENTS

State briefly other project goals and objectives which are not covered in previous sections of this report and briefly describe the project's accomplishments during the report period.

<u>GOAL/OBJECTIVE</u>	<u>ACCOMPLISHMENT</u>
	<p>The University of New Mexico in awarding over ten million (10,000,000.00) dollars has fulfilled its assurance to meet the full financial needs of all its students and particularly those students participating in the Special Services Program.</p>

PERFORMANCE REPORT FORM (ED Form E 1231)

Line-by-Line Instructions

Section I Project Identification, Certification, and Warning

Subsection A - Identification

- 1 The project director is the person to be contacted for further information.
- 2,3 Self explanatory
- 4 This should be the telephone number of the project director.
- 5 This is the identifying number from the grant award document.
- 6 This corresponds to the budget period (sometimes referred to as the grant period.)

Subsection B - Certification

The certifying official is the individual (successor or designee) who signed the grant application on behalf of the institution.

Subsection C - Self Explanatory

Section II Information on Project Participants

A. Number of Participants.

This is the total number of persons who have been enrolled or re-enrolled in the project during the report period and who have received documented services during the report period.

B. Eligibility Criteria.

Special Services project participation requirements prescribe that an individual must, at the time of initial selection, be a "low-income individual", a "first-generation college student", or a person who is "physically handicapped." These terms are defined in program regulations. Two-thirds of a project's participants must be qualified as both low-income and also first generation, or be physically handicapped; the remaining one-third can be either low-income, first generation, or physically handicapped.

FINANCIAL STATUS REPORT

RECIPIENT ORGANIZATION

University of New Mexico
Office of the Comptroller
Trust and Grant Accounting
Albuquerque, New Mexico

1. FEDERAL AGENCY AND ORGANIZATIONAL ELEMENT TO WHICH REPORT IS SUBMITTED: 2. FED GRANT OR IDENTIFYING NUMBER: 3. ONB Approved: PAGE No. 00-R0100: OF

GRANTS MANAGEMENT BRANCH
US DEPARTMENT OF EDUCATION
ROB-3, ROOM 3069 MAIL STOP 3309
WASHINGTON, D.C. 20202

6008400581

339

4. EMPLOYER IDENTIFICATION NUMBER: 5. RECIPIENT ACCOUNT NO. OR IDENTIFYING NO.: 6. FINAL REPORT? 7. BASIS

85-6000-642 287-400-9 X YES / ___ NO X CASH / ___ ACCRUAL

8. PROJECT OR GRANT PERIOD: 9. PERIOD COVERED BY THIS REPORT

FROM (month, day, year) TO (month, day, year) FROM (month, day, year) TO (month, day, year)

06-01-84 05-30-87 06-01-86 05-30-87

STATUS OF FUNDS

Programs/Functions/Activities	(a)	(b)	(c)	(d)	(e)	(f)	(g)	TOTAL
Net outlays previously reported	5288,087.01							5288,087.01
Total outlays this report period	145,055.20							145,055.20
Less: Program income credits	0.00							0.00
Net outlays this report period (Line b minus line c)	145,055.20							145,055.20
Net outlays to date (Line a plus line d)	493,142.21							493,142.21
Less: Non-Federal share of outlays	3,085.20							3,085.20
Total Federal share of outlays (Line e minus line f)	490,057.01							490,057.01
Total unliquidated obligations	0.00							0.00
Less: Non-Federal share of unliquidated obligations shown on line h	0.00							0.00
Federal share of unliquidated obligations	0.00							0.00
Total Federal share of outlays and unliquidated obligations	490,057.01							490,057.01
Total cumulative amount of Federal funds authorized	492,319.00							492,319.00
Unobligated balance of Federal Funds	2,261.99							2,261.99

CERTIFICATION

I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays and unliquidated obligations are for the purposes set forth in the award documents.

a. TYPE OF RATE (Place "X" in appropriate area)
 PROVISIONAL PREDETERMINED FINAL FIXED

b. RATE 6% TDC c. BASE \$134,539.20 d. TOTAL AMOUNT: \$10,763.14 e. FED SHARE \$10,516.00

12. REMARKS

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL: *Elizabeth Herbster* DATE REPORT SUBMITTED: AUG 25 1987

TYPED OR PRINTED NAME & TITLE: Elizabeth Herbster, Manager TELEPHONE: (505) 277-4721

STANDARD FORM 269 (7-76)
Prescribed by Office of Management and Budget

ANNUAL REPORT
of the
OFFICE OF
STUDENT FINANCIAL AID
CAREER PLANNING AND PLACEMENT

July 1, 1986 - June 30, 1987

1986 - 87

THE REGENTS

of

THE UNIVERSITY OF NEW MEXICO

- The Honorable Toney Anaya,
Governor of the State of New Mexico, ex officio.....Santa Fe
- Allen Morgan, State Superintendent of
Public Instruction, ex officio.....Santa Fe
- Jerry Apodaca.....Santa Fe
- Mrs. George J. Maloof.....Albuquerque
- Dr. John D. Paez.....Albuquerque
- Mrs. William A. Jourdan.....Hobbs
- Robert Sanchez.....Albuquerque

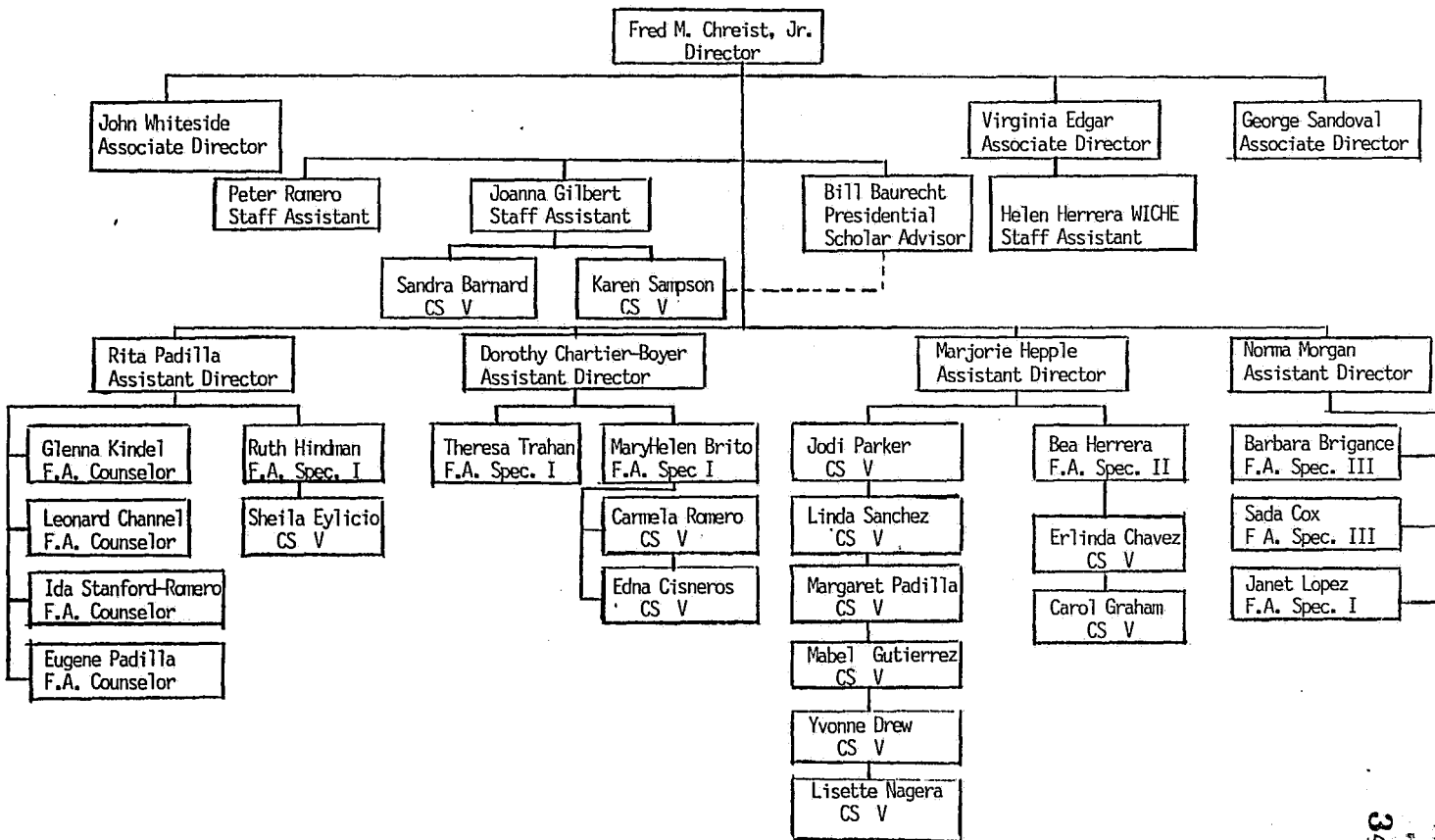
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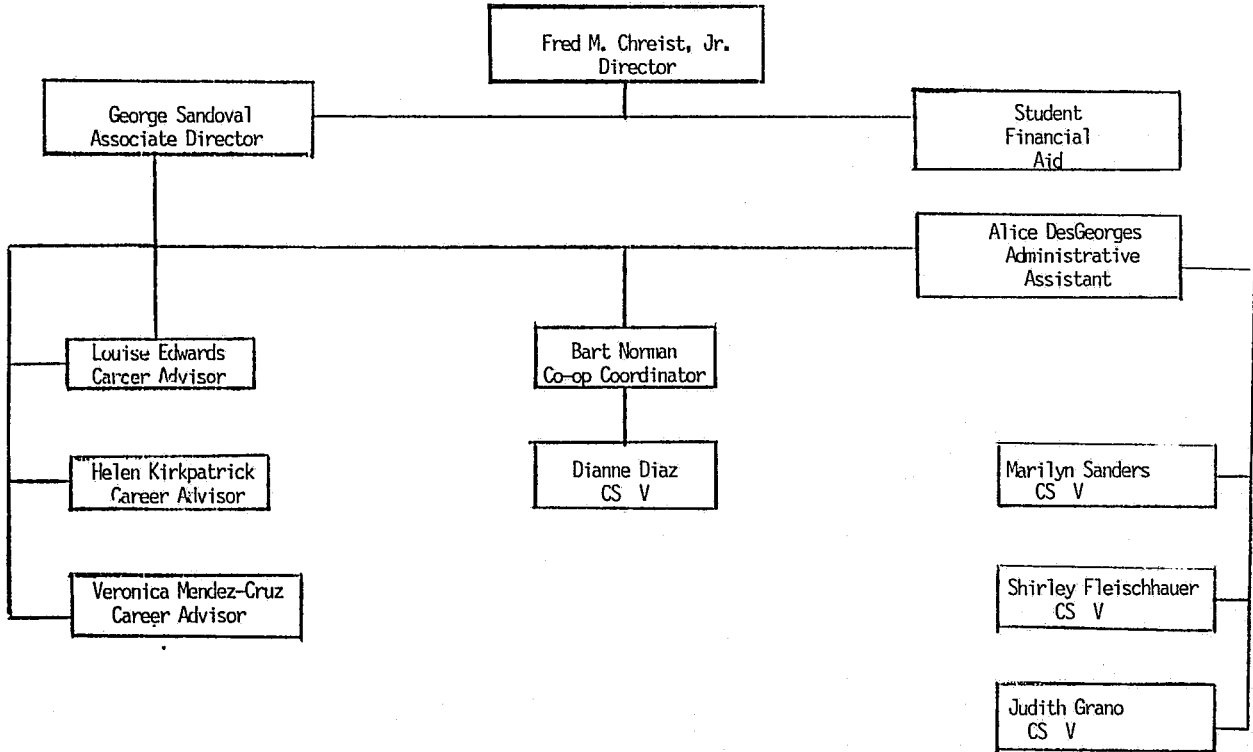
STUDENT FINANCIAL AID
 ORGANIZATION CHART
 June, 1987



CAREER PLANNING, PLACEMENT & COOPERATIVE EDUCATION

ORGANIZATION CHART

June, 1987



PROFESSIONAL STAFF

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and

ACTIVITIES

Carolyn Beske	Ruth Hindman
Barbara Brigance	Janet Lopez
Leonard Channel	Norma Morgan
Dorothy Chartier-Boyer	Bart Norman
Fred Chreist, Jr.	Rita M. Padilla
Sada Cox	Ida Stanford-Romero
Alice DesGeorges	George Sandoval
Virginia Edgar	Cecil Slaughter
Louise Edwards	Theresa Trahan
Marjorie Hepple	John Whiteside
Beatrice Hererra	

The professional staff participated in professional and leadership activities at the university, state and national levels. These activities were:

1. Fred Chreist served as President-elect of the Southwestern Association of Student Financial Aid Administrators (SWASFAA). He was a member of the Executive Committee of SWASFAA, Chairman of the Local Arrangements Committee for 1985 (SWASFAA), member of the Constitutional Committee (SWASFAA), Long-Range Planning Committee (SWASFAA), and served as member of College Scholarship Service Regional Advisory Committee and American College Testing Program Regional Advisory Committee. He also served on various University committees. He is a member of the Cooperative Education Association, New Mexico College Placement Association, New Mexico Student Personnel Association and the National Association of Student Financial Aid Administrators.

2. John Whiteside served on the National Association of Student Financial Aid Administrators (NASFAA) Task Force on Athletic Concerns and the National Faculty for Congressional Methodology Training, and on the Regional Advisory Committee for College Scholarship Service and American College Testing. He was New Mexico's Pell Grant Trainer in 1984-85. He is a member of various committees at UNM. He is also a member of the New Mexico Association of Student Financial Aid Administrators (NMFASFAA), the Southwestern Association of Student Financial Aid Administrators (SWASFAA), and the National Association of Student Financial Aid Administrators. He gave program sessions in 1983, 1984, 1985, 1986 at both regional and state annual meetings.
3. Virginia Edgar served as a member of NASFAA, SWASFAA and NMFASFAA prior to her retirement on January 1, 1987. She had been an active participant in all three organizations as well as being a willing volunteer for many UNM committees and activities since her employment in 1974.
4. Dorothy Chartier-Boyer continues as a member of the Student Workers' Policy and Procedures Committee at UNM. A revision of the Student Employee Handbook was published and distributed to students and departments.
5. Marjorie Hepple is a member of the Residency Appeals Committee and the Student Affairs/Information Systems Coordinating Committee at UNM. She served as Secretary of NMFASFAA and has been elected President-elect of NMFASFAA for the ensuing year. Marjorie represented New Mexico at a Leadership Conference sponsored by NASFAA in Washington, D.C. She is also a member of NASFAA and SWASFAA.

6. Norma Morgan, Rita Padilla and Dorothy Chartier-Boyer are all members of NASFAA, SWASFAA, and NMASFAA. Norma served on a NMASFAA sub-committee on Nursing. Rita served on a NMASFAA sub-committee on Early Awareness.
7. George Sandoval is a member of New Mexico College Placement Association, Rocky Mountain College Placement Association and Association of School, College and University Staffing, Cooperative Education Association.
8. Bart Norman is a member of Rocky Mountain College Placement Association, Southwest Placement Association, Southwestern Association for School, College and University Staffing (SWASCUS).
9. Louise Edwards is a member of the New Mexico College Placement Association and Committee Member, New Mexico State Government Intern Program of NMCPA.
10. Leonard Channel is a committee member of the Adult Re-entry Committee and of the Pace Grant Committee, and the Scholarships, Prizes and Loans Committee at UNM. He is a member of the Vietnam Veterans of New Mexico and Vietnam Veterans for America.
11. Rita M. Padilla served as a member of the North Central Evaluation Team, is a member of the NMASFAA, SWASFAA, and NASFAA. She is a member of the Hispanic Chamber of Commerce Education Committee and also serves on the Advisory Board for the New Futures Vocational Education School. Rita also attended the Leadership Conference in Washington D.C.

PERSONNEL CHANGES

Sandra Barnard	Clerical Specialist V	
Bill Baurecht	Presidential Scholar Advisor	
Carolyn Beske	Financial Aid Specialist I	Transferred 10/5/86
Barbara Brigance	Financial Aid Specialist III	Reclassified 7/9/86
MaryHelen Brito	Financial Aid Specialist I	Promoted 10/20/86
Leonard Channel	Financial Aid Specialist III	Reclassified 7/9/86 Terminated 6/19/87
Dorothy Chartier-Boyer	Assistant Director	
Erlinda Chavez	Clerical Specialist V	
Fred Chreist, Jr.	Director	
Edna Cisneros	Clerical Specialist V	Employed 11/24/86
Sada Cox	Financial Aid Specialist III	Reclassified 7/9/86
Alice DesGeorges	Administrative Assistant	
Dianne Diaz	Clerical Specialist V	
Yvonne Drew	Clerical Specialist V	
Virginia Edgar	Associate Director	Retired 1/1/87
Louise Edwards	Career Advisor	
Sheila Eylicio	Clerical Specialist V	Employed 6/29/87
Shirley Fleischhauer	Clerical Specialist V	
Joanna Gilbert	Staff Assistant	
Carol (Tiefa) Graham	Clerical Specialist V	
Judith Grano	Clerical Specialist V	
Mabel Gutierrez	Clerical Specialist V	
Marjorie Hepple	Assistant Director	
Beatrice Herrera	Financial Aid Specialist II	
Helen Herrera	Staff Assistant	Reclassified 5/1/87
Ruth Hindman	Financial Aid Specialist I	
Glenna Kindel	Financial Aid Specialist III	Reclassified 7/9/86

Personnel, Continued

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Helen Kirkpatrick	Career Advisor	Employed 10/6/86
Janet Lopez	Financial Aid Specialist I	
Freda Mangel	Clerical Specialist V	Terminated 10/17/86
Veronica Mendez-Cruz	Career Advisor	
Norma Morgan	Assistant Director	Reclassified 7/9/86
Lisette Nagera	Clerical Specialist V	
Bart Norman	Career Advisor	
Eugene Padilla	Financial Aid Specialist III	Reclassified 7/9/86
Margaret Padilla	Clerical Specialist V	
Rita Padilla	Assistant Director	Promoted 7/9/86
Jodi Parker	Clerical Specialist V	Employed 12/1/86 Terminated 6/87
Caroline Quintana	Clerical Specialist V	Employed 9/22/86 Terminated 2/20/87
Garmela Romero	Clerical Specialist V	
Peter Romero	Financial Aid Specialist I	Employed 12/29/86
Karen Sampson	Clerical Specialist V	
Linda Sanchez	Clerical Specialist V	
Marilyn Sanders	Clerical Specialist V	
George Sandoval	Associate Director	
Cecil Slaughter	Financial Aid Specialist II	Terminated 8/29/86
Ida Stanford-Romero	Financial Aid Specialist III	Reclassified 7/9/86
Theresa Trahan	Financial Aid Specialist I	
John Whiteside	Associate Director	

STUDENT FINANCIAL AID, CAREER PLANNING
AND PLACEMENT OFFICE

INTRODUCTION

The Office of Student Financial Aid, Career Planning and Placement is dedicated to providing access and opportunity through financial assistance to the citizens of New Mexico in general, and the students of the University of New Mexico specifically. Through grants, loans, scholarships, and student employment financial assistance is made possible for eligible students; thus reducing the cost of attendance at our University. The academic scholarship program at the University recognizes and rewards students for academic excellence and excellence in other specialized areas where students' talents are highly developed. The role of Career Planning and Placement is to maximize the individual student's career opportunities in determining their goals through the identification, planning for, and achieving of these final career goals.

SERVICES PROVIDED

The population which the Office of Student Financial Aid, Career Planning and Placement services encompasses a majority of the student body at the University of New Mexico. The process begins with the utilization of financial aid programs to attract students to our school, academic scholarships being particularly evident; the general financial aid program provides access to

families who might otherwise not have the choice of an education. Career Planning, at UNM, enters the process when the student is a freshmen or sophomore, advising in preparation, and concludes when the student has made a career choice, selected an employer, or has agreed on a position.

Student Financial Aid

Financial aid programs based primarily on financial need are used by students who are interested in the opportunities of higher education but who, without these resources, cannot afford to pursue this interest. In 1986-87 over 19,900 undergraduate and graduate students participated in some financial aid incentive. Almost 31 million dollars in student financial assistance were distributed. A detailed analysis of the distribution of financial aid can be found in table Appendix A.

Our Presidential Scholarship Program focuses on high school seniors around the State of New Mexico. In 1986-87 this scholarship was worth \$1,500 to each recipient. The University also offers the Excel Scholarship given to the top 10% of the high school graduates, both in New Mexico and outside of the state. For the 1986-87 school year this merit program was in excess of \$1050 per year. Both the Presidential and the Excel are renewable for eight semesters as long as the student maintains the academic progress standard established by the Scholarship, Prizes, and Loan Committee, a standing committee of the University faculty. In addition to the Presidential and Excel Scholarships, UNM offers numerous departmental and privately endowed scholarships, activity awards and

other assistance programs based on merit. Our National Merit Scholarship is now in its sixth year and in 1986-87 we have 21 National Merit Scholars on campus. Certainly the University is promoting excellence in attempting to attract quality students from all over the state and nation.

Student Exchange Programs

The State of New Mexico has long been interested in opportunities in higher education for its citizens. Earlier in the 1950's, realizing that financial opportunities for new programs might well be limited, New Mexico helped form the Western Interstate Commission for Higher Education (WICHE). One basic purpose of WICHE is to provide additional educational opportunities for residents of the member states. Initially, the access was limited to the field of medicine, but it has since grown to sixteen diverse disciplines. During the same time, New Mexico expanded its offerings for New Mexico residents to include Contract Student Exchange, a program whereby the state signs a contract directly with an institution outside of the borders of New Mexico.

Career Planning, Placement and Co-Op

In reviewing the function of Career Planning and Placement and Co-op, it is essential to consider each area separately. The Career Planning area is in high demand, as is evidenced by the approximately 3,200 counseling sessions scheduled annually (3261 in 1986-87). These appointments are requested by students, alumni and area residents who are experiencing difficulty in

clarifying career goals, choosing academic majors, making major changes in life styles, or finding satisfying employment. Additionally, some clients seek related personal counseling, which our staff of Master's and Ph.D. level counselors can provide on a short-term basis.

The Placement function is a facilitating one in philosophy and practice. Through this function we try to establish opportunities for our graduating students to interview the companies in which they are interested. At the same time, we try to facilitate the process of employers seeking qualified candidates for professional level positions they are anxious to fill. In scheduling, employers are accommodated at their request or at UNM's invitation to interview on campus. Job announcements which are called in are placed in the newsletter and/or forwarded directly to the registrants who meet the basic qualification of the job. Obviously, recruitment numbers fluctuate with economic conditions of the nation. A high of 477 individual companies recruiting through UNM Career Planning and Placement in 1980-81, fell to a low of 293 during the recession period of 1982-83. In 1986-87 we served 379 employers, 250 from Business, Industry, and Government, and 129 from the Education sector. This represents a 6% increase over the 1985-86 academic year when 357 employers recruited on campus. With additional resources allocated to job development and outreach to the business community, it is estimated the number of recruiters could be increased to 500-600.

The Cooperative Education Program for non-engineering students continued at a relatively steady pace in 1986-87 as compared to 1985-86. Traditionally, Co-op programs in technical fields such as engineering and the hard sciences have been enthusiastically recognized and supported by universities and industry.

This has not been true with liberal arts and business programs. In 1986-87, several departments came together to develop support for the co-op program. The Anderson School of Management has the majority of students in the co-op program, followed by the science departments of Arts and Sciences.

The Career Resources Library houses a great deal of career information for those seeking assistance. Periodicals and books are expensive and become outdated rapidly. Many simply disappear. There is need for an adequate budget to purchase additional material, replace outdated material, and provide a staff person to coordinate and oversee the library.

STUDENT POPULATION NEEDS

The needs of our student financial aid recipients are determined in a fairly direct manner. Although it is the basic assumption that the individual family and the student must bear the cost of educating the student in as much as possible, it is also the responsibility of the institution to provide access to information for an educational opportunity. Therefore, the needs of the student are measured in two basic ways. The first involves needbase financial aid under which students' qualifications are measured by uniform methodology a need assesment sanctioned by The Department of Education. Generally, to qualify for student financial assistance, the individual student and/or family must demonstrate financial need. This financial need is determined by two national services that utilize information provided by the family. One is College Scholarship Service the other is The American College Testing Program. They determine the contribution available from family resources to the

student's financial need while attending the University of New Mexico. The second is merit scholarship programs, discussed earlier.

Although students are certainly our business in the Office of Student Financial Aid and Career Planning and Placement, paper seems to be our product. The requirements of the Federal Government continually become more complex. In order to meet the verification audit requirements of the Federal Government, State Government, and other agencies it is imperative that our office maintain precise documentation for all dollars spent. As a consequence, it has become a particularly frustrating paper chase in the administration of student financial aid. Repeated changes in documentation requirements at the Federal level have become the norm rather than the exception. With an applicant population of over 18,000 students the paper requirements become monumental.

GOALS

The goals of the Office of Financial Aid, Career Planning and Placement are fairly broad.

1. Encourage student enrollment at the University of New Mexico.
2. Access students to financial assistance.
3. Provide assistance in a timely manner.
4. Provide assistance in a positive manner.
5. Provide assistance in accordance to federal, state, and institutional regulations.

In promoting excellence at the University of New Mexico it is important that we expand the scholarship opportunities for all our students. It is particularly

important to provide for incentives for high school seniors to attend the University.

One very successful method in attracting students to UNM is the use of the Presidential Scholarship Program. Improvement of the Presidential Program may further enhance enrollments from New Mexico high school graduates. It is also important that the close relationship between the student and the scholarship donor be continued and emphasized. This serves two purposes. Primarily, it brings together the student and donor to form a personal commitment on both their parts; secondly, it provides an opportunity for future identification of scholarship recipients with the University of New Mexico. By example UNM might expand the general scholarship offerings and increase the participation level in the National Merit Scholarship Program. Each of these goals will improve the quality of our student body as they progress through the academic environment at our University.

It is important for the Presidential Scholarship Program to have an academic identity. This academic "base" must be regularly emphasized to the student in the program because it is the only link between the "special" student who has been attracted to the University and the "special" program in which they participate.

In 1985-86, specific actions were taken to expand this academic identity. Dr. Bill Baurecht, Assistant Director of the Honors Center was named as the Presidential Scholar's Academic Advisor. In his new role, he provides a direct link between the scholar and the Presidential Program. Housed in the office of Student Financial Aid, he provides needed academic assistance and advisement.

By developing our early intervention process, he can identify problems and provide needed assistance in a more timely manner than was possible in previous years. Dr. Baurecht also coordinates new Presidential orientation for parents and students alike.

Finally, in the scholarship area it is important that we are aware of the composition of our student body. Statistics show that many of our students are transfer students either from other four-year institutions or from two year branch colleges within the State of New Mexico. It is particularly important that these students be recognized and attracted to the University. If we are to attract these outstanding students to our school, we must provide them with financial incentives to continue their academic program here at UNM. Our scholarship for transfer students is the first step.

In 1986-87, the university began a new scholarship program to attract outstanding students from other states. This program is called the Amigo Scholarship. It is available to students who are either recent high school graduates or transfers from other schools outside of New Mexico. To qualify, the high school graduates must either have earned a cumulative grade point average of 3.5 with a standard test score of 23(ACT) or 940 (SAT) or have a 3.0 grade point average with scores of 26(ACT) or 1060 (SAT). The transfer student must meet both of these requirements in addition to a college grade point average of 3.25. We anticipate approximately 50 new students under the Amigo Scholarship for the Fall of 1986.

Career Planning and Placement helps prepare students to seek employment. The Co-op program provides one practical approach to achieving this end; keeping

students in college, building valued employees for the future, and providing possible employment at a better than entry level for the individual. As a consequence, students gain both educational and practical career skills, while providing a service for the company for which they work.

Other efforts at outreach for students are essential. The staff at Career Planning and Placement believe that mostly those students in vocationally oriented academic programs take a conscious early interest in the vocational application of their academic program. These students set short and long range goals and work steadily toward their satisfaction, working closely with the Career Planning, Cooperative Education or Placement functions of Career Planning and Placement. Students in other disciplines, however, put this interaction on hold until they become acutely aware of their impending graduation. We experience a surge six to eight weeks prior to the end of each semester from students who have not made career plans beyond graduation. Preferably, students will register for the placement services throughout the academic year. The student should maintain contact with Career Planning and Placement as newsletters and individual mailings are sent to them as necessary. Problems become less evident when filling recruiting schedules if contact has been maintained.

Over the coming years the Office of Student Financial Aid, Career Planning and Placement will see a significant growth in the need for the service provided. As the cost of education continues to rise, the need for student financial assistance will grow accordingly. The need for scholarship programs to attract high quality students to the university remains essential. If the University of New Mexico is to compete not only with institutions in New Mexico, but also

with others in the region and across the country, we must provide incentives for students to consider this university.

The increased expense of attending college will further expand the need for financial assistance. This assistance will continue to take the form of student work, student grant and student loan. Under the reauthorization of the Higher Education Act by the 99th Congress, there will be a total reevaluation of Title IV funding programs. We are taking an active role in the development of the new Act to insure access to funds for our students.

In Career Planning and Placement there is a need to increase opportunities for students in colleges other than engineering, education and business. There is much to be done to inform prospective employers of the diverse academic programs preparing students for careers. In doing so we will assist in recruiting new employees to fill personnel needs, while encouraging support for the university through donations (i.e., equipment and funds).

INTERFACES

The Student Financial Aid office interacts with many of the instructional and administrative units within the institution. In compliance with the institution's Participation Agreement, through the U.S. Department of Education, the office has the responsibility of coordinating waivers of tuition, scholarships, including athletic grants-in-aid, fellowships or assistantships, guaranteed student loans and any expected earnings from employment. Student Financial Aid coordinates with college and departmental

offices in the notification and payment of awards for recipients who have been selected by these divisions.

In cooperation with the Office of School Relations, we are responsible for the selection of new freshmen and transfer student scholarship recipients and notification to the student of the award. The Presidential and Excel Scholarship programs are of primary concern in this relationship.

Our office also works closely with the Development Office in regard to the matching of Presidential Scholarship donors and their recipients. Many of the office staff are involved in the annual Presidential Scholarship's Fund Drive.

Interaction with the Office of Dean of Students occurs when providing counseling to students who are withdrawing from the university. At other times our office participates in the orientation for new students. In conjunction with the Office of Dean of Students we conduct sessions concerning student financial aid.

This office disseminates information to the Office of Student Accounting, the Bookstore, and Student Housing. Information is provided on a student's ability to pay for the various services which are offered by these departments. In particular, we work closely with Cashiers during the disbursement of student financial aid funds, and when providing reports for Federal and State agencies.

We also maintain an active off-campus employment program. This involves many contacts with employers of students for part-time positions throughout the city. Between 3,000 and 4,000 students are employed annually through these

contacts. Federal College Workstudy off campus contracts are negotiated with City, State and Federal offices which provide student employment positions across the city and county.

Career Planning and Placement/Co-op interfaces with many client groups. These are both within and outside the University. Within the University, Career Planning and Placement interfaces primarily with academic departments and students, gathering information about programs, students, and their needs. Contact with clients outside the university involves employers from both the public and private sectors. These groups are primarily concerned with recruiting and/or gathering information about our programs and the students at the University of New Mexico. Career Planning and Placement also serves as a contact for a company wishing to make a donation to a UNM department.

The Office of Career Planning and Placement also provides counseling and placement services, workshops and support services, for on campus departments. The colleges for which specific career counseling and placement are provided are Engineering, Anderson School of Management, Education, and Arts & Sciences. Other colleges are served in varying degrees. Many, such as Law, provide their own placement services. In addition to student services, the office consults frequently with Deans, Chairs and student advisors to share information and suggestions on potential employers; to provide them with relevant job market information, and to determine how best to serve the students. As concerns Cooperative Education, Career Planning and Placement will work closely with those responsible for the Campus-Wide Co-op Program. In many cases, the employer clients are the same for both Co-op and permanent placement opportunities.

INDIVIDUAL PROGRAMS-STUDENT FINANCIAL AID

This section consists of a descriptive analysis of the individual programs that are available through the Office of Student Financial Aid, Career Planning and Placement. Financial aid, includes scholarships, grants, loans and student employment. In addition, the student financial aid area maintains a specialized program that deals exclusively with students who are pursuing professional education outside of New Mexico. The Western Interstate Commission for Higher Educations sends New Mexico residents outside of the state to obtain their education. Career Planning and Placement is divided into three areas - that of career planning, placement and cooperative education. Each of these areas have specific and unique programs that are explained below.

SCHOLARSHIPS:

As mentioned in earlier sections of this report, merit scholarships at the University of New Mexico play a significant role in student financial assistance. Philosophically, the university believes that it needs to recognize the students of New Mexico, in addition to those students outside the state, for outstanding scholastic achievements in high school. In addition, it is our belief that students should be recognized for abilities that set them apart from their peers. These abilities include music, art, and other individual talents that make these students unique.

Our Presidential Scholarship Program is the most prestigious scholarship offered by the University of New Mexico. Created by President "Bud" Davis in 1975, our first Presidential Scholarship class enrolled in the Fall of 1976.

The class that enrolled in the Fall of 1986 was our eleventh class recognizing eleven years of a scholarship program which UNM believes to be the most outstanding scholastic program available, not only in the State of New Mexico, but in the surrounding region.

The Excel Scholarship is offered to the top 10% of the graduating seniors in New Mexico. Just as 1986-87 was a significant year for the Presidential Scholarship Program, so it was for our Excel Scholarship. The scholarship was increased from \$700 in 1984-85 to \$1000 in 1985-86, to full resident tuition in 1986-87. The scholarship, by the very nature of its simplicity in offering, which requires no application, and the fact that it covers full tuition, provided recognition of students throughout the state for their academic achievements while in high school. The total enrollment in 1985-86 for Excel Scholars was 635 students, who received over \$565,000.

In addition to the Presidential and Excel scholarships, the university decided that it was important to recognize students who scored well on a standard exam, such as the ACT, even though they might not be in the top 10%. Therefore, with that in mind, the university created the Sterling Scholarship. 1985-86 was the first year of the Sterling. We awarded 126 scholarships to incoming freshmen with ACT composite scores of 26 or above. These students received approximately \$103,500.

Along with the scholarships mentioned above, the university acknowledges outstanding academic performance with many other awards. These include the National Merit, the Chester Travelstead, and others. Recognition is also given to students who display remarkable talents in music, art, languages, forensics, and other areas of expertise through those departments.

Many of the colleges and departments also their students for excellent academic performance, for their high school achievement as well as their accomplishments at the university. Frequently, these scholarships are matched by outside agencies so that the student receives recognition from both within and outside the university. Overall, the University of New Mexico in 1985-86 awarded scholarships to 3,661 students, totaling \$3,244,839. For an individual listing of the scholarships, please refer to the appendix.

GRANTS:

Grants administered by the Office of Student Financial Aid, Career Planning and Placement are state and federal sources of assistance which contain no repayment obligations. All grant recipients are required to demonstrate satisfactory progress toward a degree. Most grants are awarded on a need basis.

Athletic Grant-in-Aid

Athletic grants-in-aid are awarded to student athletes for participation in intercollegiate athletic programs while attending the University as full-time students. These grants-in-aid are authorized by the University Committee on Scholarships, Prizes, Loans and School Relations. Athletic grants-in-aid were awarded to 342 student athletes totaling \$1,236,233 in 1985-86.

Pell Grants

The Pell Grant, formerly called the Basic Educational Opportunity Grant (BEOG) is awarded to an undergraduate student who has demonstrated financial need.

The Pell Grant is an entitlement program and may be used at any eligible post-secondary institution in the United States. Pell Grants represent the largest single program administered by the University for students.

Eligibility for the Pell Grant was extended to the number of semesters required by a student to obtain a first baccalaureate degree. The student must, however, demonstrate progress toward a degree for each semester the student receives a grant. Pell grants are available to students enrolled in at least a one-half time basis. In the 1985-86 academic year 4,059 students were awarded Pell Grants totaling \$5,118,588. The elimination of the eight semester limitation on receipt of Pell Grants influenced the Office of Student Financial Aid, Career Planning and Placement to strengthen satisfactory progress requirements for eligibility at UNM.

Native American/Bureau of Indian Affairs (BIA)

Native American/Bureau of Indian Affairs awards are made by tribes with contracts with the BIA or by one of the twelve regional BIA offices. The Student Financial Aid Office assists these agencies by providing to the agency information on the student's financial need. In 1985-86, 541 students received awards totaling \$1,104,787.

New Mexico Student Incentive Grant (NMSIG)

The NMSIG is a grant that combines federal and state funds in order to permit bonafide, extremely needy, New Mexico residents to pursue a higher education. NMSIG awards may range from \$200 to \$750, depending upon the type of institution a student attends. To be eligible for this program, a student must be enrolled in a public or private institution as a full-time student for a

minimum of 12 credit hours per semester. Although Federal Law states that fifty percent of the money must come from the Federal Government and 50 percent from the state, New Mexico has increased its share in 1985-86. Action by the state legislature in the spring of 1984 significantly changed New Mexico's share. Therefore, in 1985-86, 603 students received awards totaling \$373,418. These figures represent an increase of over one hundred percent over 1984-85 in which 294 students received \$157,394.

Office of Indian Education (OIE)

Office of Indian Education grants are awarded to students by the Office of Indian Education, (HEW). UNM processed 7 grants for \$24,322 in 1985-86. The purpose of the awards is to enable Indian students to pursue courses of study leading to graduate degrees in medicine, law, education, and related fields, and graduate or undergraduate degrees in engineering, business administration, natural resources and related fields.

Supplemental Educational Opportunity Grants (SEOG)

The Supplemental Educational Opportunity Grant Program is for students with financial need who, otherwise, would be unable to continue their education.

Students are eligible to apply if they are enrolled at least half-time as undergraduate students. Graduate students are not eligible. An SEOG cannot be less than \$200 nor more than \$2,000 a year. The duration of a student's eligibility for SEOG is the period required for the completion of the first undergraduate baccalaureate degree, as long as the student meets the institution's satisfactory academic progress requirement.

Present regulations provide greater administrative flexibility by eliminating the restriction on the use of Initial year funds and Continuing year funds. The institution may now award initial or continuing year funds to students dependent on the needs of the institution rather than restricting initial year awards to a student who had not previously received an SEOG. In 1985-86, 1087 students received awards totaling \$578,614.

STUDENT EMPLOYMENT:

Students are employed by the University whenever possible because many students must supplement their income in order to attend. Student employment is one way the University is able to facilitate learning by making it easier to work and study in the same environment.

There are three main areas of student employment at the University: the College Work-Study and New Mexico Work-Study Programs, which are funded largely by federal and state dollars, the part-time campus positions that are funded by the individual departments, and part-time off-campus employment through private industry.

Work-Study Employment

The student employment staff, under the direction of Mrs. Dorothy Chartier-Boyer, developed a comprehensive job classification handbook for students and employers. Through the data developed in this process, they were able to standardize student employment positions throughout the campus and off campus. This staff also developed contacts in off-campus agencies and have

expanded the scope of work-study off-campus positions, with emphasis on more career-oriented positions.

The Student Financial Aid, Career Planning and Placement Office instituted a regulation requiring all students employed during the summer period to be registered for a minimum of three semester hours.

College Work-Study employed 1,739 students in 1985-86 who earned \$2,551,262. The New Mexico Work-Study Program became effective July, 1982, upon passage by the New Mexico Legislature. This program requires U.S. citizenship, residency in the state, and full-time status with a 2.0 GPA. It allows for participation by a greater number of students; the opportunity to expand on variety of positions and shows continued belief in the young people of New Mexico and commitment to increased educational opportunities. The New Mexico Work-Study allocation for 1985-86 was \$641,352 and 382 students were employed during the year.

Part-Time Employment

The major purpose of this program is, like the College Work-Study Program, to provide part-time employment. However, these positions are offered irrespective of financial need.

This office works as a referral service. All jobs are coded and placed on a bulletin board, withholding names and addresses of prospective employers. Students are allowed to select three jobs at one time, and are urged to be selective in their choice, choosing only those jobs which they feel they are best qualified to fill. The student is responsible for making interview appointments with prospective employers.

Employers' names and addresses are given to registered students, their spouses and graduates of UNM. All students using this service are given referral cards with instructions to present them to the employer as an assurance that they were sent from this office. Jobs remain posted with the office for two weeks unless notified by the employer that they have been satisfactorily filled. They are welcome to extend the fourteen day purge date, if necessary, by calling the office and requesting it.

The part-time employment office participated in Camp Day, a program on campus to assist students in finding positions during the summer at various New Mexico summer camps. They also work with BCMC and like organizations. They are expanding their area to include UNM's campus.

LOANS:

Guaranteed Student Loan Program (GSL)

The Guaranteed Student Loan Program differs from all other loans administered by the SFACPP. Funds for these loans are provided by commercial lending institutions and non-profit private state agencies. Other loan program funds come from direct appropriation from the Federal government. The government, rather than appropriating loan funds, guarantees repayment to the lender in case a student fails to repay the loan on a timely basis. The government also pays an interest subsidy to the lender for the student while the student is in school. Six months after the student graduates or leaves school, the loan must be repaid on a monthly basis. The GSL contains a loan initiation fee of 5 percent of the amount borrowed. This fee is paid by the student. The interest

charged against this loan when in repayment has been increased from 7 percent to 8 percent for new loans. The grace period allowed the student to prepare for repayment has been reduced from nine to six months. This loan program enables students, whose family have an adjusted gross income of less than \$30,000 or can otherwise qualify on the basis of need to borrow from eligible lenders at a low interest rate (8%) to meet educational expenses. The student must be attending on at least a half-time basis.

If the student's family has an adjusted gross income (mother's, father's, and student's income for dependent students and student and spouse's income for independent students) of \$30,000 or less, the student will automatically qualify for federal interest benefits. The loan may not exceed the cost of education less other estimated student financial assistance.

If the adjusted gross income is more than \$30,000, the student will qualify for federal interest benefits only to the extent of the student's "need" as determined by the school. "Unmet need" is defined as the estimated cost of attendance less the expected family contribution plus any estimated financial assistance reasonably available to the student.

Under the guidelines of the Guaranteed Student Loan, the New Mexico Student Loan Program makes loans to the largest number of students and provides the largest total funds of all lenders to UNM students. It is available to bonafide New Mexico residents only. UNM also uses other lenders under G.S.L., mainly for students who are residents of other states. In 1985-86 all lenders under G.S.L. and the original FISL program loaned \$11,990,732 to 4,801 students.

National Direct Student Loans (NDSL)

The NDSL is provided to students demonstrating financial need. NDSL has long been the primary program for assisting students who require funds above the grant and employment portion of award packages. Like SEOG, the NDSL program withstood a major push by some members of the national administration to eliminate funding. The National Direct Student Loan Program is for undergraduate and graduate students who are enrolled at least half-time in a participating post-secondary institution and who need a loan to meet their educational expenses.

Students may borrow up to a total of: (a) \$3,000 if they have completed less than two years of a program leading to a Bachelor's degree; (b) \$6,000 if they are undergraduates who have already completed two years of study toward a Bachelor's degree and have achieved third year status (this total includes any amount borrowed under NDSL for the first two years of study); and (c) \$12,000 for graduate or professional study (this total includes any amount they borrowed under NDSL for undergraduate study).

Activity in NDSL for 1985-86 was 2,101 loans totaling 1,848,539.

Auxiliary Loans to Assist Students

Under Auxiliary Loan to Assist Students a parent can borrow up to \$3,000 per undergraduate dependent child, not to exceed the cost of attendance minus any financial aid, with a cumulative maximum of \$15,000 per child. The interest rate on these loans is 12% and repayment is required to begin within 60 days after disbursement.

Graduate or professional students shall be entitled to borrow up to \$3,000 per year to a total of \$15,000. This is in addition to the amounts that graduate students can borrow under the GSLP (\$5,000 per year to a total of \$25,000). However, the total amount borrowed cannot exceed the student's cost less other financial aid.

Independent undergraduate students may borrow, but not exceed \$2,500 per year including amounts borrowed under the student loan provisions. In other words, the combined student and Auxiliary loans to an independent undergraduate student in any academic year may not exceed \$2,500. The total aggregate debt outstanding under both programs may not exceed \$12,500. In no case can an Auxiliary loan exceed a student's cost of education less estimated financial assistance.

Health Profession Student Loans (Medical)

The Health Profession Student Loan Program provides loans for students who demonstrate a financial need and are enrolled in the School of Medicine. Forty-eight students were awarded \$89,066 in 1985-86.

Nursing Student Loan

The Nursing Student Loan Program provides loans to students enrolled in the School of Nursing who demonstrate a financial need. In 1985-86, 8 awards were made totaling \$13,500.

Health Profession Student Loans (Pharmacy)

Students are eligible for a Pharmacy Student Loan if they are enrolled in the College of Pharmacy and demonstrate a financial need. Three students were awarded \$4,900 in 1985-86.

Robert Wood Johnson Loan

The Robert Wood Johnson Loan is awarded to students enrolled in the College of Medicine who demonstrate a financial need. This program was created with a gift from Johnson and Johnson. Originally, the program was set up to award scholarships. Later it was changed to a revolving loan fund. \$7,000 was awarded to students in 1985-86.

NEW MEXICO STUDENT EXCHANGE PROGRAM:

The Student Exchange Program was created as one means of meeting the needs of western states to secure adequate higher education for their young people. In 1949, the Western Governors Conference considered the problems of providing higher education in a region which, as a whole, is sparsely populated and has relatively limited resources for financing public services.

In the following year, the Western Regional Education Compact was drafted and by mid-1953 the Compact had been ratified by eight states and approved by the Congress. Subsequently five other states joined in the cooperative education plan. The thirteen states now parties to the compact include all the states lying wholly west of the 102nd meridian - Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming. The Compact is administered by the Western Interstate Commission for Higher Education (WICHE), to which the Governor of each state appoints three representatives.

New Mexico has sponsored students across state lines to receive professional education since 1951 when a bilateral contract was signed with The University of Colorado School of Medicine. In 1953, that arrangement was incorporated into the WICHE program and access to training was expanded to include the fields of dentistry and veterinary medicine. To meet a still critical need in dental education, the New Mexico legislature authorized bilateral contracts with three institutions outside the WICHE region beginning in 1961.

Since their inception, both the WICHE program and the Contract program have expanded to include other fields that have demonstrated a demand for manpower and a lack of facilities for training "at home". New Mexico residents are currently given an opportunity for professional education in the following fields at institutions in WICHE states: Veterinary Medicine, Occupational Therapy, Optometry, Podiatry, Forestry, Graduate Library Studies, Graduate Nursing and Public Health.

Under the Contract program, New Mexico currently has agreements with four Schools of Dentistry, and one School of Veterinary Medicine. Osteopathic Medicine was incorporated into the WICHE program in 1982. In 1986-87, 177 students were sponsored for a total cost of \$1,950,985.

GENERAL INFORMATION:

In December of 1985, the University of New Mexico hosted the Southwestern Association of Student Financial Aid Administrators. The five-state region includes New Mexico, Texas, Oklahoma, Arkansas and Louisiana. Over 250

participants attended the three-day conference, which addressed many issues critical to students and financial aid administrators. Many staff members outside of student financial aid from UNM participated in the conference, which was keynoted by Vice President Mari-Luci Jaramillo. At the conference, Fred Chreist was selected as President Elect of the Association.

INDIVIDUAL PROGRAMS-CAREER PLANNING, PLACEMENT AND CO-OP

The Career Planning & Placement Office has three functions. In order, these are Career Planning, Placement and Cooperative Education.

Career Planning is a vocational/career counseling service for students, alumni and potential students. Individual and group counseling services are offered from intake, assessment, and referral when needed. As previously mentioned, current scheduled client appointments are running at 3,200 per year, approximately 800 per counselor. This represents a decrease of 20% (-200) client contact per counselor. This occurred because the position of Co-op Coordinator which in 1985-86 had been a full-time Co-op client contact position was changed to half-time Co-op and half-time Career Advisor. This cut the counselor load from approximately 1,000 clients per counselor to 800 clients per counselor. This is a sizeable reduction, however, still a larger client to counselor ratio than ideal.

Another accomplishment during the 1986-87 academic year affected the Career Advisors. In 1986-87 they were assigned the title Career Counselor and upgraded from UNM Grade 12 to UNM Grade 14. This acknowledges the greater

responsibilities and duties the incumbents have been performing than described by the job description for Career Advisor at UNM Grade 12.

Client contacts range from the giving of very simple factual information, advice, or may result in extended personal vocational counseling. Clients may also be referred to more appropriate University officials or department, or off-campus agencies. A client may seek assistance with a resume or cover letter, may want factual information concerning the job market and salaries, or may be seeking validation, affirmation or clarification of both short and long-term, academic and career goals.

In order to use the counselors to the fullest extent, mini-workshops are offered several times each semester. The workshops include the following:

Career Planning: The Why's and How's!

Job Search: Selling the Product YOU!

The Resume: Your Life History on One Page!

Interviewing: Putting It All Together!

Although an actual count of attendance was not kept for each workshop it is known that the most poorly attended is the Career Planning Workshop. The purpose and goal of this workshop need to be reassessed as the lack of interest may warrant its discontinuation. All of the other workshops generally enjoy attendances ranging from four to five per session to twenty to thirty for the Resume and Interviewing workshops.

Additional group events are also offered to the students. These include a Career Fair for Non-Technical Majors held in March and a Special Recruiting Event for Educators held in April. Although not held in 1985-86 or 1986-87, a Government Career Day was held in 1984-85 and is scheduled for 1987-88.

The Career Fair for Non-Technical Majors was again co-sponsored by the Anderson School of Management, The College of Arts & Sciences, University College and Career Planning and Placement. The 1987 Career Fair for Non-Technical Majors was held on Wednesday, March 25. Representatives from thirty three companies, seven professional associations, and five graduate schools attended for a total of 45 participants. Student participation was estimated at 900 which is considered a good "turn-out." Good advertising in the "Daily Lobo" and the use of a handout "flyer" may have contributed significantly to the good "turn-out".

The 1987 "Special Recruiting Event for Educators", which was held on April 30 and May 1, was as large as the 1986 event. Sixty-seven (67) school districts participated in 1987. This is one less district than in 1986. More interviews, however, were conducted; 915 in 1987 as compared to 899 in 1986. This represents approximately a 2% increase. As there were fewer candidates participating in 1987 as compared to 1986 (175 versus 188), this indicated greater activity (more interviews) on the part of the candidates.

The placement activity in 1986-87 was very similar to the activity in 1985-86. In 1986-87 Career Planning and Placement served 1,363 registrants. This was 51 fewer registrants than in 1985-86. More undergraduates registrants were served in '86-87' than in '85-86', 706 versus 683, respectively. Also, fewer reciprocal registrants were served in 1986-87 than in 1985-86, 65 versus 74

respectively. This may have been a result of the increase in the reciprocal fee from \$15.00 per year to \$30.00 per year.

In 1986-87, 379 individual organizations visited the UNM campus 605 times for recruiting purposes. This compares to 598 visits made by 357 organizations in 1985-86, a 1.2% increase in visits by 6.2% more employers.

This small increase in the number of employers and their visits to campus in 1986-87 would seem to indicate that the job market was just about as "tight" as in 1985-86. Even though there were a greater number of employers, there were 2.7% fewer interviews in 1986-87 than in 1985-86, 4,729 as compared to 4,859, respectively.

As in previous years, the response by registrants to the survey of their employment status at the end of the year was poor. In 1985-86, 38.2% of the registrants reported their status. In 1986-87, that percentage dropped to 34.2%. More reports of "Employed" were made for the 1986-87 year as compared to 1985-86, 270 versus 265, respectively. The number of registrants not responding to the survey in 1986-87 was 898 (65.8%) as compared to 875 (61.8%) for 1985-86. Obviously, something must be done to increase the participation in the survey.

The number of credentials distributed by request of the registrant increased by 18.3% (768) over the 1985-86 school year, 5,071 (1986-87) as compared to 4,285 (1985-86). This is interesting in view of the fact that there were slightly fewer registrants and interviews in 1986-87 as compared to 1985-86. Apparently, a smaller number of registrants were more active in sending out their credentials to potential employers than in the previous year.

In 1986-87, Student Financial Aid/Career Planning and Placement found it necessary to establish a fee schedule for the various services. This became necessary because of a University funding cutback (University wide) of 2%. The fee schedule is as follows:

<u>SERVICE</u>	<u>FEE</u>
PLACEMENT SERVICE REGISTRANT FEE CURRENT GRAD, GRADUATE, STUDENT	\$ 5.00
ALUMNI REGISTRANTS	\$15.00 (ANNUAL FEE)
RECIPROCAL REGISTRANTS	\$30.00 (ANNUAL FEE)
CREDENTIAL DISTRIBUTION	\$ 1.50 (PER SET OVER 5)
COUNSELING	STUDENTS (6 HRS. UNDERGRAD) (3 HRS. GRADUATE)
	NO FEE
	NON-STUDENTS \$10.00 (ANNUAL FEE)
TESTING -- SCII	\$ 3.00 STUDENT
	\$10.00 NON-STUDENT
MBTI	\$10.00 NON-STUDENT STUDENTS NO FEE
WALK-IN COUNSELING	NO FEE

In years previous to 1986-87, Career Planning and Placement collected fees only from Alumni/Reciprocal registrants, \$15.00 for two years, \$15.00 annual, respectively; and a credentials distribution fee, \$1.00 per set above two or ten (inactive/active) gratis. The amounts collected were \$4,236.85 in 1984-85, and \$5,171.30 in 1985-86. In 1986-87, \$18,697.80 were collected in fees for all services including a \$5.00 registration fee established for all new regular registrants, and counseling fees for non-UNM students.

Overall the 1986-87 academic year was a better year than 1985-86. Twenty two more companies recruited at the UNM campus in 1986-87 than in 1985-86. Also, more students reported being employed than in the previous year (+ 1.9%). We hope that this will become a trend and continue during the 1987-88 academic year.

In addition, counseling contacts continued to rise. In 1985-86, 3,100 counselor-client contacts were made. This increased to 3,261 in 1986-87, a 5.2% increase. Obviously, our students feel a need to consult with a professional concerning their present and future academic/career plans.

An additional responsibility of the Career Planning and Placement office is Cooperative Education (non-engineering). The Cooperative Education Program for Engineering continues in the College of Education.

Cooperative Education is a cooperative effort, between the University and employers to create experiential opportunities for students who wish such an experience. The primary purpose is to allow students to test in a real work situation both their academic and occupational choices. Additional benefits

for students include an income while on work phase; and, work experience to offer the employer upon graduation. Currently, we deal most heavily with students from the Anderson School of Management. We hope to offer the program to students from all other UNM colleges.

In 1986-87, some major changes began happening with the Co-op programs, both Career Planning and Placement's campus wide program [Anderson School of Management (ASM) and Arts and Sciences (A&S)] and Engineering's program. Kellen Livermore terminated on May 30, 1986. Because of the increasing counseling load in Career Planning and Placement, it was decided that the position Ms. Livermore occupied, Co-op Coordinator, would be reverted to Career Advisor with half-time responsibility for Co-op Education. Dr. Bart Norman, Career Advisor, agreed to handle the position for a year. He would have the services of a Clerical Specialist and a graduate assistant.

In Fall, 1986, Richard Williams (Acting Dean, College of Engineering), and Larry Larrichio (Coordinator Cooperative Education-College of Engineering) proposed to release Mr. Larrichio from 1/4 of his responsibility to the College of Engineering to assist Career Planning and Placement with the Campus-wide Co-op program for A&S and ASM. This release time would be paid for by A&S and ASM. contributing \$3,100 each to the College of Engineering. Mr. Larrichio would then work with the resources already committed at Career Planning and Placement.

All files were to be maintained at Career Planning and Placement while Mr. Larrichio would act as the Co-op program employer/job developer. Dr. Norman was to assume a role of Co-op advisor to Arts and Sciences and Anderson School of Management students.

Arts and Sciences was able to contribute their \$3,100.00 to the College of Engineering. The Anderson School of Management was not able to do so. This resulted in Mr. Larrichio representing Engineering and A&S, but not ASM. Dr. Norman, therefore, acted as Co-op advisor to both ASM and A&S students, but fully developing, coordinating, etc., for ASM.

In December/January, A&S requested that all Co-op activity for A&S students be handled by Mr. Larrichio and the College of Engineering as they had paid their \$3,100 for the services. At that time, all files and Co-op activity for A&S students were forwarded to Engineering. CP&P is still responsible for the ASM Co-op program.

In 1986, the Halliburton Foundation again donated a \$1,000.00 unrestricted grant to career Planning and Placement. ARCO, the Atlantic Richfield Company, likewise, gave a 500.00 gift to the office. This money along with previous contributions was used to purchase a Video Camera and a VHS Video Recorder. Some of the money is being saved to upgrade computer equipment at Career Planning and Placement and to purchase software to automate placement procedures.

One student was supervised in problems courses, projects, or practicum situations.

The 1986 Rocky Mountain College Placement Association annual conference was held in Snowmass, Colorado. Two staff members attended this conference.

Bart Norman attended an University Placement Personnel orientation at Northrop Corporation in Los Angeles, California, in July, 1986.

Helen Kirkpatrick was hired in October, 1986, to fill the position left vacant by Ms. Kellen Livermore. Mrs. Kirkpatrick has completed all but the dissertation (ABD) in Educational Psychology, Department of Educational Foundations, The University of New Mexico.

George Sandoval served on the Nomination Committee for the Rocky Mountain College Placement Association.

Veronica Mendez-Cruz represented UNM and accompanied two student participants to the Council for Career Development for Minorities (CCDM) Student Development Workshop in Dallas, Texas, April, 1987.

Louise (Lou) Edwards participated in a Career Development Conference at the University of Northern Colorado in Greeley, Colorado, June, 1987.

PRIORITIES

The Department of Student Financial Aid/Career Planning and Placement continues to have student services as our first priority. Needless to say, if we are to optimize this goal, we must address specific areas as a means of accomplishing the task. If there is one thread that touches each of those individual objectives it is the need to upgrade the data processing support, both in software and hardware. An integrated data base will go a long way in the direction toward the goal of better student services. On the human side, staff recognition and training will assist in improving our student services. Recognition of staff can take a number of forms, but specific reference is made

to upgrading of clerical staff and professional staff. The employees of this office have the student as their first priority, or they would not continue to stay at UNM when salaries are higher in other sectors of the community.

Specific priorities in the student financial aid division are to:

1. Enhance the timely delivery of financial aid to students.
2. Improve the interaction among the various units in the student service division.
3. Provide better information to prospective students, their parents and high schools in New Mexico.
4. Provide better statistical and management information to colleges and departments related to student financial aid.
5. Professional training is particularly critical for the staff of Student Financial Aid/Career Planning and Placement. Because we must respond continually to changes in Federal, State and Institutional regulations, it is imperative that the training of the staff be up-to-date. As Federal programs are changed in Washington, the University must respond immediately. This is particularly evident as congress changes the delivery systems and qualifications for student financial assistance. At the state level, when new programs are introduced, it is important for the staff to be aware of the qualifications for these programs. In addition we must disseminate information regarding these programs out in the community to the prospective student population. Finally, we must be able to carry out these responsibilities when informing the individual student and counseling that student about financial planning to attend UNM.

6. Enhance the image of the University of New Mexico by emphasizing our dedication to academic excellence.

7. If we are to expand the services we offer to the students at the University of New Mexico the resource allocations must be adjusted to match those services. It is particularly evident when we look for prospective students. Probably the most pressing need for resource allocation in the Office of Student Financial Aid, Career Planning and Placement is the data processing requirements for this office. As mentioned earlier in this report, we are a paper-pushing organization, even though our primary focus must be the student and prospective student population at this institution. We must handle our paper more effectively. One of the main ways that this effectiveness can be improved significantly is through the use of data processing.

In the fall of 1985, implementation of a new software system began. The university dedicated resources in the Information Systems area to assist in this project. In addition, the Student Financial Aid office dedicated members of its staff to the effort. John Whiteside and Marjie Hepple were assigned the basic responsibility to see that the financial aid office was prepared for the 1986-87 award year. Therefore, with a March 1st date in mind, the project was given top priority. Throughout the spring of 1986, work continued on the installation. Additional hardware devices were acquired, and extensive staff training was conducted. Although problems occurred in the software, both the staff of Student Financial Aid and Information Systems continued to be optimistic. As the year closed, spirits remained high as we worked toward the Fall, 1986, disbursement, which would be our first on-line production.

Specific priorities for the Career Planning and Placement division are to:

1. In Career Planning and Placement it is particularly important to keep abreast of the changing job market and opportunities by individual discipline. Counseling and advising is a role which should not be minimized as the University works with the student in all facets of student life. It is important to keep all our skills up-to-date. It is, however, very difficult to do so in the financial environment that the university finds itself today. With twelve professional employees it is especially difficult to obtain proper training on a national or even regional basis. Because travel budgets are severely limited, it is difficult to send enough staff to professional meetings where they can expand their knowledge and improve their skill on a regular basis. As a consequence, it has become more and more important to utilize in-house opportunities within the University to provide for staff development activities.
2. Provide more career planning and placement opportunities for our liberal arts and fine arts majors through the addition of a position of Job Developer.
3. Provide better information to all our students concerning the services offered.
4. Require on line computer capability accompanied by word processing. There are software packages on the market that would improve Career Planning and Placement, particularly as students go into the Career Planning process as freshmen and sophomores at the university. This software makes available at the student's request, information on careers

and career opportunities, the geographical location of these career opportunities and an overall evaluation of particular career opportunities and an evaluation of a particular career as it relates to the training of a student. Naturally, the new location of the Student Service Center is going to require some study as to how effective the entire Student Service Center can be in serving students as a whole and individually. It is especially important for us to be aware of student's needs in a total sense, addressing them in the context of the entire admission, career planning, financial aid, registration and cashiering processes.

5. Provide for an additional staff member to travel extensively to develop employment opportunity for students, graduates, and alumni.

6. Resolve our conflicts with the Anderson School placement facility to the benefit of all our students.

Specific priorities for both divisions of the office are to:

1. Upgrade professional positions to appropriate grades and corresponding pay rates.

2. Upgrade clerical positions to appropriate grades and corresponding pay rates.

3. Increase the supply and expense budget to permit the purchase of appropriate periodicals, subscriptions and other reference materials for both students and staff.

4. Increase the travel budget to provide for professional growth of employees and therefore improve the quality of our student services.

CONCLUSION

Upon review of the "Priorities" section of the annual report for 1984-85, we have determined that significant progress had been made during 1985-86 in some areas. In particular, the first priority, "Enhance the timely delivery of financial aid to students," was addressed during the year. Specifically, in the spring of 1985, the financial aid office reorganized the counseling and processing divisions. Although this was an ambitious undertaking, in the Fall of 1985 it proved to be very effective and student oriented. Today, each student aid applicant is assigned a specific counselor for handling the individual student's application, problems, and awarding. An additional move toward student service was the expansion of the Peer Counseling Program, which was established in the spring of 1984. Each of these steps are components of the new "TEAM" concept that was the basis for the reorganization. Of course, the goal is better student service for all our population.

The second area that has been addressed since the 1984-85 annual report is that of computer support. In both areas computer capabilities have either been upgraded or are in the process of being upgraded. In Student Financial Aid we have installed the new software package mentioned in the 1984-85 report. The upgrading has taken place, even though much remains to be done. Continued training is a must and additional hardware is required. Nevertheless, the combination of the team approach, a new software package and upgraded hardware have all enabled the office to be more responsive to our students' needs.

The third area that has been addressed is the upgrading of professional staff. Effective with the 1986-87 year, both Career Advisors and Student Financial Aid

counselors will be upgraded. This change is a large step in the direction of recognizing the abilities and professional status of our employees. In addition, individual members of the staff have been promoted to new responsibilities. We believe strongly in the concept of promotion from within in order to recognize an outstanding employee. Hopefully, present budget problems will not adversely affect this basic belief.

The Office of Student Financial Aid/Career Planning and Placement will continue to play an involved role in the future of the University. Because one of the main goals of the University is the promotion of excellence in all areas, financial assistance will be especially important. In order to compete for the outstanding students within the State of New Mexico, UNM must be prepared to offer incentives for our students to attend our University. These incentives take many forms, not the least of which would be scholarships based on academic excellence. Recognition of outstanding high school students is particularly important if we are to promote excellence within the institution. Expansion of these opportunities depends upon many factors not the least the private sector within the City of Albuquerque and the State of New Mexico. Expansion of scholarship opportunities means that as a whole New Mexico students will stay in the State of New Mexico to obtain a higher education. Specifically, more scholarship opportunities will encourage students to attend the University of New Mexico rather than other institutions across the nation.

Excellence at our University cannot only be applied to attracting the quality student at our school. We must at the same time provide outstanding talent in our faculty. Finally, the environment, in which our students will be expected to plan their futures, must be the best. In order to be successful, it is

especially important for the individuals associated with the institution to understand the roles and goals of the institution as a whole. Only if they understand the roles and goals of the University can they apply those goals to their individual units. When they are in synchronization, both the unit and the institution will provide the greatest benefit for the greatest number of students, faculty and staff.

APPENDICES
to
ANNUAL REPORT
1986 - 87

APPENDIX A - SUMMARY OF AWARDS TO STUDENTS

P R O G R A M	1982 - 83		1983 - 84		1984 - 85		1985 - 86		1986 - 87	
	STUDENTS	DOLLARS	STUDENTS	DOLLARS	STUDENTS	DOLLARS	STUDENTS	DOLLARS	STUDENTS	DOLLARS
a										
N.D.S.L.	2,214	\$1,786,688	2,195	\$1,797,375	2,088	\$1,820,246	2,101	\$1,848,539	2,311	\$2,418,368
b										
C.W.S.P.	1,810	2,385,586	1,982	2,811,226	1,953	2,765,405	1,739	2,551,262	1,777	2,578,222
c										
N.M.W.S.	276	479,384	348	486,859	321	550,892	382	641,352	311	762,627
d										
S.E.O.G.	1,136	493,367	1,106	534,293	972	521,134	1,087	578,614	947	576,302
e										
S.S.I.G.	336	129,548	224	128,160	294	157,394	603	373,418	869	554,261
PELL	3,912	3,285,562	3,913	3,313,375	3,783	4,038,114	4,059	5,118,588	4,246	5,616,991
f										
G.S.L.	3,646	8,354,802	3,638	8,709,938	4,434	10,441,867	4,801	11,990,732	4,483	11,860,527
SCHOLARSHIPS	3,100	1,757,226	3,325	1,933,487	3,184	2,190,134	3,661	3,244,840	3,705	3,109,306
g										
NATIVE AMERICAN/BIA	700	1,400,571	604	1,166,813	510	1,110,064	541	1,104,787	618	1,398,422
HEALTH PROFESSIONS										
Medical Loan	48	100,260	50	110,559	53	94,227	48	89,066	87	47,420
Pharmacy Loan	9	8,750	1	1,000	3	5,200	3	4,900	6	3,000
Nursing Loan	64	49,650	20	16,600	12	11,500	8	13,500	8	5,200
ATHLETIC										
Grants-in-Aid	337	917,277	340	924,074	391	1,155,257	342	1,236,233	362	1,385,130
h										
WICHE/CONTRACT PROGRAMS	<u>222</u>	<u>1,982,379</u>	<u>207</u>	<u>1,954,485</u>	<u>199</u>	<u>1,908,495</u>	<u>188</u>	<u>1,950,835</u>		
TOTALS	17,810	\$23,131,050	17,953	\$23,888,244	18,197	\$26,769,929	19,563	\$30,746,666	19,727	\$30,315,076

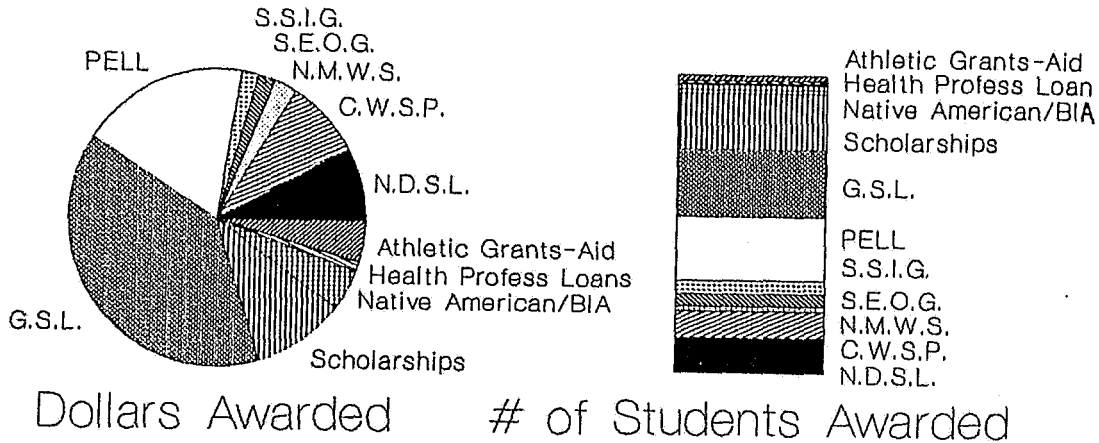
**Other programs not included are: Health Professions Grants, Veteran Benefits, Part-Time Off-Campus Employment.

a. National Direct Student Loan
 b. College Work Study Program
 c. New Mexico Work Study
 d. Supplemental Educational Opportunity Grant

e. State Student Incentive Grant
 f. Guaranteed Student Loan
 g. Includes Office of Indian Education (OIE)
 h. Western Interstate Commission for Higher Education

APPENDIX A Summary of Awards to Students

Academic Year 1986-87



APPENDIX B

SCHOLARSHIPS AWARDED FOR ACADEMIC YEAR 1986-87

395

	<u>Amount</u>	<u>No.</u>	<u>Total Amount</u>	<u>Total Award</u>
Anderson School of Management			\$ 13,890	31
C.P. Anderson	2,550	3		
J.M. Macy	3,740	10		
American Indian MBA	2,000	1		
Ted Russell	400	2		
Nat F. De Palma	876	3		
Ben Lomand Roberts	900	3		
John and Patricia Wineberg	124	1		
Homer D. Olson	500	2		
Martin Olson	800	2		
George Maloof	2,000	4		
Anthropology			800	1
Barbara MacCaulley	800	1		
Architecture			4,752	13
Lath & Plaster	600	1		
Friends of Architecture	1,250	4		
Miscellaneous awards	2,800	7		
N.M. Concrete Masonry	102	1		
Art Department			4,750	13
Cheryl Conniff-Carroll	1,000	2		
Charles Mattox Prize	800	2		
Hilmer G. Olson	800	1		
John L. Knight	300	1		
Anna C. Helman Award	100	1		
Raymond Jonson	250	1		
Jeffrey Sherman	1,500	5		
Athletic Department			4,510	7
Tine Greenblatt	510	1		
Gwinn Henry - Letterman	3,000	5		
Anna Gilliland	1,000	1		
Chemistry Department			3,025	7
Paul Mozley	735	2		
Mike Milligan	500	1		
J. L. Riebsomer	540	1		
John Clark	250	1		
Dean E. Uhl	1,000	2		

Communicative Disorders			1,020	1
Mary C. Crossman	1,020	1		
Dental Programs			1,575	4
Novitski-Bleuher	575	3		
Mary Theresa Kerrigan	1,000	1		
Education			13,325	45
John Milne Memorial	1,800	8		
Charles Spain Memorial	1,750	6		
Dolores Gonzales	2,550	3		
Helen Esterly Memorial	\$750	3		
Nellie Gooch Travelstead	875	5		
Ives Memorial	2,000	10		
Emma Olson	1,000	3		
Marian Coons	100	2		
Home Economics	2,500	5		
Engineering			109,678	214
George E. Breece	250	1		
Caroline Carson	2,500	3		
George Rutherford	600	1		
National Action Council for Minority Engineers	35,675	83		
Robert and Evelyn McKee Assoc. General Contractors, N.M. Building Branch	5,500	6		
Charles H. Lambke	3,000	5		
NASA	700	1		
Harry Leonard	2,000	4		
Paul H. Wright	12,500	36		
Digital Equipment	400	1		
T. T. Castonguay	1,250	1		
Phillip Miller	1,567	4		
ASHRAE	1,000	2		
NM Soc. of Prof. Engineers	800	4		
NM Soc. of Prof. Engrs' Wives	2,000	2		
Christopher E. Evangel	510	1		
David R. Mills	1,200	1		
Chemical Development	500	1		
Carter Endowed	500	2		
Association of Old Crows	1,000	2		
Farris Engineering	2,800	3		
Hercules	2,000	4		
Alcoa	3,000	3		
Nuclear Power Studies	1,000	3		
Eastman Kodak	500	1		
Sperry Flight	3,000	3		
Civil Engineering Award	8,500	6		
Y. C. Hsu	200	1		
Special Engineering Gifts	750	1		
	6,632	11		

Engineering (cont.)

Alumni Mechanical Engineers	2,850	5		
Lath and Plaster	1,020	1		
Alumni Club	750	1		
Electronic Technology	300	6		
Phillips Petroleum	800	2		
Electrical Engineering Gifts	287	1		
Mechanical Engineering Resear.	1,837	1		
English			800	4
Creative Writing	700	2		
Katherine M. Simms	100	2		
Fraternities			1,121	2
Lou Beverly Damron	500	1		
Omega Psi Phi	621	1		
General Honors			200	2
Rana Rose Adler Prize	200	2		
Geology			15,548	37
Geology Awards	976	11		
Harry Leonard	7,000	9		
Rodney C. Rhodes	183	1		
Miscellaneous Awards	350	1		
General Thomas D. Campbell	1,800	2		
James Drew Pfeiffer	139	1		
Geology Alumni	5,100	12		
History Department			900	3
Charles Coan	300	1		
Alfred Grunsfeld	600	2		
Journalism Department			11,078	20
W. A. Keleher	500	1		
Readers Digest	236	5		
George Carmack	1,000	3		
Dan Burrows	1,000	3		
Albuquerque Journal	1,500	1		
James Crow	300	1		
Caroline Hunsley	142	1		
Albuquerque Press Club	900	2		
C. T. Lang/T. M. Pepperday	5,500	3		
Latin American Studies			500	1
Thurmond E. Williamson	500	1		

Law School

107,158

91

398

W. E. and Hazel Bondurant	89,485	64
A. H. McLeod Prize	200	1
Erwin Stern Morse Award	200	1
Law Scholarships	16,948	23
Lewis R. Sutin	200	1
Margaret Keiper Daily	125	1

Medical School

138,912

134

Helen James	3,022	3
H. J. Holden	78,140	80
J. R. Van Atta	2,000	2
L. L. Peterson	3,700	4
Wanda & Donald Atkinson	7,300	10
James G. Oxnard	2,000	2
Medical Faculty for Disadvantaged Students	500	2
Medical School Grants	13,600	8
Frank & Shirley Gillian	3,350	3
Hartley Dean	6,000	2
Julia B. Tappen	17,300	16
Marie Hutton	2,000	2

Medical Lab Science

600

1

Lynn Saxton Memorial	600	1
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Music

50,292

119

Queen Elizabeth of Belgium	600	1
Whitehead Estate	800	1
Johanna Franz Fishe	6,825	25
Berta Van Stone	300	1
Albuquerque Music Club	54	1
Community Concert	250	2
N.M. Federated Music Club	160	1
Fine Arts Council	50	1
Presser Foundation	1,000	1
Friends of Music	13,000	20
Music Awards	3,892	17
Michael H. Anderson	400	1
N.M. Symphony Orchestra	1,500	2
Kravitz	500	1
Pep/Marching Band	19,175	38
Dr. John Shepard	175	1
Carolyn M. Flora	250	1
Kurt's Camera Corral	600	1
John D. Robb	600	1
Mimi Tung	61	1
Bobby Shew Jazz	100	1

Brodmerkle-Brown	1,178	1
All State Foundation	500	1
Porta Irick	3,450	7
Agnes Ripple Adams	5,168	6
Marie Hoch	1,500	1
Friends of Nursing	1,000	1
Nellie Huntsinger	698	1
Ethicon	3,000	4
Bryant Pedrick	1,500	3
Ray Woodham	500	1
Diane Adamo	1,535	2

Outside Scholarships

574,111

616

AAUW	2,000	4
NW Regional Science Fair	500	1
Elks Lodge #461	700	1
Viles Foundation	5,500	6
Penn. Higher Ed. Grant	400	1
Miscellaneous Scholarships	545,910	566
Las Madrugadores Golf Club	2,000	5
First Congress. Dist.	8,750	19
N.E.A. Teachers Award	401	1
Abraham Lincoln Mitchell	2,450	5
NM Advertising Federation	500	1
Order of Daedalions	2,750	4
Martin Rockwell	2,000	1
Max G. Smigelow	250	1

Pharmacy

10,829

14

Miscellaneous Awards	1,250	2
McKesson Drug	150	1
Arthur and Anna Hall	500	1
William Fiedler	400	1
Burroughs-Wellcome	1,500	3
Exceptional Need Pharmacy	5,859	1
Pharmacy - Veterans Hospital	1,040	4
A. Conner Daily	130	1

Physical Plant

900

2

Clayton Barber	600	1
M. Fifield	300	1

Political Science

2,950

26

Chester French	499	9
Marian Grunsfeld	2,024	10
Rosa Ruden Roosa	427	7

Psychology			1,650	2	400
Ben Franklin Haugh	1,650	2			
R.O.T.C.			5,485	12	
Robin Gueths	250	1			
John P. Reynolds	700	2			
NROTC	4,085	6			
Soc. American Military Engr.	250	1			
USS New Mexico	200	2			
Sociology			300	2	
Christopher McGee	300	2			
Special Services			1,200	1	
William Ullom	1,200	1			
Student Financial Aid Office (Total Aid)			1,959,657	2126	
Academic Scholarships: (Itemized below)			826,803	930	
Regents	8,160	9			
Excel	587,493	646			
Valedictorian	15,420	15			
Activity	49,170	80			
Sterling	156,060	166			
Transfer	10,500	14			
Presidential			833,535	601	
Thomas and Louise Bell			17,383	13	
Math	4,500	3			
Non-renewable & Misc.	9,843	5			
Bill Rhodes	1,000	1			
P.A.C.E.	2,040	4			
Hugh Woodward			88,732	240	
Law School	9,522	9			
Freshman Honors	6,250	18			
Athletic Trainers	10,710	13			
Inez McDavid	765	1			
Forensics	8,000	8			
Senior Honors	8,196	72			
ASUNM/GSA Officers	3,060	4			
Theatre Arts	23,860	33			
Religious Studies/Matching	1,129	5			
LULAC/Matching	2,500	25			
Ability Counts	3,060	3			
Concurrent Enrollment	4,630	42			
Math Contest	1,500	1			
Miscellaneous Awards	5,550	6			

40 Student Financial Aid Office (cont.)

Helen Woodward			14,775	62
Art Dept. Awards	1,000	4		
Music Dept.	13,775	58		
Daniel Jackling			42,832	86
German Summer School/Weekend	6,500	18		
French Summer School/Weekend	5,250	18		
International Programs	20,932	36		
D.E.C.A.	4,970	6		
Miscellaneous Awards	3,460	6		
NW Regional Science Fair	1,720	2		
Winrock Center			56,478	99
Academic Non-renewable	22,290	24		
Alumni	26,388	32		
Amigo	7,800	43		
Miscellaneous Scholarships			79,119	95
Bertha Hollis	12,775	13		
Phelps Dodge	2,550	2		
Luther Sizemore	13,704	17		
Miscellaneous Trust	9,344	10		
George Kaseman	1,010	2		
Miscellaneous Gifts	1,850	3		
Hartley Dean	17,500	17		
Dr. Harry Vanderpool	400	1		
Myrtle Okey	3,505	5		
Austin Roberts	446	1		
Harrison Schmitt	600	1		
Ballut Abyad	1,020	1		
Harry Lee	1,500	1		
Thornton Seligman	1,020	1		
Lena Heath	3,405	9		
Bobby Foster	2,000	2		
Rockwell International	2,000	3		
El Paso Gas	1,250	2		
M. L. Nelson/O. J. Bader	1,020	1		
Rita Sanchez	1,220	1		
Farmers Group	1,000	2		
Theatre Arts			500	3
George St. Clair - Theatre	100	1		
Barbara Kiker - Dance	100	1		
Nadene Blackburn	300	1		

UNM Branches

Gallup Branch Awards			21,385	56
Myrtle Loughridge	500	1		
Miscellaneous Awards	20,885	55		
Valencia Branch Awards			20,822	47
Miscellaneous Awards	12,458	25		
Academic	8,364	22		
Los Alamos Awards			5,054	20
Miscellaneous Awards	430	1		
Academic	4,624	19		
TOTAL SCHOLARSHIPS AWARDED - UNM			<u>3,109,306</u>	<u>3,705</u>

Breakdown

University of New Mexico				
Main Campus			\$3,062,045	3,582
Gallup Branch			21,385	56
Los Alamos Branch			5,054	20
Valencia Branch			<u>20,822</u>	<u>47</u>
			<u>\$3,109,306</u>	<u>3,705</u>

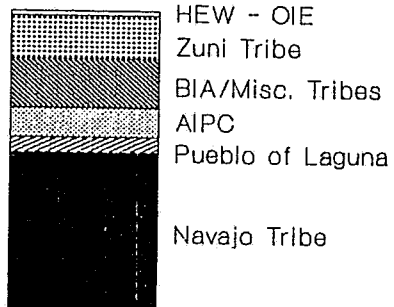
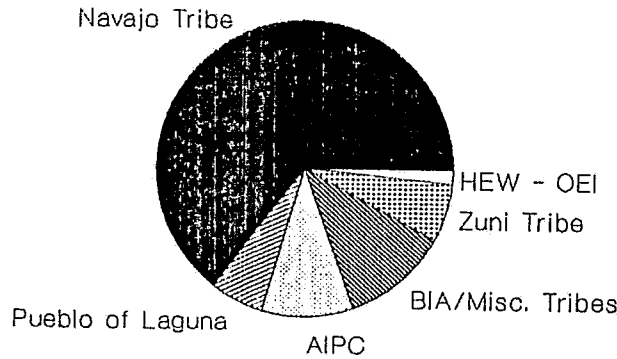
APPENDIX C

NATIVE AMERICAN - BIA AWARDS
Academic Year 1986-87

	<u>Amount</u>	<u>No.</u>	<u>Total Amount</u>	<u>Total Award</u>
Native American Awards				
Navajo Tribe	903,034	329		
Pueblo of Laguna	83,761	30		
All Indian Pueblo Council	139,805	63		
BIA/Misc. Tribes	162,457	104		
Zuni Tribe	88,090	88		
HEW - OIE	21,275	4		
BIA - TRIBAL AWARDS			\$1,398,422	618

APPENDIX C Native American - BIA Awards

Academic Year 1986-87



Dollars Awarded # of Students Awarded

APPENDIX D

405

OFFICE OF STUDENT FINANCIAL AIDPART TIME EMPLOYMENT PROGRAMPLACEMENT REPORT

	<u>On Campus</u>	<u>Off Campus</u>	<u>Grand Annual Total</u>
Total Jobs Posted	150	4,018	4,168
Jobs Not Filled By Us	0	490	490
Jobs Filled By Us	150	3,528	3,678
Students Registered	4,215		
Total Referred	15,946		

APPENDIX E - NEW MEXICO STUDENT EXCHANGE PROGRAMS
SUMMARY OF ACTIVITY

.. 406

1986-87 Summary

WICHE:	<u>Students</u>		<u>Support</u>
New Students	34	\$	359,286.00
Returning Students	<u>89</u>		<u>997,899.00</u>
TOTAL - WICHE	123		\$ 1,357,185.00
CONTRACT:			
New Students	11	\$	119,300.00
Returning Students	<u>43</u>		474,500.00
TOTAL - CONTRACT	54		<u>\$ 593,800.00</u>
COMBINED TOTAL	<u>177</u>		<u>\$ 1,950,985.00</u>

1986-87 Support by Field - Summary

WICHE:	<u>Students</u>		<u>Support Fees</u>
Dentistry	16	\$	177,600.00
Forestry	6		20,400.00
Graduate Library Studies	4		18,200.00
Occupational Therapy	3		10,400.00
Optometry	7		42,700.00
Osteopathy	17		168,300.00
Podiatry	0		0
Public Health	7		27,165.00
Scholars Program	1		5,820.00
Veterinary Medicine	<u>62</u>		<u>886,600.00</u>
TOTAL - WICHE	123	\$	1,357,185.00
CONTRACT:			
Dentistry	37		388,500.00
Optometry	3		16,800.00
Veterinary Medicine	<u>14</u>		<u>188,500.00</u>
TOTAL - CONTRACT	54	\$	593,800.00
COMBINED TOTAL	<u>177</u>		<u>\$ 1,950,985.00</u>

407

1986-87 Support by Institution - Summary

WICHE

	<u>Students</u>	<u>Support Fee</u>
College of Osteopathic Medicine of the Pacific	17	\$ 168,300
Colorado State University	56	756,900
Loma Linda University	4	44,400
Northern Arizona University	1	3,400
Oregon State University	1	3,400
San Diego State University	1	5,100
San Jose State University	1	5,600
Southern California College of Optometry	2	12,200
University of Arizona	3	12,600
University of California, Berkeley	4	23,400
University of Colorado	12	121,920
University of Montana	2	6,800
University of the Pacific	2	12,200
University of Puget Sound	1	3,900
University of Southern California	1	11,100
University of Washington	5	22,965
Washington-Oregon-Idaho Program	<u>10</u>	<u>143,000</u>
 Total:	 123	 \$1,357,185

CONTRACT

Baylor College of Dentistry	5	52,500
Creighton University	4	42,000
Kansas State University	4	52,900
Marquette University	5	52,500
Tufts University	12	156,600
University of Houston	3	16,800
University of Missouri-Kansas City	20	210,000
Washington University-MO	<u>1</u>	<u>10,500</u>
 Total:	 54	 \$ 593,800

COMBINED TOTALS:

<u>177</u>	<u>\$1,950,985</u>
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1986-87 Summary of Students by Class

	<u>YEAR IN PROFESSIONAL TRAINING</u>				<u>TOTAL</u>	<u>DEGREES AWARDED</u>
	<u>1st.</u>	<u>2nd.</u>	<u>3rd.</u>	<u>4th.</u>		
Contract Dentistry	10	8	9	10	37	10
Contract Optometry	0	1	1	1	3	1
Contract Veterinary Medicine	1	3	4	6	14	6
WICHE Dentistry	2	6	5	3	16	3
Forestry (2 yr. Prog.)	1	5	NA	NA	6	5
Graduate Library Studies	3	1	-	-	4	1
Occupational Therapy (2 yr. Prog.)	1	2	NA	NA	3	1
WICHE Optometry	2	1	0	4	7	4
WICHE Osteopathy	3	5	4	5	17	5
Podiatry	0	0	0	0	0	0
Public Health	2	3	2	0	7	2
Scholars Program	1	0	-	-	1	0
WICHE Veterinary Medicine	<u>18</u>	<u>16</u>	<u>15</u>	<u>13</u>	<u>62</u>	<u>13</u>
TOTAL STUDENTS	44	51	40	42	177	51
SUPPORT PAID (IN DOLLARS)	479,086	517,033	472,966	481,900	1,950,985	

1-409

NEW MEXICO PROFESSIONAL EXCHANGE STUDENTS IN TRAINING BY FISCAL YEAR THROUGH 1987

Year	Med./		Vet. Phys.		Occ.		Pod.	For.	Lib.	Nurs.	Pub.	Schol.	Total
	Osteo.	Dent.	Med.	Ther.	Ther.	Opt.								Sci.	Hlth.	Prog.
1951-52	11												11
1952-53	17												17
1953-54	21		3										24
1954-55	21		6										27
1955-56	21		10										31
1956-57	31		12										43
1957-58	32		11										43
1958-59	36		12										48
1959-60	37	1	11										49
1960-61	43	1	12										56
1961-62	34		11	17									62
1962-63	33	23	22										78
1963-64	34	36	22										92
1964-65	24	63	24										111
1965-66	16	68	25										109
1966-67	9	71	27										107
1967-68	2	78	27										107
1968-69		73	30										103
1969-70		72	30										102
1970-71		78	29		1	1							109
1971-72		78	31	1	4	6							120
1972-73		77	28		3	9		12					129
1973-74		79	30		2	10	2	25	4				152
1974-75		85	23	1	3	11	2	27	9				161
1975-76		88	21		2	15	2	23	14	1			166
1976-77		102	26		3	23	1	30	19	2			206
1977-78		110	31		5	26		11	14	4			201
1978-79		106	34		5	28		3	11	6	2		195
1979-80		103	48		8	31	4	9	9	7	5		224
1980-81	3	104	54		9	25	6	13	7	3	4		228
1981-82	7	93	60		6	24	6	15	8	1	1		221
1982-83	10	79	72		7	22	6	16	5	2	3		222
1983-84	13	66	76		7	18	1	12	8	2	6		209
1984-85	15	57	75		7	14		12	10	3	6		199
1985-86	16	54	77		4	10		11	7	2	7		188
1986-87	17	53	76		3	10		6	4	7	1		177

PAYMENTS FOR NEW MEXICO PROFESSIONAL EXCHANGE STUDENTS BY FISCAL YEAR

Year	Med./ Osteo.	Dent.	Vet. Med.	Phys. Ther.	Occ. Ther.	Opt.	Pod.	For.	Lib. Sci.	Nurs.	Pub. Hlth.	Schol. Prog.	Total
1951-61	\$528,281	\$ 3,200	\$92,400										\$623,881
1961-71	300,333	889,033	344,200		\$ 1,200	\$ 1,200							1,535,966
1971-72		140,350	55,800	\$1,700	4,200	7,200							209,250
1972-73		162,583	50,400		5,200	10,800		\$18,000					246,983
1973-74		334,067	120,000		2,400	12,000	\$5,000	33,750	\$ 7,503				514,720
1974-75		342,667	92,000	1,700	4,600	13,200	5,000	37,000	27,512				523,679
1975-76		441,558	94,000		5,600	32,400	3,000	31,250	28,761	\$ 2,500			641,069
1976-77		575,166	150,500		8,400	68,400	2,133	36,250	37,497	2,917			880,993
1977-78		720,583	282,500		14,734	105,600		22,966	27,244	16,800			1,190,427
1978-79		785,250	300,000		14,733	112,600		3,467	28,233	20,300	\$ 7,650		1,272,233
1979-80		839,530	478,500		29,167	132,000	20,000	22,950	16,132	28,500	16,043		1,582,822
1980-81	27,000	909,120	575,175		39,467	106,300	32,400	31,900	15,900	9,400	11,563		1,757,609
1981-82	63,000	878,868	702,250		12,917	114,800	34,200	31,200	19,732	5,400	4,300		1,867,267
1982-83	90,000	762,478	895,568		19,350	111,800	37,200	37,334	7,699	8,700	12,250		1,982,379
1983-84	117,000	648,400	970,000		20,337	93,200	6,200	30,500	19,998	11,600	26,747		1,943,978
1984-85	140,583	578,360	992,850		19,001	77,300		28,801	33,332	17,400	22,868		1,910,495
1985-86	153,117	572,100	1,057,900		12,033	58,100		30,250	28,700	12,000	26,335		1,950,535
1986-87	168,300	566,100	1,075,100		10,400	59,500		20,400	18,200		27,165	5,820	1,950,985

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APPENDIX F

CAREER PLANNING & PLACEMENT
SUMMARY OF ACTIVITYActive Registrants and Employment Tabulation

	Totals		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Active Registrants	1,363	1,414	1,333
Reported Employed	270	265	322

On-Campus Employer Visits

	Totals		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Total	605	598	765
Employers - Out-of-State	354	371	487
Employers - New Mexico	251	227	278

Registrant Distribution by Ethnic Background and Sex

	Totals		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Afro-American	14	18	15
American Indian	14	17	15
Spanish American	216	235	210
Oriental American	17	10	13
Non-Citizen	36	55	50
Other	176	1,070	1,027
Female	687	685	662
Male	676	729	664

Professional Credential Reproduction & Distribution

	Totals		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Credentials	5,071	4,285	3,772
Current Graduates	1,224	2,861	1,388
Alumnus	3,418	1,122	2,374
Reciprocal	429	302	10

Alumni/Reciprocal Fee & Credential Distribution Fee

	Totals		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Receipts	\$18,697.80	\$5,171.30	\$4,236.80

Registrant Classification & Degree Level

<u>Classification</u>	<u>Totals</u>		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Student/Current Graduates	725	683	639
Graduate Students	239	368	256
Alumni	334	289	363
Reciprocal	65	74	40
<u>Degree</u>			
Associate	4	5	6
Bachelor	955	936	904
Masters	316	359	296
Doctorate	84	108	103
Other	4	6	1

Registrant Tabulation by School or College

<u>School/College</u>	<u>Totals</u>		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Arts & Sciences	297	287	278
Anderson School of Management	304	297	198
BUS	23	17	24
Education	406	431	409
Engineering	278	322	331
Fine Arts	30	29	28
Law	3	1	2
Medicine	0	0	2
Nursing	13	29	36
Pharmacy	1	0	1
Architecture & Planning	3	1	4

Monthly Accounting of Scheduled Counselor Appointments

	<u>Totals</u>		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
July	247	235	259
August	238	231	290
September	251	214	209
October	302	314	261
November	292	235	272
December	269	173	222
January	284	309	315
February	283	237	258
March	304	246	226
April	299	333	282
May	247	309	267
June	<u>245</u>	<u>264</u>	<u>245</u>
Total	3,261	3,106	3,106

APPENDIX G

BUSINESS, INDUSTRY, GOVERNMENT SECTION
SUMMARY OF ACTIVITYActive Registrants

	Totals		<u>1984-1985</u>
	<u>1986-1987</u>	<u>1985-1986</u>	
Total Registrants	819	855	802
Non-Technical	437	408	323
Technical	382	447	479

Registrant Disposition

	Totals		<u>1984-1985</u>
	<u>1986-1987</u>	<u>1985-1986</u>	
Employed	221	212	245
Still Seeking	70	85	100
Graduate School	14	10	6
No Information	514	548	451

Employed by Field

	<u>1986-1987</u>		
	<u>Registered</u>	<u>Employed</u>	<u>No Info.</u>
<u>Non-Technical</u>			
Accounting	80	38	37
Business Administration	138	31	96
Finance	37	3	29
Marketing	51	15	40
Fine Arts	7	0	6
Humanities/Social Sciences	114	9	85
Miscellaneous	3	0	3
<u>Technical</u>			
Architecture	3	1	2
Biology	17	2	11
Chemistry	9	3	5
Computer Science	65	28	33
Economics	21	1	19
Engineering-Chemical	18	7	11
Engineering-Civil	21	8	11
Engineering-Electrical	96	35	46
Engineering-Mechanical	79	32	36
Engineering-Nuclear	8	1	7
Geology	6	1	5
Journalism	2	0	2
Mathematics	18	0	17
Nursing	11	5	6
Pharmacy	0	0	0
Physics	6	1	5
Home Economics	1	0	1
Dental Hygiene	1	0	1

<u>Employed With</u>	<u>Totals</u>		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Business-Industry	170	167	185
Government	48	43	51
Education	3	0	0

<u>Location of Employment</u>	<u>Totals</u>		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
New Mexico	133	120	125
Out-of-State	88	90	119

<u>Salary Survey</u>	<u>1986-1987</u>		<u>1985-1986</u>		<u>1984-1985</u>	
	<u>No. Offers</u>	<u>Avg. Salary</u>	<u>No. Offers</u>	<u>Avg. Salary</u>	<u>No. Offers</u>	<u>Avg. Salary</u>

School/College

Arts & Sciences

Bachelors	21	\$1,756	15	\$1,686	29	\$1,490
Masters	5	1,883	8	1,996	16	1,602
Doctorate	3	3,167	9	2,021	7	2,222

Architecture & Planning

Bachelors	0		0		0	
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BUS

Bachelors	0		1	\$1,483	3	\$1,667
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Business (ASM)

Bachelors	98	\$1,618	91	\$1,644	70	\$1,560
Masters	26	2,140	40	2,034	23	2,018

Engineering

Bachelors	153	\$2,230	177	\$2,175	296	\$2,158
Masters	24	2,795	16	2,632	41	2,679
Doctorate	0		0		0	
Associate	1	1,530	1		1	

Fine Arts

Bachelors	4	\$1,515	7	\$1,528	2	\$1,646
Masters	0		0		0	
Doctorate	0		0			

General College

Associate	1	\$1,538	1	\$1,483	0	
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Nursing

Bachelors	7	\$2,024	0		9	\$1,545
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Public Administration

Masters	3	\$2,438	1	\$1,792	0	
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Salary Survey (Cont.)

Non-Technical Average Monthly Salary

	No. of Offers		1986-1987	No. of Offers		1986-1987
	<u>NM</u>	<u>Total</u>	<u>Bachelors</u>	<u>NM</u>	<u>Total</u>	<u>Masters</u>
Accounting	43	96	\$1,651	7	14	\$2,131
Business	13	33	1,603	14	33	2,296
Finance	3	8	1,498	1	2	2,367
Marketing	15	36	1,587	2	4	1,708
Humanities/Soc. Sci.	6	14	1,376	3	6	1,750

Technical Average Monthly Salary

	No. of Offers		1986-1987	No. of Offers		1986-1987
	<u>NM</u>	<u>Total</u>	<u>Bachelors</u>	<u>NM</u>	<u>Total</u>	<u>Masters</u>
Biology	1	2	N/R	0	1	N/R
Chemistry	0	3	N/R	0	0	N/R
Economics	1	2	\$1,530	0	0	N/R
Computer Science	12	42	2,268	3	11	2,696
Engineering-Chemical	0	6	2,513	1	3	2,958
Engineering-Civil	6	17	1,912	0	0	N/R
Engineering-Electrical	26	80	2,219	2	8	3,000
Engineering-Mechanical	15	68	2,296	1	9	2,857
Engineering-Nuclear	1	2	1,967	0	0	N/R
Geology	0	0	N/R	0	2	2,250
Mathematics	0	0	N/R	0	0	N/R
Nursing	7	14	2,024	0	0	N/R
Physics	0	1	2,608	0	0	N/R
Architecture	1	2	N/R			

Average Salaries - Bachelors Level - Type of Employers

	Totals		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Accounting-Public	\$1,714	\$1,698	\$1,715
Aerospace & Components	2,408	2,411	2,191
Armed Forces	N/R	N/R	N/R
Automotive & Mech. Equip.	2,464	2,388	2,427
Banking, Finance, Insurance	1,464	1,344	1,337
Bldg. Materials, Mfgs. & Constr.	2,253	2,054	1,721
Chemical, Drugs, Allied Products	2,552	2,294	2,199
Electrical Machinery & Equipment	N/R	2,390	2,266
Electronics & Instruments	2,282	2,101	2,268
Food & Beverage Processing	1,646	2,208	N/R
Glass/Paper/Pkg. Products	1,758		
Govt. (local, state, federal)	1,836	1,784	1,750
Health Services	1,982	1,792	1,459
Merchandising & Related Services	1,605	1,565	1,463
Petroleum & Petroleum Products	N/R	2,156	2,460
Research/Consulting Organizations	2,094	2,056	2,358
Utilities - Public	2,474	2,494	2,358

Campus Recruiting

	Totals		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Individual Organizations	250	246	297
New Mexico Based	104	83	70
Recruiting Schedules	404	427	272
Individual Interviews	3,763	3,870	4,040

APPENDIX H

EDUCATION SECTION
SUMMARY OF ACTIVITY

Active Registrants

	<u>1986-1987</u>	<u>Totals</u> <u>1985-1986</u>	<u>1984-1985</u>
Total Registrants	544	559	529
Elementary Level	152	159	153
Secondary Level	242	222	199
College Level	63	107	90
Administration	27	29	17
Guidance	2	1	4
Ungraded	58	41	66

Registrant Disposition

	<u>1986-1987</u>	<u>Totals</u> <u>1985-1986</u>	<u>1984-1985</u>
Employed	49	53	77
Still Seeking	103	178	153
Graduate School	2	1	3
No Information	384	327	296

Employed by Level

<u>Elementary</u>	<u>Registered</u>	<u>Employed</u>	<u>No. Info.</u>
Regular Instruction	134	7	107
Art	2	0	2
Foreign Language	0	0	0
Music	3	1	2
Physical Education	7	0	5
Other	6	1	5

Secondary

Art	19	4	11
Business Education	7	0	5
English	33	1	25
Foreign Languages	16	2	8
Home Economics	10	1	6
Industrial Arts	4	0	4
Mathematics	24	1	18
Music	15	3	7
Physical Education	17	1	13
Biology	18	3	9
Chemistry	1	0	0
Social Studies	53	5	34
Other	17	3	10
Speech & Dramatic Arts	2	0	1
Physics	6	1	5

Registrant Disposition (Cont.)

<u>Ungraded</u>	<u>Registered</u>	<u>Employed</u>	<u>No. Info.</u>
Special Education	21	1	15
Speech Pathologist	9	1	7
School Psychologist	0	0	0
Diagnostician	5	0	4
Guidance Counselor	11	2	8
School Nurse	2	0	1
Librarian	5	1	4
Other	5	1	3
Administration	27	3	18
College	63	6	45
Guidance	2	0	2

Employed With

	<u>Totals</u>		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Education	47	47	60
Business/Industry/Government	2	7	17

Location of Employment

	<u>Totals</u>		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
New Mexico	32	34	55
Out-of-State	17	20	21

Salary Survey

	<u>1986-87</u>		<u>1985-1986</u>		<u>1984-85</u>	
	<u>Offers Reported</u>	<u>Average Salary/Yr.</u>	<u>Offers Reported</u>	<u>Average Salary/Yr.</u>	<u>Offers Reported</u>	<u>Average Salary/Yr.</u>
Elementary						
Bachelors	12	\$17,066	20	\$17,348	29	\$16,561
Masters	4	N/R	11	17,899	12	18,640
Secondary						
Bachelors	35	\$18,449	25	\$18,567	35	\$16,067
Masters	4	23,676	14	18,959	8	22,070
Doctorate	0	N/R	7	25,150	0	N/R
Ungraded						
Bachelors	3	\$17,200	2	\$19,000	0	N/R
Masters	21	21,750	19	22,700	0	N/R
Doctorate	0	N/R	0	N/R	0	N/R
College						
Masters	0	N/R	0	N/R	2	\$17,000
Doctorate	9	29,575	9	\$23,200	7	24,247
Administration						
Masters	0	N/R	0	N/R	1	\$29,247
Doctorate	3	30,000	1	N/R	1	N/R

Campus Recruiting

	<u>Totals</u>		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Individual Institutions	129	111	122
New Mexico Schools	57	60	56
Recruiting Schedules	167	161	151
Individual Interviews	966	989	847

Type Employers Recruiting

	<u>Totals</u>		
	<u>1986-1987</u>	<u>1985-1986</u>	<u>1984-1985</u>
Elementary	12	3	12
Secondary	32	29	16
Elementary/Secondary	72	72	70
College	13	7	24

Appendix I
Cooperative Education
Summary of Activity

420

Fall 1986

Co-op Placements - 13

Co-op Sites:

Department of Energy (Alb.)	4 students
General Electric (Alb.)	4
Kirtland AFB (Alb.)	2
NASA (Md.)	1
Social Security Administration (Alb.)	<u>1</u>
Telluride Resort (CO)	1
	13

Spring 1986

Co-op Placement (ASM only) - 9

Co-op Sites:

Department of Energy (Alb.)	3 students
IBM (Tx.)	3
IRS (Alb.)	1
International Trade Administration (Wash., D.C.)	1
Los Alamos National Labs	1

Total Placement

22 students

Recruiter visiting campus

Department of Energy
 General Accounting Office
 General Electric Company
 General Motors Corp., Saginaw Division
 IBM - Dallas, Tx.
 Internal Revenue Service
 International Trade Administration
 J.C. Penney Co., Inc.
 Kirtland Air Force Base, New Mexico
 Los Alamos National Laboratory, New Mexico
 NASA, Greenbelt, Maryland
 Pizza Hut
 Social Security Administration
 Telluride Resort, Colorado

Report on the Special Recruiting Event for Educators

April 30 and May 1, 1987

	<u>1986</u>	<u>1987</u>
NUMBER OF SCHOOL DISTRICTS	68	67
NUMBER OF RECRUITERS	110	108
NUMBER OF SCHEDULES	161	150
NUMBER OF INDIVIDUAL INTERVIEWS	899	915
NUMBER OF CANDIDATES INTERVIEWED	188	175
NUMBER OF NO-SHOWS	35	49

THE ANNUAL REPORT OF THE
STUDENT HEALTH CENTER
JULY 1, 1986 - JUNE 30, 1987

OLGA M. EATON, M.D., DIRECTOR

STUDENT HEALTH CENTER

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ANNUAL REPORT

JULY 1 1986 - JUNE 30 1987

The Student Health Center continued to have a high volume of patients FY 1986-1987. There has been a remarkable increase in patient contacts each year for the past five years from 68,969 total visits in FY 81-82 to 103,141 total visits last year (a 49% increase). Total visits this year were counted as 99,307 which is probably 2000 to 3000 less than actually occurred because in September we changed our method of counting to a computerized system, and it took at least two months for the staff to adjust to the change. Some contacts were not recorded during this time. Our active chart file contains 18,000 charts. We were glad to see a stabilization of this upward trend in visits because our building has just about reached its maximum in expansion possibilities.

STUDENT HEALTH CENTER CLINIC STATISTICS

TOTAL CONTACTS BY DEPARTMENT

<u>DEPARTMENT</u>	<u>FY 85 - 86</u>	<u>FY 86 - 87</u>
MEDICAL	23,932	21,692
CONSULTANT	3,217	4,118
RADIOLOGY	1,820	1,552

LABORATORY	18,632	15,288
WALK-IN	8,405	7,789
IMMUNIZATION	12,638	13,386
IN-PATIENT	189	142
EMERGENCY	3,137	3,176
MENTAL HEALTH	8,125	7,533
PHARMACY	21,870	23,696
OUTREACH	1,172	940
TOTAL	103,139	99,307

Most departments had a fairly unchanged rate of utilization during the year except for the immunization clinic which had a peak in August at the beginning of school and again in the Spring during a measles epidemic for a total increase of 6%. The pharmacy also had an 8.3% increase in total sales, and consultant visits increased by 3%.

STUDENT HEALTH CARE PERCEPTION SURVEY

A campus wide student health care perception survey was done in April of 1987. It was conducted as a random sample both in and out of the health center over an eight day period. There were 312 responses to the questionnaire and the results reflected the same high level of student satisfaction with the health center that had been expressed in surveys the previous two years. Ninety two percent of respondents rated the Student Health Center comparable or better than other health facilities

and ninety seven percent would recommend it to others. Ninety seven percent felt they benefited from the treatment they received.

PHARMACY

The pharmacy has been a free standing, self supporting program for the past seven years. This year it was changed from an independent financial unit and was merged into the fiscal structure of the Student Health Center. The merger was very successful and it appears that this is a much more efficient way to function, and we plan to continue this arrangement.

The pharmacy showed a steady growth throughout the year. Total prescriptions filled were 38,942 which is an increase of 8.3% from the previous year and 17.9% from two years past. Some of the increased volume is because the Student Health Center is seeing more patients. The remodeling that occurred this year also greatly enhanced the visibility of the pharmacy and made it much easier to access. It allows more display area for over the counter products and gives patients more room to shop and wait. Additionally, the pharmacy began to allow students to charge merchandise to their university accounts.

MENTAL HEALTH

The Mental Health Service continued to provide high quality Mental Health Services to students during the 1986-1987 Fiscal Year. 7,533 client contacts were made during this past year.

One of the most significant changes during this year was that the Coordinator of the team, Greg Franchini, M.D., left in February 1987 to take a position with the UNM Department of Psychiatry. Edel Hannemann, Ph.D. did an excellent job filling in as Interim Coordinator until a new coordinator, Eva L. Zimmerman, M.D. was hired on 6/15/87.

During the 1986-1987 academic year, four groups were held by the Mental Health Staff which included an Assertiveness Group, a Women in Transition Group, a weekly Support Group for College of Nursing Students and a Self-Hypnosis Learning Group. The Support Group at the College of Nursing was initiated due to the perceived high stress at the College of Nursing. The support group was successful in alleviating some of the stress and in making the Mental Health Service more visible to Nursing Students who might desire to use the services on an individual basis.

The Outreach Program of the Mental Health Team continued to be strong during the 1986-1987 year. The most popular topic was on stress management but several talks on self-esteem, relationships, sexuality, assertiveness and other topics were also provided. Outreach contacts were 350 in the fall semester and 317 in the spring semester. In addition, one of the Mental Health Team Staff members continued to be a liaison to the resident advisors of the dorms and met with them on a regular basis.

IMMUNIZATION INITIATIVE

In the Fall of 1985 the University of New Mexico began a mandatory measles-rubella immunization program. This was initiated because Public Health statistics show that people born between 1957 and 1967 are the most susceptible to acquiring measles, and this age group comprises a large part of our university population. During the past five years there have been measles epidemics on several campuses nationwide with two deaths occurring in Missouri. The first year we required measles immunization we had fairly good compliance and immunized or screened records on approximately 6000 students. During the fall of 1986 we screened and/or immunized an additional 2,000 students.

In February 1987 many cases of measles occurred among high school students in the city of Albuquerque. The University of New Mexico soon had its first case.

In an attempt to prevent a campus wide epidemic, the Student Health Center organized a series of measles/rubella immunization clinics that were held in the dormitories and the student union building. These clinics were in addition to the immunizations that were given continuously at the Student Health Center. We are grateful to the College of Nursing who helped us staff these clinics and allowed us to provide immunizations at locations outside the health center. Measles/Rubella vaccine was provided by the State Health Department and was given free of charge to anyone needing it. Periodic meetings were held

with the State Health Department personnel to evaluate the progress of the immunization program and the epidemic. A total of eight university students contracted measles. One required hospitalization and four who were dorm residents were admitted to our infirmary in order to isolate them and thus prevent further spread of the disease.

During the epidemic (February through April) 1407 measles/rubella vaccines were given and an additional 2000 student records were screened. Since the measles/rubella requirement was initiated in the fall semester of 1985 more than 10,000 records have been reviewed and immunizations updated. In the future we must give serious thought to enforcing the immunization requirement with either disenrollment or a hold on registration. Reacting to an epidemic is a very disruptive and expensive way to manage what should be a preventive process.

LABORATORY

The total number of tests sent to outside laboratories is slightly less than last year, and the actual number of tests performed in the Student Health Center laboratory has increased by more than 500 from fiscal year 85-86.

Chlamydia testing was changed from a fluorescent antibody procedure to a enzyme immunoassay procedure in order to further reduce costs to students. The number of tests have tripled this fiscal year. We are now performing more than 100 tests per month.

A protocol was implemented that assured anonymous testing

for the AIDS antibody. At the same time infection control guidelines were reviewed and the current Public Health Service guidelines for prevention of workplace transmission of infection were implemented.

The laboratory participated in a Herpes culture study with the New Mexico State Laboratory.

All of the technical staff in the laboratory attended at least one of the following workshops. Diagnosis and Monitoring of AIDS 5/14/87, Laboratory Methods in Medical Bacteriology 6/17-18/87, Chlamydia FA workshop, 5 parts, 3 sessions.

HEALTH INSURANCE PROGRAM

The Keystone Insurance Company has provided health insurance coverage to students at the University of New Mexico since 1982. 1986-1987 there were 1,382 students enrolled in the program. This was a decrease of 149 students from the previous year 1985-86. In November, the Keystone Company experienced financial difficulty and went into receivership. They were purchased by and became part of Southwestern States General Agency in January 1987. Since that time, the students insurance claims have been processed through the State of Texas Insurance Department. This has slowed the payment of claims slightly and the students have had more forms to fill out. However, the claims continue to be paid and our insurance agent is monitoring that process.

The Student Health Center Advisory Board and the Student Health Center staff worked together to draw up new health

insurance specifications. The group felt that declining enrollment in the Keystone policy over the past two years reflected the students desire for a more comprehensive policy. Therefore, despite the fact it would mean an increased premium the committee selected a policy with options of \$50,000.00 or \$250,000.00 maximum coverage. Any expenses incurred at the Student Health Center are covered in full. A request for proposal was advertised in March 1987. The Student Advisory Board and the Student Health Staff carefully reviewed the proposals submitted and the qualifications of all the companies involved. The Colonial Penn Life Insurance Company of Philadelphia Pennsylvania, working with the G-M Underwriters of Rochester Michigan, was selected as the new insurance company. We are very excited about this new policy. We feel it offers excellent insurance coverage for an extremely good price, and we are anxious to see if the students like it. Two student groups are now required to carry health insurance; Foreign students and nursing students in clinical training.

The Student Advisory group decided to continue the dental insurance program offered by the Employee Dental Service of New Mexico.

REMODELING

We have had to remodel our building periodically to keep up with the growing demands of patient care. During the 1985-86 FY we experienced a 16% increase in patient contacts and were sorely pressed to open new patient care areas. We had the staff

plan extensively, and they made the following recommendations.

A second floor location being used for computer equipment, supply storage and infirmary beds should be converted to a women's health clinic. Two storage closets should be converted to offices and the physical therapy room should be enlarged. The entrance to the pharmacy should be expanded to provide more shopping space for over the counter products, and the empty area between the Student Health Center and Mesa Vista should be converted to a health education resource room.

We received financial support and administrative approval for these changes and the actual remodeling occurred December through March.

The changes in the building have been very positive and have greatly enhanced our ability to see patients faster and with the aid of fewer support staff. The physical therapist now has enough room to allow a student to participate in therapy on a regular basis, which also increases the number of patients that can be treated each day. Concentrating The Women's Health offices in one area has allowed us to have a more efficient utilization of educational materials and nursing staff. The pharmacy is also much more visible and their sales increased immediately.

AIDS AWARENESS

The medical staff became concerned this year with the increasing number of AIDS cases in this country. The staff realizes it is just a matter of time before we see a significant

number of cases among our population. They felt it was very important to make a strong educational effort immediately since the only defense against this disease is prevention.

AIDS information materials were carefully selected and distributed. The staff gave lectures, did direct counseling about AIDS, and circulated video programs in an attempt to increase the knowledge of the university community. The staff also decided it was important to provide totally anonymous blood testing for the AIDS virus at the Student Health Center.

The director of the Student Health Center is a member of the campus AIDS task force which developed a policy statement for the university concerning the university's response to AIDS and to student/faculty/staff with Acquired Immune Deficiency Syndrome, Aids Related Complex or infection with the AIDS virus. We plan to continue a strong educational program in the coming year.

EDUCATION

The staff continued to show a high commitment to teaching. Eight Family Practice residents and three senior medical students each spent one month at the Student Health Center seeing patients under the supervision of our physicians.

Our physical therapist supervised seven advanced physical therapy students during the year.

Five fifth year pharmacy interns worked in our pharmacy under the supervision of our staff pharmacists.

The Mental Health Service continued to be an active site

for the training of graduate students. A total of seven masters level practicum students trained at the Mental Health Service. These seven graduate students were provided close clinical supervision and training by Mental Health staff members.

One physician assistant trainee completed part of her internship training at the Student Health Center under the supervision of Dr. Kathryn Williams.

The laboratory staff continued their supervision of students in the phlebotomy training program of the Technical Vocational Institute. Also our laboratory staff supervisor serves on the Medical Technician Advisory Committee.

HEALTH EDUCATION

As in the past, Health Education activities included the annual Welcome Back Days health fair, health information tables at the Student Union, orientation seminars for new students and parents, and a variety of presentations for residence halls, classrooms, and student groups. Updating the DIAL-ACCESS health tapes and providing first aid at fun runs were other activities.

In March, the Center's first full-time health education coordinator was hired. Billie Lindsey has a Masters Degree in Health Education and is completing her doctorate in Health and Physical Education from the University of Northern Colorado. Billie has been the director of two other Student Health Education Programs, one at the University of Iowa and the other at Arizona State University.

Under Billie's direction, a student assistance program for alcohol and drug problems has been established; the quantity and quality of health pamphlets and brochures has been increased; and new audiovisual resources have been acquired to use in presentations and workshops. Liaisons have been established with the Dean of Students office, the Residence Halls, other Student Services, several academic departments, the athletic program, and the Wellness Center. Billie has updated the Student Health brochure, had a logo designed for the center, and has developed a health education workshop flyer to promote our increasing number of health presentations. Other major projects have included developing the resource and relaxation room; researching AIDS and the college student; designing new workshops on Safe Sex, controlled drinking, and men's health; updating "old" workshops on nutrition, AIDS, Cocaine, etc., and planning the fall training for Resident Assistants concerning alcohol use and abuse and the services provided by the Student Assistance Program. As always in the discipline of health education, considerable time is spent keeping abreast of current information in the ever-changing health field.

GOALS FOR 1987-1988

1. Provide information about AIDS and its prevention at every available opportunity and through as many mediums as possible.

Acquired Immune Deficiency Syndrome is one of the most

serious public health problems facing universities today. College students are a very sexually active population, engaging in a variety of behaviors which put them at risk for exposure to not only the Human Immunodeficiency Virus (HIV) which can lead to AIDS, but other serious sexually transmitted diseases (STDs). Likewise, there are college students who use or experiment with intravenous drugs - another route of transmission for the AIDS virus.

Because of no vaccine or cure for AIDS, the institutional response continues to be primary prevention. The Student Health Center, with its commitment to the health and well being of University of New Mexico students, has formulated the following plan for 1987-1988 to increase campus awareness and educate about AIDS and its prevention. It is our intent to make information and our services as widely available as possible. Our program will always stress honest, up-to-date information and strive to empower students with the knowledge and skills necessary to prevent transmission of the virus.

- a) Provide free AIDS educational brochures to students, faculty, and staff.
- b) Provide educational presentations on AIDS for classrooms, living units, and student groups.
- c) Include AIDS information in many of the other health-related presentations given by Student

Health staff.

- d) Provide in-service training for student gatekeepers (residence hall assistants, Greek leaders, student government, etc.).
 - e) Use the videotape "AIDS - What Everyone Should Know" in the Student Health Center lobby, in the Union, or for small groups.
 - f) Work with the Lobo for an article or series of articles concerning AIDS.
 - g) Work with the Lobo for possible free public service announcement ads concerning AIDS prevention. Paid advertising if not possible.
 - h) Publish a Student Health newsletter about AIDS.
 - i) Set up health information tables at the Student Union at least once per month and include AIDS pamphlets and the AIDS video.
 - j) Place health education message boards in UNM restrooms and develop or purchase a series of prevention posters.
2. Increase the health education activities of the Student Health Center.
- a) Expand the choice of topics which can be requested from the Student Health Center staff for presentations in classrooms, living units and student groups.
 - b) Open the health resource and relaxation room for student use.

- c) Work closely with the residence halls advisors to help them increase their skills in managing drug and alcohol related problems.
3. Continue to explore the process of accreditation with the Accreditation Association for Ambulatory Health Care.
 4. Implement and promote a student assistance program for alcohol and drug problems.
 5. Explore the pros and cons of enforcing the measles/rubella immunization requirement.
 6. Work with the international student office to help them enforce the health insurance requirement for all foreign students.
 7. Explore the possibility of combining with other universities to provide a more economical health insurance program for students. Explore also the possibilities of having a local hospital agree to provide care for referred students and waive the students usual 20% copayment.

The following health education presentations were given by the staff fiscal year 1986-1987

Student Health Services

7-86/College Enrichment	B. Meyer
7-86/College Enrichment	B. Meyer
7-86/College Enrichment	B. Meyer
7-86/Parents Orientation	B. Meyer
7-86/Parents Orientation	B. Meyer
7-86/Parents Orientation	B. Meyer
7-86/Parents Orientation	B. Meyer
8-86/Parents Orientation	B. Meyer
8-86/Parents Orientation	B. Meyer
1-87/Parents Orientation	B. Meyer
2-16-87/Physical Ed. Class	B. Meyer
5-20-87/Student Orientation	B. Meyer
6-3-87/Parents Orientation	O. Eaton
6-10-87/Parents Orientation	O. Eaton
6-17-87/Parents Orientation	O. Eaton
6-24-87/Parents Orientation	O. Eaton

Student Health Services &
Health Issues Facing College
Students

6-11-87/College Enrichment	B. Lindsey
6-18-87/College Enrichment	B. Lindsey
7-18-86	G. Franchi
10-9-86	L. Davis
10-2-86	E. Hannema
11-3-86	G. Franchi
11-4-86	G. Franchi
11-19-86	L. Davis
2-25/Returning Women	L. Davis

Sexually Transmitted
Diseases

3-24-87/Health Ed. Class	B. Meyers
4-24-87/Health Ed. Class	B. Meyer
6-22-87/Women's Health Class	B. Meyer

Human Sexuality

11-13-86	E. Hannema
3-4-87/Coronado	E. Hannema

Sexual Dysfunction

11-25-86	E. Hannema
3-10-87/Physical Therapy	E. Hannema

The Female Body: An
Owners Manual

4-8-87/Women's Center	B. Meyer
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Patient Teaching in the Perinatology setting	7-86/BCMC 11-86/BCMC 6/87	C. Sprague C. Sprague C. Sprague
Self Esteem	1-29-87/Hokona	E. Hanneman
Relationships	1-24-87/UNM Med School	E. Hanneman
Optimal Living & Life Transitions	3-10-87/Residence Hall Asst.	K. Ruebush
Assertiveness	4-9-87/AGURA	E. Hanneman
Brief Therapy & Psychology Profession	4-14-87/Psychology Class	L. Davis
Psychiatric Emergencies	5-12-87/UNM Med School	L. Davis
Immunizations	8-8/86UNM Med. School	M. Lauer
Exercise, What, Why & How?	9-86/Hokona	D. Coultas
Myofacial Release	4/87/Physical Therapy	D. Coultas
Eating for Optimal Health	6-16/87/Personal Health Class 6-22/87/Wellness Class 6-25/87/Women's Health Class	B. Lindsey B. Lindsey B. Lindsey
AIDS	4-87/School of Architecture	M Geil
Medical Disorders Which Masquerade as Psychiatric Syndromes	10-86/Pacific Coast College Health Assoc. Conference Victoria, B.C., Canada	G. Franchini
Eating Disorders of Female Athletes	3-87/Hazelden-Cork Conference: "Coaching Female Athletes - Today's Issues, tomorrow's Solutions." Chicago Ill.	B. Lindsey

Outside Professional activities of Staff Members include the following:

<u>TOPIC</u>	<u>DATE</u>	<u>NAME</u>
Recent Development in Tuberculosis 1986	10/22-23/86	C. Brown

Southwest Allergy Forum	3/12-13/87-El Paso, TX	C. Brown
Regional American Society Microbiology	10/24/86-Las Cruces, NM	C. Brown
Trauma Update	12/12-13/86	J. Bradl
Myofacial & Craniosacral Therapy Seminar	4/24-26/87	D. Coult
Cardiology Conference	10/24/86	S. Diamon
OB/GYN Conference	3/5-6/87	S. Diamon
Update Internal Medicine	2/27/87	S. Diamon
Trauma & Emergency Work- shop	4/22-23/87	S. Diamon
Cardiovascular Disease "Myocardial Infarction"	9/26/86	O. Eaton
Pacific Coast College Health Assoc. Mtg.	10/6-9/86-Canada	O. Eaton
Advances in Internal Medicine 1987	2/27/87	O. Eaton
American College Health Assoc. Mtg.	5/26-30/87-Chicago	O. Eaton
Basic Physical Assessment	1/24/87	C. Furry
Trauma Update '86	12/12/86	J. Geil
Infectious Disease in NM	2/20/87	J. Geil
Trauma Update '86	12/12-13/86	D. Jackso
Presby Hospital Anorexia- bulemia Program Series	11/06/86	D. Jackso
OB/GYN Conference	3/5-6/87	D. Jackso
Ortho for Primary Care Physicians	4/24/87	D. Jackso
Ortho Alumni Seminar	6/05/87	D. Jackso
AAFP National Convention	9/29-30/86 - Washington, DC	V. Jiron
14th Annual Symposium on Sports Medicine	1/24-31/87 - San Antonio	V. Jiron

Primary Care Update '86	10/23-24/86	R. Kie
Immunization Update	3/31/87	M. Lauer
Communicable Disease	10/30/86	M. Lauer
American College Health Assoc. Mtg.	5/26-30/87 - Chicago	B. Lindsey
Immunization Update	3/31/87	P. Manning
Communicable Disease Tuberculosis -Hepatitis	10/30/86 - VA Hospital	P. Manning
AIDS Conference	6/17-18/87 - Convention Center	P. Manning
Physical Assessment	1/17/87	S. Morey-Eh
AIDS	6/27/87	S. Morey-Eh
Cardiac Assessment	5/30/87	S. Morey-Eh
Annual P.A. Conference	10/23-25/86	M. Moffitt
American College Health Assoc. Mtg.	5/26-30/87-Chicago	M. Moffitt
Pacific Coast College Health Assoc. Mtg.	10/6-9/87-Canada	J. Parker
American College Health Association Mtg.	5/26-30/87-Chicago	J. Parker
UNM Health Promotion/Wellness Ctr. Retreat	9/9/86-Jemez	P. Phibbs
Changing Healthcare Systems Will Nutrition Services Survive	9/12/86	P. Phibbs
NM Wellness Assoc. Conf.	3/13/87	P. Phibbs
Calcium & Bone Health	4/9/87	P. Phibbs
NM Dietetic Assoc. Conf.	5/6-8/87	P. Phibbs
Win By Losing Prog. Update	6/12/87	P. Phibbs
Immunization Update	3/31/87	P. Phibbs
Primary Care Update '86	10/23-25/86-BCMC	K. Sabrowski

Annual P.A. Conference	10/23-25/86	A. Swain
Primary Care Eye Problems	10/3-4/86	A. Swain
Common Eye Problems in Primary Care	10/3-4/86	R. Velas
Infectious Disease in NM ACLS, CPR Recertification Instruction	7/13-14/87	R. Velas
5th Alb. Family Practice Seminar	1/23/87	K. Willi
Advances in Internal Med.	2/27-28/87	K. Willi
20th Annual OB-/GYN Seminar	3/5-7/87	K. Willi

MENTAL HEALTH SERVICE PARTICIPATION IN CONTINUING EDUCATION

H. Blake	"Diagnosis and Treatment of Personality Disorders" UNM Medical School, Psychiatric Medical Association of New Mexico CPR Recertification	8/6/86 10/22/86
	Presbyterian Hospital Center "Assessments of Strengths and Disabilities of the Mentally Ill" Charter Sunrise Hospital	1/15/87
	"Polypharmacy: A Review of the Current Literature" Vista Sandia Hospital Psychiatric Medical Association Annual Meeting	4/2/87 4/4 - 4/5/87
	Member: Confidentiality Committee Attended committee meeting as well as seminars.	
	"Loss Control" Seminar NM Physicians' Mutual Liability Company, NM Medical Society	5/7 - 5/8/87
	Rorschach Course and Workshop NM Medical Society	5/16, 5/23, 5/30/87
	Rorschach course and Workshop NM Medical Society	6/6, 6/13, 6/20/87
	Psychiatric Update American Medical Association (Six tapes through June) NM Medical Society Student Mental Health Team Inservices	June 1987
L. Davis	"Short-Term Psychotherapies for Depression" New Mexico Psychological Association	8/12 - 8/13/86

- "The Mother-Daughter Relationship: 10/30 -
 Visions and Revisions" 10/31/86
 Menniger Foundation
 Topeka, Kansas
- "Psychotherapeutic Interventions 3/19 -
 with Hispanic and Native American 3/20/87
 Children, Adolescents and Families"
 University of New Mexico
- "The Taste for Mastery, Self Love 5/2/87
 Vs. Self-Esteem, Science and
 Religion"
 First Presbyterian Church
 Psychiatry Grand Rounds 9/86-6/87
 UNM Department of Psychiatry
 Student Mental Health Team Inservices
- E. Hannemann
- "Short-Term Psychotherapies for 8/12 -
 Depression" 8/13/86
 New Mexico Psychological
 Association
- "Psychotherapeutic Interventions 3/19 -
 with Hispanic and Native American 3/20/87
 Children, Adolescents and Families
 University of New Mexico
 Psychiatry Grand Rounds 9/86-6/87
 UNM Department of Psychiatry
 Student Mental Health Team Inservices
- C. Jenkins
- "Focus of the Family" Conference
 "Alcohol Inservice" - Jim Kelly
 Student Health Center
 "Sexuality Inservice"
 Student Health Center
 Clinical Neuropsychology Class Spring '87
 University of New Mexico
 Psychiatry Grand Rounds 9/86-6/87
 UNM Department of Psychiatry
 Student Mental Health Team Inservices
- H. Johns
- Psychiatry Grand Rounds 9/86-6/87
 UNM Department of Psychiatry
 One time/month
 Student Mental Health Team Inservices
- S. McKee
- NM Aids Services Volunteer Training 8/2/87
 NM Aids Services
 Jungian Film Festival 11/86
 Santa Fe, New Mexico
 "Gestalt Approach to Group 11/21/86
 Psychotherapy"
 NM Group Psychotherapy Society
 "Adult Children of Dysfunctional 3/5 -
 Families" 3/7/87

	Santa Fe, New Mexico	
	"Directive Therapy"	3/28 -
	Family Therapy Institute	3/29/87
	Student Mental Health Team Inservices	
K. Ruebush	"The Mother-Daughter Relationship: Visions and Revisions"	10/30 - 10/31/86
	Menniger Foundation Topeka, Kansas	
	"Psychotherapeutic Issues of the '80s"	5/1/87
	Psychiatric Outpatient Centers of the Americas Sarasota, Florida	
	"Treatment of Children and Adolescents Symposium"	6/5/87
	UNM Department of Psychiatry Psychiatry Grand Rounds	9/86-6/87
	UNM Department of Psychiatry Student Mental Health Team Inservices	
J. Schwehn	"Brief Psychotherapy" - John Weakland	2/20/87
	Statistical Design and Analysis Class	Summer '86
	University of New Mexico Vocational Counseling Class	Summer '86
	University of New Mexico Multi-cultural Issues in Counseling Class	Fall '86
	University of New Mexico Dissertation Seminar	Fall '86
	University of New Mexico Family Psychotherapy Class	Spring '87
	University of New Mexico Seminar in Cognitive Development	Spring '87
	University of New Mexico	

INSERVICES

September 23, 1986	Speaker:	Linda Cumberland Anna Kaseman Hospital Eating Disorder Program
September 30, 1986	Speaker	Cynthia Goldblatt Office of the Medical Investigator
	Topic	Grief Process-Grief Intervention
November 19, 1987	Speaker	Marion Winiski Family Recovery Center
	Topic	Alcoholism and the Family What Professionals Can Do

January 27, 1987	Speaker	Eve Morrow University College
	Topic	University College Counseling Program
February 2, 1987	Speaker	Bill Fishburn University College
	Topic	University College Counseling Program
February 17, 1987	Speaker	Antonio Mondragon Hispanic Student Services Center
	Topic	Hispanic Student Services
February 26, 1987	Speaker	Elena Avilla Rape Crisis Center
	Topic	Rape Crisis Information
March 10, 1987	Speaker	Virginia Capon Student Mental Health Center
	Topic	Relaxation and Self-Hypnosis
March 24, 1987	Speaker	Michael Dougher Psychology Clinic
	Topic	Sex Offenders Treatment Program
March 31, 1987	Speaker	Theodore Jajola Native American Studies Center
	Topic	Native American Studies

APPOINTMENTS TO STAFF (Permanent positions only)

Dolores Baca, CSV	06/22/87
Susan Diamond, M.D.	08/11/86
Millie Lindsev, Health Education Coordinator	03/01/87
Shireen McDonald, CSV	06/15/87
Nellie Pacheco, RN	11/03/86
Karen Ruebush, SIII	07/21/86
Joanne Rufert, RN	07/21/86
Eva Zimmerman, M.D.	06/15/87

SEPARATIONS (Permanent positions only)

Denise Aracon, CSV	05/01/87
Greg Franchini, M.D.	02/06/87
Gloria Johansen, RN	09/30/87
Gladys Lehman, NP II	06/28/87
Savannah Carter, Med Tech I	11/07/86
Cheryl Jenkins, SWIII	05/19/87

STUDENT HEALTH CENTER PERMANENT STAFF

PHYSICIANS

Claude Brown, M.D., M.P.H.
 Vivian Jiron, M.D.
 James Geil, M.D.
 Dennis Jackson, M.D.
 Susan Diamond, M.D.
 Ricardo Velasquez, M.D.
 Kathryn Williams, M.D.

PHYSICIAN ASSISTANTS

Alan Campbell, PA
 Ann Craig, PA
 Ruth Kie, PA
 Raymond Galley, PA

NURSE PRACTITIONER

Art Swain, FNP
 Bennette Meyer, COGNP
 Marion Lauer, ANP
 Connie Rossignol, COGNP

REGISTERED NURSES

Jayne Bradley, RN
 Catherine Furry, RN
 Caren Sprague, RN
 Pat Manning, RN
 Penny Phibbs, RN
 Romaine Swarts, RN
 Karen Sabrowski, RN
 Joanne Rufert, RN
 Susan Morey-Ehlen, RN
 Marion Daley, RN
 Nellie Pacheco, RN

PHYSICAL THERAPIST

Diane Coultas, B.S., MA., P.T.

ADMINISTRATION

Olga M. Eaton, M.D., Director
 Jan Randolph, Assistant Director
 Eva Zimmerman, M.D., Coord/Mental Health
 Service
 Malinda Moffitt, PA, Nurse Supervisor
 Etna Chavez, Program Support Specialist I
 Veronica Sanchez, Dept. Secretary

OFFICE AND MEDICAL
RECORDS

Pauline Duran, Office Manager
 Terry Padilla, Clerical Spec. V
 Holly Vigil, Clerical Spec. V
 Denise Aragon, Clerical Spec. V

MENTAL HEALTH SERVICE

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Henry Blake, M.D.
Lee Davis, Ph.D.
Cheryl Jenkins, Ph.D.
Edel Hanneman, Ph.D.
Harry Johns, Social Worker III
Karen Ruebush, Ph.D.
Jeff Schwehn, Social Worker III
Carmelita Fernando, Dept. Secy.

NUTRITIONIST

Linda Hutchins, R.D.

NURSES AIDE

Cathy Pearson

HEALTH EDUCATION

Billie Lindsey

LABORATORY

Mary Beth Frankenfeld, Med. Tech. III
Kristin Brusuelas, Lab. Tech. I
Michelle Seubert, Med. Tech.

X-RAY

Brenda Cordova

PHARMACY

James Parker, R.Ph., Director
Michael Lyons, R.Ph.
Janet Samberson, R.Ph.
Susan Newman, CS V

CONSULTANTS

Neurology:	Edoardo Crisostomo, M.D.
Endocrinology:	Neil Kaminsky, M.D.
Surgery:	Linda Smith, M.D.
Urology:	Donald Kettwich, M.D.
Orthopedics:	Harry Maron, M.D.
Dermatology:	Wm. Willis, M.D. Walter Burdorf, M.D. Eduardo Ischien, M.D.
OB/GYN:	Ronald Deyhle, M.D.
Allergy:	Bruce Feldman, M.D. Richard Field, M.D. Ronald Rosandich, M.D.
Dental:	Robert Gherardi, D.DS
Podiatry:	Robert Parks, DPM

ANNUAL REPORT 1986 - 1987

The Women's Center

University of New Mexico

The goals and objectives of the Women's Center for 1986-87 focused on moving the Center from it's fourteen year old location at 1824 Las Lomas, NE to 1160 Mesa Vista Hall. It was important to accomplish this with some semblance of order and to establish the Center quickly in order to begin the 1986-87 year smoothly.

HIGHLIGHTS 1986-87

The Move - July 1986

Campus Lecture: Dr. Elizabeth Fennema

University of Wisconsin

"Gender-related Differences in Mathematics: Is it a Problem?"

Programs: Discovering Your Personal Interaction Style (October)
 Women and AIDS (September)
 Women and Addictive Relationships (October)
 Financial Strategies for Women (3 sessions in October)
 Body Image (October)
 Tax Workshop (February)
 Brown Bag Lunch: Fall, new women faculty lectures,
 Spring, film series
 Colloquium for Research on Women (March)
 Women's Wellness Series (Spring)

- Workshops: Dealing with Anger (Fall)
- Stress Management for Women's Realities (Fall and Spring)
- Test Anxiety (Fall and Spring)
- Developing an Assertive Style (Fall and Spring)
- Emerging Woman Group (Spring)
- Support Groups: Anorexia-Nerosa and Bulimia Self-Help Group
(two semesters)
- Incest Survivors Anonymous (two semesters)
- Co-dependency Support Group

A STATEMENT ABOUT THE MOVE

TIMES CHANGE - SO DOES THE WOMEN'S CENTER

After more than a decade of holding down a corner of the world at Las Lomas and Yale, the Center has been relocated to Mesa Vista Hall--just north of the Health Center and west of the swimming pool.

Moving from a place where we had been planted and were firmly rooted was both wrenching and exciting. The discussion about the move began in 1983. Various UNM plans have predicted the removal of the old house on Las Lomas and Roma (historic preservation status was fought for and lost in the mid 70's) to make room for building in the future. The new space which the Center occupies duplicates, with some variation, the space at 1824 Las Lomas. Renovation and new furniture give it a wonderful new look. Once again Women Studies and Women's Center are closely allied in location--for you history buffs, you'll note the juxtaposition, Women Studies is upstairs and the Center is downstairs.

Eighteen--twenty-four Las Lomas has a rich and traditional Women's Center history. She was the physical symbol of the merging of the community womens' movement and the needs of the university women, disenfranchised for centuries from true educational equity, made tentative then full-hearted leaps into their education. As the phenomenon of the adult woman student hit the campuses in the 70's, UNM's Women's Center was there to assist, encourage and help

redirect people's lives. Women's Centers on campuses everywhere symbolized a place where women, oppressed in many ways, could be supported in their quest for education and the ability to make choices about their lives. UNM can be justly proud of its Center, one of the first and best established in the nation.

Visualize a ground swell of energy and emotion, courage and new beginnings, as papers, furniture, paintings and people were moved to the new location at 1160 Mesa Vista. Some things will change, some things won't. The Army ROTC is temporarily finding space in the old Center, but the life that was the vitality of 1824 has moved to Mesa Vista; what the Center stood for, educational equity, will continue.

Shared Space

The move from the Las Lomas/Roma area was a hectic time for all the Centers. However the American Indian Student Services (then Native American Student Services) were faced with their new space not being completed when their neighbors moved. In order to facilitate their move they shared two rooms in the new Women's Center from late August until early April. It was a cozy but productive time for all concerned if not just a little frantic at times.

Women's Center Program Area ReportsPrograms

Following guidelines established in 1984 the Center schedules one major event a year and several smaller less expensive programs. Since the move was scheduled for mid-summer the lecture by Dr. Elizabeth Fennema was planned for the second semester.

Professor Fennema is a leading scholar in the area of sex-related differences in mathematics. Her publications since the early 1970s have had major impact on the field of mathematics education and have been the basis for development of numerous programs for mathematics education for girls and women. Sponsored in conjunction with Graduate Studies, ASUNM and GSA the program in Woodward Hall attracted about 200 UNM and community educators. The informal seminar attracted fifty-five people, twelve of them math teachers from APS. A smaller luncheon following this seminar included two APS administrators.

The Discovering Your Personal Interaction Style workshop on October 4 was planned as a small, personal, intensive three-hour workshop and had twelve participants. This workshop was lead by Marie Alexander, a Denver, Colorado, Management Consultant.

Programs and workshops such as Women and AIDS, Women and Addictive Relationships, Financial Strategies for Women, Body Images were all lead by professionals from the community who volunteered their time. Attendance figures are reported in the counseling and workshop statistics.

Brown Bag attendance was extremely low, never more than five to seven people. Even with the new proximity to Womens Studies this was disappointing. Although several factors appeared relevant including the new (and somewhat unknown) location the primary factor seemed to be that people needed to park to attend and could not. Given the growing number of luncheon speakers with topics of interest to women this aspect of the program will be evaluated prior to 1987-88.

Counseling

Counseling, both individual and group, is a major component of the Center. Over the years the focus has changed as the Center moved from seeing community clients to now serving only University related student, faculty and staff. After evaluating the services in 1983-84 the decision was made not to focus on Career Counseling since that is done well by Career Services. The primary focus now is to assist both the traditional age student and the non-traditional age woman student to pull her life together so that she can complete her college education and plan her future.

The statistics reported below indicate the number of people reached by this service. Several changes in registration policy were instituted this year including registration by phone. This was necessitated by the fact that people could not park and run into the Center to register as they have in the past.

A small drop in numbers was noted around the time of the move, but the number of clients soon recovered and in fact rose after the center was firmly reestablished.

The success of this function is measured not in numbers alone but by the steady personal and written Thank You's that are received from clients who have been assisted by the staff and are living more successfully as a result.

Four-Year Comparison Table

Women's Center Counseling Service		83-84	84-85	85-86 before	86-87 after
Summer	Individual - Re-entry vocational	18 20	23	44	30
	Personal	14	58	31	18
	Practicum clients	30	N/A	N/A	N/A
	Workshop/Group - Staff Facilitation	22	39	N/A	N/A
	Non-Staff	N/A	N/A	N/A	N/A
Fall	Individual - Re-entry vocational	35 40	61	34	46
	Personal	40	36	31	53
	Practicum Clients (if appl)	10	15	20 ⁵⁰	N/A
	Workshop/Group - Staff Facilitation	85	29	33	68
	Practicum	N/A	N/A	N/A	N/A
	Special Series	N/A	Family 76	Family 54	N/A
Spring	Individual - Re-entry vocational	6 32	42	24	28
	Personal	51	28	35	52
	Practicum Clients (if appl)	N/A	14	22	5
	Workshop/Group - Staff Facilitation	69	53	53	102
	Practicum	N/A	N/A	N/A	N/A
	Non-Staff Facilitator	77	25	28	6
Special Series	N/A	N/A	Health 161	Health 135	

During Move

1986-87 Individual Counseling Clients

SPRING 1986 (Oct 27 to Aug 10) INDIVIDUAL CLIENTS	Re-Entry	Undergraduate	Graduate	Non-Degree	Continuing Education	Staff	Faculty	Alumni	Related to UNM Person	Community	High School	Men	TOTAL
RE-ENTRY/ACADEMIC STAFF	21	3				5							30
PERSONAL		2	7	2		2		3		2			18
TOTAL	21	5	7	2		7		3		2			48

FALL 1986 (Sept 20 to Aug 20) INDIVIDUAL CLIENTS	Re-Entry	Undergraduate	Graduate	Non-Degree	Continuing Education	Staff	Faculty	Alumni	Related to UNM Person	Community	High School	Men	TOTAL
RE-ENTRY/ACADEMIC	11	8		4		3							26
PERSONAL	1	20	11	7		7	2	2		2			53
TOTAL	12	28	11	11		10	2	2		2			79

SPRING 1987 INDIVIDUAL CLIENTS STAFF	Re-Entry	Undergraduate	Graduate	Non-Degree	Continuing Education	Staff	Faculty	Alumni	Related to UNM Person	Community	High School	Men	TOTAL
RE-ENTRY/ACADEMIC	21	6	1										28
PERSONAL	2	22	13	3		5	4		1				52
DEPARTMENT REPORT (Unlabeled 1987) Teeter Scholt	1	3				1							5
TOTAL	24	31	14	3		6	4		1				85

Counseling and Workshop Statistics Fall, 1986

FALL 1986 WORKSHOPS AND GROUPS	Re-entry	Students	Staff	Faculty	Alumni	Community	High School Students	Men	TOTAL
STAFF:									
DEALING WITH ANGER		5	2	1		4 (3 dropped)			12
Stress Management- Evening Stress Management-Noon (10 signed up)		4 1	2 1	1		8 2			15 4
Assertiveness Training (limited to UNH)		9	6		1				16
Test Anxiety (3 sessions)		20				1			21
STAFF TOTAL		39	11	2	1	15			68
NON-STAFF FACILITATION									
Body Image		6	8		1	8			23
Women and Addictive Relationships		9	4			11			24
Financial Strategies		6	3			6			15
NON-STAFF TOTAL		21	15		1	25			62
CENTER TOTAL		60	26	2	2	40			130

Counseling and Workshop Statistics Spring, 1987

SPRING 1987 WORKSHOPS AND GROUPS	Re-entry	Students	Staff	Faculty	Alumni	Community	High School Students	Men	TOTAL
STAFF:									
TEST ANXIETY 4 Women's Center workshops 2 Returning Students Assoc.		46	4			4			54
STRESS MANAGEMENT 2 Women's Center workshops		5	3	1		4			13
STRESS MANAGEMENT Special Presentation for Dorm R.A.'s		14							14
ASSERTIVENESS TRAINING (limited to UNM)		7	3						10
Practicum EMERGING WOMAN GROUP Maddie Ziegler, Terry Raloff		5	2	1		3			11
STAFF TOTAL		77	12	2		11			102
TAX LAW CHANGES Pat Elliot (had to be postponed due	*****	***** BREAKDOWN NOT AVAILABLE *****		*****		*****			6
		to illness, then weather was very bad when rescheduled)							
HEALTH SERIES - 12 presentations		57	18	2		47			135

Campus Outreach/Advocacy

The Women's Center regularly participates in UNM activities which orient students to campus life and activities. The Center participated in Welcome Back Daze in the Fall and New Student Orientation Day second semester. The Center staff was also present for Senior Day and Parents Day.

The Counselor and Director are routinely invited to lecture to a wide variety of University classes on sexual harassment, domestic violence and abuse, incest, general therapy issues for women and on the Center itself.

The Director chaired the task force on Sexual Harassment. Originally appointed in 1985 by President Farer the task force had submitted material to the University Counsel's office for re-writing. After President May's appointment the task force was regenerated. The University Counsel's office assigned the Institute of Public Law to work with the task force allowing them to move ahead.

During 1986-87 the Center Director saw twelve clients regarding sexual harassment. Three serious cases were negotiated by the Director in conjunction with Deans and Department chairs.

The startling announcement of the dropping of Women's Basketball directly involved the Center in assisting a number of players with decisions about their future. Both the Director and the Counselor worked with players, coaches and parents during this time.

Community Outreach

The Center participates in a number of community-wide events. The Director served on the Steering Committee for the Governor's Career Development Conference as an alternate to Vice President Jaramillo and was appointed to the Workshop Committee. The Counselor worked with the Wellness Center in developing programs and co-sponsoring the Women's Wellness Series. The Center co-sponsored an information session on AAUW fellowships in October and a program on pay equity with the Commission on the Status of Women in May.

Women's Center Staff 1986-87

Director: Kathryn H. Brooks, M.A. University of New Mexico,
Instructor, Women's Studies Program. Joined Staff
in August, 1979.

Counselor: Landra White, M.A. University of New Mexico
Joined staff in October 1975.

Staff Assistant: Lynne Wagner, R.N. Long Island College of
Nursing. Joined Staff in July, 1984.
Position reclassified May, 1985.

Senior Student Staff:(Workstudy) Marikay Ramsey (5/86 - 6/87)
Sherry Casadas (5/86 -)
Patricia Robinson

Short-term work-study Staff: Patricia Brown, Annette Paez,
Olga Archilla, Kari Johnson,
La Rue Medina.

Committee Participation

- Director: Kathryn H. Brooks
- Campus: Sexual Harassment Task Force, Chair
 Women Studies Advisory Board
 Counseling and Referral Services (CARS)
 Life Skills Committee
 Faculty and Professional Women Association -
 Steering Committee
 Colloquium for Research on Women - Planning
 Committee
 Adult Re-entry Committee
 UNM-TVI Liason Committee
 Affirmative Action Committee
- Community: Governor's Career Development Conference - Steering
 Committee, Workshop Committee
- Regional/Natl: National Association of Women Deans, Admini-
 strators and Counselors - Women's Center Liason
 Committee in Baltimore, Maryland
 National Women's Studies Association - Chaired
 Women's Center Preconference Session in Atlanta,
 co-chair, Feminist Scholarship Task Force
 HERS/West: State Facilitator for New Mexico
- Publications: "From theory to practice: building math confi-
 dence by overcoming math anxiety" with Lyn Taylor.
Adult Literacy and Basic Education 10(1)1986.

Counselor: Landra White

Campus: Non-traditional Student Orientation

 Academic Advisor

 Life Skills Committee

 Returning Student Association, Faculty Advisor

Community: Albuquerque Shelter for Victims of Domestic

 Violence - Board of Directors, Secretary

Future Plans and Continuing Concerns

- * After a year of reestablishing the Center in the new location the major concern for the future is to bring the office to at least word processing capacity but preferably a more sophisticated system which would free valuable staff time for program assistance.
- * A major goal for 1987-88 is to finalize the Sexual Harassment procedures.
- * Establish a predictable budget process which includes both merit plans for staff evaluation and alternatives for the Center in terms of budget decline. The schizophrenic process used during March 1987 was time consuming, demoralizing to staff, divisive to the units and counterproductive.
- * Prioritize the activities the Center offers to maximize services without burning out the staff as revenue declines and no new staffing is available.

STATEMENT OF PURPOSE

ADOPTED BY THE ADVISORY COMMITTEE FOR THE WOMEN'S CENTER
May 1980

The purpose of the Women's Center at the University of New Mexico is to improve the status of women and provide services for women in the academic community.

The goals of the Center are:

1. To make a concerted effort to act upon the needs of minority women;
2. To provide support systems and communication networks for women on campus.
3. To increase public awareness of the current and changing state of women.

The goals reflect the Advisory Committee's view of the Center's role on the campus for the next several years. To achieve these goals we have identified several specific objectives that will establish a framework for efforts to meet the goals.

Our first goal as stated is "to make a concerted effort to act upon the needs of minority women." The objectives include:

1. Meeting regularly with representatives of the UNM ethnic centers and providing administrative support and consultation on projects when requested.
2. Providing Center services to individual minority women.
3. Participating in the network of organizations serving minority women in the community.

Our second goal is "to provide access to support systems and communication networks for women on campus." The objectives include:

1. Maintaining liaison with campus offices and organizations which have an impact on women.
2. Monitoring University decisions that affect the status and achievement of women on campus.
3. Providing Center services to individual women students, staff and faculty.
4. Providing a foundation for women to organize around specific issues and needs.

The third goal is "to increase public awareness of the current and changing state of women." The objectives include:

1. Publicizing services, events and issues of concern to women on campus.
2. Providing forums that encourage research and discussion of women's issues and needs.
3. Sponsoring workshops and lectures addressing women's issues and needs.
4. Maintaining a special-interest library and reference collection.
5. Participating in the network of organizations serving women.

Women's Center

ANNUAL REPORT OF THE ROBERT O. ANDERSON SCHOOLS OF MANAGEMENT

1986-87

RAY RADOSEVICH, DEAN

1. GENERAL INFORMATION

The most significant accomplishment for the Anderson Schools of Management during the last academic year was the review and acceptance of a five-year strategic plan by the Central Administration. This effort now allows the ASM to plan programs and seek community support for these programs with the assurance that sufficient resources will be available to offer them. The commitment of four or five new faculty positions per year as long as enrollment projections are met will permit significant growth and diversification of offerings by management programs that were previously severely constrained by resources.

The second major accomplishment was the new building and the remodeling of the old building. This effectively doubles our space and should be adequate for growth anticipated during the next four years. Recognizing the leadtime for additions and renovations, we should start planning now for an addition with faculty offices and classrooms to the west side of the new building if it is to be available when needed in 1992.

Faculty recruiting remains a critical issue to the achievement of the strategic plan. On average, there are about eight positions available in nationally accredited schools (one-fourth of all schools) for every graduate of a qualified doctoral program

in management. Offers are increasing about 8-9 percent per year on base salaries with summer stipends for research equaling two-ninths of base at the better schools. ASM will have to be competitive next year on the base salary and on the support for travel, research support, etc., if we are to recruit ten new positions. We will have four retirements; we lost two junior faculty to noncompetitive salary situations; we have four new positions and we may start recruiting for the Banking Chair.

The ASM had an excellent year in recruiting of new faculty, particularly in the quality dimension. Faculty who were trained at Berkeley, North Carolina, Minnesota and Arizona were attracted to ASM. Their qualifications are described in more detail below; however, it should be noted in summary that this is the highest level of schools from which we have recruited in many years. This success can be largely attributed to the number of endowed faculty positions which were raised in the first UNM capital campaign and which are being competitively awarded within ASM on a three-year rotating basis (allowing reassignments to incumbents on a performance basis).

We have expanded the management capacity of the ASM by replacing Associate Dean Rod Lievano, who returned to a faculty position, with two associate deans -- Dr. Dwight Grant as Associate Dean for Academic Development and Dr. Suleiman Kassicieh as Associate Dean for Academic Administration. As the ASM grows significantly in size and program diversification over the next five

years, systems and procedures must replace many of the informal processes used to manage in the past.

At the undergraduate level, new concentrations in Travel and Tourism and in Production and Operations Management are very popular and surpassing projections for enrollments. Programs for Real Estate and Entrepreneurship and Small Business have been planned and will be offered as soon as faculty can be recruited. Associate Dean Grant will be leading the program development efforts to introduce these new concentrations. He will also be working with the Acting Director of Public Administration, Dr. Lee Brown, to determine whether or not a merger of P.A. and the ASM is to be effected and what degree of integration of programs would be appropriate if such a merger is to occur. An additional high priority assignment for Dean Grant is the reinstatement of the Ph.D. program. There has been a moratorium on admissions to the program for six years because of lack of resources and because the program was in International Management only. To be competitive, the ASM must offer concentrations in traditional areas such as finance, management information systems, accounting, etc. The Ph.D. program will be necessary if we are to be successful in recruiting new faculty and will also assist us in resolving our inordinate reliance upon part time faculty.

In the last year, the curriculum of the MBA program was redesigned and the undergraduate curriculum is being addressed this year. The new MBA curriculum is more flexible, will be more attractive to students who might otherwise choose proprietary MBA

programs, and will facilitate the eventual initiation of a cohort MBA program which will be more attractive to potential candidates from out of state who would be attending the program on a full time basis.

In the last year, schedules were reviewed for offerings of required undergraduate courses to determine the feasibility of offering a trial evening BBA program. More courses are now available from ASM and we continue to work with the Director of Evening Programs to institute the required prerequisites -- primarily in Arts and Sciences.

In the last two years, significantly greater efforts and incentives have been directed toward research productivity. Although small, several sponsored research contracts in expert systems and artificial intelligence have been conducted with Sandia Labs. A new research symposia series has been instituted. Private monies have been raised for support of summer research grants. Endowed positions were first named in accounting in the Spring semester. A working paper and research reprints series has been planned. Most importantly, new faculty with new forms of research productivity have affected the performance of many existing faculty such that intrinsic potential is now being reached. Teaching loads allowing greater specialization in either teaching or research are gradually encouraging faculty to seek their comparative advantage. The second year of performance review based exclusively on productivity has started to rekindle the motives of

people who were good researchers in the past but who got little recognition for it. The next several years are likely to see these trends continue, especially with the emphasis now placed on securing sponsored research.

The successful accomplishment of the strategic plan will obviously depend on private as well as state support. Fund raising last year was hampered by the preoccupation with securing payment on capital pledges from the UNM campaign. During the 1987-8 academic year, fund raising from the private sector will be a major activity of the ASM Dean in close collaboration with the Development Office. Activities designed to enhance relationships with the business community were highly successful last year and help build a base of friends who will be instrumental in future fund raising. Senior Management Briefings for ASM Affiliate Members included presentations by Frank Borman and Fred Harmon, President of the American Management Association. The New Mexico School of Banking, the Technological Innovation Center, the Small Business Institute and other community assistance programs also built better relationships.

In summary, last year was a year of continued strengthening of the ASM resources and programs. Enrollments increased along the secular patterns familiar to the Schools. Research productivity increased substantially. Internal reorganization and the implementation of many new policies and administrative systems have positioned the Schools for a period of significant growth and programmatic diversification.

2. EVENTS OF NOTE

A. CAREER PLANNING AND PLACEMENT OFFICE (John Warner, Assistant Dean)

ASM hired Carol Peters to run the ASM Career Planning and Placement office, on a 20 hour per week basis (Monday through Friday mornings). This service will become effective Fall semester 1987.

During the past year ASM has worked with the central career planning and placement office to coordinate campus recruiter visits, student sign-up activities, etc. Numerous ASM and prospective students have been counseled and screened for internship and co-op opportunities. This is done in cooperation with the co-op office at the College of Engineering as well as centralized career planning and placement.

Other activities include a direct mail campaign to develop new jobs with regional recruiters, and the development of a student career resource packet including a job search manual.

The first annual ASM school-wide career symposium was held April 9, 1987. The symposium was a rousing success, attracting approximately 30 companies and organizations as well as 200 ASM students. The day included a keynote speaker, Mr. Fred Harmon, from the American Management Association as well as panels of speakers from various industries highlighting trends and forecasts for their industries. ASM also participated in UNM-wide career fairs.

B. STUDENT RECRUITMENT (John Warner, Assistant Dean)

There were several visits throughout the year to various schools in New Mexico for the purpose of presentations to prospective students, meetings with counselors, class presentations, career fairs, etc. Several of the visits were developed in conjunction with the Office of School Relations at UNM. Specific visits were made to high schools in Albuquerque, Farmington, Aztec, Bloomfield, Ruidoso, Silver City and Bayard Cobre. The assistant dean was also active in presentations at high school reception programs honoring the top ten percent high school students in and around the Albuquerque area.

Mr. Warner visited Austin, Texas, to be a keynote speaker at a symposium on fund raising and development activities. While in Austin, he also visited the University of Texas campus to develop contacts and ideas for student recruitment and placement activities.

He also visited the New Mexico Tech campus in Socorro and Fort Lewis College in Durango to recruit students to the ASM MBA program.

A direct letter campaign, a home visitation program and phone-a-thon were conducted for prospective ASM students. The campaign is done annually in the Fall semester. The home visitation program and phone-a-thon were coordinated through the Office of School Relations.

The assistant dean participated in a counseling program

for prospective ASM students. He saw dozens of students who needed additional information or had questions above and beyond initial contact with the ASM student advisors. He presented briefings to UNM University College advisors and staff to develop a closer liaison for recruiting University College students to ASM.

C. FUND RAISING AND DEVELOPMENT (John Warner, Assistant Dean)

The assistant dean's office coordinated the 1986 Alumni drive. This drive was quite successful in that it raised over \$11,000 from over 200 individual contributors. The alumni drive was spearheaded by a two week phone-a-thon in which ASM alums contacted their colleagues to obtain donations to the Anderson Schools. The assistant dean's office is also the primary coordination point for the Schools of Management Foundation affiliate program. In addition, the SOM Foundation programs such as Professorial Partners, etc., are to be coordinated through the office of the assistant dean.

The office of the assistant dean also coordinates the ASM donor recognition program. This program includes recording all cash receipts, follow-up letters, gifts, etc., that are needed to insure proper receipt and recognition of gifts to ASM.

As a means of donor appreciation, ASM hosted a Senior Management Briefing with Colonel Frank Borman on February 5, 1987. About 150 school supporters attended. Colonel Borman, who recently resigned as President of Eastern Airlines, also

spent time with 25 of the state's top leaders, including former U.S. Senator Harrison Schmitt, Albuquerque Journal and Tribune Editors Jerry Crawford and Tim Gallagher (respectively), and UNM Regent Robert Sanchez.

D. VOLUNTEER ORGANIZATIONS (John Warner, Assistant Dean)

ASM Advisory Council. The ASM Advisory Council during the past year was coordinated by a new chairperson, Mr. Lee Bray of Sandia Laboratories. Advisory Council committees assisted with the ASM newsletter, helped coordinate several alumni activities, and helped redirect the activities of the council.

One of the most important activities that the council undertook during the past year was the adaptation and salesmanship of the ASM five year plan. The ASM Advisory Council met with President May and members of the UNM central administration to enlist support of the ASM five year plan. Members of the Advisory Council are:

Mr. Bruce Seligman, Mr. Robert Wertheim, Mr. Lee Bray, Ms. Amy Lawrence, Mr. Ray Berube, Mr. Dick Heim, Mr. Jim Wall, Dr. Robert O. McClellan, Ms. Judith George, Mr. Lee Trussell, Mr. Alan Spencer, Mr. Ramon Mondragon, Mr. Bob Luna, Mr. Irvin Diamond, Mr. Tom Bonafair, Mr. Larry Adams, Ms. Valerie Ladeau, Ms. Judy Zanotti, Mr. Fred Ragland, Ms. Waneta Tuttle, Mr. Tom Taylor, Mr. Jim Randel, Mr. Paul Silverman, Mr. Jack McElroy, Mr. Bud Brasher, Ms. Penny Rembe, Mr. Gig Brummell, Mr. Robert Bailey, Mr. Brad Steward, and Ms. Stephanie Stinnett.

Schools of Management Foundation Board. The office of the assistant dean helped coordinate various SQM Foundation Board activities, such as fund raising, recruitment of new board members, and redefinition of the board's long term mission.

Board Chairman is Mr. Paul Silverman from Trammell Crow Company. The primary mission of the Foundation Board is to assist Anderson Schools in raising monies as well as providing strategic advice about the schools' mission. The current Foundation Board members are:

Mr. John Ackerman, Mr. Edgar Amsden, Mr. Lee Bray, Mr. Norman Corzine, Mr. William "Stan" Davis, Ms. Diane Denish, Mr. Bill Elder, Mr. Allan Hisey, Mr. Henry Ingalls, Mr. Robert E. Jancar (in-coming chair), Mr. Raymond G. Loome, Mr. Rick Johnson, Ms. Amy Lawrence, Mr. Howard Mock, Ms. Penny Rembe, Mr. Paul Silverman, Mr. Morgan Sparks, Dr. Derick Pasternak, Mr. Larry Risley, Ms. Debbie Suarez, Mr. Gary King, Mr. Thomas Wellborn, Mr. Jim Stretz, Ms. Martha McDonald, Mr. Rolfe Black, and Mr. Duffy Swan.

E. ALUMNI ACTIVITIES AND RELATIONS (John Warner, Assistant Dean)

The assistant dean worked with the ASM Advisory Council's alumni relations volunteer committee, especially on activities relating to the ASM newsletter and survey.

The ASM assistant dean's office was also involved in several liaison activities with the UNM Alumni Office (including luncheons, presentations, talking with interested ASM alums, etc.).

The ASM assistant dean's office coordinated an Alumni Luncheon with Colonel Frank Borman on February 5. This luncheon was open to all interested individuals, but was primarily aimed at ASM alumni. Approximately 160 attended.

F. PUBLIC AND MEDIA RELATIONS (John Warner, Assistant Dean)

Several trips were taken during the past year to promote ASM in a variety of activities. In traveling to these various destinations (locations mentioned in Student Recruitment

section), the ASM assistant dean also visited a variety of news media as well as business leaders, educators, Chambers of Commerce, etc., to spread the word about ASM, its programs and activities.

The assistant dean spoke to numerous community organizations during the past year as a member of the UNM Speakers Bureau and by personal invitation. These presentations typically highlighted the Anderson Schools and their activities. The assistant dean belongs to a number of civic groups, which helps promote ASM.

One of the most exciting activities of the past year was development of the ASM quarterly newsletter. The first edition of the newsletter was presented in Fall 1986. The newsletter is intended to be the primary communication channel between ASM and its alumni and friends.

The ASM assistant dean's office helped coordinate the Schools' media relations campaign. This campaign resulted in numerous articles and public service announcements on behalf of the Anderson Schools. Some articles published included stories on the Management Development Center and its programs, the new direction of the Anderson Schools under Dean Ray Radosevich, the Small Business Institute, Colonel Frank Borman's visit to Albuquerque on behalf of ASM, ASM recipients of endowments contributed by Albuquerque accounting firms, the Navajo Pre-College Business Program, and others.

The office of the assistant dean held periodic meetings with ASM student organization representatives to coordinate activities among these groups.

Mr. Warner went to Denver for a conference on economic resources, hosted by Mountain Bell. As a participant in this three-day conference, he was able to make new contacts for the Anderson Schools and develop an additional regional network, especially with Mountain Bell, USA West, and academic colleagues throughout the Rocky Mountain region. He also made a presentation at the New Mexico Educators Conference in Ruidoso.

G. AWARDS CEREMONY

The Eighth Annual Awards Ceremony took place on May 1, 1987, at the Holiday Inn. This special event, which originated as a way to honor students and faculty, has been enlarged to include not only those awards but also to honor the many contributors to the Anderson Schools from the business community. Some of the companies and individuals receiving awards for their significant monetary contributions to the Anderson Schools' various entities during 1986-87 were: Arthur Andersen & Co., Baldridge Lumber Company, Banquest Bank, Dr. W. O. Edward, First Interstate Bank, and Mr. Jim Rutledge. Two awards, the Southwest Mortgage Company Awards for Excellence, were presented to the "Outstanding Teaching Professor of the Year", Assistant Professor Arley Howard, selected by the BBA and MBA graduating classes; and the

"Outstanding Research Professor of the Year," Professor William S. Peters, selected by the ASM Research Allocation Committee.

H. CONVOCATION CEREMONY

The Anderson Schools' Tenth Annual Convocation Ceremony was held Saturday, May 16, 1987, at Popejoy Hall, with a reception following. The main speaker was the newly selected Dean of the Anderson Schools of Management, Ray Radosevich. Associate Dean R. J. Lievano assisted Dean Radosevich as master of ceremonies. Kevin Kneafsey, BBA class president, and John Larson, MBA class president, also addressed the graduates and their guests. The 1986-87 graduating class was comprised of 299 BBA graduates, 89 MBA graduates, and four Master of Management graduates. The graduates, faculty, and guests filled Popejoy Hall, with many having to stand to enjoy the ceremony. Coordinator for this event for the past ten years was Alice Coats, Assistant to the Dean; it will be her final year as coordinator, since she is retiring in 1988.

3. REPORTS OF ACADEMIC DEGREE PROGRAMS

A. BBA PROGRAM (Lea Gondek, Undergraduate Student Director)

Degrees granted: We have had an almost 9% increase in the number of students graduated - 288 total for the 1986-87 academic year versus 265 last year. This graduating class constituted 38% of our average Fall/Spring enrollment. It appears therefore that students enter our program and complete their degrees within a reasonable time span. Accounting was

the most popular concentration with 71 graduates, up from 59 the previous year. Marketing was a very close second with 70, followed by Finance (41), General (36), BCS (30), and Human Resources (23). This is the first year marketing and accounting numbers are almost equal. The 23 graduates in Human Resources Management are the largest number in the concentration that have ever graduated in one year.

Enrollments have increased roughly 5% over the previous year. Admissions have remained roughly stable over the past five years: 82-83 total 380, 83-84 354, 84-85 317, 85-86 348, 86-87 373. Low grade point average in specific requirements remains the most frequent basis for denial.

Faculty:Student ratio has increased again. In Spring 1985 the ratio was 1:21.81. In Spring 1987 it was 1:24.82. This is still below the Fall 1980 high of 1:27.8.

Male:Female ratio: Females have outnumbered males since Spring 1984 at ASM. Female graduates for 1986-87 again outnumber males.

Minority enrollment has shown a slight increase, with 29.30% of total enrollment (compared to 28% for 1985-86). Although accounting is the first choice for minority students and ASM students as a whole, marketing is the first choice of foreign students.

(Relevant tables follow on pp. 15 - 19.)

GRADUATION STATISTICS FOR THE BBA PROGRAM

CONCENTRATION	Sum '85	Avg GPA at grad	Fall '85	Avg GPA at grad	Sprg '86	Avg GPA at grad	TOTAL
Accounting	3	2.50	27(1)	3.13	29	3.01	59
Financial Mgt	6	2.60	24(2)	2.94	23	2.77	53
International Mgt			2	2.90	2(1)	2.94	4
General Management	2(1)	2.71	12	2.40	19(3)	2.96	33
Human Resources Mgt	2(1)	3.01	4	2.56	5	2.82	11
Management Science					1	2.81	1
Bus. Computer Systems	2	2.81	22	2.90	23	2.85	47
Marketing Mgt	4	2.90	20	2.83	27	2.86	51
Prod. & Oper. Mgt			4	2.82	2	2.90	6
Travel & Tourism	0		0		0		0
Total BBA Graduates	19		115		131		265
Males	11		59		68		138
Females	8		56		63		127

	Sum '86	Avg GPA at grad	Fall '86	Avg GPA at grad	Sprg '87	Avg GPA at grad	% change 65-86 & TOTAL 86-87
Accounting	1	2.79	23	3.03	47	3.04	71 + 20.33
Financial Mgt	3	2.93	13(2)	2.98	25(4)	2.90	41 - 22.64
International Mgt	1	2.62	3(2)	2.67	2	3.08	6 + 50.00
General Management	6	2.87	16(1)	2.73	14(7)	2.62	36 + 9.09
Human Resources Mgt	1	2.48	6	3.00	16	3.03	23 +109.09
Management Science							-100.00
Bus. Computer Systems	4	2.87	10	3.06	16	2.95	30 - 36.17
Marketing Mgt	8	2.71	21(3)	2.81	41(3)	2.97	70 + 37.25
Prod. & Oper. Mgt			3	2.98	2	2.60	5 - 16.66
Travel & Tourism			2(2)	3.04	4(6)	2.92	6
Total BBA Graduates	24		97		167		288 + 8.67
Males	12		47		83		142 + 2.89
Females	12		50		84		146 + 14.96

NOTE: NUMBER () NEXT TO CONCENTRATION IS THE SECOND CONCENTRATION FOR THOSE STUDENTS WHO ATTEMPTED A DUAL CONCENTRATION

Concentration DistributionBBA

	<u>Fall 1986</u>		<u>Spring 1987</u>	
	<u>Number</u>	<u>Percentage</u>	<u>Number</u>	<u>Percentage</u>
<u>Accounting</u>	236	31.97	234	30.74
<u>Finance</u>	95	12.87	112	14.71
<u>General Management</u>	151	20.46	141	18.52
<u>Human Resources Mgt</u>	21	2.84	28	3.67
<u>International Mgt</u>	15	2.03	17	2.23
<u>Marketing</u>	118	15.98	120	15.76
<u>Business Computer Syst</u>	80	10.84	83	10.90
<u>Management Science</u>	3	.40	1	.13
<u>Production & Operations</u>	1	.13	6	.78
<u>Travel & Tourism Mgt</u>	18	2.43	19	2.49

Ethnic Distribution

<u>AmerInd/Alaskan</u>	11	1.48	10	1.30
<u>Black</u>	8	1.07	8	1.04
<u>Asian/Pacific Islander</u>	15	2.02	13	1.70
<u>Hispanic</u>	174	23.48	193	25.26
<u>Other</u>	533	71.92	540	70.68
<u>Foreign*</u>	20	2.69	15	1.96

*Foreign students are included in their respective ethnic groups also.

BBAEthnic Distribution (%) by ConcentrationFall 1986

<u>Concentration</u>	<u>AmerInd/ Alaskan</u>	<u>Black</u>	<u>Asian/ Pac. Islander</u>	<u>Hispanic</u>	<u>Other</u>	<u>Foreign</u>
<u>Accounting</u>	.40	.26	.67	6.47	24.29	.13
<u>Finance</u>	.26	.26	.53	3.77	7.96	.26
<u>General Management</u>	.26	.26	.26	4.58	14.97	.53
<u>Human Resources Mgt</u>				1.48	1.48	
<u>International Mgt</u>			.13	.40	1.48	
<u>Marketing</u>	.40		.13	4.18	11.20	1.48
<u>Bus Comp Systems</u>		.26	.13	1.75	8.63	.13
<u>Management Science</u>			.13	.13	.13	.13
<u>Prod Oper Mgt</u>				.13		
<u>Travel & Tourism</u>	.13			.53	1.75	

Spring 1987

<u>Accounting</u>	.39	.26	.78	7.47	21.88	
<u>Finance</u>	.26	.26	.39	3.93	9.82	.39
<u>General Management</u>	.13	.13	.26	4.84	13.10	.39
<u>Human Resources Mgt</u>		.13		1.44	2.09	
<u>International Mgt</u>			.13	.39	1.70	
<u>Marketing</u>	.26			4.71	10.87	1.04
<u>Bus Comp Systems</u>	.13	.13	.13	1.83	8.65	.13
<u>Management Science</u>					.13	
<u>Prod Oper Mgt</u>		.13		.39	.26	
<u>Travel & Tourism</u>	.13			.26	2.09	

BBA Profile - Spring 1987

<u>Semester</u>	<u>BBA Students</u>	<u>Admits</u>	<u>Returning & Readmits</u>	<u>Male</u>	<u>Female</u>	<u>Full Time</u>	<u>Total School</u>	<u>Non-BBA</u>
Spring 1987	# 764	149	615	378	386	410	1,923	1,159 (60%)
Fall 1986	# 741	144*	597	367	374	427	1,750	1,009 (57%)
Spring 1986	# 727	141	586	351	371	372	1,825	1,125 (60%)
Fall 1985	# 712	175*	537	350	362	361	1,824	1,112 (60%)

Full Time = Number of students carrying 15 hours or more

Total School = Number of students enrolled in one or more ASM course(s) (including Service Courses)

Non-BBA = Number of students enrolled in MGT courses (including Service Courses) but not enrolled in ASM

* The select criterion for the computer program does not include those students admitted for Summer who do not attend classes in the Summer Session but first attend the Fall Session. Please see admissions list next page for number of applications processed.

ATTRITION

<u>Semester</u>	<u>BBA Students</u>	<u>Headcount of those Withdrawn</u>
Spring 1987	# 764	24
Fall 1986	# 741	29
Spring 1986	# 727	23
Fall 1985	# 712	31

= 21 day figure, disregarding withdrawals

BBA PROGRAM ENROLLMENT STATUS REPORT
Spring 1987

Semester	Total BBA Students	Admits	Returning & Readmits	Undergrad Hours	FTE's	FTFE	Faculty/Student Ratio
Spring 1987	#764	149	615	12,574	838.26	33.77	1/24.82
Fall 1986	#741	144*	597	11,669	777.93	32.55	1/23.89
Spring 1986	#727	141	586	11,667	777.80	32.44	1/23.97
Fall 1985	#712	175*	537	11,040	736.00	32.77	1/22.45

Hours = Total hours taught by ASM (undergraduate only)

FTE's = Undergraduate hours - 15

FTFE (Full-time faculty equivalents) = Total credit hours - 9

Faculty/Student Ratio = FTE's - FTFE

#21 day figure, disregarding withdrawals

*The select criteria for the computer program do not include those students admitted for summer who do not attend classes in the Summer Session but first attend Fall. Please see list below for accurate number of admissions processed.

ADMISSIONS

Semester	Total Applied	Admitted	Denied	CST	Basis for Denial		
					"Specifics" GPA - 2.4	Both	Other
Spring 1987	223	158	65	6	24	0	35
Fall 1986	297*	215*	82	6	32	0	44
Spring 1986	229	158	71	0	36	0	35
Fall 1985	278*	190*	88	6	26	3	53

*Fall total includes summer applicants

Both = CST and GPA

Other = Failure to process petition of transfer, insufficient hours or courses, cancellations, low UNM overall GPA

B. MBA PROGRAM (Sue Podeyn, MBA Student Director)

The 1986-87 academic year saw several significant events at the Anderson Schools, including changing the schools' MBA program. Changes consist of a restructuring of the core and elective portions of the program to provide greater integration, consistency, and choice. The particulars are:

1. Reduction in the number of credit hours in the core curriculum from 45 to 33.
2. Increase in the number of elective credit hours from 15 to 27.
3. General prerequisites.

The total number of credit hours required remains unchanged at 60. Some courses which were previously required are now elective. The changes do not have any significant budgetary or staffing implications.

Degrees Conferred: The Anderson Graduate School conferred 86 MBA degrees in academic 1986-87, and 112 in the preceding year (1985-86).

Applications and Admissions: The Anderson Schools received 387 applications for admission during academic 1986-87, a slight decrease over previous years. Sixty percent were offered admission. Of those, 151 enrolled in the program, again a slight decrease over last year's figures.

The MBA program's total enrollment has remained relatively stable at 508.

C. PH.D PROGRAM (Dwight Grant, Director)

After several years of not admitting students, the Schools of Management are actively planning to activate the Ph.D. program. Our goal is to begin accepting new students for the Fall 1988 semester. We expect the first class to consist of approximately six students studying in two disciplines. In subsequent years we will expand the number of offerings and students.

4. ANDERSON SCHOOLS OF MANAGEMENT AREA REPORTS

A. ACCOUNTING AREA (Ed Caplan, Area Coordinator)

Staffing: Dennis Togo accepted our offer as an Assistant Professor effective for the Fall semester 1987. Alan McNamee, who was scheduled to join the faculty for the Spring semester 1987, elected to remain at the University of North Carolina until summer. Arley Howard and Paul Koogler resigned effective June 30, 1987. Camille Koehler was given a visiting appointment beginning in the 1987-88 academic year. Thus, the accounting faculty currently consists of eight professors and one visitor. We have one vacant position and hope to add one new position beginning in the 1988-89 academic year.

Other Matters:

Endowed professorships in accounting were awarded to Pat Elliott (Arthur Andersen) and Ed Caplan (Peat, Marwick). The Rogoff, Diamond and Walker lectureship was awarded to John Yeakel.

Irv Diamond, CPA, and Pat Elliott have continued to work on fundraising for the area, through the Accounting Support Group. We are greatly indebted to Irv for his efforts on behalf of the area.

Various members of the faculty were involved in activities of the National Association of Accountants and the New Mexico Society of CPAs. The faculty also participated in several open houses held by CPA firms and the Accounting Career Fair sponsored by the Student Accounting Association.

B. FINANCE AREA (Don Panton, Area Coordinator)

Professors Hoje Jo and David Weeks joined the finance area in August 1986. Professor Jo completed his Ph.D. in finance at the University of Florida in 1986 and Professor Weeks expects to receive his Ph.D. in finance from the University of Texas at Dallas in 1987. With these additions and continuing faculty members John Finkelstein, Dwight Grant and Don Panton, the finance area has made progress toward a full complement of full time faculty. In addition to these full time faculty we receive able and valued assistance from members of the business community. This year Robert Logan, Ken Buehler and Roland Paquette taught courses.

The finance faculty are striving for excellence in their scholarly activities. The following brief summary suggests the extent of the area's efforts and successes in teaching and research.

Teaching. The full time finance faculty offers courses in corporate finance, investments, capital markets, banking and international finance at the undergraduate and masters level. In addition we offer introductory undergraduate courses in real estate and insurance. In the future the area will extend its offerings to include a banking concentration, a real estate concentration and a Ph.D. program in finance. Finally, high quality evaluations by their students placed Professors Finkelstein, Grant and Panton on the UNM "Incomplete List of Excellent Instructors" this year.

Research. This year the finance faculty had the following research accepted for publication:

John Finkelstein: "A Note on the Demand for Labor by Firms and the Phillips Curve Phenomenon," with L. Booth and W. Lee, Journal of Economics and Business, forthcoming.

Dwight Grant: "Managing Foreign Exchange Risk with Cross-Hedging and Currency Swaps," with Mark Eaker, pp. 37A1-37A12, Handbook of Modern Finance 1986 Update. Dennis Logue editor, Boston, MA: Warren, Gorham and Lamont, 1986.
 "Futures Contract Delivery and the Volatility of Spot Exchange Rates," with Mark Eaker, pp. 247-56, Recent Developments in International Banking and Finance Volume 1. Sarkis Khoury and Alo Ghosh editors, Lexington, MA: Lexington Books 1987.

"Cross-Hedging Foreign Currency Risk," with Mark Eaker, Journal of International Money and Finance (1987), 6, 85-105.

Hoje Jo: "A Factor Analytic Approach to Foreign Exchange Speculation," with Roger Huang, Proceedings of the American Statistical Association, August 1986, 96-100.

Don Panton: "A Method for Simulating Stable Random Variables: Corrigenda," Journal of the American Statistical Association, forthcoming.

David Weeks: "CDASCAL: An Algorithm for Assessing the Correspondence of One of More Vectors to a Symmetric Matrix Using Ordinal Regression," with Thomas Reynolds and Steve Perkins, Psychometrika, forthcoming.

"Financial Returns and Strategic Interaction: The Case of Instant Photography," with Richard Bettis, Strategic Management Journal, forthcoming.

"The Relationship Between Growth, Profitability and Firm Value," with Nikhil Varaiya and Roger Kerin, Strategic Management Journal, forthcoming.

In addition to these published articles each member of the finance area has an active research program with completed papers under review and other research projects in progress. Professors Finkelstein, Jo, Panton and Weeks all made research presentations to the faculty this year, based

on their research. In addition, Professor Finkelstein presented a paper at the Financial Management Association meetings in October 1986. Professor Grant presented a paper at the Symposium on Options, Futures and Agricultural Commodity Programs sponsored by the U.S. Department of Agriculture in May 1987. In June 1987 he presented a paper at the Western Finance Association meeting. Professors Panton and Weeks also participated in the program at the Western meetings as paper discussants.

The finance area sponsors an academic speaker series. This year we were fortunate to have the following distinguished faculty make presentations:

1. Ramesh Rao, University of Texas
2. Rolf Mirus, University of Alberta
3. Robert Klemkosky, Indiana University
4. James Dyer, University of Texas
5. Phelim Boyle, Waterloo University
6. Giovanni Barone-Adesi, University of Alberta
7. James Hess, North Carolina State University
8. Nikhil Varaiya, Southern Methodist University

The Financial Management Association, a student group advised by Professor Finkelstein, also sponsors a speaker series. This year we were fortunate to have the following distinguished members of the business community make presentations:

1. A. J. Robison, Chief Financial Officer, Public Service Company of New Mexico
2. M. A. Seis, Chief Financial Officer, First Interstate Bank of Albuquerque

3. C. Winslow, Corless Winslow & Associates financial Network Investment Corporation
 4. M. Earl, Employment Counselor
- C. HUMAN RESOURCES MANAGEMENT AREA (Joseph Champoux, Area Coordinator)

The following were the research, teaching, and service activities of the Human Resources Management Area faculty during the academic year 1986-87. Activities from July 1, 1986 through June 30, 1987 are reported.

Research

Joseph E. Champoux

Form, Effect Size, and Power in Moderated Regression (with William S. Peters) Journal of Occupational Psychology, 60, 1987.

A Multivariate Test of the Job Characteristics Theory of Work Motivation. Presented at the Southwest Division, Academy of Management, March 1987 and published in the proceedings.

A Multivariate Test of the Job Characteristics Theory of Work Motivation. Presented at the Western Division, Academy of Management, March 1987 and published in the proceedings.

Selected as an outstanding paper on the program. Completed four chapters on motivation for his textbook. Under review at West Publishing Company.

Howard Finston

Arbitration opinion and award Furr's Inc. and Commercial Workers, Local 1564, appeared in Labor Arbitration Awards, 86-2, ARB 8387, Commerce Clearing House, Inc., 1986, 4648-4654.

Arbitration opinion and award Local 1929, American Federation of Government Employees and Department of Justice, Immigration and Naturalization Service was summarized in the Federal Labor-Management and Employee Relations Consultant, September 26, 1986, p. 2.

Arbitration opinion and award Operative Plasterers' and Cement Masons' Local 394 Pension Trust Fund/Arbitration of Trustee Deadlock was published in Employee Benefits Cases, The Bureau of National Affairs, Inc., January, 1987, pp. 2508ff. It was also summarized in Pension Reporter, The Bureau of National Affairs, Inc., December 22, 1986, #51.

Helen J. Muller

Retrenchment in Health Care Organizations: Theory and Practice (with M. Fottler, and H. Smith). Hospital and Health Services Administration, 31, 1986.

"Women at Work." Invited speaker 20th Anniversary Celebration, School of Public Health, University of Hawaii, Honolulu, March 1987.

"Women in Health Services Administration in New Mexico" (with N. Kruger). Presented at the Women Studies Conference, University of New Mexico, Albuquerque, April 1987.

"Current Issues in the Health Industry." Invited speaker, California State University, Hayward, April 1987.

"Emerging Women Leaders in the US Health Industry Face Difficult Challenges." Third International Interdisciplinary Congress on Women, Dublin, Ireland, July 1987.

Robert R. Rehder

Kaizen and the Art of Labor Relations. Personnel Journal, December 1986.

Nummi: Teamwork in Action. New Management, Fall 1986.

Stifling Innovation and Change. Training and Development Journal, July 1985.

Nummi: Strategic Policy Implications for Detroit. Presented at the SAE International Congress, Detroit, 1987. Published in the proceedings.

The Toyota/GM Joint Venture: Transformation at Fremont and Nummi: A Study in Cross Cultural Labor Management Relations.

Both presented at the Decision Science Institute meeting, November 1986, Honolulu. Published in the proceedings.

Invited speaker about Nummi and Japanese transplant research at Columbia University Graduate School of Business, General Motors Research Institute, and the University of Arizona.

Teaching

Joseph E. Champoux: His three courses in Fall 1986 were included in the "Incomplete List of Instructors rated Excellent." One course was rated Outstanding.

One of his three courses in Spring 1987 was included in the "Incomplete List of Instructors rated Excellent."

Howard Finston: Taught six courses during the academic year. His end-of-semester course evaluations showed a high level of teaching performance.

Helen J. Muller: Taught five courses during the academic year. Course evaluations showed very good teaching performance.

Robert R. Rehder: Taught four courses during the academic year. Information on teaching performance not readily available.

Service (School, Professional, Community)

Joseph E. Champoux

Anderson Schools Research Allocations Committee
Anderson Schools Entrance and Credits Committee
Anderson Schools APT Committee
Program Review Committee, Western Division, Academy of Management
Ad hoc reviewer for Human Relations
Outside reviewer for a dissertation at the University of New South Wales

Howard Finston

Anderson Schools APT Committee
Anderson Schools Policy Committee
UNM Grievance Arbitration Panel
Served on four Ph.D. dissertation committees in American Studies and the College of Education
Appointed to a joint committee involving the Division of Public Administration

Helen J. Muller

UNM Faculty Senate Long Range Planning Committee
UNM Women's Studies Advisory Committee
Served on three Ph.D. dissertation committees
Served on two Ph.D. qualifying examination committees

Robert R. Rehder

Co-chair Anderson Schools Curriculum committee
Anderson Schools APT Committee
Acting Area Coordinator, Spring 1986
Board of Directors, Chaparral Girl Scout Council

D. MS/MIS AREA

Teaching. In our regular undergraduate programs the area graduated 30 persons in Business Computer Systems and five in Production/Operation Management. At the MBA level 15 were graduated in Management Information Systems and five in Management Science.

Graduate Assistants were involved in teaching ASM 301. These persons were John Larson, John Abbott, and Kim Denton-Hill.

The area appreciates the contributions of our part-time and adjunct faculty. In 1986-1987 this included

Roberta Carter	ASM 301, 510
Lou Sullo	ASM 337
Bill Atkins	ASM 361
Eddie Kramer	ASM 510
Terry Othick	ASM 327

We recruited to fill two positions. This resulted in the addition of Associate Professor Robert Tripp and the temporary appointment of John Larson for the 1987-1988 academic year.

A brochure was developed to assist in recruiting students for the operations/production management curriculum. Current enrollments in 300 courses in the OPM curriculum are up modestly. This recruiting effort continues.

Research. Professor Buller's paper, "A Tripartite Approach to Information Systems Development," has been selected as a finalist in the Distinguished Paper Competition of the Decision Sciences Institute's 1987 annual meeting.

Professor Reid's article, "Replacement Policy Development: A Case Study of Glove Replacement at a Nuclear Processing Facility," has been accepted by the Journal of the Operations Research Society.

E. MARKETING MANAGEMENT, INTERNATIONAL MANAGEMENT, AND TRAVEL AND TOURISM AREA (MIT) (Kenneth G. Baker, Area Coordinator)

The MIT Area consists of the following individuals and functional areas:

Marketing Management: Kenneth G. Baker, Ph.D., George C. Hozier, Jr., Ph.D., Robert D. Rogers, Ph.D., and Avraham Shama, Ph.D.

International Management: Robert A. Lenberg, Ph.D. and Lothar G. Winter, Ph.D.

Travel and Tourism: Eddie Dry, Ph.D.

During the past year the MIT area has been active and has accomplished many objectives. The MIT Area activities are summarized below:

Research: The seven MIT Area members were very productive as evidenced by published articles in nationally refereed journals as well as in other noteworthy publications. The Area members were also very active in attending scholarly conferences and presenting papers at same. The MIT Area is dedicated to an ongoing research track that reflects each individual's unique interests and talents.

Teaching: Members of the MIT Area are regularly listed in the Incomplete List of Outstanding Professors each year. Even though the Area members have been noted for their outstanding teaching, each member is always striving to improve

on classroom performance in order to make certain that each student is offered the opportunity of a superior educational experience. A particular example of improving a student's educational experience is the structure of the upper division marketing classes. The classes are project oriented in that students complete an actual marketing project for a business in the community. Often the same students are hired by the firms that benefited from the class project.

Service: Members of the MIT Area serve on various ASM and University committees. In addition, MIT Area members provide business assistance to local business organizations by providing low cost or no cost consulting, reference material guidance, research designs, finding students to fill specific jobs for business organizations, presentations to various community groups, etc. The MIT Area members believe that these activities have helped build a positive image for ASM in the local community. In addition, each Area member advises students in order to ensure that each student has a positive educational experience while attending ASM.

New Program Development: Starting with the Fall 1987 semester, the MIT Area has set up a sales management program on an experimental basis. The Area is attempting to respond to the needs of the marketplace by educating individuals to fulfill sales management positions. Professor Shama is the individual responsible for the program.

Hiring Activities: During the past year, the MIT Area has been seeking one full-time faculty member. The process is continuing and it is expected that the Area will be able to hire a well qualified individual by next fall. The new faculty member will assist in moving forward with the Area's plans for expanded programs. The MIT Area is also beginning to seek additional faculty to meet expansion needs and retirement vacancies that will be created in the next several years.

Mission:

Excellence in research and teaching. Our research has two orientations; one is research in our individual areas of interest and the other is a group focus on marketing issues in the Southwest. This is expected to create synergism and contribute to our knowledge of marketing phenomena in general and in New Mexico in particular. We are also focusing on areas that will contribute to the economic development of the State. Teaching is focused on creating new ways to present information to students and maintaining a very high level of enthusiasm in the classroom. One major focus is using "hands-on" experience activities to enhance theoretical foundations developed in a classroom setting.

Relevance of our program offerings to our students. This activity entails upgrading and modernizing our curriculum as the business environment changes.

Responsiveness to the needs of the market place. This activity entails responsiveness to the skill needs of potential employers of our students.

Long-run Objectives:

- Actively engage in scholarly and professional research
- Provide professional assistance to the business community
- Maintain an accredited, high quality undergraduate and graduate program for students who wish to specialize in the area of marketing
- Develop students into high quality management professionals
- Attend professional meetings in order to share and gain new knowledge
- Assist and participate in the programs of the Robert O. Anderson Schools of Management, enhancing the image of the Robert O. Anderson Schools of Management.

1987-88 Objectives:

- Maintain research productivity
- Continue to upgrade the BBA and MBA marketing specializations
- Continue our on-going dialogue with the business community of Albuquerque
- Continue to support the American Marketing Association professional chapter in Albuquerque.

Accomplishments: Research productivity has remained high, evidenced by the number of papers submitted, papers accepted, papers in progress, and papers presented. Several research projects focusing on leisure time use in the State of New Mexico were initiated. The BBA marketing curriculum was upgraded, in particular the sales management program. Plans are in place for a doctoral program.

REPORT ON THE FIRST YEAR OF THE TRAVEL & TOURISM MANAGEMENT PROGRAM (Eddie Dry, Director)

The goal of the Travel & Tourism Management Program is to provide management education for New Mexico's largest private sector employer. This first year saw significant progress toward that goal:

- Advisement kit/orientation meetings for students
- Internship handbook and training program
- Extensive counseling of students in career opportunities and internships
- Two articles on internships in the tourism industry in trade journals
- New Mexico Skier Survey - second year. Funded \$7,500 by Ski New Mexico. An additional funding of \$2,500 for Summer 1987. Largest skier survey ever done in New Mexico. Involved 30 students in real marketing research.
- 40 students enrolled in the first course
- Eight presentations were made to professional tourism organizations on the program, tourism research, and internships. Numerous presentations to social and civic organizations on tourism education at UNM
- Regular attendance at professional organizations and conferences (American Marketing Association, Hotel & Motel Association, Hotel Sales Marketing Association, Innkeepers, Ski New Mexico, and New Mexico North Tourism Association)
- Seminars done in Hobbs, Tatum, Lovington, Farmington, Taos, Angel Fire
- Publications in trade journals: New Mexico Business Journal, Harron Report, Business Outlook, Southwest Hotel/Motel News
- Internships for over 35 students, such as Marriott Hotel, Holiday Inn, Ruidoso Chamber, Souper Salad, New Mexico Museum of Natural History, Ski New Mexico

F. POLICY AND PLANNING (James Porter, Area Coordinator)

This review covers staffing, recruiting, courses, re- search, service and immediate plans of the Policy and Plan- ning Area. Further detail may be found in relevant primary sources, such as the activity reports of individual faculty members, the 21 day enrollment reports, and so forth.

Staffing:

The following full-time faculty members comprise the Area: Michael Daly (Visiting), Allen Parkman, James Porter, Ray Radosevich, Daniel Slate, and Howard Smith.

Part-time/Adjunct faculty members included Daniel Behles, William Davis, Douglas Francis, William Ingersoll, William Kouba, and Shanna Rampley. Roger Lattanza and John Warner also provided instructional services for the Area.

It is particularly noteworthy that Professor Slate was se- lected as the Outstanding Professor at UNM this past year by the Albuquerque Economic Forum.

Recruiting: Professor Howard Smith coordinated an intensive search for a new faculty member to assume major responsibili- ties in Business and Society. We are extremely pleased that Judith Thompson (University of California, Berkeley) will be joining the Area in the Fall of 1987. The Area hopes to be able to resume its efforts to fill the Albert Franklin Black Professorship in Small Business and Entrepreneurship later in 1987. In addition, the Area hopes to be able to begin re- cruiting in Policy and Environment next Fall.

Courses: The following courses were offered through the Area during the academic year:

MGT 113, Management - An Introduction; 308, Organizational Environment; 309, Man, Society and Law; 310, Law of Contracts; 490, T/Tech. Entrepreneurship; 495, Seminar in Small Business; 496, Seminar - Venture Capital; 498, Senior Seminar; 504, Organizational Economics I; 505, Organizational Economics II; 508, Organizational Environment; 509, Organizational Environment - Law; 554, Public Control of Business; and 598, Seminar in General Management. A majority of Area members also participated actively in the recent cycle of the Masters in Management program.

Research: Members of the Area wrote and published in a variety of fields during the past academic year; health, economics, and ethics are but three which suggest the diversity of interests within the Area. While much of this work was single-authored, a good amount was also the result of collaborative effort. Professors Parkman and Smith, in particular, had outstandingly productive years in research and publication. Considering the extensive involvement of Area members in other activities at the Schools and University, on the whole this past year was fruitful in terms of research. Reference to the activity reports of individual Area members is suggested.

Service: Area members were actively engaged in a wide range of activities which provided service to the Schools, the University, and the larger community. For example, the ASM research program, the Small Business Institute, and the undergraduate program were directed by Area members. Members of the Area also gave numerous speeches, served on many committees and organizations within the University and State, and

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contributed time and energy to a number of professional groups and societies. In terms of service, it was a very full year for members of the Area.

Immediate Plans of the Area: The Area hopes to implement the Small Business/Entrepreneurial Studies Concentration approved by the faculty two years ago as soon as feasible. Its implementation is conditioned on the designation of an individual to assume responsibility for the concentration. This is presumably tied to receiving authorization to re-initiate recruiting for the Albert Franklin Black Professorship. Implementation of the concentration continues to be the Area's top priority.

5. SPECIAL REPORTS

A. NEW GSM BUILDING

Construction of a new Graduate School of Management building, begun during the Fall 1985 semester, was completed in the spring of 1987. The \$5.8 million building doubles the space available to the Anderson Schools, and houses an expanded Parish Library, classrooms, the Management Development Center, and administrative offices. The building has been in operation since April 1987.

B. ASM RESEARCH PROGRAMS (Howard Smith)

During the 1986-87 academic year a number of events highlighted ASM faculty research efforts. Foremost were presentations to faculty and students on current research projects by the following faculty members:

<u>Date</u>	<u>Professor</u>	<u>Topic</u>
9/26/86	Finkelstein	"Misintermediation, Macroeconomic Stability, and Hedging"
10/26/86	Parkman	"The Effects of No-fault Divorce on the Labor Force Participation of Women"
11/21/86	Panton	"TEX at UNM"
12/19/86	Champoux	"Exploring Performance Appraisal in a Research and Development Environment"
	Peters	"The Metamorphosis of Meta-Analysis"
2/ 6/87	Bullers	"A Pardigm of Control for Computer Integrated Manufacturing"
3/ 5/87	Baker/Hozier/Rogers	"An Analysis of Leisure Time Activities Among New Mexico Residents"
5/ 8/87	Reid	"Interactive Personnel Scheduling: A Preliminary Approach"
	Shama	"Is Market Share Really the Key to Profitability?"

Much of this research has been supported by grants from the ASM Research Allocations Committee. The goal of this funding is to nurture original research that will ultimately be published in reputable journals.

The depth and breadth of ASM faculty scholarship was underscored in the publication of a report, "Faculty Research

and publications, 1985-1986," available from the Dean's office. The report chronicles the scholarly activity of the faculty in the last two years. It is apparent from this report that faculty members are actively publishing in respected journals across many fields.

Overall, the impression is that ASM has made considerable progress in developing a climate conducive to research. Expansion of funding for faculty research from the Foundation, allocation of research release times for productive faculty, and recruitment of new faculty with research aspirations has nurtured not only optimism but proven results. The prognosis is that ASM will continue to build its reputation as a productive and respected research environment.

C. NEW MEXICO SCHOOL OF BANKING (Roberta Ponto, Staff Assistant)

The New Mexico School of Banking held its Thirteenth annual on-campus session May 21-29, 1987. Forty-six students were enrolled in the Freshman (or basic year) Class and fifty-five students returned for their Senior Year, each of whom was awarded a diploma from the school. Enrollment in the school is limited and applicants must be employed by a commercial bank or state or federal regulatory agency and be sponsored by their employer.

Some 200 banks and regulatory agencies in New Mexico, Colorado, Utah, Texas, Wyoming, California, Kansas and Oklahoma have been served by the NMSB.

PURPOSE

The New Mexico School of Banking was established in October, 1974, for the purpose of providing the highest possible quality of education for intermediate-level career officers and supervisory employees of commercial banks and employees of state and federal regulatory agencies. The mandate of the New Mexico Bankers Association and the Robert O. Anderson School of Management requires faculty standards to be of the highest quality. The NMSB Admissions and Standards Committee selects only applicants with integrity, determination, and a desire to pursue excellence in increased bank-managerial responsibility. The School establishes a foundation for lifelong education, including possible attendance at a graduate school, and will prepare students for more rapid advancement to senior management positions. Instruction stresses a comprehensive managerial point of view and strives to increase student understanding of the organizational and policy-making aspects, as well as the economic and monetary contexts, of modern banking.

The New Mexico School of Banking receives no direct University funding and relies totally on revenues from tuitions, fees and gifts.

OPERATION

The NMSB operates under a Board of Trustees. The Board establishes policies relative to curricula, faculty, budget, admissions and standards, and long-range planning. The Board of Trustees is currently raising funds for the purpose of establishing an endowed Chair in banking with the provision that the chair holder will be the director of the school.

FACULTY

The School has a renowned faculty of both academicians and practitioners from ASM, New Mexico and throughout the states. Among the noteworthy is Dr. Martha R. Seger, Member of the Board of Governors of the Federal Reserve System, a NMSB instructor since 1979.

CURRICULUM

Course studies include: Funds Management I & II, Legal Aspects of Banking I & II, Economics & Regulation I & II, Commercial and Consumer Credit, Strategic Planning for Financial Institutions, Marketing I & II, Bank Operations, Cash Management, Personnel Management, and Bank Management Simulation.

AWARDS AND RECOGNITION

Each year the school gives recognition and a monetary award to a student for outstanding performance. The Class of 1986-87 award recipient was Ms. Karen Lynch of Sunwest Bank of Albuquerque, N.A. Certificates are also given to the First and Second Runners-up, as well as to the outstanding performer in the Legal Aspects of Banking course study, and to the outstanding performer in credit analysis.

GOVERNING BOARD OF THE NEW MEXICO SCHOOL OF BANKING:

J. Paul Boushelle, Executive Vice President, First National Bank in Albuquerque (Chairman of Board); James Clark, President, First Interstate Bank; J. William Craig, President, United New Mexico Bank; Henry Jaramillo, Jr., President, Ranchers State Bank; Ike Kalangis, President, Sunwest Bank of Santa Fe; Don Kidd, President, Western Commerce Bank; Mahlon Love, Senior Vice President, Sunwest Bank of Albuquerque, N.A.; Robert Spengler, President, First National Bank of Boulder, CO (Vice-Chairman); Earl Spruiell, President, First New Mexico Bank

EX-OFFICIO: Bryce Brisbin, NMSB Director; Curtis Graham, Dean, New Mexico State University; Sharon Janecka, Executive Vice-president, New Mexico Bankers Association; Sandra Miller, President, Class of 1987-88; David Paulsen, President, Class of 1986-87; Raymond Radosevich, Dean, Anderson School of Management; Garland Taylor, President, New Mexico Bankers Association.

D. SMALL BUSINESS INSTITUTE (Daniel M. Slate, Director; James M. Kasik, Coordinator)

In the Fall 1986 semester the Small Business Institute was directly involved in overseeing the counseling of five businesses and one nonprofit project. The SBI also provided cases for other Anderson School classes in organizational behavior. This was under SBI sponsorship and supervision.

In Mgt. 598, students were organized into teams composed of two to four students per case. The teams were structured to meet the criteria of client needs and expertise. Team members were chosen by student rank ordering of four choices and their stated areas of academic concentration.

Two of the clients were so pleased with the consulting experience and results that they sent letters of praise and thanks. The students on the organizational behavior case received a similar letter.

The SBI has also established and promoted a cooperative relationship with the UNM-Valencia Campus Business Assistance Center.

Our marketing efforts included news releases about the SBI being sent to many newspapers in Albuquerque, Santa Fe, Belen, and Socorro. Display ads were also placed in the Albuquerque Journal and the Valencia County News-Bulletin. We received 103 inquiries as a result of those efforts. Two different questionnaire forms and a descriptive brochure were

sent to every interested person. Approximately 50 applications were completed and returned to us. Returned applications were forwarded to SCORE for review and evaluation, the cases being then returned to us.

In constructing the list of cases for the Spring 1987 semester, it was decided to give top priority to the 11 top rated cases held over from the previous semester. During the Spring semester, 30 businesses were used as SBI cases. One case aborted due to financial irregularities, 26 cases were billed to the Small Business Administration (SBA) at the standard rate of \$400 each, and two additional cases are being submitted for reimbursement on completion of the relevant paper work. We are able to be reimbursed for ten cases above our limit through persistent requests to SBA and a surplus of funds in our region.

Clients rejected for any semester receive a notification advising them they may reactivate their files for future consideration by so advising the SBI office.

The selection process of both cases and student teams seems to work fairly well. With minor adjustments and the faculty's approval, a similar policy may be followed in the upcoming year.

Other activities:

- We received a letter of appreciation from the U.S.

Small Business Administration evaluating our professional effort for the last four years.

- Certificates of Appreciation were produced by a calligrapher and sent to each business which had participated in the SBI program; similar Certificates of Merit were sent to each student who had participated in the SBI program.
- Periodic contact was maintained with the UNM Valencia Campus and its Business Assistance Center; two cases were referred by them to SBI.

E. TECHNOLOGICAL INNOVATION CENTER (Gary S. Smith, Director)

The mission of the UNM-TIC is to promote and assist the development of businesses in New Mexico that are based on innovative ideas and an entrepreneurial spirit. The UNM-TIC has been in operation since 1981 and has received State funding since 1983 as part of the State's technology program to promote economic development and diversify the economy. New legislation in 1986 reorganized the Technological Innovation Program and consolidated New Mexico's technology programs under the New Mexico Research and Development Institute. Originally, the TIP was expected to receive state funding for only a five-year period. It has now been recognized that the TIP functions are an integral part of promoting economic development and it is expected that the UNM-TIC will continue indefinitely under contract to the New Mexico Research and Development Insititute.

Highlights of the year's accomplishments and a summary
of the cumulative program results include:

	7/86-6/87	7/83-6/87	
Inquiries		80	434
Screenings		38	218
Feasibility Studies		13	61
New Ventures		11	46
Capital	\$3,309,000		\$21,226,000
Jobs		46	196
Traditional Students		71	471
Non-traditional Students		8	55

F. MANAGEMENT DEVELOPMENT CENTER (Roger C. Lattanza, Director)

The general mission of the Management Development Center (MDC) is to provide quality adult, continuing education training opportunities to the management and professional communities of Albuquerque, New Mexico, and the United States. The MDC has been in operation since 1971, with steadily expanding operations during these years. The MDC has been offering more non-degree and customized workshops and seminars on a continuous basis for the past eight years. Previously, the Master's of Management Program (MMP) was the primary offering of the MDC.

Significant Achievements During Fiscal Year 1986-87. This section contains an account of all significant activities which took place during the past year. Activities are listed and described in some detail.

1985-87 MMP: This cycle of the MMP will be completed in July 1987, with 37 participants graduating. Eighteen MMP participants will pursue the MBA option.

The MMP is a two-year 45-hour credit academic program leading to the degree of Master of Management. This program is designed for the working manager, with classes held on alternate weekends. In addition to meeting the MBA program admission requirements, applicants must have at least three years of significant management experience.

1987-89 MMP: The ninth cycle of the MMP was recruited during 1986-87, will begin on July 24, 1987. Fifty participants will be selected. Despite a 9% increase in tuition (from \$8,500 to \$9,250 per cycle), there was no significant decrease in the demand for the MMP.

Basic Management Program: During fiscal year 1986-87, three cycles of the BMP were presented. The BMP is a one semester, non-credit diploma program. The BMP was established to teach newly appointed managers and supervisors the fundamental principles of management.

In addition to the BMP I program, the EMP II program, a more advanced version was reintroduced, and attracted 17 participants.

Community Seminars: A series of short, non-degree training seminars was offered in 1986-87. Forty-seven seminars and programs, ranging from one day to three days in duration.

In-House Training Programs: In addition to the community programs described above, the MDC also worked with several organizations to design and deliver training programs for

personnel of those specific organizations. These programs vary depending upon the unique requirements of different client organizations. 1986-87 represented decrease in the number of in-house training programs.

MDC Program Participants Analysis: Including the Basic Management Program with other community seminars, 66% of the total participants in MDC programs, 350 out of 530 come from the Albuquerque metropolitan area. Twenty-five percent of the participants come from other locations in New Mexico, while 8% come from outside New Mexico. Participants in in-house training programs totaled 310 with many of these programs provided on-site in locations outside Albuquerque.

Personal Growth Summer Series: The Center offered its first Personal Growth Summer Series in June, July and August of 1987. The series consisted of seven seminars dealing with upgrading personal and professional skills. The seminars were of one day duration and were presented on Saturdays in the new ASM building.

Trends and The Future:

Competition continues to be present and comes from both local and regional sources.

Seminars: The demand for basic skills training seem to be increasing. Enrollments in programs such as Accounting Essentials, Cash Flow Management, Supervisory Skills and Writing Skills were predominant.

In fiscal year 1987-88 the Center will put heavier emphasis on industry specific programs, customized in-house training programs, and programs for managers at higher levels in the organization. The Center will continually attempt to update the community seminars by trying to determine community needs in this area.

Special Note: It should be noted that the directorship of the Center changed in November of 1986. Roger C. Lattanza replaced Steven Meilleur.

G. MANAGEMENT SYSTEMS COMPUTING CENTER (William Bullers, MSCC Director)

The MSCC Director is responsible for the operation of the B-86 microcomputer classroom/lab facility (the Rainbow Room), the ASM218 microcomputer lab, supervising the user consultants, and generally coordinating ASM computing activities. In turn, the Director receives one course release per year.

B-86 & ASM218 Operation: B-86 is currently in operation 70 hours a week (24 hours for dedicated class use, 46 hours for lab use), and ASM218 for 30 hours a week. This represents a drop from 80 and 40 hours per week, respectively, due to tight budgets and staffing problems. Five replacement consultants were hired in January, 1987 for these labs.

Hardware-Software Maintenance: A Carry In/Carry Out hardware maintenance agreement for the B-86 and ASM218 Rainbows was adopted this year at an annual cost of \$5,092, compared to

\$19,972 for our previous maintenance coverage (priority coverage). B-86 machine availability is relatively unchanged, perhaps even better since we have more control over carrying the machines to and from the Computing Center. ASM218 Rainbow availability has suffered slightly, as we periodically cannibalize one Rainbow to keep other machines operational.

Faculty machines are not under service contract, but are repaired by the Computing Center on a parts and labor basis. About three faculty machines have required repair this year, at a cost of a couple hundred dollars.

Hardware-Software Acquisition: The Dean's Office has arranged for the purchase of IBM XT equipment, including approximately:

- a. 46 classroom/lab machines: 512K with monochrome monitors, 10MB hard disk, one floppy drive
- b. 19 faculty/staff machines: 512K with color monitors, 10MB hard disk, one floppy drive

Bundled software will probably include Lotus 1-2-3 Ver. 2, dBase III, IBM's Displaywriter, Fortran, and statistical library routines.

6 REPORTS OF STUDENT ORGANIZATIONS

A. ASSOCIATION OF ACCOUNTING STUDENTS

The Association of Accounting Students is one of the most visible organizations at the Anderson School of Management, with regard to interaction with the business community, faculty, and students.

Examples of this interaction include the Career Fair. The Seventh Annual Career Fair was held in September 1986.

Over 28 firms and professional organizations attended, along with 200 students.

Another service that we provide is the Volunteer Income Tax Assistance program. We completed 210 income tax returns free of charge in 1986 surpassing 1985's total of 150 income tax returns. This is a valuable asset to the University students and the outlying community. Other programs that we sponsor are monthly speakers' meetings, interviewing workshops, Take a Recruiter to Lunch Program, and Open House Program. We also provide literature and information to students about various accounting opportunities.

The Association continues to grow and prosper, through our many active student members and with the aid of our business contacts. We again are looking forward to a busy and exciting 1987-88 school year.

B. DELTA SIGMA PI (Philip W. Loeper, President, Fall 1987)

The International Fraternity of Delta Sigma Pi, which is the professional business fraternity established at the University of New Mexico in 1949, enjoyed a very successful school year. Our activities began with our biggest fund raiser of the year: selling film at the Albuquerque Balloon Fiesta. In October, the Gamma Iota Chapter was thrilled to win first place in the UNM Homecoming display category for independent organizations. In addition, the tremendous participation of Deltasigs in the Homecoming events held in the

mall produced many brothers placing first or second in the pie and jalapeno eating contests.

During the fall semester, our organization hosted such noted guest speakers as David Rusk, the former mayor of Albuquerque, Rick Johnson, president of the Rick Johnson & Company advertising agency, and Doug Vaughan, president of the Vaughan Company Realtors. We also took a tour of the Albuquerque Journal/Tribune plant in November. And we wrapped up the semester by initiating a large pledge class of 28 members.

The spring professional speaker program started off with a memorable speaker named Theresa Chavez from Plaza 3 Modeling School who spoke on the dos and don'ts of business etiquette. Our fraternity was also fascinated by the tour of the laser laboratories at Kirtland Air Force Base. But just as much fun as the tour was the picnic we gave for the children at the All Faith's Receiving Home in April. The semester ended with the graduation of 22 brothers.

While it is apparent that our school year was busy and fun from beginning to end, we are preparing to tackle the 1987-88 school year with just as much energy and enthusiasm as we had these last two semesters. Delta Sigma Pi. We Mean Business.

ANNUAL REPORT, SCHOOL OF ARCHITECTURE AND PLANNING 1987-87

From George Anselevicius, Dean

1986/87 has been an eventful year for all of us at the School. We had two accreditation visits during the spring, within a few weeks of each other. The regular five-year visit (my second one at the School) by the visiting team of the National Architectural Accreditation Board (NAAB). The team consisted of David A. Pugh FAIA of S.O.M. Portland, (chair), Hal Box, FAIA, Dean, School of Architecture, University of Texas, Austin, Robert Fidden, AIA, of Las Vegas NV, and Gregory J. Daugherty, student at State University of Arizona. We made effective preparations for the visit. The EDP (Educational Development Plan) was prepared and exhibitions of student work, faculty work, and work of alumni(ae) graced our halls. The visit went off very well, indeed. The team met with the University Administration, faculty, students, and, of course, with me, and we continue to be fully accredited for the next five years.

Then came the first accreditation visit for our Master of Community and Regional Planning Program, as it had only become eligible for accreditation this year, having graduated the right number of students and having the appropriate number of faculty members in the program. Associate Professor Richard Anderson, director of the program, worked hard with the planning faculty to develop the necessary information, and we asked Greg Polk to help us in organizing and scheduling the visit. The visiting team of the Planning Accreditation Board (PAB) consisted of Donald A. Krueckeberg, Director, School of Urban and Regional Policy, Rutgers University (chair), Professor Jesus H. Hinojosa of the Department of Urban and Regional Planning, Texas A&M, and H. DeWitt Blackwell, Jr. Planning Director of the Western Piedmont Council of Governments, the observer was Evelyn Martin, Director of the Planning Accreditation Board. While the results of the visit are not official at this time, the visitors thought our program strong, the faculty excellent, our

LÉO D. GAMELSKI (Master of Architecture, 1980) has opened his own practice in Albuquerque, starting in January, 1987.

MARK HARBERTS (Bachelor of Fine Arts in Architecture, 1980) won second place (\$700) in an architectural competition for the design of a vacation house, to be located in Rancho San Miguel, south of Las Vegas.

REGAN YOUNG (Master of Architecture 1982) since 1984 has been project architect with Herman Hassinger Architects, a twelve-person firm in Moorestown, Pennsylvania (1/2 an hour from Philadelphia). He was designer for the Brandt/Haughey law offices completed in 1986 which was published in "Architecture." He was guest critic at the University of Maryland in 1985. He is on the editorial board of the "Architecture, New Jersey" magazine and is editor of the February 1987 issue on religious architecture; and wrote an article for "Fine Homebuilding." His travels have taken him both North to Sweden and South to Yucatan.

EDWARD J. COX (Bachelor of Arts in Architecture 1983) completed his architectural education at the University of Oregon (M.Arch 85) and is now working in Sacramento for a small but growing firm, McAuliffe Cuddy Architects. The majority of the work is residential, but the firm is getting involved in commercial and government work. He is now studying for the California licensing examination.

STEPHEN GLAUDEMANS (Bachelor of Arts in Architecture, 1983) has worked for Dorman Nelson Breen, architects, Long and Waters, architects in Albuquerque. Studied for one year at Berkeley and is continuing his graduate work, as well as working for the Boehning Partnership as intern architect.

BEN WILSON (Bachelor of Arts in Architecture, 1983) is now attending graduate school at the University of Utah, where he tells us the program is rigorous in

group of architects to India in early January 1988 to visit the traditional and contemporary architecture of that country (From the Taj Mahal to Corbu. Having taught in India years ago, I have familiarity with that country and expect to visit distinguished architects like Charles Correa, Balkrishna Doshi, Achyut Kanvinde, and Anant Raje. If anyone wishes to come along call me at the School, it should be an exciting trip.

I continue to teach a graduate studio. Last semester's project was a small artist colony (houses as well as an artists' gallery). I will also be teaching a studio in the Fall Semester 1987. "Deaning" alone is not sufficient for me as I need direct contact with the substance of architecture and with students.

Despite the fact that University budgets have been rather tight, we have been able to produce a new and important publication. "Portfolio" publishes the architectural work of students, and I was pleased with the first issue which was edited by Peter Marquez, a graduate student. Portfolio will be published every year or every two years, depending upon budgets. I am committed to three publications from our school, the News (which you are now reading), "Mass" and now "Portfolio," not too bad considering that four years ago we produced no publications at all. Please let me know if you are not receiving them.

The New Mexico Chapter of the American Society of Landscape Architects presented me with an Honor Award, for continued support of Landscape Architecture, signed by Gil Berry, president, and Craig Campbell, trustee. I am very thankful to be honored in this manner.

During the year I was a member of the Awards Jury of the New Mexico Society of Architects and also Chair of the Awards Jury of the El Paso AIA chapter, and speaker at their Design Awards Banquet.

JOHN HOOKER (Master of Architecture 1986) writes to us in a letter dated March 17, 1987, about his work at the office of Herbert Newman. There is much work in Connecticut, and he is kept very busy. He is working on a mixed-use project next to Yale University. He writes: "It is delightful to walk through Yale and study all of the stonework and carvings done over the years." The Newman office has just purchased a computer-based CAD system using AutoCAD, and John is involved in developing the office's computer capability.

structures, CAD and history. He expects to graduate in winter of 1988. He received our "Portfolio" and enjoyed it.

PERRY ROBERT WILKES (Bachelor of Arts in Environmental Design, 1983) works as commercial building inspector for the City of Albuquerque, but also designs 2-3 solar houses every year.

LESLIE ALLEN (Master of Architecture 1984) now lives in Solana Beach, California and works with a firm concentrating on historic preservation.

STEVEN M. BURKE (Bachelor of Arts in Architecture 1984) lives and works in Denver, and is in his last year of graduate school at the University of Colorado. He was married to Jackelyn Walker of Denver on January 17, 1987, bought a 1955 house, and enjoyed remodeling it. One child, Stanley, thus far and a golden retriever puppy.

STEVENS WILLIAMS (Master of Architecture 1984) has been and will be teaching in Fall 87 at the San Diego "New School of Architecture." He works as a generalist in areas all the way from planning studies to the design of furniture. He writes "California remains a busy and exciting place to work."

ANITA TAUARICO (Bachelor of Arts in Environmental Design, 1984) has earned a Master of Science in planning degree from Florida State University. She has been funded by the U.S. Department of Commerce to develop a method for estimating probable property damage on the Florida Barrier Islands from hurricanes. She works for the Florida Department of Community Affairs, Bureau of Resource Planning where she reviews development plans for 20 counties in Northern Florida for impacts to natural systems, transportation networks, sewage systems, historical amenities, etc.

ANNUAL LUNCHEON

The tradition of an annual luncheon for the Friends of the School of Architecture and Planning continues. The luncheon was held on December 4th, 1986, at the School. Dean Anselevicius spoke to more than 60 "Friends" about the achievements of the School and the hopes for the future, and thanked all for their continued support. We published the menu for this culinary extravaganza last year. This year, suffice it to say, the menu continued its tradition of quality. It consisted of four courses plus beverages, and gave a nod towards Greek cuisine.

SPECIAL ENDOWMENT

Mr. and Mrs. Allen and Mary Stamm of Santa Fe have pledged a gift of \$22,500 to the School of Architecture and Planning over five years. The gift is to be matched by state funds. In five years, this combined fund will thus have a value of \$45,000, the interest to be available to support an Allen and Marty Stamm endowed lectureship at the School.

GENEROUS GIFT

Mr. George Hensley of the Star Hill Construction Co., Alameda, New Mexico, contributed \$5,000 to the Friends of the School.

234 FRIENDS

The count now stands at a total of 234, which includes all categories, Corporate members, Patrons, Sustaining members, and regular members, although the numbers continue to vary, with new members signing up and a few existing members having to be reminded. Members now receive all our publications, as well as the knowledge that their money pays for such publications as well as student merit scholarships, other student support, lectures, exhibits, and books for our resource center.

THE ARCHITECTURE CURRICULUM

The Curriculum Committee continued work on revision of the Bachelor of Arts in Environmental Design degree requirements. This degree is intended for students interested in Planning, Landscape Architecture or related disciplines. Decisions remain to be made on staffing and other resource implications.

The National Architectural Accrediting Board team made several recommendations which will be addressed in the coming term. Among them are:

Consider requiring an additional semester of Architectural History. We presently require two semesters for the B.A. in Architecture and an additional semester of graduate Architecture History for the M. Arch.

Add more structure to the non-architectural degree requirements in the first four years to encourage a well-rounded university education. At present, we specify a number of credit hours in Arts and Sciences; but, without stipulation as to categories such as history, social sciences, foreign language, etc.

Require more extensive instruction in Structures courses dealing with lateral forces.

Many of our students are part-time; that is, taking less than 12 hours per semester in order to work part-time. Since some required courses are offered only once a year, some students were having difficulty scheduling required courses and prerequisites for required courses. A schedule of courses has been prepared that recommends a sequence of nine semester hours for Fall and Spring with one course every summer. This sequence makes it possible for working students to receive the B.A. in Architecture in six years. The schedule is available in the School's Advisor's Office.

Finally, as usual, I must appeal to all our alumni(ae) to join the "Friends of the School of Architecture and Planning." Many of you have done so, and to them goes our gratitude. We need such support, as this makes it possible to offer merit scholarships, support our lecture series, bring exhibits to Albuquerque, pay for our publications, etc. You will be receiving our yearly questionnaire, so we can keep your address up to date, and so you can write to us with news your classmates may like to read. With the questionnaire will come an invitation to join the Friends. We are also planning to run a phonathon in Spring 1988, when we hope to contact many alumni(ae).

researching and testing the potential for job generation, creation of land value, and the use of uniqueness as a development strategy. During the second eight weeks (while Bill was in Brazil), the studio team, guided by Ric Richardson, analyzed alternative land use mixes including roadway and infrastructure arrangements to meet project goals. A summary of findings and team recommendations for the urban center was publically presented and published in the studio report "Las Plazas de Atrisco, MasterPlan."

One special benefit resulting from taking on such a large, complex and difficult studio problem was the number of very skilled professionals who contributed their time, knowledge and advice during the semester, in both input and review roles. The studio was a richer learning experience and the School is grateful for the contributions of Andres Aragon-Viamonte, Lou Colombo, Richard Counts, Kate Hildebrand, Lawrence Kline, Ken Marron, V.B. Price and Cliff Spirock.

CONTINUING EDUCATION

The School in conjunction with the Division of Continuing Education offered 10 evening courses during 1986/87.

Fall 86

1. Introduction to Architectural Photography
Instructor Kirk Gittings
2. Advanced Architectural Photography
Instructor Kirk Gittings

COMMUNITY AND REGIONAL PLANNING PROGRAM

The Community and Regional Planning Program instituted a new studio this year through the auspices of the Intercultural Center for the Built Environment. Professor David Stea was the director of the studio which combined elements of architecture, landscape architecture, urban design, and environmental planning.

Several professionals and educators visited the program this past year. They included Mr. Fathi Kralem, a regional planner from Tunisia and a Hubert Humphries fellow from American University in Washington, D.C., Professor Michael Earls from the School of Architecture at Auburn University, and Dr. Patricia Wilson from the Department of Community and Regional Planning of the University of Texas.

As mentioned in the Dean's comments above, the Planning Program, having had a site visit by an accreditation team of the Planning Accreditation Board, confidently awaits the decision of that organization.

ADV. PLANNING STUDIO 1987

In the Spring Semester, the Advanced Planning Studio (CRP 521, Studio '87), addressed the potential design and development of Westgate, a major urban center in the southwest quadrant of Albuquerque. Nine graduate students, with backgrounds in planning, architecture and civil engineering, and one undergraduate student with an emphasis in landscape architecture, analyzed environmental, demographic and economic factors relating to real development options for the proposed urban center.

The studio, supervised full-time by Paul Lusk, and half-time by Bill Siembleda and Ric Richardson, spent the first eight weeks under the guidance of Bill Siembleda

Genesis of Form, a workshop in the spirit, form and idea of Southwestern architecture, was held May 30 through June 7, 1987. Associate Professor Nicholas Markovich organized and led the group of 27 participants, which included participants from the Universities of Auburn, Michigan, Kentucky, Virginia and New Mexico.

Major historic architectural sites in Northern New Mexico were visited, including Chaco Canyon, Acoma, Bandelier, Gran Quivira, Quarai, Taos Pueblo, the churches at Santa Cruz, Chimayo and Las Trampas. Highlights of the week were a lecture by J. B. Jackson and a dinner, which was deeply appreciated, at his home in La Cienega; a lecture by Professor Jerry Brody on Chaco Canyon; and, a talk and discussion with Rina Swentzell, Ph.D., on the spirit and essence of Pueblo culture. Chris Wilson joined the workshops on Wednesday and Thursday to lecture on Santa Fe, the Martinez Hacienda, Taos and Taos Pueblo.

The collective spirit of the workshops was found in the historical and visual study of primarily sacred places in the lexicon of Southwestern architectural history. The power and sanctity of these places was impressed upon all. That very special common experience created a unique bond of respect and value among those participating. The richness of the experience: visual, spiritual, social and intellectual, is something the group will share for many years to come.

THE BEIJING URBAN DESIGN STUDIO

The summer studio in Beijing, China was offered by faculty from MIT, and the UNIVERSITY OF NEW MEXICO School of Architecture and Planning (Assistant Professor James Richardson) and TSINGHUA University of Beijing.

3. Interiors - Furniture Design
Instructor Nick Markovich

4. Architectural Graphic Communication
Instructor Peter Wolfe

5. Legal Issues In Architecture
Instructor Stanley Sager

SPRING 87

1. Earthen Architecture
Instructor Paul McHenry, Jr.

2. Interior Design
Instructor Nick Markovich

3. Writing for Architecture
Instructor V. B. Price

4. Southwestern Architecture
Instructor Chris Wilson

5. Cost Management and Value Engineering
Instructor Z. Nagy

THE DESIGN AND PLANNING ASSISTANCE CENTER (DPAC)

Now in its eighteenth year of service, the Design and Planning Assistance Center was established by the School of Architecture and Planning and the profession as a community design center that provides research, planning, and design assistance to low-income families, minorities, rural communities, nonprofit sponsors and community groups throughout New Mexico.

During the past year, students at the DPAC have undertaken a variety of projects under the direction of faculty member Edward B. Norris, Director of DPAC. Among projects developed by the DPAC in 1986-87 were:

Interior design for Medical Equipment Bank in Albuquerque; Infill housing design for San Felipe Pueblo; Site Development and Landscape design for Eldorado High School; Dormitory Addition for Delancey Street Treatment Center in Alcalde; Mobile Home Standards and Design Guidelines for San Idelfonso Pueblo; Health Care Facility Design for the Jicarilla Apache Tribe; Rural Demonstration House Design and Appropriate Technology research for Ejido "Suchiapa", Chiapas, Mexico; Design of Weavers Studio at Ramah; Planning Study for Plaza at San Juan Pueblo; Preservation Study for the Illinois Brewery at Socorro; Church Addition in the South Valley; South Broadway Neighborhood Planning; Workshop, Dining and Housing for Horticultural Program at Fort Defiance, Arizona; Playground Design for Algodones Elementary School; Moderate Income Housing Design for Deming; Rodeo Facilities for Chama; Commerce and Recreation Study for Sandia Pueblo; Transit Study for Eight Northern Pueblos; Interior Redesign at Johnson Gymnasium - UNM; Design of Museum for Jicarilla Apaches; Chapel Design for South Valley; Residence for Handicapped in Belen; Isleta Boulevard Study; Planning for UNM Credit Union; Housing Evaluation for Independent Living Center in Albuquerque; Nursing Home Design for Dulce and Workshop Planning for Shelter for the Homeless Charette.

PATTERNS OF BUSINESS ACTIVITY

A PLANNING GRANT FROM THE NEW MEXICO ECONOMIC DEVELOPMENT AND TOURISM DEPARTMENT

Where do New Mexico manufacturing and wholesale firms do business, and where do they buy their production materials? These are the major questions being researched by the Community and Regional Planning Program under a grant from the Economic Development Division of the State Economic Development and Tourism Department. Some 400 firms will be interviewed by mail, by phone and through on-site visits. In addition to manufacturing and wholesaling firms, a separate study of the patterns of new incorporations (less than three years old) will be undertaken.

Professor William J. Siembieda is the principal investigator for this \$24,000 project. The project's information will be used by the State in its efforts to design a new economic development plan.

SPECIAL EXHIBIT

An exhibit of the work of Special Education Students of the Cochiti Elementary School was displayed at the School. The class was taught by Mr. Robert Budnick, and the exhibit consisted of models and analytical drawings of a Japanese Garden. In designing and building models of this project, students implemented such skills as math, reading, language arts, and various aspects of science.

The purpose of this project was to determine if various academics could not only be taught through landscape architecture but also to see how much impact this approach had on students by changing them from passive learners to active learners. The project involved twelve mid-school age students who are primary learning disabled and was conducted over the 86/87 school year.

A reception for these students, their parents and teachers was held May 7th, 1987. Professor Anne Taylor talked about the value of teaching architecture and environmental issues to children.

ACTIVITIES

MONDAY LECTURE SERIES

The following 22 lectures were offered by the School. Support came from the Friends of the School of Architecture and Planning, the Albuquerque Urban Enhancement Fund, the Ron Hutchinson Memorial Fund and the Larry Licht Memorial Fund.

The total attendance, at these lectures, was over 3000 people.

Fall, 1986

Don Stull, Architect, Cambridge, Mass.

"Recent Work"

Malcolm Quantrill, Professor of Architecture, Texas A&M University

"Pietila, Following in Aalto's Footsteps?"

Marc Treib, Professor of Architecture, University of California-Berkeley

"Stalking Significance: Gunnar Asplund, An Architectural Precedent"

Jean-Paul Bourdier, Assistant Professor of Architecture, University of California-Berkeley

"Vernacular Architecture In West Africa"

Robert C. Walters, Associate Professor of Architecture, University of New Mexico

"The Spanish Darks"

Lee G. Copeland, Dean and Paley Professor, Graduate School of Fine Arts, University of Pennsylvania

"The Craft of Making Places"

Tunney F. Lee, Head, Dept. of Urban Studies and Planning, MIT

"Democratic Planning, Is It A Contradiction?"

George J. Hargreaves, Landscape Architect, San Francisco

"In Pursuit of the Rio"

George Schipporeit, Dean, College of Architecture Planning & Design, Illinois Institute of Technology

"The Search Goes On"

Charles Moore, O'Neil Ford Centennial Professor, School of Architecture, University of Texas, Austin

"Work"

Daniel F. Solomon, Architect, San Francisco

"Fixing Suburbia"

Spring 1987

Paul E. Dietrich, Partner, Cambridge Seven, Architects

"The Work of Cambridge Seven"

Eric Owen Moss, Architect

"Stonehenge Decoded Knossos Unloaded Manhattan Outmoded"

Adele Chatfield-Taylor, Director, Design Arts Program, National Endowment for the Arts

"Preserving for 2001"

Peter Walker, Landscape Architect, Educator, San Francisco, Cambridge

"Recent Work"

Olof B. Hansson, Architect, Educator, Finland

"The Finnish Wooden City"

Joseph M. Domzalski, President Megacorp, Mesa, Arizona

"American Cities, Economic Development, and the Death of Democracy"

Eric G. Pettersson, Head, Department of Planning, Aarhus, Denmark

"Urban Architecture and Planning in Denmark"

David Hicks, Tutor, University of Manchester, England

"Earthen Architecture Worldwide"

Robert W. Peters, Architect, Albuquerque

"Architecture in Mexico"

Rob Wellington Quigley, Architect, San Diego

"Mimo-Mnemonic Regionalism"

EXHIBITS

7 exhibits were scheduled at the School during the academic year 86/87. They were all supported by the Friends of the School of Architecture and Planning.

Fall 1986

September 1-September 30

Sicilian Architects

October 13-October 31

Built Architecture, the work of architects in Pordenone, Italy

November 1-November 30

Centuries of Architecture in Spain

Spring 1987

February 9-March 10

Work of Architecture Students at the University of New Mexico

A special exhibit for the visiting team of the National Architectural Accrediting Board

April 13-May 2

Spanish Earth Architecture

An exhibit organized by David Hicks, Manchester, England

May 18 through the summer

Work of Graduate Architecture Students at the University of New Mexico

THE SECOND ANNUAL CONVOCATION

The Second Annual Convocation and Awards Ceremony was held at the School on Saturday, May 16th, 1987, at 1:00 PM.

Degree recipients were announced by Dean Anselevicius and the announcement of scholarship and award recipients was made by Associate Dean Cohlmeier.

The guest speaker was David Rusk, Issues analysis manager for PNM, former Mayor of the City of Albuquerque. Mr. Rusk is also adjunct associate professor of planning at the School. The address spoke to the social and community responsibilities of professionals such as architects and planners.

There was a special exhibit of student work and a buffet. About 200 people, students, their family and friends, as well as faculty, were in attendance.

The convocation ceremony is becoming part of a continuing tradition at the School.

CHINESE DELEGATION VISITS SCHOOL

The School of Architecture and Planning was one of 5 schools in the West visited by an official delegation of the Architectural Society of China. The delegation consisted of three educators: Professor HUANG WEI KANG, Professor of Urban Planning, Department of Architecture, NanJing Technological Institute; Professor HUO WEI GUO, of the Department of Architecture, XIAN Northwest Building Technology Institute, and Professor WU ZHI GE, Deputy Head of the WU HAN Urban Construction Institute, Department of Architecture.

The delegation toured the School, the campus and the city, met President May and talked to Dean Anselevicius about the development and present conditions of architectural education in the USA. They met with faculty members discussing architectural and planning curricula, had lunch with students, and gave slide lectures on "Housing Design and Planning in China" both at the School and at a luncheon hosted by the AIA Albuquerque Chapter, which was well attended.

The delegation spent 2 1/2 days in Albuquerque. Their schedule was organized by Assistant Professor James Richardson. He and his wife, Kate, also hosted a dinner for the delegation at their house.

LAND USE

The School of Architecture and Planning, the Southwest Land Use Institute and Continuing Legal Education, State Bar of New Mexico cosponsored a conference on "Land Use."

The conference, coordinated by Anita Miller, Executive Director of the Southwest Land Use Institute, was held on March 5th and 6th at the Holiday Inn Journal Center in Albuquerque. The following members of our faculty gave presentations: Maria Varela, "New Agricultural Concepts for Rural New Mexico," Paul Lusk, "Rural Environmental Planning," and James Richardson, "Performance Zoning."

PLANNING NEWSLETTER

"New Mexico Planning," the Newsletter of the New Mexico Chapter of the American Planning Association (APA) is now edited at the Community and Regional Planning Program of the School.

STAFF

CECILIA MARY COLLIER has been in charge of the School's Resource Center and established a computer system for the Center. She is leaving to pursue a degree in Geology at UNM.

CHRISTINE CHIESL continues her fine work as Administrative Co-ordinator. She is also involved in computerizing administrative and budgetary information.

SANDRA NEEDHAM has been here for two years as Student Advisor and is highly valued by students and faculty.

TINA TAYLOR has been appointed Secretary to our planning program. We are sure she will be as much support to that program as she was as our Editorial Assistant.

CECILIA A. VIOLET has joined the School as Administrative Secretary, Secretary to the Dean and Assistant to our Administrative Co-ordinator. Originally from San Diego, she has been living in Northern California for the last eight years. We are pleased to have her join our staff.

In 86/87 we are fortunate to have two new visiting faculty who will be teaching in the Community and Regional Planning Program.

Ayse Yonder is coming from the University of California, at Berkeley. Her teaching areas are Land Use, Housing in Developing Countries, History of Cities, and Development Planning. Ayse holds degrees in Architecture and City and Regional Planning. A recent article on land markets in Turkey, written by Ayse, appeared in the June issue of the Journal of the American Planning Association. Ayse will be in residence for the Fall, 1987.

Claudia Isaac is coming from the University of California at Los Angeles. Her teaching areas are Rural Development Planning, Social Theory for Planners, Women in Development and Comparative Planning and Administration. Claudia holds degrees in Psychology and International Administration and Planning. She is now finishing research studies on the operations of rural cooperatives in Mexico and the strategic resources available to women in this process. Claudia will be in residence for the Spring 1988.

FULL-TIME FACULTY

ASSOCIATE PROFESSOR RICHARD R. ANDERSON is director of the Community and Regional Planning Program, was involved in preparing the appropriate documents for our accreditation application of the planning program, and successfully guided the site visit team of the Planning Accreditation Board through their three-day visit to the School. He continues as planning consultant to the Lassetter Family and the Sun

West Bank Trust Department in Albuquerque. He wrote an article "Some Comments on the Urban Pattern" for MASS Journal (Fall 1986).

ASSOCIATE PROFESSOR EDITH CHERRY is partner in the firm Cherry/See and was responsible for the programming and the Master Plan for Loma Linda Community Center and Park, and the Design Standards for the West Mesa Escarpment. She delivered a lecture to the Southwest Institute of UNM on Navajo Architecture, in preparation for which she made two special trips to Navajo Land (Canyon de Chelly and Monument Valley) to photograph recent and traditional architecture. She served as vice-chair of the New Mexico Cultural Properties Committee, was chairperson of the Implementation Committee for the Sector Redevelopment Plan for the University Neighborhoods, and was member of the Advisory Board to the Albuquerque Public Schools Drafting program. She was also co-chair for the New Mexico Society of Architects Design Conference for Fall 87.

PROFESSOR ROBERT C. COHLMAYER, has decided that 1987/88 will be his last year at the School before his retirement. He has been an essential part of the School as Associate Dean, and his teaching design studios and construction courses program have been a very important component in the overall curriculum of the architecture program. We will all miss him and wish him well.

ASSOCIATE PROFESSOR STEPHEN D. DENT continues his work as professional architect in the design of a number of houses in or near Albuquerque (in Association with Professor Nordhaus). He participated in a workshop of the Society of Building Sciences Educators, dealing with the development of new curriculum material and was on the faculty of the ACSA Summer Institute. Both meetings were held in July 86 in Oregon. He made presentations at the Albuquerque Solar Fest, and also lectured to the Albuquerque Kiwanis Club. He continues as a member of the Society of Building Science Educators.

The faculty reelected him to represent the School as Senator for a two-year period, as per senate rules.

ASSISTANT PROFESSOR TED JOJOLA continues his duties as Director of the Native American Program at UNM. His research efforts as Principal Investigator include an Apple Microcomputer grant, Wheels for the Mind Foundation, and a Retention Study of Native American Students at UNM. 1974-84. He is co-principal of a study co-sponsored by the Ford Foundation related to the Upper Rio Grande Traditional Water Users Working Group. He has acted as expert consultant to the Department of Commerce, U.S. Census Bureau Division of Racial and Minority Statistics, the Education Affairs Office of the Apple Computer Corporation, the Rio Grande Conservancy District, and the Museum of Indian Arts and Culture, New Mexico, and has been appointed to the advisory board of the Educational Affairs Office of Apple Computers. His publications include the Proceedings of the American Indian Conference on Energy Independence, "The Right to Fall," a report on retention of Native American Students, and a Forward to: "Irredeemable America, the Indians' Estate and Land Claims," General Editor Imre Sutton and published by INAD and the UNM Press 1987.

LECTURER PAUL LUSK continues his special interest in intensive, small-scale farming, and solar energy design on his own residence and acreage. He is a member of the Albuquerque Open Space Task Force, a member on the Mayor's Committee on a Comprehensive Environmental Improvement Program, an advisor to the Tonantzin Institute, an organizer of the South Valley Improvement Coalition, and an alternative member on the Bernalillo County Agricultural Task Force. He is senior editor, revising a text on Rural Environmental Planning with Frederic Sargent of the University of Vermont and Jose Rivera and Maria Varela of UNM, and has worked on planning guides and development proposals for Moon Mountain, the village of San Ysidro, Albera Ramch, and the village of Pajarito. In April he presented a paper at the Oster Van Dresser Conference at Ghost Ranch. He was appointed Research Fellow of the Southwest Hispanic Institute at UNM.

ASSOCIATE PROFESSOR NICK MARKOVICH organized and led the successful "Genesis of Form" workshop during June 1987, which included participants from Peru, Turkey, and the states of New Mexico, Kentucky, Alabama, California, Virginia, and Michigan. He was co-chair of the 4th annual ACSA conference on "The Beginning Design Student" at Arizona State University, and gave papers at the ACSA West Regional Conference at Arizona State in October 86 and at the ACSA National Conference in Los Angeles in March 87. He is a member of the AIA National Interiors Committee and is working on his Ph.D. dissertation "The Pueblo Revival Style and Early 1900's in the Southwest." His article on "Pecos: Patterns of Culture, Architecture and Archeology" was published in MASS Journal Volume IV.

He is coordinating the Basic Design sequence in the School, and he received a Presidential Recognition award from UNM for his service to the University.

PROFESSOR RICHARD NORDHAUS continues his involvement in Computer Applications to Architecture. He is a Steering Committee member of ACADIA, the Association for Computer Aided Design in Architecture and has attended the Houston ACADIA conference in October '86. As a professional architect, he has been involved in the design of houses and office additions (in association with Associate Professor Stephen Dent) and was responsible for illustrations for design guidelines for the US Postal Service (with M. Kantrowitz and Jay Farbstein).

EDWARD NORRIS continues his work as Director of DPAC, the Design and Planning Assistance Center of the School (for DPAC information see other parts of this newsletter). His research, funded by the Partners of the Americas, dealt with Rural Development Projects in the states of Tabasco and Chiapas, Mexico. He also consulted on the Facility Program for Granja Ecologica de Suchiapa, in Chiapas, Mexico. He is a member and past president of the New Mexico Partners of the Americas and chairman of the Rural Development/Appropriate Technology Committee.

on "Selling Land Through Job Development" to the International Association of New Town Administration in Mission Viejo, California. He is co-editor of the Newsletter of the New Mexico Chapter of the American Institute of Planners and was appointed faculty liaison advisor to the American Institute of Certified Planners. In Spring 1987, he spent six weeks as visiting professor at the School of Architecture and Urban Design, the University of Sao Paulo, Brazil, an exchange program funded by the United States Information Agency. He taught a course in land economics and land use controls, gave lectures in design studios, and studied urbanization in Brazil. Professor Siembieda will be delivering this fall a paper on "Uses of Mediation and Negotiation to Solve Development Disputes," for the International New Towns Association (INTA) meeting in London. The Association of Collegiate Schools of Planning (ACSP) accepted a paper written by William Siembieda and David Blankman to be presented at the ACSP conference this November in Los Angeles. The paper, entitled "Third Party Interventions," focuses on the uses of non-litigation techniques in local planning practice.

PROFESSOR ANNE TAYLOR received a New Mexico Arts Division grant to develop a Southwest curriculum on "Architecture and Children." She was curator for the exhibit on Architecture and Children in Seattle, advised the Seattle Public Schools on such a curriculum and did some training of teachers through the University of Washington in Seattle. She was speaker and workshop leader on the subject of Architecture and Children at the AIA Conference in San Francisco, and is on the AIA Environmental Education Network.

ASSOCIATE PROFESSOR ROBERT WALTERS returned refreshed from his one-year sabbatical in Spain and other parts of Europe and has been "translating" his sketches from his sabbatical through studio paintings and graphics. Some of his sketches were featured in the Centerfold of our 1986 newsletter. He lectured on "The Spanish Darks" in the School's Monday lecture series. He is the recipient of a Presiden-

tial Lectureship Award for 86-88. He is also a North Valley representative to the City of Albuquerque Planning Commission. In the Summer of 87 he is leading a group of architects from all over the USA on an architectural tour of Spain and Portugal for Professional Seminar Consultants, an organization with offices in Albuquerque and New York.

PART-TIME FACULTY

VISITING ASSISTANT PROFESSOR JOSEPH BILELLO received a New Mexico Humanities Council grant for a video on the Albuquerque archeology program. As a professional he was designer for a number of interiors in Albuquerque.

He chaired the AIA Albuquerque Chapter's Committee on Historic Resources which is publishing a book about the historic building survey in New Mexico. Also, he supervised the Historic American Engineers Recording Team measuring bridges in Wisconsin.

He will be leaving Albuquerque in the summer of '87, as he has been appointed Director of Educational Programs at the AIA National Headquarters in Washington, dealing with the "educational initiative" of the AIA.

STEVE BORBAS is working towards his Ph.D. in American Studies at UNM. He was consultant to the Albuquerque Parks Department and Albuquerque Zoo on a master plan for an aquatic park and has been working with John Blatnik and Associates as planner and Real Estate Development Analyst. He is President of the Board of Central Avenue Corridor Corporation, is on the Nob Hill Main Street Design Committee, and the TACA Awards Committee.

TERRY CONRAD continues his research work on structural systems and was represented in the New Mexico Sculpture Invitational in '86.

GUY R. JOHNS is an associate of Royston, Hanamoto, Alley, and Abey, Landscape Architects and Planners. He has been directing projects in Los Alamos, Sandia Labs, the University of New Mexico, the Santa Fe Community College, and the Albuquerque Zoo Lake. In 1986 his firm received an honor award for the UNM Valencia Campus by the New Mexico Society of Architects. He has written articles for Landscape Architecture Magazine, is a member of the Albuquerque Beautification Committee, the Albuquerque ASLA Joint Professional Committee, and the Albuquerque Comprehensive Review Committees. He has been guest lecturer at Texas Tech University, University of Arizona, and California State Polytechnic University.

ADJUNCT ASSOCIATE PROFESSOR RICHARD MARSHMENT continues his active work as a professional. He was chairman of the Regional Planning Sessions at the Transportation Planning Applications Conference in Orlando, Florida, in April '87 and spoke on "Long Range Socioeconomic Forecasting Using a Delphi Technique" at the same conference.

BAKER H. MORROW had his "Dictionary of Landscape Architecture" published by the UNM Press in August 87 and is working on the book "Gardens in the Sand: New Mexico's Historic Landscape Architecture" for the UNM Press. His firm, Morrow and Company, Landscape Architects, is the recipient of a great many awards, among them an "ordered" award by the Albuquerque Chapter of the American Institute of Architects and the Association of General Contractors for the Landscaping of Park Square, the AAA Building, and the New Mexico State Fair. He published articles, "A Vision of Light, the Sawyer House" for Albuquerque Living Magazine, March 87 and "Spanish Colonial Landscape Design in New Mexico" for Landscape Architecture Magazine, Fall

87. He is a member of the New Mexico State Registration Board for Landscape Architects, a member of the Urban Enhancement Trust Fund Committee of the City of Albuquerque, and a Member of the Albuquerque Pride Blue Ribbon Committee.

W. PAUL ROBINSON has been doing research at the Southwest Research and Information Center on the Northern New Mexico Water Project funded by the Ford Foundation and the Rio Puerco Education Project funded by the Public Welfare Foundation. He has been involved in the SouthWest Area Plan (SWAP) with the South Valley Improvement Coalition, and participated in Representative Lujan's South Valley Water Quality Task Force.

ADJUNCT PROFESSOR DAVID STEA is currently working under a three-year \$190,000 grant from the Fund for Improvement of Post-Secondary Education, U.S. Department of Education, on "Intercultural Communication in Environmental Design" and is working on a book entitled "A Tale of Two Cultures" comparing Anasazi housing settlements with pre-historic settlements in Anatolian, Turkey. He is the author of a great many articles dealing with planning and design within intercultural contexts. He is consultant to Designwrights in Santa Fe, participated in an AIA R/UDAT project in San Ysidro, California, in March 1987, and gave a workshop/seminar on the role of culture in Historic Preservation, through "Recursos" Santa Fe in January 1987.

The School graduated a total of 83 students in 86/87.

Bachelor of Arts In Architecture

Edward Avila

Thomas Belyea

Colleen Boyd

Elizabeth Calhoon

Jay Cone

Linda Cruse

Jessica Dixon

Jim Duran

Debbie Fernandez

Gloria Garber

Debora Hankinson

Steven Hergert

Michael Howell

Jennifer Jones

Daniel Kemp

John Kirkpatrick

Michael Kersting

Denise Lund

Yin Kiat Lim

Daniel Macias

Lisa Martinez

David Melboom

Shell Meuir

Walter Mitchell

Andre Montalvan

Mary Piscitelli

John Ponce de Leon

Thomas Powers

Brad Rieck

Tony Rivera

Barbara Ruiz-Benning

Phillip Scott

Todd Shipman

Oluwaseun Sofola

Brad Treseder

Michael Trujillo

Jon Vangaasbeek

David Day

Bachelor of Arts in Environmental Design

Wesley Bayless

Tim Berry

Sarah Blewett

Jason Fink

Gabrielle Perry

Janet Shevis

Master of Architecture

Catherine Colby (distinction)

Craig Gosling

James Green

Frank Fuchs (distinction)

Kurt Kretvix

Terry Leach

Tain-Fuh Lin (energy emphasis)

Phillip Lust

Nelly Marlon (distinction)

Peter Marquez (distinction)

Corinne Moyal (distinction)

Chris Purvis (distinction)

Michael Smith

James Noble

Cindy Terry (distinction) (energy emphasis)

Jon Ward

Dianne Wilkowski

James Williams II (distinction)

Master of Community and Regional Planning

James Brantly

John Cabral

Linda Christensen

Andre Dumont

Jay Eberle

Tai Ehimwenma

Jeffrey Evans

Elisha Gana

Ruth Lambert

Cathy Nelson

Darrel Roberts

Marian Shirin

DEAN'S LIST

The following undergraduate students were placed on the Dean's list in Fall 86 and Spring 87:

Fall 1986

Mr. Timothy C. Asselin

Mr. Wesley R. Bayless

Mr. Thomas L. Belyea

Ms. Julia J. Berman

Mr. Bryan J. Bobrick

Mr. Herbert C. Bohannon

Mr. Charles D. Day

Ms. Jessica R. Dixon

Ms. Cynthia S. Dobson

Mr. Jason E. Fink

Mr. Kendal W. Gilles

Ms. Debora S. Hankinson

Mr. Steven L. Hergert

Ms. Jennifer S. Jones

Ms. Denise Lund

Ms. Luella M. Noles

Ms. Gabrielle A. Perry

Mr. F. John Ponce de Leon

Mr. Thomas D. Powers
Mr. Scott A. Redabaugh
Mrs. Barbara Ruiz-Benning
Mr. Todd Shipman
Ms. Martha S. Taylor
Ms. Shelly L. Vanscyoc
Ms. Laurie E. Weatherford
Ms. Kimberly K. Werner
Ms. Wendy E. Wheeler
Mr. Scott P. Wrasman

Spring 1987

Ms. Margaret A. Aguilar
Mr. Edward J. Avila
Mr. Thomas L. Belyea
Ms. Amanda J. Boers
Ms. Dawn Brant
Mr. Wesley Burgess
Ms. Jessica R. Dixon
Ms. Cynthia S. Dobson
Mr. Patrick Gay
Mr. Kendal Giles
Ms. Debora S. Hankinson
Mr. Steven L. Hergert
Mr. Leo L. Lucero
Ms. Luella M. Noles
Ms. Gabrielle A. Perry
Mr. F. John Ponce de Leon

Mr. Ruben Ramirez

Mr. Scott A. Redabaugh

Ms. Lisa K. Scott

Mr. Jon D. Vangaasbeek

Ms. Kimberly K. Werner

Ms. Wendy E. Wheeler

Mr. Scott P. Wrasman

Ms. Ruth Elizabeth Neal

Ms. Sheri Jo Tollefson

PHI KAPPA PHI

On April 29th, undergraduate student Jennifer S. Jones and graduate student James F. Noble were initiated into Phi Kappa Phi at a special ceremony at the University Conference Center. Membership in Phi Kappa Phi is awarded to students with the highest scholastic standing. For a senior at the University of New Mexico to qualify, the individual's accumulative grade point average had to be a 3.75 or above. Graduate and Professional students were nominated by the respective colleges/schools.

PHI BETA KAPPA

Undergraduate student, Charles David Day, was inducted into Phi Beta Kappa, an honor society. He will be taking some time off from his studies and will be traveling and sketching in Italy during 1987/88.

Curtis Scharfenaker, a graduate student, was awarded \$150 from the Graduate Student Research Allocations Committee, to help in his research in Cardenas, Mexico, programming a new college for his final independent project at the school. This research proposal received the highest rating (187 out of 200 points).

ATHLETICS

Kim Werner, a student in the Environmental Design program who is also on the Dean's list of the School of Architecture and Planning, represents the university's track and field team in the high jump. Her best jump to date is 5' 9" -- just one inch away from tying the University's record.

STUDENT AWARDS 1985/86

The School is pleased to announce both national and "in house" awards that have been given to students of the School.

NATIONAL AIA AWARDS

Henry Adams Medal to the first ranked graduating Architecture graduate student:
Peter Marquez

Certificate of Merit to the second ranked graduating Architecture graduate student:
Cindy Terry

Alpha Rho Chi Medal to the graduating Architecture student who has shown leadership, service and merit: Kurt Kretvix

FRIENDS, SCHOOL OF ARCHITECTURE AND PLANNING MERIT AWARDS

To first-year undergraduates in Architecture (Book each): Brook Finch, Meridith Taylor

To a second-year undergraduate in Architecture (\$400 share): Samuel Sterling, Scott Stultz

To a third-year undergraduate in Architecture (\$400 share): Kendal Giles, Thomas Ortiz

To a fourth-year undergraduate entering the architecture graduate program from UNM (\$400): Mark Miter

To a first-year graduate N.A.G. student (\$400): Geoffrey Adams

To a fifth-year graduate in Architecture (\$400): Young Hee Han

To a sixth-year graduate in Architecture (\$400): Kramer Woodard

To a first-year graduate in Planning (\$400): Secundo Guzman

To a second-year graduate in Planning (\$400): Sally Van Etten

La Cienega Prize (\$250) to an outstanding student in design: David Reddy

Frontier Scholarship (\$500) to a fourth-year student entering this Architecture Graduate program from UNM: John Ponce de Leon

Albuquerque AIA Chapter John Heimrich Scholarship (\$350) to a fifth-year Architecture student: Morgan Reider

Albuquerque AIA Chapter Scholarship (\$100) to a third-year Architecture student: Scott Redabaugh

Santa Fe AIA Chapter John Gaw Meem Scholarship (\$400) for Outstanding work in Design: Wayne Wilburn

Women in Construction to third-year women Architecture students with outstanding scholastic achievement (\$900 ea.): Denise Matyslack, Julia Berman

Lath and Plaster Industry Scholarship (\$800) to an undergraduate or graduate student with financial need and academic ability: Luella Noles (graduate student)

New Mexico Masonry Association Scholarship (\$100) to an undergraduate or graduate student with financial need and academic ability: Thomas Barr (third-year undergraduate student)

NATIONAL AIA/AIA FOUNDATION SCHOLARSHIPS

Edward Boniface was selected as 1987 AIA/AIA Foundation Scholarship (\$1,000) winner.

SPECIAL AWARDS

Weathermatic, a landscape and turf irrigation company, offered 3 awards for student projects in the class on plant material taught by Baker Morrow. Best Design Award went to Mark Dear, honorable mentions went to Paul Sovereign and Robin Benning. Steve McCarter, representative of the firm, handed out the awards.

FRONTIER SCHOLARSHIP

The School is thankful to have been the recipient of the annual FRONTIER SCHOLARSHIP of \$500, by the owners of the Frontier Restaurant, Larry and Dorothy Rainocek. This award goes to a UNM fourth year student entering our graduate program.

The Frontier Restaurant, our good neighbor, is an institution frequented by faculty, students and staff. It is famous, beyond a great variety of culinary fare, for its very special cinnamon rolls, whose calorie count will remain a deep secret. The award to a fourth year student is very appropriate as he/she has already experienced life at the Frontier.

LUNCH BOX SERIES

The series organized by students in Fall 86 included the following six films:

"Small is Beautiful," a portrait of E. F. Schumacher

"Aspects of Symmetry," dance portraying reflections, rotations, and translations.

"Design and Nature," exploring geometry and patterns in nature, as related to architecture.

"Richard Meyer," a portrait of the architect.

"Chicago's Modern Architecture," a visual celebration.

"Social Life of Small Urban Spaces," an examination of urban open spaces.

SPECIAL EVENTS

Students at the School, with a special effort by Terry Lynch, started a "cultural" lunch series in the patio of the School. Two very special events were held.

The first a performance of Flamenco dancing; was by dancers from the College of Fine Arts, Theater Arts Department: Carolina Holquin, Martha Taylor, Bruce Cummings, and John Jaramillo. The musicians were Eric Patterson and Bill Pope, and the choreographer was Eva Encinas, Lecturer in the Department of Theater Arts, College of Fine Arts

The second was a recital by the Mo Art Duet. Richard Rivera, with the New Mexico Symphony Orchestra, is an ex-NAG and currently is in 401 studio. Elizabeth Spencer, a private teacher is a graduate of Boston University School of Music. Students at the School, with a special effort by Terry Lynch, started a "cultural" lunch series in the patio of the School. Two very special events were held.

NEW MEXICO PLANNING, the newsletter of the New Mexico Chapter of the American Planning Association, has set aside newsletter space for a student column for students from UNM and NMSU. Student representative from UNM were Ruth Lambert (Fall 86) and Linda Christensen (Spring 87).

NEWS FROM THE AMERICAN INSTITUTE OF ARCHITECTURAL STUDENTS (AIAS)

The school year 86/87 was a busy time for AIAS. Besides the normal student activities, we were busy getting ready for the accreditation team's visit. The National Forum in Phoenix was a success, and many of our students attended.

Several competitions were held to increase student participation in AIAS. A collage charrette was held at Christmas. Christmas cards were again offered for sale, as well as T-shirts featuring such slogans as "Basement Children" and "Route 66." The upcoming year will see a competition for a new T-shirt design and new Christmas cards.

The Beaux Arts Ball was a big hit although attendance was down from last year. It featured two local popular bands, and the theme was a black-and-white masquerade. Next year's Ball should be even better as we hope to open it to the university as a whole and to invite more professionals from the community.

The Noon Time Film Series featured films about artists and architects. In addition several students piloted a performing arts series, which we hope to continue in the future. Featured performances included Spanish flamenco dancing and a Mo-Art Duet violin concert. Both events drew large audiences to the outside court.

In May the annual Fiestas were held on Johnson Field AIAS designed and sponsored a food booth using a space frame designed by Terry Conrad's Structures class. After the Fiesta, the frame was reassembled as a stage/entry for the courtyard.

In addition, AIAS aided the MIT/UNM Urban Design Studio in Beijing, China by donating ten T-shirts as good-will gifts for the Chinese students. \$100 was presented to Karen Hesse on behalf of AIAS to help pay her tuition. We hope to be able to continue to help students find financial aid for various projects such as this trip.

Our goals for the coming year are to continue to grow, to increase the level of interaction with faculty and professionals, and to increase our funding in order to provide more services for our students.

The following students are AIAS officers for 87/88:

President: M. Robin Benning

Vice President: Todd Pilgreen

Secretary: Ruth Niel

Treasurer: Brandon Sprague

ALUMNI (AE)

Below news from alumni(ae).

JOE BOEHNING (Bachelor of Architecture, 1961). Chairman of the Boehning Partnership, Inc., Albuquerque. Has been appointed vice chairman of the City of Albuquerque Environmental Planning Commission, 1987.

GORDON SCOTT BONHAM (Bachelor of Architecture, 1965) who is an urban systems researcher at the College of Urban and Public Affairs at the University of Louisville, published a paper on "Use of Health Care Before and During Cilitate" in Medical Care, February, 1987 and presented a paper "Unmet Indigent Health Care Need in Louisville, Kentucky" at the Urban Affairs Association annual meeting in Akron, Ohio in April, 1987.

GENE DYER (Bachelor of Arts in Architecture, 1968) also received his Master of Architecture in Urban Design from Harvard. His work in Jerusalem (82-83) was published in Moshe Safdie's book, "The Harvard Jerusalem Studio". In 1986 and 1987, his firm "Urbanitas Studio," Dyer and Dyer (Gene and Dorothy) have done urban design work in connection with the Albuquerque downtown convention center, Hotel and Urban Boulevard Development.

MICHAEL BELTRAN (Bachelor of Architecture, 1969). After practicing architecture as a design professional for 18 years in Albuquerque, Michael has taken a sabbatical from the drawing board to develop a technical information service for architects. This technical assistance deals with the concrete and masonry industry and involves innovative detailing to avoid performance problems in the field. The service includes assistance to architects during schematic and preliminary phases, to evaluate building materials, as well as cost estimates.

AUGUSTUS F. KECK (Bachelor of Architecture, 1969) has had his own architectural firm in Yuma, Arizona for 12 years. Does all type of design in Yuma County, the Mojave County area and Southern California. Has NCARB certificate and Arizona and California license. He is married with two children.

F. WAYNE GEORGE (Bachelor of Fine Arts in Architecture, 1970) now works in Tigard, Oregon, a suburb of Portland, as Director of Facilities and Property Management for Multnomah County. This entails the responsibility of maintaining the county's 33 owned and leased facilities and overseeing all remodeling and construction of county buildings. He has a staff of 47 ranging from carpenters to HVAC engineers to administrators. He writes that friends told him when he moved to Oregon in 1980 that he would be back in five years; he proved them wrong, as Oregon is a beautiful place to live, with many fun things to do, and with wonderful people.

JOHN C. BLAND (Bachelor of Fine Arts in Architecture, 1971) is staff architect, MCP office at Kirtland Air Force Base in Albuquerque. He has been involved in such diverse projects as the renovation of the Officers Club-East (\$2.5 million), renovation of the Civilian Personnel building (\$1.5 million), design and installation of furniture systems in various buildings; and, is project manager for dozen jobs ranging in scope all the way to \$54 million. He is trying to initiate the I.D.P. program at the base for the increased numbers of interns.

GERALD H. KARMELE (Bachelor of Fine Arts in Architecture, 1972) has joined Stone and Adler, Inc., Chicago, as Vice President and Director of Production Services. He will have responsibility for the agency's production, keyline, typesetting and art buying department. Prior to that he was one of the 5 founders of GSP Productions, Inc., a direct-response graphic arts company; as well as, Vice President/General Manager of Handelan Pedersen, Inc.

GLADE SPERRY (Master of Architecture 1972) is partner in the Albuquerque firm of Westwork Architects. He was the project architect on the Center for Non-Invasive Diagnosis, a medical facility for the University of New Mexico. This project was featured on the cover of the January 1987 issue of Architecture magazine. He was also the winner in April of an architectural competition for the design of a vacation residence at Rancho San Miguel, a development near Las Vegas, NM. He was assisted on the project by Cindy Terry, an architect intern with the firm and an 1986 M.Arch graduate from UNM.

ROBERT P. BECKER (Bachelor of Fine Arts in Architecture, 1974) is director of Architecture and Planning for G.W. Walker & Co., in Albuquerque, and has completed a number of real estate development projects. He supervises a small staff which involves an intern, Ross Small, who has a masters degree in architecture from UNM. Among other objects completed are Bear Canyon Plaza, Osuna and Eubank, Goodman's, Inc., office furnishings on the Pan American Freeway and the Rio Bravo Shopping Center at Isleta, on Rio Bravo Boulevard, is in the design stage.

GEORGE SANDERS (Master of Architecture, 1975) is architect for the Craddock Development Company, Albuquerque, since 1983. Among his projects are the Newport office building, Newport business center, phase 3, B.D.M. labs, and a 40,000 sq. foot sales and service facility for Hewlett Packard. The New Mexico Chapter of Associated Contractors presented him their 1986 architectural and engineering excellence award for the Hewlett Packard building. He is also serving as the Mayor's appointee to the Architect Engineer Selection Advisory Committee for the City of Albuquerque.

P.G. McHENRY, JR. (Master of Architecture, 1974) has his own architects office in Albuquerque. He has been involved in a variety of projects. As an architect, he designed the Neighborhood Shopping Center at 6501 4th Street, SW., the first major

commercial building of adobe since World War II. As historic architect consultant for National Register Property, he has advised on the rehabilitation of Sky City, Acoma Pueblo, NM. He has been involved in the Adobe Research Project at Fort Selden, NM (a ten year project). The Getty Research Institute will participate in the expansion of this research. He has also donated his personal library and photographs on adobe to the John Gaw Meem Room, at the Zimmerman Library the University of New Mexico, to be known as the "Paul G. McHenry, Jr. Collection."

KEVIN S. MUNROE (Master of Architecture, 1974) has his own firm in Wakefield, Rhode Island. His project for the Cross Mills Library was recognized in the Library Journal (December, 1986), as "an outstanding example of how shapes, colors and textures can create an environment that is both pleasing and functional." His most recent project is a new headquarters building for the Rhode Island Audubon Society. He is currently relocating his office to a shingle style church (c. 1890) which he is renovating.

MAURICE CUTLER (Bachelor of Fine Arts in Architecture, 1975) is registered in Colorado and is staff architect with Patrick Davis Associates, AIA in Montrose, Colorado. They have just finished plans and started construction of an indoor swimming pool for the recreation district, and are beginning the designs for a new airport terminal.

RICHARD S. STEFFEY (Bachelor of Fine Arts in Architecture 1975) is owner of "Residential Designs Plus" in Albuquerque. He opened this company in 1985 and specializes in homes. He associates with other architects on a variety of projects. He holds a contractor's license and has taken steps to become registered as an architect. He recently completed a large house in Sandia Heights and is about to start construction of another house with a 50% passive solar-heated design in the Terra Monte subdivision.

LLOYD W. GOLDRICK (Bachelor of Arts In Architecture, 1976) is project manager and architect intern for Knight Seavey Design, P.C. in Albuquerque and is trying to complete his Internship to sit for the registration examination in 1988.

RAOUF EL BELEIDY (Bachelor of Art In Architecture, 1977) lives in Santa Monica, California. He is architect/specification writer for the Los Angeles Unified School District. He moved to California in 1985 after working in Albuquerque for Antoine Predock, Dale Crawford and Leedshill/Herkenhoff. He is rewriting the entire set of school standards, which have not been updated since 1966. He is now registered in California as well as in New Mexico, and hopes to become staff architect for the district, which is the second largest in the nation, after New York City.

JOHN C. McNARY (Master of Architecture, 1977) is architect, CAD and facilities manager for Kevin Watts Architects in Salt Lake City, Utah. He has been involved in computer integrated facilities management working with the Ryan Group, who have developed the C.I.F.M. System for Merrill Lynch and the World Financial Center in New York and with Data General. They are bringing to the west the most comprehensive computer integrated facility management capability. The system integrates standard architectural aspects with aspects not traditionally associated with architecture, such as facility maintenance management, energy management, cable and communications management, security management, etc.

BRIAN KUCKELMAN (Bachelor of Arts in Architecture, 1977) is a registered architect in charge of design-built projects for Pace Construction, Inc., in Tucson, Arizona, ranging from small commercial remodeling to new shopping centers.

VERONICA MORENO DUTCZAK (Bachelor of Arts in Architecture, 1977) is project manager (sometimes designer), for KDC architects in Denver, Colorado, a relatively small

firm of architects, engineers and space planners. The firm specializes in interiors and, she wears various "hats" as the need arises. The firm is now attracting clients from out-of-state.

RICHARD T. BRAUN (Master of Architecture, 1978) is architect with Arrison, Greer, Inc., in Albuquerque, and, is project architect on the Santa Fe Community College Phase I, new campus, which includes administrative office facilities for journalism, radio, TV, sciences, computer science, library, campus center and extensive outdoor courtyards. He is also project architect for the Santa Fe National Guard Amory. He is chairman of the Awards and Fund Raising Committee for the AIA Albuquerque chapter.

THOMAS LEE LUCERO (Master of Architecture, 1978) has his own firm in Albuquerque. Latest projects are the John Rinaldi Apartments in Bernalillo (the largest apartment project in Bernalillo). In progress are a custom residence in Albuquerque and a HUD 202 Housing project for the mentally and physically handicapped for the Sangre de Cristo Housing Inc., to be located in Pojaque and Mora, New Mexico. These are 15 units each of semi-independent living units.

SUZANNE MILLER (Master of Architecture, 1979) tells us that since graduating, she and her husband adopted a child Karen (age 8), and, have since become parents of two sets of twins - Tara and Tanya (age 5?) and Sean and Nicole (age 3). She writes, "Caring for these beautiful children has taken most of my creative energies for the past few years; but, I have not lost my love for architecture and intend to become involved in some way in the future."

DAVID A. SCHUTZ (Bachelor of Arts in Architecture, 1979) is president of the firm, Santa Fe Planning, Inc., Santa Fe. He was elected to the Santa Fe City Council in March 1986 for a four-year term.

THE REPORT OF THE COLLEGE OF ARTS AND SCIENCES

JULY 1, 1986 - JUNE 30, 1987

FRED GILLETTE STURM, INTERIM DEAN

COLLEGE OF ARTS & SCIENCES

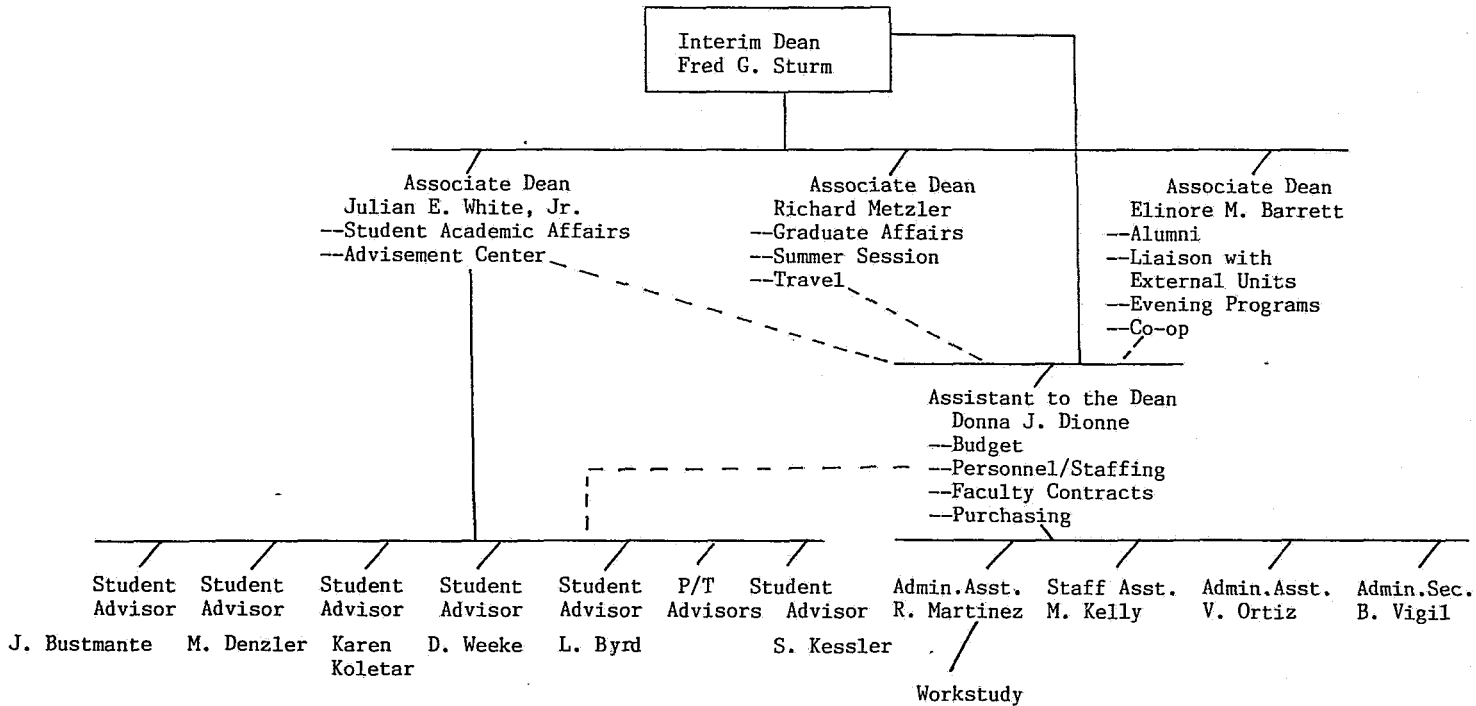
Annual Report, July 1, 1986 - June 30, 1987

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ORGANIZATIONAL CHART

Dean's Office



I. ADMINISTRATION

After serving six and one-half years as Dean of the College, F. Chris Garcia accepted appointment as Vice President for Academic Affairs effective January 1, 1987. Fred Gillette Sturm, Chair of the Department of Philosophy, stepped in as Acting Dean during the month of December while Dean Garcia was on annual leave, and continued as Interim Dean for the 1987 Spring semester, stepping down on June 30. Bryan Hobson Wildenthal assumed the position as Dean of the College on July 1, 1987.

Smoothness of operation was maintained during the seven months without a regular dean largely because of the continued operation of the experienced and efficient Associate Deans and members of the staff of the Office of the Dean of the College of Arts and Sciences. Remaining as Associate Deans, who serve half time, were Elinore M. Barrett (Geography), responsible for undergraduate curriculum and special projects such as co-op education, relations with other institutions including the Albuquerque Public Schools, and the London Semester; Dick Metzler (Mathematics and Statistics), responsible for directing the summer session, graduate studies, and faculty travel; and Julian E. White, Jr., who directs the advisement center and is responsible for student affairs. Donna J. Dionne continued as Assistant to the Dean with responsibility for general oversight of the College budget and faculty contracts, the operation of the Office, and college-wide staff personnel management and purchasing. Virginia Ortiz and Raquel Martinez were Administrative Assistants to the Dean and the Assistant to the Dean, respectively; Beatrice L. Vigil, Administrative Secretary; and Mary L. Kelly, Staff Assistant.

571. Early in the 1987 Spring semester Donna Dionne accepted a new position as budget director in the Office of the Vice President for Academic Affairs, but graciously agreed to continue to exercise her responsibilities as Assistant to the Dean until the new Dean had arrived in July. Virginia Ortiz left the Office of the Dean on June 19 to join the staff of the Vice President for Academic Affairs and was replaced by Mari A. Ulibarri.

The twenty department chairs continued to be the key administrators in the College, overseeing the academic and research activities of their respective faculty, providing visionary leadership for their departments, and maintaining high standards despite the morale-threatening problems of budget cuts and insufficient funding, non-competitive faculty salaries, space limitations, and a university administration still suffering from a long period of instability. Fred Bales replaced Bob Lawrence as Chair of the Department of Journalism. Linda Cordell resigned from the faculty effective the end of the 1986 Fall semester and was replaced as Chair of the Department of Anthropology by Karl H. Schwerin. Tamara Holzapfel resigned as Chair of the Department of Modern and Classical Languages effective the end of the 1986 Fall semester and was replaced by Dick Gerdes. George Frederick Schueler was Acting Chair of the Department of Philosophy during the 1987 Spring semester and Summer Session.

Anticipating the report of the President's Strategic Planning Committee, Dean Garcia appointed a new standing committee on Governance and Planning, chaired by MacAllister Hull (Physics and Astronomy), to prepare appropriate responses to the evaluations and recommendations made by the Strategic Planning Committee's sub-committee on the College of Arts and Sciences. The

Committee had several brain-storming sessions during the 1986 Fall semester, but due to the delay in the publication of the Strategic Planning Committee report did not meet during the 1987 Spring semester.

Much important work at the College level was done by dedicated and hard-working faculty members of committees, especially Tenure, Promotion, Graduate, and Curriculum committees. We owe these colleagues a strong vote of thanks for their contributions to the life of the College.

II. ACADEMIC STANDARDS AND PROGRAMS

The Arts and Sciences Faculty approved four new degree programs:

1. Bachelor of Arts with a Major in Music. The curriculum for the Major will be administered by the Department of Music of the College of Fine Arts. Students will fulfill all other requirements for receiving the baccalaureate degree from the College of Arts and Sciences.

2. Baccalaureate Minor in Peace Studies. This multidisciplinary Minor will be administered by an interdepartmental committee chaired by MacAllister H. Hull (Physics and Astronomy).

3. Baccalaureate Minor in Italian Studies. This multidisciplinary Minor will be administered by an inter-collegiate and interdepartmental committee chaired by Christiane Joost-Gaugier (Art, College of Fine Arts).

4. Baccalaureate Minor in Secondary Education. This Minor will be administered by the Department of Curriculum and Instruction in Multicultural Teacher Education (CIMTE) of the College of Education.

The College was invited by the Ford Foundation to submit a proposal related to the Foundation's program of Literacy in the Liberal Arts. The

proposal has been funded in the amount of \$50,000 for the 1987-88 and 1988-89 academic years. The first year will be devoted to faculty development, and the second to pilot undergraduate seminars. The undergraduate seminars will be designed to introduce students to each of the disciplines in intensive, small-group classes which will focus on the development of thinking, reading, and especially writing within the discipline. It is hoped that seminars will be developed in each of the College's twenty departments. The proposal indicates that it is the intention of the College administration to recommend that Arts and Sciences students take two undergraduate seminars, one of which could be in the major field, as a graduation requirement. The College Curriculum Committee will assume responsibility for administering the grant and establishing the seminar program.

The College administration responded affirmatively to an invitation from the staff of the State Board of Education to collaborate with the College of Education in addressing the question of how teacher preparation programs need to be modified in order to meet the new "Broad-Field" areas of competence for public school licensure. Chairs of departments in the natural sciences and the social sciences (including History) met twice to draft tentative proposals. The former group opted for a regular major with a distributive minor in the other sciences; the latter group favored an interdisciplinary major without a minor. Meetings with counterparts from the College of Arts and Sciences at New Mexico State University in natural sciences, social sciences, language skills (English, Journalism, and Speech Communication), and mathematics, and personnel from both Colleges of Education were scheduled for July 20 and October 9 in order to coordinate programs of teacher education in both institutions.

Chairs of the Departments of Journalism and Speech Communication have been meeting with the Chair of the Department of Theatre Arts of the College of Fine Arts to draft a proposal for an interdisciplinary and intercollegiate degree program in Communication.

An ad hoc committee met during the 1987 Spring semester to consider a possible multidisciplinary, intercollegiate Minor in Folk Music of the Southwest. The Deans of the Colleges of Arts & Sciences and Fine Arts appointed Peter White (American Studies, English) to chair a committee to continue to explore the feasibility of such a program.

III. RESEARCH AND SCHOLARLY ACTIVITY

The appended department reports and the individual faculty biographical supplement forms provide detailed information about publications, papers presented to professional conferences, and research projects of the College faculty. Taken together it is an impressive record which reveals the high level of academic achievement of our faculty.

New research and training grants and funded renewals marked a significant advance over the 1985-86 figures. The grants totalled \$8,725,980, an increase of \$3,805,689. There were 182 grants, an increase of 21, involving 90 faculty, 14 more than the previous year, and 14 departments, or 1 more than in 1985-86. The 6 leading departments in size of grant monies:

Anthropology (includes OCA [\$1,422,982] and Maxwell [440,613])	\$4,608,171
Physics & Astronomy (includes CAS [\$484,895])	\$1,708,661
Chemistry	\$1,658,169

Biology	\$1,562,084
Geology	\$ 838,496
(includes Meteoritics [\$216,175])	
Psychology	\$ 572,081

Eleven scholarly journals were edited by A&S Faculty members:

American Literary Realism (James Barbour, Robert Fleming)
Comparative Social Research (Richard F. Tomasson)
Journal of Anthropological Research (Phillip K. Bock)
Journal of Chinese Studies (Fred Gillette Sturm)
Latin American Research Review (Gilbert Merkk)
New America: A Journal of American and Southwestern Cultures
New Mexico Historical Review (Paul Andrew Hutton)
News Computing (Clark Edwards)
Shakespeare Studies (Barry J. Gaines)
Southwestern Review of Management and Economics (Roger D. Norton)

Groundwork for an Institute for Computational Research was laid by Stanley Steinberg, Professor of Mathematics and Statistics, and Patrick Roache, President of Ecodynamics Incorporated and Visiting Professor of Mathematics and Statistics. Preliminary discussions, led by Richard J. Griego, Chair of the Department of Mathematics and Statistics, were held concerning the establishment of an Institute for Nonlinear Science to complement the Center for Nonlinear Studies at Los Alamos National Laboratory.

In final planning stages is the Criminal Justice Institute, a joint UNM/TV-I project, directed by Paul D. Steele, Assistant Professor of Sociology and Director of the Criminal Justice Program.

Research Centers and Institutes within the College include:

Center for Advanced Studies (Marlan Scully)
 Institute of Astrophysics (Jack Burns)
 Institute of Meteoritics (Klaus Keil)
 Institute for Organizational Communication (Kenneth D. Frandsen)
 Institute of Public Policy (Paul Hain)
 Maxwell Museum of Anthropology (Garth L. Bawden)
 Museum of Southwestern Biology (J.S. Findley)
 Office of Contract Archaeology (Joseph Winter)

Departments and faculty members of the College collaborate in the following Research Centers and Institutes housed at UNM:

Center for High Technology Materials (Steven Brueck)
 Institute for Applied Research (Lee Zink)
 Latin American Institute (Gilbert W. Merckx)
 National Ecology Center (Thomas H. Fritts, Norman J. Scott, Jr.)
 Southwest Hispanic Research Institute (Jose A. Rivera)
 Southwest Institute (Jerry Williams)
 Technological Application Center (Stanley Morain)

IV. STUDENT CREDIT HOUR GENERATION

Table 7 ("Student Credit Hours by Department") shows that total Student Credit Hours generated by College departments totaled 266,115, an increase of 1.83% over the 1985-86 total of 261,343.

Departments registering the largest percentage of increase (over 10%)

were:

Linguistics	46.35%	2144 from 1465
American Studies	31.04%	2305 from 1759
Geography	18.95%	5606 from 4713
Communicative Disorders	16.99%	2506 from 2142
Anthropology	15.68%	7966 from 6886
Philosophy	10.03%	6376 from 5795

Departments with the largest SCH generation (over 15%) were:

Mathematics and Statistics	41,793	(-2.87%)
English	30,686	(-3.28%)
Psychology	26,321	(+1.77%)
Modern and Classical Languages	19,002	(+5.19%)
Economics	16,792	(+11.85%)
Biology	16,792	(+11.85%)
History	15,830	(-4.0%)
Sociology	15,735	(+4.34%)

V. ADVISEMENT AND RECORDS CENTER

Under the supervision of the associate dean for student academic

affairs, this section of the A&S administration is responsible for student advisement, admissions, graduate, probation, suspension, and all aspects of student record keeping on the college level. Annually, about 15,000 students receive personal advisement, with an additional 20,000 advised by telephone. During peak periods of registration, especially in November, we see as many as 1,200 students a week. Advisors are available daily throughout the year, between 8 a.m. and 5 p.m., including the noon hour, and from 5 p.m. until 6 p.m. on Wednesdays. In addition to the items mentioned above, the office also handles all student petitions and is often the initial step in student grievance procedures. Advisors are also responsible for all pre-professional advisement, primarily for admission into such professional schools as law, medicine, dentistry, veterinary medicine, etc. Addition of computer terminals, connected with the central university records, has facilitated record accessing responsibility so that we managed to do the same tasks with one less advisor this year.

One or more advisors, as usual, participated in such extramural activities as the Career Fair, Advisement Centers Update Conferences, Pre-Med Day, advisement sessions at the Gallup, Valencia, and Los Alamos branch campuses, Adult Re-Entry Committee, monthly meeting of advisement centers, College Enrichment Program Orientation, ACT Conference, etc.

One of our most important responsibilities is service on the Health Sciences Advisory Committee which studies the dossiers and applications for admission to medical and dental schools, interviews applicants, and writes evaluations for medical and dental schools throughout the country. This committee is chaired by the associate dean and consists of two professional advisors for each applicant, serving on a rotational basis, and a member each

from the faculty of the departments of biology and chemistry.

The associate dean and one advisor, Don Weeke, served during part of the year on the Computer Assisted Advisement Steering Committee. This committee was constituted in order to determine the direction of computer assisted advisement at UNM, to set forth the basic concepts and general requirements of a computer assisted advisement system, to determine the definition and scope of the computer assisted advisement project, and to represent the needs and requirements of the academic units during the analysis of this system. The committee met frequently during the year and was able to produce a "Preliminary Requirements Document for Computer Assisted Advisement in May 1986. Early in the 1986-87 year this project was placed on "hold" due to higher computer priorities given to other projects.

The A&S Undergraduate Academic Affairs Office is composed of the following personnel: Julie Bustamante, Linda Byrd, P. Monique Denzler, Shari Kessler, Karen Koletar, Don Weeke, and Associate Dean J.E. White, Jr.

VI. GRADUATE COMMITTEE

The A&SGC met twice during the fall semester and three times during the spring semester. Following are summarized minutes of the A&SGC meetings for 1986-87.

September 26, 1986

Dick Metzler was re-elected chair for 1986-87. The following appointments were ratified: Fred Schueler of Philosophy, Jack Condon of Speech Communication (later replaced by Jan Schuetz of the same department

and then by Richard Coughlin of Sociology due to time conflicts), and Dick Metzler to represent the committee on the Senate Graduate Committee. Also, Alex Stone of Mathematics and Statistics, Dick Gerdes of Modern & Classical Languages, and Shaul Ben-David of Economics were the appointments to the Faculty Subcommittee. The committee approved a request of American Studies concerning dissertation directors from outside the department.

October 24, 1986

The committee examined the timetable proposed by the Senate Graduate Committee for graduate students and made suggestions. The chairman reported on the activities of the TA subcommittee of the Senate Graduate Committee.

February 11, 1987

The only agenda item was the revision of the A&SGC implementation statement to correspond with the new decentralized procedure.

March 4, 1987

Continued revision of A&SGC implementation statement.

April 29, 1987

The A&S Graduate Committee voted unanimously to endorse the request of the English department that a student be admitted to graduate study without an undergraduate degree.

SUBCOMMITTEE ACTIVITIES

The subcommittee on faculty served as the dean's advisory committee on sabbatical leave requests and met in September and January.

VII. SUMMER SESSION

In November 1986, the departments submitted their summer budget requests

to the College of Arts and Sciences. After some reductions, the total came to \$657,113. This amount, which was calculated in terms of 1986 salary levels for comparison purposes, represented an increase of 1.7% over the amount allocated in 1986.

In April 1987, we received an allocation of \$628,500 which was a 2.7% reduction from the 1986 budget. In addition, we received \$40,000 for the Southwest Institute and small allocations for three other institutes: one for training high school teachers of advanced placement courses in mathematics and English, one dealing with high school instructors teaching English writing, and the Taft program in political science for New Mexico social science teachers. The reduction in the regular budget necessitated severe economies. To minimize low-enrollment classes, the lower limit for undergraduate courses was set at 13.

The A&S enrollment for 1987 was 6,725, a 6.29% increase over the previous summer. This generated a student credit hour total of 20,129, up 6.18% over 1986.

The German Summer School in Taos enrolled 80 students in the regular summer session; 42 were upper-level undergraduates and 36 were graduate students. Close cooperation continued with the University of Texas and it is hoped that similar arrangements may be made with Arizona, Arkansas, and Wisconsin. There were 54 faculty and student participants in the German Studies workshop which followed the regular session. In Montezuma, the French Summer School had a total of 31 attending. The International Programs in Mexico and Spain enrolled 18 and 11 students respectively.

Enrollment in the third year of the Southwest Institute was 102 in lecture while the field course handled 47 students.

VIII. SPECIAL PROJECTS

APS-UNM Alliance for Academic Excellence

For the third consecutive summer an institute was completed at the end of June. The participating UNM faculty member, Louis Lopez, Department of English, was paid from A&S research overhead funds. Stipends paid to participating high school teachers and the cost of printing the curricular units were covered by APS.

APS has a line item in its budget to support one AAE institute each summer. A&S should find a way to provide its share of funding on a regular basis. Funding is also needed to increase the number of institutes offered each summer. To that end a draft proposal was submitted to NEH last year, and an attempt to rewrite the proposal incorporating suggestions made by NEH will be undertaken fall. Meetings last winter with the director and staff of the Albuquerque Community Fund were not successful in identifying other viable funding sources.

UNM-NMEAF Advanced Placement Institutes

A new series of advanced placement institutes was begun this summer, one for high school English literature teachers led by Paul Davis and another for high school teachers of calculus led by Richard Grassl. Davis and Grassl are assisted by Elizabeth Nielsen of the College of Education. Funding for teacher stipends, salaries of one UNM faculty member, and cost of printing curricular units was covered by the New Mexico Educational Assistance Foundation. UNM provided classroom facilities and the office of the academic vice president paid the salary of two UNM faculty members. All teacher participants paid tuition and received credit for the institute.

London Semester

Ten students will be studying with Patrick Gallacher (English) in London during the fall semester. Neil Mitchell (Political Science) will be the UNM faculty member in the London program for Spring 88.

Cooperative Education

During 1986-87 a beginning was made to revive this program in the College. The College of Engineering agreed to allow Larry Larrichio to act as university-wide director and devote one-eighth of his time to developing the program in the College of Arts and Sciences. Administration of the program was further simplified when records of A&S Co-op students were transferred from Career Planning and Services to the Co-op offices in the College of Engineering. A Co-op posting board was established in the A&S lobby and A&S student advisers were requested to inform students about the program.

A step toward centralizing the program under the vice president for academic affairs was taken when a request was made to that office to cover part of the Co-op salary budget and funds were pproved to pay a full-time assistant. The director now has one full-time and one half-time assistant to help him further develop the Co-op programs in A&S and ASM as well as maintain Co-op in the College of Engineering. The central office will continue to be located in the Farris Engineering Center, and satellite offices have been established in A&S amd ASM.

A&S Committee on Curriculum and Academic Policy

During the course of the 1986-87 academic year the committee approved the following programs, all of which were subsequently approved by the A&S faculty:

583 B.A. in Music
Peace Studies Minor
Minor in Italian Studies
Minor in Secondary Education

Much of the Committee's time during the past year was taken up with discussion of general education requirements. Because it proved not to be feasible to implement the reforms developed over the past several years, committee members turned to discussing a program similar to "writing across the curriculum." In January the college received a letter from the Ford Foundation inviting it to submit a proposal to the Foundation's grant program "Literacy and the Liberal Arts." Because the program under discussion by the committee fitted the grant guidelines so well, it was possible to write a proposal and submit it by the March deadline. In June were informed that our proposal will be funded in the amount of \$50,000 for two years 1987-88 and 1988-89.

IX. TRAVEL

We started the year with a travel budget of \$20,805, representing less than \$50 per faculty member. Since the amount was so small, the entire budget meant that departments with no source of supplementary funds had to restrict each traveller to a fixed sum on the order of \$100 or less, regardless of the expense of the trip.

The 1987-88 travel budget is again set at a grossly inadequate figure of \$21,000. This level of travel support is well below that of our peer institutions and is totally insufficient for maintenance of faculty professional activity.

X. PROBLEMS AND PROSPECTS

Most readers of this report are well aware of the recurrent problems which confront the College and I need not dwell on any of them, although each one poses a serious obstacle toward the goal of achieving "academic excellence".

1. Faculty

a. Salary inequities

This is a matter of grave concern. Not only are there still individual inequities within departments, but there is genuine "salary compression" and/or "group or rank inequity", as entering faculty are offered starting salaries dictated in part by the market which come closer and closer to the salaries of persons already on the faculty. The differences between salaries at the rank of Assistant and Associate, and between Associate and Full grow smaller each year, causing serious morale problems among productive tenured faculty.

b. Salary competitiveness

The College is becoming less competitive each year as salary levels fail to keep pace with other universities and colleges. We compete for candidates in a national pool for most open faculty positions and lose highly promising candidates because of our inability to offer comparable salaries. Several of our departments are ranked very high within their disciplines on a national and international scale. Unless faculty replacements remain at the same level of quality as the faculty whose accomplishments have provided this recognition to the departments which have achieved such high reputations, we shall not be able to maintain those reputations.

c. Size of faculty

Several of our departments are under staffed. On the one hand there are departments with high enrollments which need additional faculty to provide for smaller classes which are important to guarantee quality instruction. On the other hand there are departments which lack qualified faculty to offer courses in important sub-disciplines. The appended department reports discuss these situations in some detail.

d. Cultural diversity of faculty

The College has a long way to go in its efforts to appoint qualified women and minorities to faculty positions. This academic year saw a decline in the number of departments chaired by women from 3 to 1. The College lost 3 women faculty through retirement and resignation, and appointed 7 new women faculty members and 1 new Native American out of a total of 24 new faculty. No new Black faculty appointment was made. This unsatisfactory record underscores the failure to maintain competitiveness in salary levels since there was a strong effort made by the College administration and most departments to engage in Affirmative Action during recruitment of faculty.

e. Travel subsidies

Essential to the life of scholars in virtually all our disciplines is the continual interaction with counterparts at other universities in this country and overseas. Attendance at professional conferences where papers are presented and submitted to analysis and criticism, and where ideas for collaborative research and publication are discussed, should be highly encouraged if not required of faculty members. Unfortunately the travel funds made available to encourage such attendance have diminished each year. No per diem is provided. We now will underwrite only 60% of round-trip air

fare and \$450 for international travel for faculty members who are given priority status by their departments to attend only one professional conference a year. Few departments are able to provide all faculty who want to attend professional conferences to present papers with even this much support. The restoration of an adequate travel fund to the College budget should be a high priority item for 1988-89 and subsequent years!

2. Staff

Staff salaries are even less competitive than faculty salaries. It is reported year after year that compensation for department staff personnel is usually the lowest of any comparable institution or agency in the city. Rather high turnover results. Were it not for some highly dedicated staff who are woefully compensated our administrative operations would be seriously hampered.

Several departments are understaffed.

3. Graduate Students: Recruitment and Support

The ability to attract well-qualified graduate students and provide adequate support for them is essential to the life of a research university. Recruitment of graduate students is difficult for most of our departments because of insufficient funding. Graduate fellowships are woefully lacking. Most departments do not have enough Teaching Assistantships and the compensation rate for Teaching Assistants grows less competitive on the national market each year.

4. Supply and Expense Funding

Most of our departments are seriously under funded and find it difficulty to balance the supply and expense section of their budgets. Little, if any, money is made available for equipment maintenance. Smaller

departments which are unable to generate sizeable amounts of research overhead lack resources for bringing in guest lecturers and holding symposia which are important for the intellectual stimulation of faculty and students. One department chair notes that present budgetary procedures omit asking the departments to report how much it would actually cost to maintain the department at acceptable levels for a given year.

5. Academic Support Services

a. Library acquisitions

For many of our departments this is becoming more serious each year as the acquisitions budget proves to be inadequate for purchasing new books which are important for degree programs, and prevents any new subscriptions to serials without cancellation of others.

b. Computing resources

University policy regarding purchase of new computing equipment and allocation of computing usage funds remains unsatisfactory and confusing. Clarity and adequate funding are essential to continuing research in most disciplines, and up-to-date instruction in many departments.

6. Space Requirements

Additional classroom and seminar room space is needed. Several departments suffer from overcrowding and need additional faculty office space, space for equipment, and space for department operations.

The College administration and departments must continue to collaborate with central university administration in resolving these problems if we are to maintain our present level of quality in teaching and research, and to improve our academic work and services.

TABLE 1

CHAIRPERSONS AND INTERDEPARTMENTAL PROGRAM DIRECTORS, 1986-87

Departments

AMERICAN STUDIES

Marta Weigle

ANTHROPOLOGY

Karl Schwerin

BIOLOGY

Donald W. Duszynski

CHEMISTRY

Riley O. Schaeffer

COMMUNICATIVE DISORDERS

Richard Hood

ECONOMICS

Alfred L. Parker

ENGLISH

David McPherson

GEOGRAPHY

Stanley Morain

GEOLOGY

Klaus Keil

HISTORY

Jonathan Porter

JOURNALISM

Fred Bales

LINGUISTICS

Alan J. Hudson-Edwards

MATHEMATICS AND STATISTICS

Richard Griego

MODERN AND CLASSICAL LANGUAGES

Tamara Holzapfel/Dick Gerdes
Sem. I Sem. II

PHILOSOPHY

Fred G. Sturm/Fred Schueler
Sem. I Sem. II

PHYSICS AND ASTRONOMY

Daniel Finley

POLITICAL SCIENCE

Paul L. Hain

PSYCHOLOGY

Douglas P. Ferraro

SOCIOLOGY

Richard Coughlin

SPEECH COMMUNICATION

Kenneth D. Frandsen

Interdepartmental Programs

ASIAN STUDIES (minor)

Jonathan Porter

BIOCHEMISTRY (major)

Robert Loftfield

COMPARATIVE LITERATURE (minor)

Joseph Zavadil

IBERO-AMERICAN STUDIES (Ph.D.)

Jon Tolman

LATIN AMERICAN STUDIES (minor,
major, M.A.)

Susan Tiano

MEDIEVAL STUDIES (minor)

Helen Damico

CRIMINAL JUSTICE PROGRAM (major)

Paul Steele

ECONOMICS-PHILOSOPHY (major)

D. Hamilton, D. Lee

ENGLISH-PHILOSOPHY (major)

D. Johnson, H. Tuttle

EUROPEAN STUDIES (minor)

N. Moolenijzer, W. Putnam

QUARTERNARY STUDIES (minor)

Roger Y. Anderson

RELIGIOUS STUDIES (minor, major)

Andrew J. Burgess

RUSSIAN & EAST EUROPEAN STUDIES

(minor, major)

Natasha Kolchevska

New Programs Approved This Year

ITALIAN STUDIES (minor)

Christiane Joost-Gaugier

PEACE STUDIES (minor)

MacAllister H. Hull

TABLE 2

STANDING AND SPECIAL COMMITTEES,
COLLEGE OF ARTS AND SCIENCES, 1986-87

A&S Committee on Counteroffer Policy

Linda Cordell, Anthropology
Richard Coughlin, Sociology
Richard Griego, Mathematics & Statistics
Douglas Ferraro, Psychology

A&S Committee on Curriculum and Academic Programs

Elinore Barrett, Arts & Sciences, Chair
Scott Altenbach, Biology
Roy Caton, Chemistry
Paul Davis, English
Harold Delaney, Psychology
Jeffrey Froelich, Anthropology
Jane Hood, Political Science
Vera Norwood, American Studies
Peter Pabisch, Modern & Classical Languages
Michael Zeilik, Physics

A&S Graduate Committee

Richard Metzler, Arts & Sciences, Chair
Darrell Anderson, College of Education
Shaul Ben-David, Economics
James Chisholm, Anthropology
Richard Coughlin, Sociology
Cheryl Fresch, English
Dick Gerdes, Modern & Classical Languages
William Gordon, Psychology
Steve Huestis, Geology
Richard Janda, Linguistics
Hank Jenkins-Smith, Political Science
Cary Morrow, Chemistry
Fred Schueler, Philosophy
Jan Schuetz, Speech Communication
Ed Shirley, Communicative Disorders
Jane Slaughter, History
A.P. Stone, Mathematics & Statistics
Eric Toolson, Biology
Peter White, American Studies
Jerry Williams, Geography
David M. Wolfe, Physics

A&S Committee on Governance and Planning (GAP)

McAllister Hull, Physics & Astronomy, Chair
 Michael Conniff, History
 Henry Ellis, Psychology
 Archie Gibson, Mathematics & Statistics
 David Hamilton, Economics
 George Peters, Modern & Classical Languages
 Janet Roebuck, History
 Jane Slaughter, History
 J.E. White, Jr., Modern & Classical Languages

A&S Human Subjects Committee

Samuel Roll, Psychology, Chair
 Oswald Baca, Biology
 Dodd Bogart, Sociology
 Jay Sorenson, Political Science
 Priscilla Thompson, Community Representative

A&S Interdisciplinary Committee on Latin American Studies (ICLAS)

Susan Tiano, Sociology, Chair
 Erlinda Gonzales-Berry, Modern & Classical Languages
 Peter Gregory, Economics
 Linda Hall, History
 Karen Remmer, Political Science
 Mari Lynn Salvador, Anthropology
 Jon Tolman, Modern & Classical Languages

A&S Promotion Committee for the Humanities

Robert Fleming, English, Chair
 Robert Lawrence, Journalism
 Charles McClelland, History
 Jon Tolman, Modern & Classical Languages
 Howard Tuttle, Philosophy
 Peter White, American Studies

A&S Promotion Committee for the Social Sciences

Albert Church, Economics, Chair
 John Condon, Speech Communication
 George Huaco, Sociology
 Louise Lamphere, Anthropology
 Peter Lupsha, Political Science

A&S Promotion for the Natural Sciences and Mathematics

Robert Paine, Chemistry, Chair
 John Gluck, Psychology
 V.M. Kenkre, Physics
 Lambert Koopmans, Mathematics
 Albert M. Kudo, Geology
 Lloyd Lamb, Communicative Disorders
 David Ligon, Biology

A&S Tenure Committee

Garland Bills, Linguistics, Chair
 Albert M. Church, Economics
 Wolfgang Elston, Geology
 Robert Fleming, English
 Sam Girgus, American Studies
 William Gordon, Psychology
 Merle Mitchell, Mathematics & Statistics
 Robert Paine, Chemistry
 Janice Schuetz, Speech Communication
 Claude Senninger, Modern & Classical Languages
 Alexander Stone, Mathematics & Statistics
 Frank Szasz, History
 Kathryn Vogel, Biology

A&S Southwest Studies Committee

Diane Rebolledo, Modern & Classical Languages, Co-Chair
 Jerry Williams, Geography, Co-Chair
 Charles Biebel, American Studies
 F. Lee Brown, Economics
 Timothy DeYoung, Public Administration
 Douglas George, Art History
 Erlinda Gonzales-Berry, Modern & Classical Languages
 George Emlen Hall, Law
 Richard Heggen, Civil Engineering
 Ted Jojola, Native American Studies
 John Kessell, History
 Barry Kues, Geology
 Leroy Ortiz, CIMTE
 Jose Rivera, SHRI
 Ann Rodgers, Law
 Joseph Suina, CIMTE
 Bruce Thomson, Civil Engineering
 William Tydeman, General Library
 Robert Walters, Architecture
 Marta Weigle, American Studies
 Joseph Winter, Contract Archeology
 Jim Wright, Fine Arts Library
 Michael Zeilik, Physics

FACULTY PROMOTIONS, TENURE, THIRD-YEAR TERM DECISIONS,
RETIREMENTS, SEPARATIONS AND APPOINTMENTS, 1986-87

Promotions

To Full Professor

Laurence Straus	Anthropology
Erik Trinkaus	Anthropology
Su-Moon Park	Chemistry
Rudolfo Anaya	English
David Maciel	History
Jonathan Porter	History
Carla Wofsy	Mathematics & Statistics
Dick Gerdes	Modern & Classical Languages
Jean Civikly	Speech Communications
Richard Jensen	Speech Communications

To Associate Professor

Mark Ondrias	Chemistry
Lynn Beene	English
David Dunaway	English
Louis Owens	English
John Geissman	Geology
Leslie McFadden	Geology
Jane Slaughter	History
Jake Spidle	History
D. Clark Edwards	Journalism
Jean Newman	Linguistics
Wojeiech Kucharz	Math
Bernard Bassalleck	Physics
John McIver	Physics
Rafael Diaz	Psychology
Paul Steele	Sociology
Susan Tiano	Sociology

Tenure

Louise Lamphere	Anthropology
Mark Ondrias	Chemistry
Lynn Beene	English
David Dunaway	English
Louis Owens	English
John Geissman	Geology
Leslie McFadden	Geology
Linda Hall	History
D. Clark Edwards	Journalism

Jean Newman
Wojeiech Kucharz
Bernard Bassalleck
Stephen Gregory
Susan Tiano

Linguistics
Mathematics & Statistics
Physics
Physics
Sociology

Third-Year Decisions

Clifford Dahm
Eric Loker
William Rice
Tim Sass
Steven Thompson
Robyn Wright
Richard Janda
Dhammike Amaratunga
Michael Frazier
Enrique de Sa Rego
Rosa Fernandez
Enrique Lamadrid
John Bussanich
Andrzej Zabudowski
John McIver
Hank Jenkins-Smith
Neil Mitchell
Ronald Yeo
Robert A. Fiala
Paul J. Traudt

Biology
Biology
Biology
Economics
Geography
Geology
Linguistics
Mathematics & Statistics
Mathematics & Statistics
Modern & Classical Languages
Modern & Classical Languages
Modern & Classical Languages
Philosophy
Philosophy
Physics
Political Science
Political Science
Psychology
Sociology
Speech Communications

Retirements

Gerald Boyle
Roy Pickett
Helena Eilstein
Robert Grice
Richard F. Tomasson

Economics
English
Philosophy
Psychology
Sociology

Separations

Sam Girgus
David Remley
Linda Cordell
Chad McDaniel
Roger Norton
Tim Sass
Richard Ellis
Ruth Ragland
Richard Allen
Richard Fralin
Kathleen Krone

American Studies & English
American Studies
Anthropology
Anthropology
Economics
Economics
History
Journalism
Mathematics & Statistics
Political Science
Speech Communication

Death

Matthieu Casalis

New AppointmentsAmerican StudiesAnthropologyBiologyEconomicsEnglishHistoryJournalismMathematics & StatisticsModern & Classical LanguagesPhilosophyPsychologySociologySpeech Communication

Philosophy

Mary Jane Young

James Boone
Robert Leonard
Jeffrey LongJames Brown
A. Kodric-BrownAlok Bohara
Susan NunnCarolyn Woodward
Gary Harrison
Gary Scharnhorst

Margaret Connell-Szasz

Bob Gassoway

Deborah Sulsky

Gregory Harrison
James MartinAbraham Anderson
Rose-Mary Sargent
John Taher

Steven Gangestad

Peter Evans
Philip Gonzales

Robert Barraclough

TABLE 4

FTE BUDGETED FACULTY, 1986-87

<u>Department</u>	<u>Returning Faculty</u>	<u>New Faculty</u>	<u>Part-Time Instruction</u>	<u>GAs/TAs</u>
American Studies	5.09	--	.60	.50
Anthropology	16.55	3.00	.54	3.00
Biology	29.23	3.00	.30	19.50
Chemistry	20.58	1.00	.42	15.00
Communicative Disorders	8.69	--	.25	1.00
Economics	20.25	--	.60	4.00
English	35.49	1.00	11.13	22.00
Geography	7.72	--	--	2.00
Geology	16.67	1.00	.61	6.50
History	22.83	3.00	.50	7.00
Journalism	6.00	1.00	.54	--
Linguistics	3.99	--	.18	.50
Mathematics & Statistics	41.17	2.00	6.52	12.50
Modern & Classical Languages	28.34	1.00	1.80	16.50
Philosophy	8.67	1.00	--	2.25
Physics	20.12	3.00	.72	10.00
Political Science	11.92	2.00	1.00	2.00
Psychology	23.10	1.00	.24	7.75
Sociology	14.28	1.00	1.00	2.50
Speech Communication	10.00	--	.18	2.50
A&S Contingency	--	--	.10	--
TOTALS	350.69	24.00	27.13	137.00

Returning faculty taken from budget 86-87 minus "New" and "PT".

New faculty FTE taken from previous Annual Report "New Faculty" (85-86 Annual Report showing new faculty for 86-87.

Part-time instruction taken from budget 86-87.

TABLE 5

NUMBER OF STUDENTS ENROLLED
COLLEGE OF ARTS AND SCIENCES

<u>Year</u>	<u>Sem. I</u>	<u>% Inc. Over Prev. Year</u>	<u>Sem. II</u>	<u>% Inc. Over Prev. Year</u>
1976-77	2,663	- 0.8	2,737	- 0.7
1977-78	2,582	- 3.0	2,602	- 4.9
1978-79	2,397	- 7.2	2,322	-10.8
1979-80	2,267	- 5.4	2,205	- 5.0
1980-81	2,099	- 7.4	2,350	6.6
1981-82	2,492	18.7	2,580	9.8
1982-83	2,725	9.3	2,896	12.2
1983-84	3,044	11.7	3,192	10.2
1984-85	3,139	3.1	3,238	1.4
1985-86	3,520	12.1	3,333	2.9
1986-87	3,509	- 0.3	3,548	6.5

TABLE 6

STUDENT CREDIT HOURS TAUGHT, UNM AND A&S

<u>Year</u>	<u>Student Credit Hours</u>		<u>A&S Percent of Total</u>
	<u>UNM</u>	<u>A&S</u>	
1976-77	487,208	279,810	57.4
1977-78	476,229	267,786	56.2
1978-79	473,266	272,829	57.6
1979-80	495,039	279,666	56.5
1980-81	508,267	282,239	55.5
1981-82	516,956	280,455	54.3
1982-83	532,196	288,710	54.2
1983-84	520,439	272,416	52.3
1984-85	521,803	271,883	52.1
1985-86	533,136	284,072	53.3
1986-87	533,998	289,246	54.2
Change			
1986-87	+ 862	+ 5,174	
Over			
1986-87	+ 0.16%	+ 4.48%	
Increase			
1986-87	+46,790	+ 9,436	
Over			
1976-77	+ 9.60%	+ 3.37%	

Table 7

STUDENT CREDIT HOURS BY DEPARTMENT

Department	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	% Diff.
American Studies	2,077	1,923	2,063	2,196	1,875	1,685	1,990	1,759	2,305	31.04%
Anthropology	9,758	9,611	8,674	8,304	8,129	7,685	7,203	6,886	7,966	15.68%
Biology	20,458	20,690	20,783	19,841	19,355	20,326	16,542	16,000	16,523	3.27%
Chemistry	18,203	18,414	17,988	17,781	18,311	18,509	15,102	15,144	14,846	-1.97%
Comm. Disorders	3,096	2,949	2,876	3,009	2,649	2,759	2,445	2,142	2,506	16.99%
Economics	15,369	17,346	18,136	16,784	15,744	16,220	14,245	15,013	16,792	11.85%
English	30,109	32,813	33,117	34,175	33,980	30,918	28,808	31,209	30,186	-3.28%
Geography	6,001	6,296	5,664	5,390	4,972	5,627	5,079	4,713	5,606	18.95%
Geology	9,023	10,211	10,212	9,555	8,637	8,838	6,037	6,612	6,464	-2.24%
History	21,192	19,598	17,924	17,344	15,674	15,795	15,340	16,490	15,830	-4.00%
Journalism	3,045	2,846	2,840	3,108	3,123	2,897	2,885	2,742	2,927	6.75%
Linguistics	1,319	1,042	3,176	1,269	1,235	1,653	1,560	1,465	2,144	46.35%
Mathematics	38,414	43,405	46,252	50,344	50,789	53,140	43,873	43,028	41,793	-2.87%
M & CL	19,178	18,901	19,063	17,593	15,583	16,568	16,003	18,065	19,002	5.19%
Philosophy	4,825	5,933	5,648	5,685	5,498	5,623	5,702	5,795	6,376	10.03%
Physics	12,278	12,998	14,009	14,812	14,742	14,676	13,345	14,105	13,755	-2.48%
Poli. Sci.	9,675	9,606	9,450	9,582	9,451	9,748	9,796	11,074	10,468	-5.47%
Psychology	25,358	22,080	20,607	22,447	21,601	22,564	21,431	25,864	26,321	1.77%
Sociology	14,327	14,483	15,052	14,112	12,995	13,928	13,981	15,051	15,735	4.54%
Speech Comm.	9,124	8,521	8,705	8,222	8,215	7,840	7,471	8,186	8,570	4.69%
TOTALS	272,829	279,666	282,239	281,553	272,558	276,999	248,838	261,343	266,115	1.83%

TABLE 8

DEGREES AWARDED
COLLEGE OF ARTS AND SCIENCES

Year	<u>Bachelor's Degrees</u>		<u>Advanced Degrees</u>					
	<u>No. of Degrees</u>	<u>% Inc. Over Previous Yr.</u>	<u>Master's (a)</u>		<u>Doctor's</u>		<u>Total</u>	
			<u>No.</u>	<u>% Inc.</u>	<u>No.</u>	<u>% Inc.</u>	<u>No.</u>	<u>% Inc.</u>
1977	611	-13.6	159	24.2	69	- 6.8	228	12.9
1978	662	8.3	167	5.0	68	- 1.4	235	3.1
1979	577	-12.8	143	-14.4	55	-19.1	198	-15.7
1980	627	8.7	123	-14.0	58	5.5	181	- 8.6
1981	500	-20.3	121	- 1.6	73	25.9	194	- 7.1
1982	453	- 9.4	165	36.4	51	30.1	216	11.3
1983	523	15.5	153	- 7.3	55	7.8	208	- 3.7
1984	460	-12.0	171	11.8	54	- 1.8	225	8.2
1985	519	12.9	199	16.4	65	20.4	264	17.3
1986	587	13.1	127	-22.1	76	16.9	231	-12.5
1987	595	1.4	153	20.5	66	-13.2	229	- 0.9
10-Year Change -	16	- 2.6	- 6	- 3.8	- 3	- 4.3	1	0.4

(a) These figures do not include Master of Arts in Teaching and Master of Education in Science degrees.

TABLE 9

DEGREES AWARDED, A&S AND UNM, 1977 AND 1987

College	<u>Bachelor's Degrees</u>			<u>Advanced Degrees</u>		
	<u>1977</u>	<u>1987</u>	<u>% Inc.</u>	<u>1977</u>	<u>1987</u>	<u>% Inc.</u>
Arts and Sciences	605	595	- 1.6	247	229	- 8.9
B.U.S.	347	169	-51.3	---	---	---
Other Colleges*	953	1,055	10.7	647	903	39.6
UNM TOTAL	1,905	1,819	-4.51	894	1,132	26.6

*Excludes Law and Medicine.

TABLE 10
DEGREES AWARDED BY DEPARTMENT¹

Department	Bachelor's				Master's				Doctoral			
	1984	1985	1986	1987	1984	1985	1986	1987	1874	1985	1986	1987
Astrophysics	--	1	1	1	--	--	--	--	--	--	--	--
Biochemistry	--	1	--	2	--	--	--	--	--	--	--	--
American St.	3	5	4	--	5	--	4	6	6	5	3	2
Anthropology	17	15	24	15	19	15	14	14	5	4	5	4
Art	2	--	40	21	14	22	20	10	--	3	7	5
Biology	39	64	50	60	10	12	9	6	6	8	10	7
Chemistry	9	15	17	10	3	10	9	12	8	7	4	9
Comm. Disorders	13	16	--	5	20	16	--	--	--	--	--	--
Comp. Lit.	--	--	--	--	--	--	--	--	--	--	--	--
Creative Wrtg.	7	7	4	1	--	--	--	--	--	--	--	--
Criminal Justice	--	2	--	--	--	--	--	--	--	--	--	--
Economics	32	44	59	59	5	1	3	3	1	5	7	1
English	29	27	41	43	14	17	14	14	1	--	4	1
English-Phil.	2	2	2	4	--	--	--	--	--	--	--	--
Geography	12	9	15	11	2	4	2	2	--	--	--	--
Geology	22	18	20	16	12	13	3	15	--	1	1	--
History	21	29	28	23	9	7	4	5	4	5	6	3
Home Econ. ²	3	1	--	2	3	10	6	1	--	--	--	--
Ibero-Amer. St. ³	--	--	--	--	--	--	--	--	--	2	2	1
Journalism	26	26	26	26	--	--	--	--	--	--	--	--
Linguistics	2	2	1	4	3	2	4	2	--	--	--	--
Lat. Amer. St.	5	5	2	3	5	10	7	16	--	--	--	--
Math & Stat	12	12	30	25	10	9	12	6	3	5	1	10
M&CL	25	22	18	27	8	15	--	12	7	3	--	1
Philosophy	3	5	2	2	3	2	7	1	2	3	1	--
Physics & Astr.	5	7	9	3	6	4	9	9	6	4	4	8
Pol. Science	55	59	73	62	2	8	8	8	1	1	1	--
Psychology	64	62	84	89	5	12	9	5	4	7	7	12
Religious St.	--	3	1	2	--	--	--	--	--	--	--	--
Russian St.	3	1	4	1	--	--	--	--	--	--	--	--
Sociology	29	31	27	35	1	3	1	2	--	2	3	2
Speech Comm.	28	34	36	48	12	6	3	4	--	--	--	--
TOTAL	468 ⁴	525 ⁴	618 ⁴	600 ⁴	171	199	148	153	54	65	66	66

¹Includes summer, fall and spring graduates.

²Not a department of the College of Arts & Sciences, but major or minor is allowed.

³Interdisciplinary program at the doctoral level.

⁴Degrees granted with double majors are counted once in each department, so this total will not agree with Table 9.

TABLE 11

ACADEMIC PROBATIONS, SUSPENSIONS AND RELEASES
COLLEGE OF ARTS AND SCIENCES

	<u>1982-83</u>		<u>1983-84</u>		<u>1984-85</u>		<u>1985-86</u>		<u>1986-87</u>	
	No.	%	No.	%	No.	%	No.	%	No.	%
Semester I										
On Probation	465	17.1	628	20.6	318	10.1	171	4.9	312	8.9
Suspended	107	3.9	180	5.9	107	3.4	89	2.5	79	2.3
Released	74	2.7	72	2.4	86	2.7	59	1.7	27	.8
Semester II										
On Probation	505	17.4	502	15.7	344	10.6	215	6.5	334	9.4
Suspended	119	4.1	128	4.0	153	4.7	110	3.3	62	1.8
Released	76	2.6	76	2.4	109	3.4	73	2.2	84	2.4

Number of Students Enrolled in Arts & Sciences:

Semester I, 1986-87	3,509
Semester II, 1986-87	3,548

TABLE 12

DEAN'S LIST, COLLEGE OF ARTS & SCIENCES
NUMBER OF STUDENTS WITH GPA OF 3.00 AND ABOVE
FOR WORK OF 15 HOURS OR MORE TAKEN IN THE SEMESTER WITH GRADE

Grade Point Average	<u>1983-84</u>				<u>1984-85</u>			
	<u>Sem. I</u>		<u>Sem. II</u>		<u>Sem. I</u>		<u>Sem. II</u>	
	No.	%	No.	%	No.	%	No.	%
4.00	43	1.4	47	1.5	39	1.2	57	1.8
3.50-3.99	110	3.6	137	4.3	181	5.8	111	3.4
3.00-3.49	194	6.4	408	7.0	187	6.0	207	6.4
TOTAL	347	11.4	408	12.8	407	13.0	375	11.6
	<u>1985-86</u>				<u>1986-87</u>			
4.00	55	1.6	73	2.2	63	1.8	62	1.8
3.50-3.99	136	3.9	157	4.7	148	4.2	157	4.4
3.00-3.49	234	6.7	231	7.0	235	6.7	228	6.4
TOTAL	425	12.1	461	13.8	446	12.7	447	12.6

Note: % represents the percentage of the total Arts and Sciences enrollment for the semester indicated.

TABLE 13

DEGREES GRANTED WITH HONORS*

Honors in General Studies

Summa Cum Laude	11
Magna Cum Laude	15
Cum Laude	13

Departmental Honors

Anthropology	1
Biology	2
Chemistry	1
English	10
Political Science	3
Psychology	8
Sociology	1
Speech Communication	1

Initiated into Phi Beta Kappa	61
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Initiated into Phi Kappa Phi	33
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*Requirements completed Semester II, 1986-87; Summer 1986; Semester I, 1986-87

TABLE 14

NEW RESEARCH AND TRAINING GRANTS, 1986-87

<u>Department</u>	<u>Dollars</u>	<u>Number of Faculty</u>	<u>Number of Grants</u>
Anthropology	\$ 314,571	11	12
OCA	1,422,987	3	50
Maxwell Museum	40,613	2	5
Biology	1,552,084	15	21
Chemistry	1,658,169	11	21
Communicative Disorders	186,010	1	2
English	4,160	1	1
Geography	92,500	1	1
Geology	622,321	10	18
Meteoritics	216,175	1	4
History	35,891	2	2
Mathematics & Statistics	247,572	6	8
Modern & Classical Languages	3,960	1	1
Physics & Astronomy	1,223,766	11	20
CAS	484,895	4	4
Political Science	28,225	3	3
Psychology	572,081	6	8
Sociology	20,000	1	1
TOTAL	\$8,725,980	90	182

TABLE 15

BUDGETED GAS/TAs, RESEARCH AND
PROJECT ASSISTANTS

<u>Department</u>	<u>GAS & TAs</u>	<u>RAs & PAs</u>
American Studies	.50	0
Anthropology	3.00	1.75
Biology	19.50	4.75
Chemistry	15.00	8.50
Communicative Disorders	1.00	0
Economics	4.00	0
English	22.00	0
Geography	2.00	0
Geology	6.50	4.88
History	7.00	1.00
Linguistics	.50	0
Mathematics & Statistics	12.50	2.00
Modern & Classical Languages	16.50	.34
Philosophy	2.25	0
Physics	10.00	5.38
Political Science	2.00	.37
Psychology	7.75	4.00
Sociology	2.50	.125
Speech Communication	2.50	.50
TOTAL	137.00	33.60

TABLE 16

SUMMER SESSION DATA, 1986 AND 1987

Department	Final 1986 Figures		Final 1987 Figures	
	Allocation	%	Allocation	%
American Studies	\$ 9,214	1.4	\$ 9,099	1.4
Anthropology	21,975	3.4	26,873	4.1
Biology	34,985	5.4	38,820	5.9
Chemistry	38,463	6.0	45,987	6.9
Communicative Disorders	5,980	0.9	7,769	1.2
Economics	28,747	4.5	25,884	3.9
English	80,393	12.5	82,780	12.5
Geography	11,528	1.8	12,992	2.0
Geology	18,888	2.9	16,987	2.6
History	35,114	5.5	36,703	5.5
Journalism	11,587	1.8	14,470	2.2
Linguistics	9,821	1.5	9,618	1.5
Mathematics and Statistics	76,807	11.8	75,205	11.4
Modern & Classical Languages	95,807	14.9	90,550	13.7
Philosophy	13,850	2.2	11,625	1.8
Physics & Astronomy	25,995	4.0	29,780	4.5
Political Science	22,345	3.5	25,310	3.8
Psychology	31,468	4.9	31,077	4.7
Sociology	27,474	4.3	23,761	3.6
Speech Communication	21,806	3.4	24,807	3.7
Foreign Programs	22,304	3.5	21,660	3.3
TOTAL	\$643,813	100.0	\$661,757	100.0

TABLE 17

A&S TRAVEL DISBURSEMENTS

Department	<u>Paper Presentation</u>		<u>Officer Presentation</u>		<u>Miscellaneous Attendance</u>	
	No. of Trips	Amount	No. of Trips	Amount	No. of Trips	Amounts
American Studies	3	\$ 300.00	—	\$ —	—	\$ —
Anthropology	8	1,264.00	—	—	—	—
Biology	7	1,101.60	1	57.60	2	664.80
Chemistry	4	785.00	—	—	—	—
Comm. Disorders	1	245.40	—	—	1	54.60
Economics	5	948.80	—	—	—	—
English	13	1,349.00	1	110.00	2	420.00
Geography	3	623.00	—	—	—	—
Geology	1	85.00	—	—	2	564.00
History	6	937.00	1	120.00	2	320.00
Journalism	—	—	—	—	1	239.00
Linguistics	1	202.80	—	—	—	—
Mathematics & Stats.	4	1,290.00	—	—	2	394.50
M&CL	6	1,927.00	—	—	1	97.00
Philosophy	4	686.00	—	—	—	—
Physics	5	700.00	—	—	1	300.00
Political Science	6	1,006.40	—	—	2	213.60
Psychology	13	1,686.00	—	—	—	—
Sociology	6	774.00	—	—	2	258.00
Speech Communications	6	858.00	2	223.30	—	—
TOTAL	102	\$16,768.20	5	\$510.90	18	\$3,525.50

JUN 29 1987

COLLEGE OF ARTS
AND SCIENCES

The Report of the Department of American Studies

July 1, 1986, to June 30, 1987

Marta Weigle, Chair

The American Studies Department has completed a productive year which has laid the groundwork for major changes in the coming year. The welcome recommendation of the Strategic Planning Committee--"that American Studies continue within its current organizational framework" as a department--and its recognition of "the high research productivity of the American Studies core faculty, the consistent production of Ph.D. degrees, and the absence of evidence indicating student dissatisfaction with the program" strengthened faculty and student involvement in the Department. Professor Sam B. Girgus and Professor David Remley, whose resignations take effect this year, will be replaced by Professor Gary Scharnhorst, who becomes Associate Professor of English and American Studies, and Professor M. Jane Young, who becomes Associate Professor of American Studies. A joint visiting assistant professorship with American Studies and Native American Studies is awaiting finalization. By fall, the Department will occupy new quarters in Ortega Hall after moving from its longtime home in the Humanities Building.

A. Significant Achievements

The strong graduate program continues to command major departmental attention. Professor Peter White served as graduate adviser throughout the year. The required pro-seminar was taught in the fall by Professor Marta Weigle. The graduate handbook and reading list were again revised and refined. It was decided that the department would add to its general offerings in American life and thought concentrations in four areas: (1) Southwestern and Regional Studies; (2) Environment, Technology and Culture; (3) Folklore, Mass Media, Popular and Material Culture; and (4) Gender Studies. As part of developing the second area, Professor Vera Norwood and Professor William Gross of the College of Engineering again offered cross-college-listed Technology and Culture classes in the fall and spring.

Professor Jane Caputi served as undergraduate adviser throughout the year. The required sophomore course, American Studies 285, was taught by Professor Charles Biebel in the fall and Professor Caputi in the spring, and Professor Sam Girgus taught the required senior seminar, American Studies 485. As in the past, courses were cross-listed with professors from the departments of Anthropology and English and the Chicano, Native American, and Women Studies programs.

Southwest Studies continues to play an important role in the department, which coordinated production of campus-wide Southwest Studies brochures each semester. Professor Weigle served as adviser for Southwest Studies. American Studies 286, the required Introduction

to Southwest Studies, was taught by Professor Tobias Duran (Chicano Studies) in the fall and Professor David Remley in the spring. Professor Weigle served as department liaison, instructor, and lecturer for the Southwest Institute in June 1987.

Colloquia were presented by Phillip Gonzales, candidate for a joint American Studies/Southwest Hispanic Research Institute assistant professorship, and by the three finalists for the advertised senior-level position: Robert Griswold of the University of Oklahoma, Richard P. Horwitz of the University of Iowa, and M. Jane Young of the University of Texas-Austin. The latter three were chosen from a field of forty applicants responding to an announced (in spring 1987) position for a senior-level professor with a social science orientation to American Studies and preferably with material and/or popular culture research interests. The American Studies GSA helped sponsor a spring lecture by Professor Sandra Spanier of Oregon State University.

The faculty was very active on campus and in professional societies like the American Folklore Society, the American Studies Association, the Western Literature Association, and the Historical Society of New Mexico. They again proved to be productive scholars, completing books under advance contracts and publishing articles in scholarly journals and collections. Professor Charles Biebel's Making the Most of It: Public Works in Albuquerque during the Great Depression, 1929-1942 appeared in 1986.

Professor Peter White continued to co-edit American Poetry. He has ably directed the editorial board which has effected a major

change in New America: A Review of American and Southwest Culture. Because journal publication is no longer feasible, New America is now a book series published by the University of New Mexico Press. Volumes accepted in the series will explore various themes in American culture, with some emphasis given Western and especially Southwestern subjects. Graduate students will be able to serve on the editorial board, in which capacity they may evaluate manuscripts and help authors develop their projects from inception to publication.

B Significant Plans and Recommendations for the Future

As its top priority, the Department will continue to monitor closely the progress of its very large graduate program. Crucial to this development is additional funding for intradepartmental support of graduate students. It is imperative that American Studies command additional teaching and graduate assistantship funds. Reliance on Freshman English and Basic Skills, both rapidly changing programs at this juncture, has meant the lost of many promising prospective graduate students and additional hardship for those already in American Studies.

The undergraduate program must be expanded and addressed in the coming year. The Southwest Studies program, while important to both levels of instruction, needs special attention in conjunction with strengthening the undergraduate program. The Department must continue to explore mutually satisfactory, fruitful associations with Afro-American Studies, Chicano Studies, Native American Studies, and Women

Studies.

C. Appointments to Staff

Faculty percentage appointments in American Studies for 1986-87 are as follows: Biebel (.33), Caputi (1.00), Girgus (.60), Jones (.33), Norwood (1.00), Remley (1.00), Weigle (.50), and White (.33), a total of 5.09. Margaret Randall served as Adjunct Assistant Professor. Margaret Gilmore continued her excellent work as department secretary, with Althea Oakeley as work-study student. (The long-awaited acquisition of a Zenith micro-computer has greatly facilitated office work.)

D. Separations from Staff

Professor Sam B. Girgus and Associate Professor David Remley resigned from the university effective at the end of their teaching duties during the summer session of 1987.

E. Sponsored Research

(a) One American Studies faculty member, or 13% of all those associated wholly or partially with the Department, submitted proposals to outside agencies during this period.

(b) One faculty member received an award from an outside agency during this period.

F. Student Matters

During this period, two students (Gerald O. Hobson, Kazimierz Dziarnka) received doctorates, and six students (Catherine A. Bartlett,

Alison R. Freese, M. Darleene Goodman, Ming Da Hua, Carolyn L. Quinn, Martha Ann Winters) received master's degrees. Two students earned a bachelor's degree from the College of Arts and Sciences with an American Studies minor.

The introductory undergraduate course, American Studies 185, was taught by doctoral students Timothy Russell and Philip Burnham in the fall and Kazimierz Dziemka and Gordene MacKenzie in the spring. Doctoral students Stephen Fox and Alison Freese taught the fall lab sections for Social Science 100: The Multicultural Southwest. Annie Eysturoy received a \$1,000 Graduate Achievement Award for the coming academic year.

THE REPORT OF THE DEPARTMENT OF ANTHROPOLOGY**1 July 1986 - 30 June 1987**

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THE REPORT OF THE DEPARTMENT OF ANTHROPOLOGY**1 July 1986 - 30 June 1987****Linda S. Cordell, Chair: 1 July - 31 December 1986****Karl H. Schwerin, Chair: 1 January - 30 June 1987****I. General Departmental Information****A. Significant Achievements During 1986-1987**

The Department of Anthropology has a long-standing record as one of the leading academic units at the University of New Mexico. For a number of years it has ranked among the top dozen departments in the country and its record of research, publication, and graduate training is recognized world wide. The traditionally strong program in archeology was enhanced over the past several years until it was considered by many to be one of the three best in the United States. Unfortunately, the loss this year of two senior faculty in archeology -- Professors Linda S. Cordell and Jeremy A. Sabloff -- has produced a temporary setback in this subfield. Both of these individuals had formerly served as Department chairs, Professor Cordell most recently occupying that position during the Fall semester, 1986. The traditionally strong program in Ethnology was further enhanced this year by the addition of Dr. Louise Lamphere as a full professor who has expertise both among Native Americans in the Southwest and contemporary urban studies, and Dr. Hillard Kaplan who specializes in the biosocial study of hunter-gatherer groups in Latin America (see Attachment X).

In Biological Anthropology a formerly "average" program has been built up over the past few years to rank among the best nationwide. Faculty expertise is such that this

subfield is able to offer a two-pronged program in traditional Physical Anthropology and in the newly emerging arena of BioSocial Anthropology. The one remaining area of weakness within the department is in Anthropological Linguistics where the existing limited offerings of the department were further diminished by the resignation this year of Dr. Chad McDaniel.

The loss of senior faculty in Archeology was particularly devastating to the Anthropology program, and it has had repercussions in the decline of applicants -- particularly those with an outstanding record -- to the graduate program for next year. However, this is expected to be nothing more than a temporary setback. We were fortunate to add Dr. Wirt "Chip" Wills, a specialist in Southwest prehistory, to our faculty this year. In addition to teaching archeological courses during the Fall and Spring sessions, Dr. Wills will be responsible for the Archeological Field School during Summer sessions. Two additional archeologists have been hired beginning Fall 1987 to replace Cordell and Sabloff. Dr. Robert Leonard (Ph.D., University of Washington) specializes in archeological method and theory, paleoenvironmental reconstruction, and computer applications in archeology. Since 1986 he has served as Assistant Director of the Zuñi Archeology Program; he plans to continue conducting research at Zuñi for several years to come. Dr. James Boone (Ph.D., SUNY-Binghamton) is a specialist in the archeology of complex societies and has worked extensively on medieval sites in North Africa and (currently) in Portugal. He comes to us from the Texas Archeological Research Laboratory in Austin, Texas.

As a replacement in Biological Anthropology for Professor Henry Harpending (who left us in 1985) we have hired Dr. Jeffrey Long (Ph.D., Michigan, Department of Human Genetics; M.A., Arizona, Anthropology) from Hunter College, where he was an Assistant Professor of Anthropology. He is particularly concerned with the genetics of population structure, molecular population genetics, and genetic evolution.

In order to promote research and teaching on southwestern Hispanics and to encourage additional opportunities for minority hiring the central administration last year authorized the Southwest Hispanic Research Institute to advertise jointly with Anthropology/American Studies/Sociology for potential candidates. Under the terms of this program Anthropology has offered an appointment to Dr. Sylvia Rodriguez (Ph.D., Stanford) from U.C.L.A. Dr. Rodriguez is a Taos native who, after initial research in Mexico, has returned to her home town where she is carrying on long-term investigations of tourism, interethnic relations, and social change, ethnohistory, and local fiestas. She will join our faculty in 1988 and will be responsible both for teaching courses on the Southwest and organizing a field station in Taos.

In spite of these achievements in replacing lost faculty, the Department continues to face several serious problems. Due to the extended leave of one faculty member, the Anthropological Linguistics program has been without adequate faculty for the past several years. With the resignation of that faculty person, the Department now faces the necessity of finding a permanent replacement. For this arm of the Department to offer satisfactory training in Anthropological Linguistics, and in order to balance the program with that of the other subfields, we need at the minimum to hire a replacement with broad competence in the field. We plan to begin the search for a permanent replacement in the Fall. Meanwhile we are seeking a temporary appointment to cover the linguistics courses during the coming academic year.

Numerous sources indicate that with the loss of two senior faculty in Archeology last year, the reputation of that program has been somewhat tarnished nationally. We hope that the new appointments in that subfield will help to renew our image. In addition, aggressive recruiting of graduate students in Archeology should help to reverse the current trend.

Enthusiastic College and University support of these goals is essential to their

success and is in line with the recommendations of the Strategic Planning Report which lists as the first and highest priority for the Department that of maintaining it as one of the top dozen departments in the nation. Critical in achieving that goal is stemming the exodus of faculty to better paying positions elsewhere. The Strategic Planning Report recommends "that improvement in the salary situation is crucial, especially in relation to other high ranking Anthropology departments If this department is to continue as a U.N.M. leader, its salary structure should be brought up to at least the U.N.M. average, and efforts should be made to close the salary gap with other ranking anthropology departments."

Material support for the faculty is second only to salary improvement and accordingly the Strategic Planning Report recommends "that the supplies and equipment budget be doubled if possible."

Another perennial problem in this department is the limited amount of graduate financial assistance that we are able to provide, especially considering the number and quality of our graduate students. Yet every year we lose a number of highly qualified students who are admitted here, but opt to go to other institutions that provide more generous financial support. The Strategic Planning Report recommends "that the level of graduate financial assistance be raised," and in the coming year we will be exploring potential sources of support and ways to create and increase fellowships, endowment funds, or other resources that might be used to attract and support high quality graduate students.

Two associate professors, Dr. Lawrence Straus and Dr. Erik Trinkaus, were promoted to full Professor this year. Dr. Louise Lamphere was granted tenure (see Attachment X). Professor Linda Cordell served as Chair of the Department until leaving the University at the end of the Fall semester. She was replaced by Dr. Karl Schwerin, beginning 1 January 1987.

During the Fall semester Dr. Schwerin completed his sabbatical leave as a Fulbright scholar in France. In the Spring, Dr. Jeffery Froehlich began a one year sabbatical leave, and Dr. Joseph Winter was on a research assignment during the Spring semester.

Five faculty received seven grants for newly funded research during fiscal year 1986-87, with a total dollar amount of \$139,617. Six additional grants totalling \$12,262 were awarded to our faculty by the Research Allocations Committee (see Attachment IV).

Our graduate students were equally active in obtaining research grants. Eleven students received outside grants totalling \$57,879. Twenty-seven students received Student Research Allocation Grants, totalling \$3967, and with the institution of the Vice President's Graduate Research Fund, eight students received a total of \$1750. In the Fall semester, 100% of the anthropology graduate student applications to SRAC were funded, 77% in Spring, and 90% in Summer (see Attachment V).

In 1986 the Anthropology Faculty published five books and two textbooks, as well as 32 articles or chapters in books. In addition, 14 papers were presented at professional meetings. In the Spring two videotapes were premiered that had been produced jointly by the department and Barbara Lane, a graduate student in Biological Anthropology. These were "The Archeological Field School 1983 Season," featuring Ladder Ranch and Rowe Pueblo, and "From Darkness into Light: Moko and Samba get a New Home," documenting the 1982 release of the Rio Grande Zoo gorillas from indoor habitation into the great outdoor enclosure. Eight of our faculty held office in a professional association or similarly served the university.

Three professors were rated excellent by their students in Fall 1986: William McGrew, David Stuart and Chip Wills. For the Spring semester Hillard Kaplan, Jane Lancaster and Chip Wills achieved this distinction. Undergraduate majors increased

from 68 in 1986 to 73 in 1987. Graduate majors held firm at 118, the largest number in the College of Arts and Sciences. Enrollments increased significantly each semester over the preceding year. Student credit hours for Spring 1987 were 4209, an increase of 28.9% over the 3266 for Spring 1986 (see Attachment VIII). During the past year 15 Anthropology majors graduated with bachelor's degrees, with at least seven others (Spring semester only) minoring in Anthropology. There were 13 M.A.'s and four students were awarded the Ph.D. (see Attachment VII).

An active program of lectures was presented during the year. Nine colloquia were offered by Department faculty and seven by graduate students. In addition, Jorg Opherke (M.A. candidate) presented the Frieda D. Butler Memorial lecture in November, while Thomas Killion (Ph.D. candidate) gave the Ruth E. Kennedy Memorial lecture in April. Fifteen guest lecturers also addressed the Department during the year (see Attachment VI). On November 22-23 the Department hosted the Second Conference on Health and Disease in the Southwest, organized by Dr. Stanley Rhine, Ph.D., and Dr. R. Ted Steinbock, M.D.

During 1986-87 the Journal of Anthropological Research experienced great stability. One special issue was published that reprinted classic articles from the first 40 years of the Journal's existence. Subscriptions seem to have leveled off from the decline experienced over the past decade. Over the year sales income (\$39,350) nearly balanced the U.N.M. subsidy to the Journal, but a cash flow problem early in the calendar year seems to be unavoidable (see Attachment I).

The Maxwell Museum of Anthropology concentrated this year on collection management issues, particularly completion of the inventory. The Museum was also concerned with enhancing the research potential of collections which were enlarged by several major additions, as well as clarifying curation of the Chaco collection. New facilities were established for the Photo Archive. Several hundred visitors, scholars and

researchers utilized the collections this past year. Efforts were made to establish a financial operating base independent of economic fluctuations within the State. Other important goals included the completion of long-range planning and the first phase of implementation of major permanent exhibitions on "Human Origins" and a "Southwest Gallery." New staff members stimulated enrichment of the museum's education program and development of the public relations and public programs divisions (see Attachment III).

The report for the Office of Contract Archeology is unavailable at this time.

Adjunct Assistant Professor Karen Cantrell continued her efforts to compile reference data for anthropological research with the publication of Funding for Research, Study and Travel: The People's Republic of China. Adjunct Associate Professor David Stuart not only published numerous articles this past year, but in April he was appointed Special Assistant (to the Vice President for Academic Affairs) for Evening and Weekend Degree Programs. Twenty other professionals held adjunct appointments with the Department this year.

When the National Park Service Division of Cultural Research moved to Santa Fe last year, the full collection of Chaco Canyon artifacts and documents was left behind to be curated by the Maxwell Museum. It was, however, necessary to work out the exact legal rights and responsibilities of both parties *vis a vis* this collection. After lengthy negotiations a Memorandum of Understanding was agreed upon and signed in April by representatives of both the University and the National Park Service. This memorandum guarantees that the collection will be maintained as an integral whole, and will ensure free access to and use of the collection by both University and National Park Service investigators, as well as research scholars not otherwise affiliated with either institution.

Vacation by the Chaco Center of the offices on the second floor of the Anthropology

building created an opportunity for the departmental offices to move to more spacious and convenient accommodations in that area. In addition to providing a more suitable work environment, this area ensures better security for equipment, supplies and collections. Additional space is also available for meeting rooms, temporary offices and work areas.

Effective June 5, 1987, Elaine Hollins, the Department Secretary, resigned to take another position on campus. The departmental needs are so great that two secretaries and an administrative assistant are unable to keep up-to-date with all the work. Some items of lesser priority must be postponed, often for lengthy periods. It is essential to replace this position as soon as possible and certainly before the beginning of Fall semester.

B. Significant Plans and Recommendations

In spite of success in recruiting replacement faculty this year, the Department continues to be in a critical state. The 2.5% increase allocated to salaries for fiscal year 1987-88 is an insignificant increment. The gap between U.N.M. salaries in Anthropology and those at comparable departments throughout the country continues to grow. In 1986 departmental averages at all ranks were at about the mean for 1983 salaries nationwide. According to the 1986 Survey of Anthropology Ph.D.s, our associate professors are about \$8000 below their peers nationwide, while assistant professors are \$1000-2000 under national averages. This situation only makes the Department more vulnerable to raiding of its superior faculty at all levels. Even within the University, departmental salaries are hardly indicative of our premiere position nationally and internationally. It is urgent that the salary level be increased to reflect both departmental accomplishments and our national standing.

If faculty salaries are inadequate, support for graduate students is shamefully deficient. No money is available to support or assist first year graduate students. In subsequent years, most depend on assistantships, work study or casual employment at the Office of Contract Archeology. Many fine students are lost to other institutions that can offer generous fellowships or immediate employment opportunities. Lack of financial support often forces graduate students to enroll only part-time, thereby unreasonably prolonging their studies. Since university support has never been forthcoming, the Department will during the coming year begin to explore other potential sources of graduate support.

Limited resources also impact negatively on professional activities in various other ways. The departmental supplies budget has remained at the same level for the past several years, even though the number of faculty and staff has grown and the cost of supplies has also increased. Since U.N.M. is located at a distance from other major centers of anthropological teaching and research, it is essential, if we are to maintain our leadership position nationally, to facilitate constant and active communication with other scholars and centers. Departmental faculty cannot afford to shoulder the costs of travel to meetings, long-distance telephone conversations and the like, nor should they have to. Another constant source of frustration in pursuing active research and scholarship in the workload expectation of three courses per semester. This may be reasonable in a predominantly undergraduate department, but where we are supervising the largest cohort of graduate students in Arts and Sciences (*circa* 120), it is essential, if we are to maintain an outstanding graduate program, to make workload adjustments throughout the Department.

With the growth this year in faculty research programs and archeological contracts, the Department is now utilizing all available space. It will be essential during the coming year to review our space needs and plan for the future. The basement (B76)

proved unsuitable for a paleontology laboratory; it has now been assigned to the summer Archeology Field School Program for their use as a laboratory. This leaves the paleontology laboratory in the space currently occupied, which is not only inadequate, but which means that space formerly designated for use by the Maxwell Museum will not become available immediately.

Ongoing collaboration with the Primate Research Institute at Holloman Air Force Base is producing a continual influx of chimpanzee cadavers and skeletal material. As this valuable collection grows, there is increasing need for adequate space and facilities to study and store these materials. Acquisition of a walk-in freezer to be located at Holloman would facilitate conservation of cadavers until two or three could be picked up at departmental convenience and less cost for travel and transportation. Ideally facilities in the department for preservation of a tissue collection would be extremely desirable, since the genetic relations of all animals is thoroughly documented.

The Clark Field Archive has been pressed for space for the past several years. In addition the present facilities are poor for storage and not conducive for study. Yet it is heavily used by our students as well as research scholars. Plans for expansion and improvement of the present facility have been on hold for the past couple of years, but it is now becoming increasingly urgent that funds be identified for implementation of these plans.

With the addition of two new archeologists beginning Fall 1987, there is no more office space in the Archeology Annex. In fact, one archeologist had to be reassigned to the main Anthropology building where, as indicated above, space is also at a premium. The Office of Contract Archeology, which occupies the other half of the Annex is likewise reaching the limits of its capacity for storage and laboratory space. Some of its staff is already finding it necessary to do part of their work at home. During the coming year the Departmental Space Committee will have to devote itself to long-range needs and draw

up plans for future expansion and development of further specialized research facilities.

If the Anthropology Department is to move forward in a rational and orderly way, it is essential to plan carefully. The best way to do this is to draw up a blueprint that identifies desirable goals and suggests ways to achieve them. To this end, I propose to appoint at least two planning committees for the coming academic year. One will be charged with plotting program and research directions to the end of the century. The other will be charged with identifying non-traditional and/or non-institutional sources of funding that would enable us to achieve our goals more productively and effectively.

Annual Report

The Journal of Anthropological Research

Editor, Philip K. Bock

During 1986-87 the Journal experienced great stability. There were no changes in staff or publication procedures. Four issues were published, totalling 610 pages, and including one Special Issue, Fall 1986. Titled "Approaches to Culture and Society," this number reprinted 23 classic articles from the first 40 years of the Journal's existence. It is designed for use in classes in anthropological theory and will be used at U.N.M. as well as several other institutions. (Indiana University and Central Connecticut State College were the first to place orders.)

The decline in subscriptions which has affected many professional journals over the past decade seems to have subsided. We currently have 416 individual and 1276 institutional subscribers. Personal letters sent this winter to over 200 professionals through the U.S. and Canada have yielded 30 renewals or new subscriptions, plus many kind words and, in one case, an unsolicited contribution of \$100.

The flow of manuscripts has been somewhat below average (80 received in the past 12 months), but the rejection rate remained high (85%) because the Special Issue was made up of articles previously published.

No major expenditures were made for equipment, but an inexpensive printer was purchased as back-up for times when our IBM Quietwriter needs service. We will also explore the possibility of printing our own mailing labels in order to save money, since the Computing Center charges appear to be increasing.

The Editor travelled only to the American Anthropological Association annual meeting (in Philadelphia) and to a symposium on Anthropology and Literature (in Lubbock), where he solicited papers and subscriptions for the Journal, as well as making presentations of his own.

As in the past few years, sales income (\$39,349.99) nearly balanced the U.N.M. subsidy to the Journal. A brief cash flow problem was experienced between publication of our Winter, 1986 issue and receipt of subscriptions for 1987 (which are usually billed in January and trickle in through June). We see no way to avoid this temporary problem, but it will be discussed with the Editorial Board and the Accounting Department next fall and, if necessary, subscription rates will be raised.

Report of the Office of Contract Archeology

July 1, 1986 - June 30, 1987

by

Richard C. Chapman, Assistant Director

Acting Director, January - June 1987

1. Overall Review of Activities

FY 86-87 represented an extremely active year for the Office of Contract Archeology. Several long-term projects were closed out with the final publication of monographs, and new contracts totaling in excess of \$1.3 million were encumbered. Several of these new contracts are expected to result in further long-term research efforts--a very promising situation in terms of OCA's commitment to using cultural resource contracts as a vehicle for research. In contrast to the previous year, FY 86-87 contracts tended to be large-scale projects, many of which involved excavation. Brief descriptions of projects, other OCA activities, and a financial summary follow.

2. Description of Projects and Publications

Several monographs resulting from previous research were published this year. These include The 1983 Cultural Resources Monitoring and Data Recovery Project for the

Cortez CO2 Pipeline in the Las Huertas Valley Area (Marshall, Akins and Winter) and The Excavation of the Cortez CO2 Project Pipeline Sites, 1982-1983 (Marshall). With these, the publication series documenting survey and excavation of the Cortez CO2 Pipeline in northwestern and north-central New Mexico is concluded. Similarly, Across the Caprock (Wozniak) documented the results of the Bravo CO2 Pipeline survey and monitoring in eastern New Mexico.

Archeological Investigations in a 16th - Early 17th Century Piro Pueblo in the Village of San Antonio, New Mexico (Marshall) also documented results of a project carried out during FY 85-86. Finally, The Cultural Resources of Ridges Basin and Upper Wildcat Canyon (Winter, Ware and Arnold) published the results of a previous project which had existed only in manuscript form, and Investigations at Sites 48 and 77, Santa Rosa Lake, Guadalupe County, New Mexico: An Inquiry into the Nature of Archeological Reality (Levine and Winter) documented the analysis of two highly controversial historical sites excavated by another organization.

Fieldwork during FY 86-87 was undertaken throughout the state, with a major emphasis in south-central New Mexico. OCA initiated a sample survey of two possible locations for the Strategic Defense Initiative's planned 5 km long Free Electron Laser on White Sands Missile Range in June 1986 as a subcontract with Prewitt and Associates, a Texas-based contracting organization. This survey was designed as a

sample of 500 by 500 m quadrats totaling 15 sq km of land area. Results of the survey were published in a draft environmental impact statement and ultimately became pivotal in the final site selection for the project. Subsequently, OCA was the successful bidder for an open-end contract with the Ft. Worth District Corps of Engineers to do all the cultural resources work involved with construction of the laser facility. Since January of 1987, the GBFEL-TIE project has entailed intensive survey of 20 sq km in the southern Tularosa Basin, development of a comprehensive research design for the overall project, excavation at eight site locations (to date), and a parallel geomorphological study being undertaken by UNM's Department of Geology. The project is located within the area of OCA's previous Border Star 85 survey and thus offers an excellent opportunity to rigorously evaluate the utility of different survey methods in a region characterized by extremely dynamic dune sands. A major emphasis of the first stage of research is development of a model of geomorphological processes for the region and their effects upon extant surface-visible and subsurface archeological materials. OCA's concentration on the taphonomy of site formation within coppice dune geomorphological settings will constitute a critically important baseline for future research and for evaluation of the adequacy of prior archeological research in the region. The final report for the sample survey is now in review, and the first draft report concerning the intensive survey and

excavation project is expected to be completed in October of this year.

Two other projects in south-central New Mexico were undertaken for the Bureau of Land Management near El Paso along the western scarp of the Rio Grande. The Santa Teresa survey was conducted on approximately 1000 acres of patent-restricted land being traded to a developer as part of the Navajo-Hopi Land Exchange. In addition to gathering important detailed information on sites ranging in age from the Late Archaic through the El Paso phase, the survey established a descriptive and photographic baseline for use by the BLM in monitoring the sites in the future. A second project in the same general area involved excavation of a number of small sites, again ranging in dates from the mid-Archaic through the El Paso phase, or ca. 1500 BC - AD 1400. Results of both projects have been used to test current hypotheses that the basic strategy of human subsistence and settlement within that region involved a high degree of residential mobility throughout the ca. 3000-year span of occupation that can be well dated. Draft final reports for both projects are being reviewed by the BLM.

The Sierra Blanca Airport mitigation project was completed in December of 1986, and the draft final report is being edited at this time. The project entailed excavation of fourteen sites on Fort Stanton Mesa in the Sacramento Mountains of south-central New Mexico and parallel historical overview and geomorphological study. The

archeological sites were all scatters of lithic artifacts, predominantly reflecting acquisition and manufacture of locally available San Andres chert. Analysis of the assemblages has provided important information concerning the techniques of initial core reduction and subsequent tool manufacture (including heat treatment) and also approached problems of identification of the degree to which strategies of raw material acquisition were logistical or embedded.

OCA experienced an upturn in projects within the Four Corners region during FY 86-87, almost entirely due to the BLM open-end contract, now in its third year of renewal. The overview and research design for data recovery at sites within the Bolack Land Exchange south of Farmington was completed and published, and excavations were subsequently undertaken in June of 1987 at three of the 58 sites in the exchange parcel. Two were early Navajo sites, and one was a Mesa-Verde phase settlement consisting of at least six surface rooms, two kivas, and a pithouse. Three distinct occupational sequences within the thirteenth century could be identified at the latter site. Work at the site was conducted in part with help from the San Juan Archaeological Society. Analysis of excavated materials is underway. Of particular interest is the large amount of faunal remains recovered from the trash fill of one kiva, which offers very exciting potential for gaining new insight into the economic base of Mesa Verde phase occupation south of the San Juan River.

Another project related to the BLM Bolack Land Exchange project is an ethnohistorical survey of Navajo sacred sites, entailing historical research, ethnographic interviews, and archeological archival research to identify all major sites of religious significance to the Navajos in the PRLA coal area.

Other BLM-sponsored work in the San Juan Basin included mapping of three Chacoan Outlier sites and a critical review of the accuracy and representativeness of previous sample surveys conducted on a number of coal lease lands in the basin.

OCA maintained an active involvement in Albuquerque area archeology through a number of projects with different sponsors. Among these were survey of the future Venada Airport site on the West Mesa north of Rio Rancho, survey of the proposed Hawk Missile Battalion headquarters on the east bank of the Rio Puerco north of I-40, and survey of portions of the McBeth Land Exchange in that same area. The final report for the Venada Airport survey was produced in August of 1986, and the latter two surveys have just been completed.

Carry-over projects from the previous fiscal year included continued survey, monitoring, and limited test excavations conducted near Fence Lake in conjunction with the Salt River Project mine development and preparation of the second half of the Roswell District BLM overview of cultural resources in southeastern New Mexico.

Finally, two small projects were undertaken near Taos. The Guadalupe Mountain project entailed data recovery at a multicomponent lithic site that will be impacted by mining operations, and a survey was conducted for improvements at the Taos airport.

On-going projects include continued work on White Sands Missile Range for the GBFEL-TIE project, a reconnaissance survey and interview project for the BLM in eastern Torrance County, and excavation for the BLM near the Las Cruces Fairgrounds. It is anticipated that major fieldwork on the Pac-Tex Pipeline in southern New Mexico will begin this fall. A summary list of all FY 86-87 projects is attached.

3. Financial Statement

FY 86-87 was an extremely successful year financially, as measured by revenues and indirect costs encumbered as new projects. Despite our previous predictions for a relatively slow year, total encumbered revenues exceeded \$1.3 million, generating \$349,380 in IDC. Taking into account the promised IDC and direct salary charges made to projects, OCA has again generated a solid funds surplus to UNM. Reasons for this are twofold: the BLM open-end contract began to generate a significant number of task orders in its third year (eight tasks worth more than \$320,000), and the new open-end contract with the Ft. Worth District Corps of Engineers for the GBFEL-TIE project has generated ten task

SUMMARY OF OCA CONTRACTS (continued)

<u>Date</u>	<u>PDS No.</u>	<u>Sponsor</u>	<u>Project</u>	<u>Award Amount</u>	<u>IDC Amount</u>
12/4/86	185-302b	Pacific Texas Pipeline and Transportation	Revised survey of pipeline right-of-way	30,798.00	29,031.00*
12/15/86	185-211c	Salt River Project	Road survey	15,769.00	5,042.00
12/19/86	185-324d	U.S. Army Corps of Engineers (Ft. Worth)	Work Task 2: Oro Grande area survey	401,091.38	101,769.00
12/19/86	185-324e	U.S. Army Corps of Engineers (Ft. Worth)	SHPO travel and per diem expenses	2,871.00	820.00
12/19/86	185-324f	U.S. Army Corps of Engineers (Ft. Worth)	Preparation and installation of display panels	7,149.56	2,042.00
12/23/86	185-324b	U.S. Army Corps of Engineers (Ft. Worth)	Research design preparation	40,369.76	11,534.00
12/23/86	185-324c	U.S. Army Corps of Engineers (Ft. Worth)	Geomorphological studies	70,683.08	9,851.00**
1/8/87	185-331	Riverside Construction	Survey of gravel pit	753.00	241.00
1/9/87	185-332	Camp, Dresser & McKee	Literature review of cultural resources with potential landfill sites near Albuquerque	1,682.00	538.00
1/20/87	185-324h	U.S. Army Corps of Engineers (Ft. Worth)	Work Task 5: monitoring	19,410.70	4,923.00

* Reflects budget revision above amounts reported in FY 85-86 annual report

** Joint contract with Department of Geology--IDC rate reflects OCA's share only.

<u>Date</u>	<u>PDS No.</u>	<u>Sponsor</u>	<u>Project</u>	<u>Award Amount</u>	<u>IDC Amount</u>
1/28/87	185-334	Mountain Bell	Survey of pole lines near San Antonio	2,573.00	823.00
2/18/87	185-334a	Mountain Bell	Monitoring of buried cable trench near San Antonio	4,585.00	1,466.00
2/24/87	185-330b	Ken Marron & Associates	Survey of a right-of-way in Albuquerque	1,811.00	579.00
3/3/87	185-337	Leedshill-Herkenhoff	Waterline survey near Fort Stanton	985.00	315.00
3/20/87	185-247y	Bureau of Land Management	McBeth Land Exchange survey	17,731.00	4,499.00
3/20/87	185-339	Leedshill-Herkenhoff	Survey of the Taos airport addition	7,854.00	2,511.00
5/8/87	185-324k	U.S. Army Corps of Engineers (Ft. Worth)	Continued survey and testing on White Sands Missile Range	29,999.92	7,612.00
5/13/87	185-123m	Ft. Bliss-U.S. Army Air Defense Artillery Center	Revision of contract to pay Bob Hard for unused annual leave	980.91	89.17
5/19/87	185-340b	Bureau of Land Management	Reconnaissance survey in Torrance County	23,843.00	6,050.00
6/1/87	185-324L	U.S. Army Corps of Engineers (Ft. Worth)	Data recovery and analysis at Sites 79-2 and 75-6	181,315.37	46,005.00
6/1/87	185-324m	U.S. Army Corps of Engineers (Ft. Worth)	Liaison position at White Sands Missile Range headquarters	13,937.56	3,536.00
6/1/87	185-324n	U.S. Army Corps of Engineers (Ft. Worth)	Monitoring, survey, and coordination at White Sands Missile Range	31,941.80	8,105.00
				TOTAL \$1,333,620.66	\$349,380.00

SUMMARY OF OCA CONTRACTS

<u>Date</u>	<u>PDS No.</u>	<u>Sponsor</u>	<u>Project</u>	<u>Award Amount</u>	<u>IDC Amount</u>
6/10/86*	185-310	Mountain Bell	Resurvey of buried cable line near Socorro	\$ 632.00	\$ 202.00
6/13/86*	185-311	Cibola National Forest	Excavation near Ramah	9,952.00	2,525.00
6/27/86*	185-306a	Prewitt and Associates	Sample survey on White Sands Missile Range	9,706.00	3,103.00
6/30/86*	185-247o	Bureau of Land Management	Survey of 1000 acres near Santa Teresa	29,719.00	7,541.00
7/9/86	185-315	Salt River Project	Road survey at Fence Lake	1,514.00	484.00
7/23/86	185-247r	Bureau of Land Management	Historical structure reports for three Chacoan outliers	14,349.00	3,641.00
7/23/86	185-316	Albuquerque Academy	Analysis and report of Albuquerque Academy Site #1 data	9,207.00	2,944.00
7/29/86	185-318	Complete Archaeological Service Associates	100 copies of final Ridges Basin report	11,244.00	3,595.00
8/4/86	185-247s	Bureau of Land Management	Task scoping for data recovery at 18 features in the New Mexico portion of the Navajo-Hopi Land Exchange	163,537.00	41,494.00
8/6/86	185-319	Mountain Bell	Monitoring near "Old Park City" (LA 39376)	356.00	117.00
8/11/86	185-185L	Transwestern Pipeline	Survey near Old Laguna	1,214.00	388.00
8/20/86	185-320	Riverside General Const.	Survey near Moriarty	873.00	279.00

* Projects encumbered after FY 85-86 annual report was prepared

<u>Date</u>	<u>PDS No.</u>	<u>Sponsor</u>	<u>Project</u>	<u>Award Amount</u>	<u>IDC Amount</u>
9/15/86	185-168e	U.S. Army Corps of Engineers (Albuquerque)	Modification of contract DACW47-83-C-0013 (Site 48 revision)	20,315.00	6,009.00
9/19/86	185-247u	Bureau of Land Management	Data recovery program for Navajo cultural resources within the Bolack Exchange lands	34,157.00	8,667.00
9/22/86	185-247t	Bureau of Land Management	Revised task scoping for Phase I data recovery at LA 38424	19,419.00	4,927.00
9/24/86	185-123m	Ft. Bliss-U.S. Army Air Defense Artillery Center	Mark Stiger assignment agreement (new)	56,540.00	5,140.00
9/24/86	185-185m	Transwestern Pipeline	Monitoring near Old Laguna	3,857.00	1,233.00
9/25/86	185-247v	Bureau of Land Management	Preparation of the San Juan Coal EIS Technical Report, Tasks 3 and 4	21,710.00	6,942.00
9/30/86	185-322	Gas Company of New Mexico	Survey of pipeline near Santo Domingo	784.00	251.00
10/13/86	185-323	Mountain Bell	Survey of phone cable near San Antonio	1,191.00	381.00
11/4/86	185-325	Transwestern Pipeline	Survey of compressor station near Corona	1,332.00	426.00
11/7/86	185-326	Bernalillo County Road Department	Survey at intersection of Isleta and Arenal	564.00	180.00
11/21/86	185-327	Transwestern Pipeline	Survey of pipeline on Laguna Reservation	770.00	246.00
12/1/86	185-328	Mountain Bell	Survey of phone cables in Corrales	631.00	202.00
12/2/86	185-123n	Ft. Bliss-U.S. Army Air Defense Artillery Center	Mark Stiger assignment extension	11,912.62	1,082.97

SALARY CREDITS FOR JULY 1986 - JUNE 1987

<u>Date</u>	<u>Amount</u>
8/31/86	\$ 3,237.00
9/22/86	3,530.00
11/4/86	3,583.00
12/5/86	4,264.00
3/31/87	1,802.00
4/3/87	2,554.00
4/13/87	1,764.00
5/10/87	<u>4,500.00</u>
Total	25,234.00

OVERALL FINANCIAL SUMMARY

Total budget (033-036-0)	\$ (91,950.00)
Total salary credits	25,234.00
Total overhead generated	349,380.00
Difference between expenses and credits	282,664.00

orders worth more than \$790,000 between January and July 1 of this year. The combined sudden increase in BLM contracts coupled with the new GBFEL-TIE work thus represents nearly 85% of the revenues generated during FY 86-87. We anticipate that both open-end contracts will continue with similar levels of funding well into FY 87-88 (another task order worth \$400,000 was verbally authorized on July 1, 1987, for continued work at White Sands Missile Range).

4. Support for Anthropology Graduate Students
and Academic Program

OCA experienced a very productive year in providing support for the anthropology department academic program. Direct financial support was provided to 30 anthropology graduate students and 5 undergraduate students hired by OCA on projects or as work study students. An additional 3 UNM graduate students from other departments were also employed by OCA during FY 86-87. Anthropology graduate students working on-call or as occasional employees on Payroll 20 alone earned \$80,875 from OCA this year. (This does not include work study or other contracted services.) Specific experience and training provided by OCA varied from individual to individual, but a full spectrum of archeological field and laboratory job positions were filled by students. Positions ranged from project directors through field and laboratory analysts to editing and report production jobs.

FY 86-87 ANTHROPOLOGY STUDENT EMPLOYMENT

by the Office of Contract Archaeology

July 1, 1986 - June 30, 1987

<u>Name</u>	<u>Student Status</u>
Amick, Daniel	Graduate
Arena, Peter	Undergraduate
Arnold, Phillip	Graduate
***Arsenault, Christine	Undergraduate
Baca, Lynn	Graduate
Backer, Anna	Graduate
Berman, Michael	Graduate
Callahan, Kevin	Graduate
Carrillo, Charles	Graduate
*Cote-Schmader, Robyn	Graduate
Doleman, William	Graduate
Enloe, James	Graduate
*Eschman, Peter	Graduate
Johnson, Colleen	Graduate
**Kludt, Trevor	Undergraduate
Kneebone, Ronald	Undergraduate
Kuhn, Steve	Graduate
Lane, Barbara	Graduate
Larralde, Signa	Graduate
*MacPherson, Gayle	Graduate
McAnany, Patricia	Graduate
Mills, Barbara	Graduate
Moore, Ellen	Undergraduate
O'Hara, Linda Mick	Graduate
Olson, Lenora	Graduate
Payne, Melissa	Graduate
Roberts, Alexandra	Graduate
Rossignol, Jacqueline	Graduate
Schmader, Matthew	Graduate
Sebastian, Lynne	Graduate
**Smith, Carrie	Graduate
Smyth, Michael	Graduate
Snyder, James	Graduate
Stansbury, James	Graduate
Stiger, Mark	Graduate
**Thompson, Christopher	Graduate
***Urguhart, Fiona	Undergraduate
Wandsnider, Luann	Graduate

* graduate students in other departments

** work study in addition to other projects

*** undergraduates in other departments

During FY 86-87 OCA also made major computing hardware and software purchases out of soft monies. Four MS-DOS desktop microcomputers, two portable MS-DOS microcomputers, and one CPM portable microcomputer were purchased, along with necessary ancillary equipment. In addition, major analytical and graphics software packages were acquired. The availability of microcomputing hardware, software, and technical expertise at OCA continues to provide the anthropology department students and faculty with a significant research and educational resource.

Data from OCA projects continue to be used for Master's theses and Ph.D. dissertations. Patrick Hogan's dissertation (submitted to Washington State University) used data from the Salt River Project, and Lynne Sebastian is using OCA-generated data from the San Juan Basin for her dissertation. Christopher Thompson is employing Cochiti Reservoir lithic data for his M.A. thesis, and William Doleman is using newly gathered GBFEL-TIE survey data for his dissertation.

5. Other Activities

Joseph Winter, director of OCA, was on a research leave from January 19 through June 8, 1987. During that time Richard Chapman served as acting director and Patrick Hogan served as acting assistant director.

During his research leave Dr. Winter worked on two books. One (Stone Circles, Ancient Forts and Other Antiquities of the Dry Cimarron Valley) has been accepted for publication by the Office of Cultural Affairs of the State of New Mexico. The second (Cimarron Seco--The Life, Times, and History of a Dry Cimarron Valley Cowboy) is ready to submit for publication. An article entitled "Plant Husbandry in the Great Basin and Adjacent Northern Colorado Plateau" (Winter and Hogan) in Anthropology of the Desert West--Essays in Honor of Jesse D. Jennings (University of Utah Anthropological Papers No. 110) was also published during FY 86-87. Finally, the major publication on OCA's analysis of data from Sites 48 and 77 (co-edited by Winter) previously mentioned has generated considerable interest, dealing as it does with the analysis of a large adobe site that turned out to be sculpted.

Richard Chapman taught a readings course during the fall semester, served on two selection committees for the department, and gave talks concerning historic cemeteries in Albuquerque for the Albuquerque Archaeological Society and the New Mexico Genealogical Society. Chapman also wrote an essay, "Encounters with the Historic Dead," which was accepted for publication in the revised edition of Sharer and Ashmore's Archaeology.

Patrick Hogan was granted a Ph.D. in anthropology by Washington State University upon completion of his dissertation, Prehistoric Subsistence Strategies in West-

Central New Mexico, which used OCA-generated data as its subject. Hogan also gave a lecture on Archaic occupation of the San Juan Basin to the Albuquerque Archaeological Society.

Other lectures, professional papers, and non-OCA publications by senior OCA staff include the following (in alphabetical order):

Kurt Anschuetz. In addition to serving as vice president of the New Mexico Archeological Council, Anschuetz delivered three professional papers and gave a public talk. One paper, entitled "Pueblo III Subsistence, Settlement, and Territoriality in the Northern Rio Grande: The Albuquerque Frontier," was presented at the Conference of the Archaeology of Albuquerque, a combined effort of the New Mexico Archeological Council, the Albuquerque Archaeological Society, and the Archaeological Society of New Mexico. Two other papers were presented at the annual meeting of the Society for American Archaeology in Toronto: "Agricultural Intensification and Diversification in the Northern Rio Grande" and "Variability in Garden Plot Locations and Structure in the Lower Rio Chama Valley, New Mexico" (both co-authored with Timothy D. Maxwell).

Glenna Dean. Dean contributed two articles published by other organizations: "Pollen Analysis of Human Coprolites" in Archaeological Investigations at Antelope House (National Park Service) and "The Prehistory of Trinity

County" (Texas) in Trinity County Beginnings (Trinity County Historical Commission).

Signa Larralde. Larralde presented three papers at professional meetings this year. The first, "Hunter-gatherers on the Landscape: Recognizing Mobility from Natural and Cultural Lithic Assemblage Variability," was presented at the annual meeting of the Society for American Archaeology in a symposium organized by Larralde and Kuhn (another OCA part-time employee). Larralde and Wandsnider (also employed this year by OCA) presented a paper at the 44th Annual Plains Conference entitled "Variability in Natural and Cultural Lithic Assemblages in the Green River Basin." Larralde's third paper, "Natural Processes and Subsurface Sorting of Lithic Distributions in the San Francisco Valley," was given at the 4th Annual Mogollon Conference. Larralde also taught an undergraduate archeology lab for the anthropology department in the Fall semester.

Lynne Sebastian. Sebastian presented a paper entitled "Settlement Patterns of the Kin Klizhin and Kin Bineola Outliers and Western Chacra Mesa" at the Chaco Canyon Conference on Recent Research. In addition, during her supervision of an OCA excavation project near Farmington, Sebastian supervised amateur volunteers from the San Juan Archaeological Society as part of the New Mexico State Historic Preservation Division certification program. The Bolack excavation project aroused considerable public

interest in the Farmington area, and Sebastian spent several days in public information interviews and newscasts for both Farmington and Albuquerque TV and newspaper reports.

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Garth L. Bawden, Director

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The third and last phase of the collections inventory consisted of six major activities: 1) to finish reorganization of the donor files; 2) check old catalog cards against inventory list and accession books; 3) physical check some large accessions; 4) check computer catalogs against inventory information and update the computer catalogs; 5) check for missing items in the warehouse; and 5) match missing item descriptions against found-in-collections, no-number and wrongly-numbered items. All the above were completed this past year with the exception of the 4th activity - the computer catalog check is done with 80% of the update still to be

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Significant archeological collections have been added from the Office of Contract Archeology and from excavations in New Mexico and Central America. Studies are in progress at the Smithsonian Institution, Los Alamos National Laboratories, The University of Michigan, Southern Illinois University and The University of New Mexico on archeological materials from the Maxwell. Additional research has been carried out by faculty and students at UNM and by employees of the National Park Service, Bureau of Land Management and the Laboratory of Anthropology.

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Forty-five researchers from UNM, NPS, Center for Anthropological Research, Laguna Pueblo and American Groundwater Consultancy used the archives as of January, 1987.

GRANTS:

NSF - \$90,200 - to continue organizing and cataloging the photographic collection

APS - \$2,500 - support for the docent program

Maxwell Museum Association - \$1,500 - support for the docent program

Maxwell Museum Association - \$2,500 - support for public programs

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Institute for Museum Services - \$13,614 - general museum
expenditures

GRANTS PENDING:

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HIRED:

Rachel Maurer - Program Specialist II, February 9, 1987

Mary Smith - Education Coordinator II, April 27, 1987

Natalie Pattison - Archives Supervisor, October 29, 1986

Patricia Ferguson - Clerical Specialist IV, June 8, 1987

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PUBLICATIONS BY STAFF:

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Zuni Pottery, Schiffer Press, 1987

Ms. Rodee handled one problems course student in conjunction with
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Dr. Bawden taught two classes - please check titles.

Marí Lyn Salvador: Please check her Biographical Sketch in the
Department.

Kathryn Trinkaus: Edited "Politics and Partitions: Human Boundaries and the Growth of Complex Societies", published by the Anthropological Research Papers of Arizona State University.

Reviewed "L'Archeologie Demain" by Alain Galley to American Antiquity.

Published "L'Industrie lithique du neolithique final a Semussac, Charente-Maritime" in Bulletin de la Societe Prehistorique Francaise.

Dr. Trinkaus taught a graduate anthropology seminar, Anthropology 507, with Dr. Wills in the Fall.

Stanley Rhine: Please check his Biographical Sketch in the Department.

WORKSHOPS ATTENDED BY STAFF:

Kathryn Trinkaus - Management Seminar at UNM; New Mexico Museum Association session on Archeological Collections.

Janet Hevey - Museum Archives Workshop, Smithsonian Institution, Washington, D.C.

Stanley Rhine - Second Conference on Health & Disease in the Prehistoric Southwest; Annual meetings of American Academy of Forensic Sciences; 7th Annual Meeting of the Mountain, Desert and Coastal Forensic Anthropologists.

Rachel Maurer - Assertiveness Training; Managing Stress, UNM.

Mary Smith - New Mexico Association session on Training Docents and Volunteers; Albuquerque Combined Docent Cooperative workshop.

Katherine Pomonis - Semester of Office Supervision, TVI; Managing Conflict, UNM; Contract and Grant Accounting, UNM; Lotus 1,2,3 workshop, UNM.

Sophie Collaros - Managing Non-profit Agencies for Efficiency and Results; The Effective Voluntary Board of Directors: Practice & Law; Effective Cash Management and Budgeting for Non-profit Organizations.

Mari Lyn Salvador - Panelist for NEH Museum Programs; President of the Latin American Concilium; Search Committee for Anthropology faculty; UNM Press Committee.

In general the goals for the coming year reflect continuation of the current ones: to improve the financial base of the museum and to further develop its programs.

A) Financial Development and the UNM Foundation

In conjunction with the Museum Association, the Maxwell has recently initiated an endowment drive among its members. The aim of this drive is to raise \$100,000 by the end of the first year, funds to be invested through the UNM Foundation with interest only being used for support of educational programs. The ultimate goal of this ongoing process will be to provide a firm financial foundation for the Maxwell Museum to support its educational and public mission irrespective of State economic fluctuations.

This formal drive will continue to be supported by individual financial development by the director in collaboration with the UNM Foundation.

B) Program Goals

Various developmental goals pertaining to the museum's programs will be attained during the coming year. These involve both the development of new programs and modification of older ones.

1) Photographic Archives

With the financial assistance of a recently awarded 2-year NSF grant for \$90,000, the coming year should see the full installation

of a photographic archive and commencement of a computerized catalog for these rich photographic collections. With the development of this project the nationally-renowned collection, emphasizing the Southwest but also world-wide in scope will be, for the first time, well curated and made fully accessible for research.

2) Archaeology

The recently-concluded agreement with the National Park Service whereby the definitive Chaco Canyon collections became part of the museum's curatorial responsibilities brings with it a complex and formidable management challenge. During the coming year, the Curator of Archaeology will complete an inventory of these collections and their accompanying documentation, rearrange storage of that part of the collection presently deposited in the museum and plan the spatial needs for a vitally-required new storage facility for the entire archaeological collection. In this way, immediate needs will be dealt with while planning for inevitable expansion of UNM's steadily-growing archaeological collection.

3) Education

The museum has for a long time maintained a program, unique to New Mexico, whereby volunteer staff teach anthropologically-related subjects in the schoolrooms of the Albuquerque Public School system (APS). The coming year will see the development of an ever closer relationship with APS whereby the educational staff of the museum will collaborate with APS curriculum committee so as to derive the

maximal value of this program and integrate fully into its curriculum.

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4) Anthropological Research

The recent gift of the home and accompanying endowment funds to the museum by Dr. Frank Hibben initiated planning towards the ultimate creation of a research center, administered by the museum but integrally linked to the research and educational needs of the Anthropology Department/Museum of Anthropology as an entity. The coming year will see the development of specific plans relating to the purpose of this center and the means of its function. This planning will involve the Director, the Anthropology Department Chairman and Dr. Hibben.

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**DEPARTMENT OF ANTHROPOLOGY ... Fiscal Year 1986-87
Newly Funded Research ... Faculty/Adjuncts**

HARRY FRANK GUGGENHEIM FOUNDATION

Vicki BURBANK, Adjunct Asst. Prof. Ethnology
"Fighting sticks and spears: women and aggression in an Australian
Aboriginal community"
Award period: 1/01/87-12/31/87 (deferred until 1988)\$23,400

AUSTRALIAN AMERICAN EDUCATIONAL FOUNDATION

James S. CHISHOLM, Assoc. Professor, Biological Anthropology
"Travel + \$640 expenses; Albuquerque to Australia"
Award period: 1/01/87-12/31/87 (deferred until 1988) Travel

RAC GRANTS

J. Stanley RHINE, Assoc. Prof. Biological Anthropology
"An evaluation of Perikmata age estimation for tooth crown formation time"
Award period: 10/30/86-6/15/87 \$1650

Lawrence STRAUS, Assoc. Prof. Archæology
"Upper Paleolithic research in Portugal"
Award period: 11/13/86-6/15/87 \$1700

Erik TRINKAUS, Assoc. Prof. Biological Anthropology
"Dental attrition & paleopathology of Upper Pleistocene humans"
Award period: 2/10/87-6/15/87 \$1762

Robert SANTLEY, Assoc. Prof. Archæology
"Experimental firings of fine paste South Gulf Coast clays"
Award period: 2/10/87-6/15/87 \$150

Hillard KAPLAN, Asst. Prof. Ethnology
"Nutrition, parental care and children's health and development ..."
Award period: 2/10/87-6/15/87 \$5000

Wirt WILLS, Asst. Prof. Archæology
"Investigating the emergence of villagers in the prehistoric
American SW"
Award period: 3/04/87-6/15/87 \$2000

NATIONAL GEOGRAPHIC SOCIETY

Lawrence STRAUS, Assoc. Prof. Archæology
"Upper Paleolithic research in Portugal"
Award period: 5/1/87-8/7/87 \$6300

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WORKSHOPS ATTENDED BY STAFF:

Kathryn Trinkaus - Management Seminar at UNM; New Mexico Museum Association session on Archeological Collections.

Janet Hevey - Museum Archives Workshop, Smithsonian Institution, Washington, D.C.

Stanley Rhine - Second Conference on Health & Disease in the Prehistoric Southwest; Annual meetings of American Academy of Forensic Sciences; 7th Annual Meeting of the Mountain, Desert and Coastal Forensic Anthropologists.

Rachel Maurer - Assertiveness Training; Managing Stress, UNM.

Mary Smith - New Mexico Association session on Training Docents and Volunteers; Albuquerque Combined Docent Cooperative workshop.

Katherine Pomonis - Semester of Office Supervision, TVI; Managing Conflict, UNM; Contract and Grant Accounting, UNM; Lotus 1,2,3 workshop, UNM.

Sophie Collaros - Managing Non-profit Agencies for Efficiency and Results; The Effective Voluntary Board of Directors: Practice & Law; Effective Cash Management and Budgeting for Non-profit Organizations.

Mari Lyn Salvador - Panelist for NEH Museum Programs; President of the Latin American Concilium; Search Committee for Anthropology faculty; UNM Press Committee.

**DEPARTMENT OF ANTHROPOLOGY ... Fiscal Year 1986-87
Newly Funded Research ... Faculty/Adjuncts**

HARRY FRANK GUGGENHEIM FOUNDATION

Vicki BURBANK, Adjunct Asst. Prof, Ethnology
"Fighting sticks and spears: women and aggression in an Australian
Aboriginal community"
Award period: 1/01/87-12/31/87 (deferred until 1988)\$23,400

AUSTRALIAN AMERICAN EDUCATIONAL FOUNDATION

James S. CHISHOLM, Assoc. Professor, Biological Anthropology
"Travel + \$640 expenses; Albuquerque to Australia"
Award period: 1/01/87-12/31/87 (deferred until 1988) Travel

RAC GRANTS

J. Stanley RHINE, Assoc. Prof. Biological Anthropology
"An evaluation of Perikmata age estimation for tooth crown formation time"
Award period: 10/30/86-6/15/87 \$1650

Lawrence STRAUS, Assoc. Prof. Archæology
"Upper Paleolithic research in Portugal"
Award period: 11/13/86-6/15/87 \$1700

Erik TRINKAUS, Assoc. Prof. Biological Anthropology
"Dental attrition & paleopathology of Upper Pleistocene humans"
Award period: 2/10/87-6/15/87 \$1762

Robert SANTLEY, Assoc. Prof. Archæology
"Experimental firings of fine paste South Gulf Coast clays"
Award period: 2/10/87-6/15/87 \$150

Hillard KAPLAN, Asst. Prof. Ethnology
"Nutrition, parental care and children's health and development ..."
Award period: 2/10/87-6/15/87 \$5000

Wirt WILLS, Asst. Prof. Archæology
"Investigating the emergence of villagers in the prehistoric
American SW"
Award period: 3/04/87-6/15/87 \$2000

NATIONAL GEOGRAPHIC SOCIETY

Lawrence STRAUS, Assoc. Prof. Archæology
"Upper Paleolithic research in Portugal"
Award period: 5/1/87-8/7/87 \$6300

H. JOHN HEINZ III CHARITABLE TRUST

Robert SANTLEY, Assoc. Prof. Archæology
"Specialized ceramic production at El Salado, Veracruz, Mexico"
Award period: 1/19/87-1/01/88 \$7995

NATIONAL SCIENCE FOUNDATION

Gair TOURTELLOT, Adjunct Asst. Prof. Archæology
"Collaborative research: Ancient Maya settlement and community patterns at
the site of Sayil Puuc region, Yucatan, Mexico"
Award period: 1/01/87-8/31/89 \$99,315

AMERICAN COUNCIL OF LEARNED SOCIETIES TRAVEL GRANT

Lawrence STRAUS, Assoc. Prof. Archæology
"...for travel to University of Cambridge Symposium" \$1000

TINKER FIELD RESEARCH GRANT

Hillard KAPLAN, Asst. Prof. Ethnology
Award \$1607

TOTAL newly funded research: \$151,879 + travel

PROPOSALS SUBMITTED 1986-1987

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Faculty/Adjuncts

U.N.M. Proposal Number

John M. FRITZ, NEH	101-350	09/26/86
John M. FRITZ, NSF	101-357	11/25/86
Hillard S. KAPLAN, NSF	101-362A	01/21/87
Lewis R. BINFORD, NSF	101-367	02/23/87
Wirt WILLS, Wenner-Gren	101-369	05/07/87
Hillard S. KAPLAN, NSF	101-371	06/08/87
James S. CHISHOLM, NSF	101-372	06/30/87

Graduate Students

Steven L. KUHN, NSF	101-348	09/04/86
James G. ENLOE, NSF	101-359	11/25/86
Mary C. STYNER, LSB Leakey	101-364	01/09/87

Faculty/Adjuncts

Other Proposals Submitted

Erik TRINKAUS, L.S.B. Leakey Foundation	09/17/86
Lawrence G. STRAUS, L.S.B. Leakey Foundation	10/10/86
James S. CHISHOLM, NSF	11/07/86
Wirt WILLS, National Geographic Society	02/16/87
Jeffery W. FROEHLICH, UNM Foundation	02/23/87

**Newly Funded Research ... Anthropology Graduate Students
1986-87**

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NATIONAL SCIENCE FOUNDATION

Martha GRAHAM, Archæology "Residential site structure of the Tarahumara: an ethnoarchæological approach to settlement organization"	Award period: 11/86 - 11/87	\$9912
Michael PETRAGLIA, Archæology "Site formation processes at Abri Dufaure"	Award period: 8/15/86-1/31/88	\$3672
Barbara MILLS, Archæology "Ceramic and settlement in the Cedar Mesa area"	Award period: 9/01/86-2/29/88	\$4970
Mary STINER, Archæology "Foraging ecology of pre-modern hominids"	Award period: 4/1/87-9/30/88	\$6590
Signa LARRALDE, Archæology "Variability in natural and cultural lithic assemblages"	Award period: 6/01/87-11/30/88	\$4025
Michael P. SMYTH, Archæology "Household storage behavior at Puuc Region of Yucatan"	Award period: 6/15/87-8/31/88	\$5170

FULBRIGHT SCHOLARSHIPS

Mary STINER, Archæology "...for study in Italy"	Award Period: 8/19/86-12/31/87	\$6463
Steven KUHN, Archæology "...for study in Italy"	Award period: 8/19/86-12/31/87	\$6463

OAS FELLOWSHIP

Michael SMYTH, Archæology "Storage behavior at the Puuc region of Yucatan, Mexico: an ethnoarchæological investigation"	Award period: Academic year 86/87 ..(travel + monthly stipend)	\$3000
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673 Newly Funded Research: Anthropology Graduate Students, continued

LEAKEY FOUNDATION

Signa LARRALDE, Archæology "Lithic assemblages in Context: Raw material distribution versus artifact distribution in the central Green River Basin, WY"	
Award period: 6/01/86-6/30/87	\$975

SIGMA XI SCIENTIFIC RESEARCH SOCIETY

Michael SMYTH, Archæology "Household storage behavior at the Puuc Region of Yucatan, Mexico"	
Award date: 12/19/86	\$400

SRAC GRANTS: Fall 1986

Michael ALVARD, BioSocial Anthropology	\$100
J.C. SOBUS, Physical Anthropology	50
Russell GREAVES, Archæology	125

SRAC GRANTS: Spring 1987

Rani ALEXANDER, Archæology	\$100
Michael ALVARD, BioSocial Anthropology	150
Flip ARNOLD, Archæology	150
Jutta BRASS-DALE, Ethnology	250
Jeff COHEN, Ethnology	43
Bryan CURRAN, Physical Anthropology	150
James ENLOE, Archæology	150
T.J. FERGUSON, Archæology	130
Lucy FOWLER, Ethnology	43
Nurit GOLDMAN, Archæology	150
Craig HELLER, Archæology	166
Ronald KNEEBONE, Archæology	50
Signa LARRALDE, Archæology	150
Marilyn LONDON, Physical Anthropology	150
Barbara MILLS, Archæology	125
Kathy RILEY, Physical Anthropology	100
Michael ROBERTSON, Ethnology	150
Michael SMYTH, Archæology	75
Nancy THORNHILL, BioSocial Anthropology	60
Robert TOMPKINS, Physical Anthropology	150
Bradley VIERRA, Archæology	150

VICE PRESIDENT'S GRADUATE RESEARCH FUND: Spring 1987

Michael ALVARD, BioSocial Anthropology	\$300
Phillip ARNOLD, Archæology	50
Bryan CURRAN, Physical Anthropology	300
James ENLOE, Archæology	300

SRAC GRANTS: Summer 1987

Anna BACKER, Archæology	\$100
Jeff COHEN, Ethnology	150
Bryan CURRAN Physical Anthropology	100
Christopher DORE, Archæology	150
Robert FRANCISCUS, Physical Anthropology	150
Mary HOUGHTELING, Archæology	50
Ronald KNEEBONE, Archæology	100
Kathy RILEY, Physical Anthropology	150
Michael SMYTH, Archæology	100

VICE PRESIDENT'S GRADUATE RESEARCH FUND: Summer 1987

Jeff COHEN, Ethnology	\$125
Bryan CURRAN, Physical Anthropology	125
Christopher DORE, Archæology	125
Robert FRANCISCUS, Physical Anthropology	300
Kathy RILEY, Physical Anthropology	125

TINKER/MELLON FIELD RESEARCH GRANTS

Jeffrey COHEN, Ethnology	
"Weaving the world: The art of the Zapotec of Teotitlán del Valle"	\$600
Michael SMYTH, Archæology	925
Wayne BABCHUK, BioSocial Anthropology	1607
Rani ALEXANDER, Archæology	650
Jeffrey COHEN, Ethnology	600
Christopher DORE, Archæology	250
Michael ALVARD, BioSocial Anthropology	1607

U.N.M. DEPARTMENT OF ANTHROPOLOGY RESEARCH GRANT

Jutta DALE, Ethnology	\$400
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Total funds: \$63,996

Anthropology Department ... Graduate Student Awards
1986-87

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GRADUATE TUITION FELLOWSHIP

Andrea CARVEY, Archæology

Financial need and academic excellence award.

Period: Academic Year up to 12 hours

SCHOOL OF AMERICAN RESEARCH RESIDENT SCHOLAR

Thomas KILLION, Archæology

Period: Academic Year

GRADUATE ACHIEVEMENT AWARD

Galen BURGETT, Archæology

Period: Academic Year \$1000

NATIONAL SCIENCE FOUNDATION FELLOWSHIP

Rani ALEXANDER

Period: 3 years

SMITHSONIAN POST-DOC FELLOWSHIPS

Thomas Kavanagh, Ethnology

Michael Petraglia, Archæology

Robert Hard, Archæology

G*POP FELLOWSHIP

Brenda Manuelito, Ethnology

MUCIA - INDONESIA - IXth WORLD BANK EDUCATION PROJECT FELLOWSHIP

Jatna Supriatna, Physical Anthropology

FULBRIGHT INSTITUTE OF INTERNATIONAL EDUCATION GRANT

Nelson Mkandawire, Ethnology

LECTURES at the U.N.M. ANTHROPOLOGY DEPARTMENT ... 1986 - 1987

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- 17 Sept 86 DR. BENSON DAITZ
M.D. Family, Community and Emergency Medicine, U.N.M.
"Research projects and opportunities in family medicine at U.N.M."
- 9 Oct ... DR. DAVID STUART
Asst. Prof. of Anthropology, U.N.M.
"Styles of competition in primitive societies"
- 15 Oct ... DR. HILLARD KAPLAN
Asst. Prof. of Anthropology, U.N.M.
"Research opportunities and projects on tropical forest foragers"
- 29 Oct ... BIOSOCIAL ANTHROPOLOGY
BioSocial Faculty, U.N.M.
"Funding resources and grant writing for dissertation research"
- 7 Nov ... MATT SCHMADER
U.N.M. Anthropology Graduate Student
"Current directions in local archæology"
- 11 Nov ... DR. GARTH BAWDEN
Assoc. Prof. of Anthropology, U.N.M.
"Current archæological investigations at Ilo, Peru"
- 12 Nov ... DR. HILLARD KAPLAN
Asst. Prof. of Anthropology, U.N.M.
"Prehistoric diet, nutrition, subsistence: report on the Chacmool Conference"
- 19 Nov ... JØRG ØPHERK
Frieda D. Butler Memorial Lecture, U.N.M. Anthropology Graduate Student
"Icelandic social structure during the Commonwealth Period: 930-1261"
- 21 Nov ... D. SCOTT WILSON
U.N.M. Anthropology Graduate Student
"Tales from the dark side: more male prostitutes in Denver"
- 22 Nov ... SECOND CONFERENCE ON HEALTH AND DISEASE IN THE SOUTHWEST
- 26 Nov ... DR. JANE LANCASTER
Prof. of Anthropology, U.N.M.
"Origins of human sexuality: conference at the Institute of Human Origins, Berkeley"
- 5 Dec ... KRISTINA KOSSE
Maxwell Museum Curator
"Accessing ethnological and archæological collections at the Maxwell Museum"
- 8 Dec ... DR. WILLIAM MCGREW
University of Stirling, Scotland
"The chimpanzee's challenge: continuing revelations from field studies of African apes"

Lectures at the Department of Anthropology, continued

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- 10 Dec ... BIOSOCIAL ANTHROPOLOGY
U.N.M. BioSocial Faculty
"Report on special sessions at AAA Meetings"
- 24 Feb 87 DR. JEFFREY LONG
Hunter College of CUNY
"A phylogeny of beta globin haplotypes and its implications for the
relationships of human groups"
- 26 Feb .. DR. ANTONIO GILMAN
California State University - Northridge
"Contracts in Bronze Age social evolution within the Iberian Peninsula"
- 26 Feb ... DR. CAROL WORTHMAN
"Biosocial constraints on adolescent development"
- 27 Feb ... DR. KIM HILL
Emory University
"Foraging models and nutrient complementarity"
- 5 Mar ... DR. JIM SHAFFER
Case Western Reserve
"The Indus Valley civilization: origins and ethnicity"
- 6 Mar ... JIM STANSBURY
U.N.M. Anthropology Graduate Student
"The Nicaraguan Miskito living in Honduras"
- 28 Mar ... PALEOLITHIC RESEARCH SYMPOSIUM
Graduate Students in Anthropology
- 30 Mar ... MICHAEL ALVARD and WAYNE BABCHUK
U.N.M. Anthropology Graduate Students
"Sex roles, subsistence and reproduction"
- 30 Mar ... DR. JAMES BOONE
University of Texas-Austin
"State formation & development in Portugal, AD 850-1550"
- 2 Apr ... WILLOW ROBERTS-POWERS
U.N.M. Anthropology Graduate Student
"Trading on the Navajo Reservation"
- 2 Apr ... DR. PATRICIA McANANY
University of Cincinnati
"Cross-currents in tributary modes of production"
- 3 Apr ... MICHAEL ROBERTSON
U.N.M. Anthropology Graduate Student
"Homeless Folks"

- 8 Apr ... DR. LOUISE LAMPHERE
U.N.M. Prof. of Anthropology
"Work and the family view from the Frost Belt and the Sun Belt"
- 8 Apr ... DR. SYLVIA RODRIGUEZ
UCLA
"Ethnic boundaries & tourism in Taos"
- 9 Apr ... DR. ROBIN TORRENCE
Northwestern
"Retooling: toward a theory for hunter-gatherer technology"
- 10 Apr ... VIDEO PREVIEWS
U.N.M. Anthropology Department/BLane productions
"From Darkness into Light"
"The Archaeological Field School 1983 Season"
- 13 Apr ... DR. PATRICIA ZAVELLA
San Jose State University
"The anthropology of work and family: Chicano factory workers &
SW labor markets"
- 16 Apr ... DR. JACK LOBDELL
Archaeologist, Anchorage, Alaska
"The People of Utqiagvik"
- 23 Apr ... DR. LAURA BETZIG
University of Michigan
"Redistribution on Ifaluk"
- 24 Apr ... THOMAS KILLION
Ruth E. Kennedy Memorial Lecture
U.N.M. anthropology graduate student
"Solar Jardín y Milpa: the Archaeological Implications of
Campesino Agriculture in Southern Vera Cruz"
- 30 Apr ... DR. W. CHIP WILLS
Asst Prof Anthropology, U.N.M.
"Early Agriculture in the SW: new direction for the UNM Field School"
- 4 May ... DR. JOÃO ZILHÃO
University of Lisbon

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DEPARTMENT OF ANTHROPOLOGY GRADUATES 1986 - 1987

BACHELOR OF ARTS

(SPRING only)

Anthropology MajorMinor

Cynthia JOHNSON
 William KLAUS
 Elizabeth KREHBIEL
 Caitlin MARTIN
 Linda MATZ
 Leslie RUIZ
 Cindy RUPPER
 David SHEPARD
 Russell VILLARS
 Richard WISECARVER

Mark LEWIS
 Dagmar SHAW
 Lola MEADOR
 Carole YAZZIE-SHAW

BACHELOR OF SCIENCE

(SPRING only)

Anthropology MajorMinor

Michelle GIBBS
 Toni GOAR
 Lynne MURPHY
 Lindsay PRIC
 Louis REDMOND
 Robert ZOUHAR

Gretchen ALLISON
 Kathryn CAPELS
 Frank CIACCI

Rani Teresa ALEXANDER
Archeology

Jorg OPHERK
Ethnology

Jatna SUPRIATNA
Biological Anthropology

Hilaire Paul VALIQUETTE
Linguistics

Anna Mary BACKER
Archeology

Jeffrey Harris COHEN
Ethnology

Russell B COLE
Ethnology

Katharine Hamilton FULLER
Archeology

Russell Dean GREAVES
Archeology

Caroline Marie HARTSE
Ethnology

Mary Wallace HOUGHTELING
Archeology

Sandra Lee MARSHALL
Archeology

Kathleen D MORRISON
Archeology

Lisa Marie THIRKILL
Ethnology

DOCTOR OF PHILOSOPHY

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Robert Jarratt HARD

Archeology

"Ecological relationships affecting the rise of farming economics:
A test from the American Southwest"

Thomas William KILLION

Archeology

"An Ethnoarcheological study of horticultural practises and the
residential use of space in the Sierra de los Tuxtlas, Veracruz, Mexico"

Patricia Ann MCANANY

Archeology

"Lithic technology and exchange among wetland farmers"

Mark Allen STIGER

Archeology

"Technological organization and spatial structure in the archeological
record"

COURSES OFFERED by DISCIPLINE

1986 -1987

<u>DISCIPLINE</u>	<u>SUMMER 1986</u>	<u>FALL 1986</u>	<u>SPRING 1987</u>
Archeology	1	10	16
Archeology Lab .....	.....	2	2
Biological Anthropology .....	.....	8	4
(Cross-listed)	1 (Field School)	.....	.....
Biological Lab .....	.....	3	2
BioSocial Anthropology .....	.....	2	1
Ethnology	2	15	17
(Cross-listed) .....	.....	(2)	(1)
Museology .....	.....	.....	1
Linguistic Anthropology .....	.....	1	3
(Cross-listed) .....	.....	(3)	(6)
General Anthropology	1 (SW Institute)	3	2
TOTALS	4	44	48
(Cross-listed)	(1)	(5)	(7)

ENROLLMENT FIGURES

Summer 1986	187
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Spring 1987	1459

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GRADUATE PROGRAM INFORMATION
1986-1986

FALL 1986	APPLICATIONS	REJECTED	ACCEPTED	DECLINED	POSTPONED	NOW SHOW	ENROLLED
Archeology	24	3	23	3	1	1	16
Biological Anthro	4	1	2	1	0	0	2
Biosocial Anthro	2	0	2	0	0	0	2
Ethnology	8	4	2	1	0	1	2
Linguistics	0	0	0	0	0	0	0
Multidisciplinary	1	0	1	0	0	0	0
TOTAL	39	8	31	5	1	2	23
Applicants	39						
Rejected (dept)	8						
Accepted	31						
Postponed	1						
Now Show	2						
Declined	5						
Enrolled	23						

SPRING 1987	APPLICATIONS	REJECTED	ACCEPTED	DECLINED	POSTPONED	NOW SHOW	ENROLLED
* Archeology	2	0	2	0	0	1	2
Biological Anthro	2	0	2	0	0	0	2
Biosocial Anthro	0	0	0	0	0	0	0
Ethnology	3	0	3	0	0	0	3
Linguistics	0	0	0	0	0	0	0
Multidisciplinary	0	0	0	0	0	0	0
TOTAL	7	0	7	0	0	0	7
*readmission							
Applicants	7						
Enrolled	7						

APPOINTMENTS, SEPARATIONS AND PROMOTIONS

1986 -1987

APPOINTMENTSFaculty

Dr. Michael S. Foster (Visiting Spring 1987)
Dr. William C. McGrew (Visiting Fall 1986)
Dr. Hillard Kaplan, Ethnology
Dr. Louise Lamphere, Ethnology
Dr. Wirt "Chip" Wills, Archæology

Staff

Ms. Liliane Wyman, CS-V, Graduate Secretary

SEPARATIONSFaculty

Dr. Michael S. Foster
Dr. William C. McGrew
Dr. Linda S. Cordell, Archæology
Dr. Chad McDaniel, Anthropological Linguistics

Staff

Ms. Elaine Hollins, CS-VI

PROMOTIONSFaculty

Dr. Lawrence G. Straus (to Professor)
Dr. Erik Trinkaus (to Professor)

TENURE

Dr. Louise Lamphere

ANNUAL REPORT
OF THE
DEPARTMENT OF BIOLOGY

July 1, 1986 - June 30, 1987

Donald W. Duszynski
Professor and Chairman

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Annual Report of the Department of Biology

July 1, 1986 - June 30, 1987

Donald W. Duszynski, Professor and Chairman

I. General Information

A. Significant Achievements

On June 30, 1987 I completed my fifth year as chair. I was assisted greatly in my duties by the wisdom, counsel and hard work of my assistant chair, Professor Clifford S. Crawford. In addition, our task of guiding this large and complex department was tolerable, and sometimes fun, because of the dedicated efforts of a superb technical and professional staff. Most notable among this wonderful group were Mary Alice Root, Diane Schlatter, Carol Martindale, Claudia Gayheart, Ruth Mecklenburg, Rhonda Germano, Pamela Norris, Dave Opasik, Peter Curtiss, Roy Ricci, Beth Dennis and Bill Gannon. During the FY Biology continued to progress and mature as a leading department at UNM, as summarized below.

1. Building Renovations. With the appointment of Gerald May as President and a new administration on July 1, 1986, the renovation of the Biology Annex (approved in June 1986 by the Farer administration) was put on hold. Nonetheless, after renegotiating with the May administration, the cost of renovation (\$200,000) was eventually approved and work began on April 15, 1987. To date, the former teaching lab has been converted to new faculty offices for Assistant Professors Bruce Milne (104C) and Charles Wisdom (104B) and to an office for postdoctoral fellows (104C), a computer room (104A) and a new lab for gas chromatography (103). Work is now in progress on a new room (102B) within the organic prep lab (102) that will be designated only for high pressure liquid

chromatography (HPLC). When that room is completed the organic prep lab will be painted. Also in progress now is work on the two largest labs, the soils lab and the new inorganic lab. The final phase of the building renovation will include work on the acid wash lab and, funds permitting, cosmetic work on floors, ceilings and windows of labs, offices and hallways in the area occupied by Drs. Dahm and Molles.

2. Computer Additions. We continue to move in the direction of PCs and associated software and away from the University's mainframe except for exceedingly large number crunching. During the year we added the following PCs and related equipment to our departmental inventory: 17 PCs, 14 printers and various accessories (e.g., modem, ultrascan monitor, micrologger, etc.) and software. In addition, UNM has connected Biology to the Ethernet System (mainframe access) with 16 ports in Castetter and 8 ports in the Biology Annex.

3. The Biological Society of New Mexico (BSNM). In June, 1987, the BSNM sent its third annual newsletter (Appendix; item A) to 1740 alumni and supports of our program in Biology. To date, 37 people have responded with contributions totaling \$1,790 toward the activities of the Society. In addition Professor Roger Conant contributed \$1000 to the BSNM in December for the fifth consecutive year. During the FY, funds in the Society's account were used to sponsor recruitment of prospective graduate students in Biology, teaching awards for graduate students, and departmental seminar speakers.

4. Undergraduate Curriculum. The emphasis of our Department at the undergraduate level remains teaching Biology as a liberal art and our faculty and teaching assistants are dedicated to providing students with a broad selection of high-quality courses that are current and meaningful. Biology is one of the most popular majors in the College of Arts and Sciences and in Fall

Semester 1986, 398 A & S students were registered as Biology majors.

During the FY we added five new courses to our undergraduate curriculum: 112 - Biology Laboratory for Non-Majors, 222 - Introductory Genetics Problems, 224 - Natural History of the Southwest, 412 - Developmental Biology, 413 - Developmental Biology Laboratory, and 468 - Plant Reproductive Ecology.

During the FY we generated 17,990 student credit hours and awarded 62 B.S. degrees during the Summer 1986 (3), Fall 1986 (18) and Spring 1987 (41). This figure was 44.3% of the 140 B.S. degrees awarded by A & S for the FY. Our undergraduate advisors for the FY (G. Johnson, W. Johnson, W. Martin, M. Molles) served over 110 majors and minors during the FY.

5. Graduate Curriculum

a. Graduate student recruitment. This FY we recruited and interviewed two outstanding potential graduate students, Greg Farley from Kansas State University and Bruce Hofkin from the University of Oregon, in an effort to entice them to enter our graduate program. Both have decided to come to UNM to pursue their Ph.D. degrees. Funds for their recruitment expenses were provided by the BSNM. In the five years we have been actively recruiting "blue chip" graduate students to improve the quality of our program, 7 of 14 (50%) students recruited have entered the Ph.D. program at UNM.

b. Degrees awarded. During the FY we awarded 6 Ph.D. degrees, 4 M.S.I degrees and 1 M.S.II degree. The students who received these degrees, their major professors and their current whereabouts or progress are listed below.

Ph.D.s

G. Graham (Findley). Share with Wildlife Program, New Mexico Department of Game and Fish, Santa Fe.

- J. Bednarz (D. Ligon). Postdoctoral Research Associate, Department of Biology, UNM.
- K. Johnson (D. Ligon). Postdoctoral Research Associate, Department of Biology, UNM.
- G. Miller (Wiens). Postdoctoral Research Associate on his own NSF grant, New Zealand.
- J. Shagam (Barton). Organizing her own business in biotechnology, Albuquerque.
- T. George (Wiens). Postdoctoral Research Associate. Department of Fisheries & Wildlife Biology, Colorado State University, Ft. Collins, CO.

M.S.I

- M. Davis (Gosz). Works for the U.S. Forest Service, Glorieta, NM.
- D. Delgado (Trujillo). Employed by industry in California.
- H. Dinkeloo (Wiens). Ph.D. candidate, Department of Biology, Colorado State University, Ft. Collins, CO.
- N. Gentz (Yates). DVM student, College of Veterinary Medicine, Colorado State University, Ft. Collins, CO.

M.S.II

- M. Stebleton (Dahm). Works for the U.S. Forest Service, Ft. Collins, CO.

c. Graduate student teaching awards. During the FY, 14 of our graduate teaching assistants were rated "Excellent" or "Outstanding (*)" by their students in the campuswide ICES teacher evaluation program one or more times in one or more semesters.

These were: Fall 1986 - T. George, A. Gerstell, W. Kuipers (2 lab sections), M. Price, B. Smith, S. Wright, M. Yeaman; Spring 1987 - R. Calabro, J. Daly, K. Joyce, K. Kilburn, W. Kuipers, T. Lyons, T. Nusbaum, B. Smith, B. Wattam (2 lab sections), and M. Yeaman.

This year's winners of our Department's "Outstanding Graduate Student" teaching awards (\$100) were: Summer 1986 - Kerry Kilburn; Fall 1986 - Michael Yeaman and Spring 1987 - Ted Nusbaum.

d. Graduate student committee service. During the FY the following graduate students served the Department as members of important standing committees: Computer Use - O. Fuller, L. George; Graduate Policy - M. Roman; Representatives to Faculty Meetings - T. Nusbaum, S. Wright; Research Allocations - A. Asquith, J. Cook, B. Hager; Graduate Student Selection - S. Bandoni; Kogoma Replacement - W. Fuge, B. Riddle; Wiens Replacement - L. George, T. Nusbaum; Seminar - S. Gardner, R. Jennings; SRAC Representative - K. Schoenly; Undergraduate Policy - R. Calabro.

e. Graduate student professional accomplishments. During the FY, our graduate students made numerous professional contributions and received professional recognition that was exclusive of whatever was accomplished jointly with their major professors. These included 20 papers presented at regional, national and international meetings; 6 publications in refereed journals; 6 awards for outstanding student paper (W. Fuge, K. Johnson, A. McCallum, M. Roman, E. Trotter, B. Wattam); 11 grants/awards received for research support from professional societies/granting agencies (J. Cook, A. Dickerman, C. Dominguez, S. Gardner, N. Gentz - 3 awards, K. Johnson, B. Jones, K. Schoenly, B. Sullivan); 30 grants funded by GRAC/VPGRF at UNM; one NSF predoctoral dissertation improvement grant (S. Gardner); one AEC fellowship (3 years) at the Savannah River Ecology Lab (G. Hartman); and one UNM Foundation Award for Excellent in Teaching (M. Yeaman). These many achievements are in addition to departmental teaching awards (p. 4), jobs/postdocs secured by our degree recipients (pp. 3-4) and departmental research and travel awards of which there were 30.

6. Adjunct Professors, Joint Appointments, etc. Several of our faculty hold honorary joint appointments in other departments and a number of

professionals in other academic units, the private sector, industry and in government labs hold appointments in Biology; these people lend breadth and strength to our overall program. A current list of these appointments is in the Appendix (item B).

7. Professional and Technical Support Staff. One of the most important components of our very active Department is our support staff. The Department could not function without this group of dedicated (and badly underpaid) professionals.

8. Biology Faculty.

a. Teaching excellence. Fourteen of our faculty were rated as "Excellent" or as "Outstanding (*)" by their students in the campuswide ICES teacher evaluation program one or more times in one or more semesters last FY.

These were: Summer 1986 - Barton; Fall 1986 - Altenbach*, Crawford, Dahm, Findley, Kerkof*, D. Ligon, Loker, Martin, Trujillo; Spring 1987 - Altenbach, Baca, Crawford, Dahm* (2 courses), Kerkof* (3 courses), Loker*, Molles, Thornhill, Toolson, Trujillo*.

b. Professional activities, Biology Faculty 1986.

(1) Books and textbooks.

MARTIN

Summer Wildflowers of New Mexico. The University of New Mexico Press, Albuquerque. 318 pp. (and C.R. Hutchins, illustrations by R. Ivey).

(2) Edited volumes.

RIEDELSEL

From Sun Dagger to Space Exploration. The University of New Mexico Press, Albuquerque. 434 pp. (with D. Hsi).

TAYLOR

Evolution of Insect Life Cycles. Springer-Verlag, New York. 267 pp. (with R. Karban).

(3) Chapters/major review articles.

ALTENBACH

Bat flight muscle function and the acapulo-humeral lock. In: Recent Advances in the Study of Bats (M.B. Fenton, P.A. Racey and J.M.V. Rayner, eds.). pp. 100-118. Cambridge University Press. (and J.W. Hermanson).

CRAWFORD

Dynamics of desert resources and ecosystem processes. In: Ecosystem Theory and Application (N. Polunin, ed.). pp. 63-88. John Wiley & Sons Ltd., New York. (and J.R. Gosz).

The role of invertebrates in desert ecosystems. In: Pattern and Process in Desert Ecosystems (W.G. Whitford, ed.). pp. 73-89. University of New Mexico Press, Albuquerque.

DUSZYNSKI

Host specificity in the coccidia of small mammals: Fact or fiction? In: Advances In Protozoological Research (M. Berczky, ed.). pp. 325-337. Symposia Biologica Hungarica, Vol. 33. Akademiai Kiado, Budapest.

GOSZ

Dynamics of desert resources and ecosystem processes. In: Ecosystem Theory and Application (N. Polunin, ed.). pp. 63-88. John Wiley and Sons. (with C. Crawford).

LOKER

Immunity to trematode larvae in the snail Biomphalaria. London Zoological Society Symposium 56: 199-220. (and C.J. Bayne).

NATVIG

Isolation of Fungal DNA. In: Zoosporic Fungi in Teaching and Research (M.S. Fuller and A. Jaworsky, eds.). pp. 252-258. (Southeastern Publishing Co., Athens, GA. (with J.S. Taylor).

Aqualinderellas fermentans. In: Zoosporic Fungi in Teaching and Research (M.S. Fuller and A. Jaworsky, eds.). pp. 78-79. Southeastern Publishing Co., Athens, GA.

Oxygen-electrode measurement of respiratory-chain and enzymatic activities. In: Zoosporic Fungi in Teaching and Research (M.S. Fuller and A. Jaworsky, eds.) pp. 244-247. Southeastern Publishing Co., Athens, GA.

RIEDELSE

Respiratory patterns in hibernating Spermophilus lateralis. In: Living in the Cold (H.C. Heller, X.J. Musacchia and L.C. H. Wang, eds.). pp. 461-468. Elsevier, New York (and J.E. Griego, D.C. Espinosa).

TAYLOR

Geographic patterns in the photoperiodic induction of hibernal diapause. In: Evolution of Insect Life Cycles (F. Taylor and R. Karban, eds.). pp. 66-85. Springer-Verlag, New York (with J. Spalding).

Toward a theory for the evolution of the timing of hibernial diapause. In: Evolution of Insect Life Cycles (F. Taylor and R. Karban, eds.). pp. 236-237. Springer-Verlag, New York.

THORNHILL

Relative parental contribution of the sexes to their offspring and the operation of sexual selection. In: Evolution of Animal Behavior (M. Nitecki and J. Kitchell, eds.). pp. 113-136. Oxford Univ. Press, Oxford.

The evolution of sex differences in insects. Amer. Scientist 74: 382-389 (and D.T. Gwynne).

The biology of rape. In: Rape (S. Tomaseli and R. Porter, eds.) pp. Basil Blackwell, Oxford. (with N.W. Thornhill and G. Dizigno).

(4) Scholarly Articles

BACA

A proposed model to explain persistent infection of host cells with Coxiella burnetii. J. Gen. Microbiol. 132: 1415-1422 (with M. Roman and P. Coriz).

BARTON

Phenotypic changes in mycobacteria grown in oxygen-limited conditions. J. Med. Microbiol. 21: 251-255 (with J. Gillespie and E.W. Rypka).

The effect of Azospirillum brasilense on iron absorption and translocation by sorghum. J. Plant Nutrition 9: 557-565 (and G.V. Johnson, S. Orbock Miller).

The role of endomycorrhizal fungi in iron uptake by Hilaria jamesii. J. Plant Nutrition 9: 547-556 (with W.A. Cress and G.V. Johnson).

CHIOVETTI

A new technique for low-temperature embedding: Quick-freezing, freeze-drying and direct infiltration in howicryl K4M. The Science of Biological Specimen Preparation for Microscopy and Microanalysis (M. Mueller, R.P. Becker, A. Boyde and J.J. Wolosewick, eds.). pp. 155-164. SEM, Inc. (and S.A. Little, J. Brass-Dale and L.J. McGuffee).

CRAWFORD

Seasonal water balance in Archispirostreptus syriacus (Diploda: Spirostreptidae) from mesic and xeric Mediterranean environments. J. Arid Environments 10: 127-136 (with S. Goldenberg and M.R. Warburg).

DUSZYNSKI

Eimeria halleri sp. n. (Apicomplexa: Eimeriidae) from the round stingray, Urolophus halleri (Rajiformes: Dasyatidae). Proc. Helm. Soc. Wash. 53: 110-112 (with S.J. Upton, J.R. Bristol, S.L. Gardner).

Coccidiosis of sandhill cranes (Grus canadensis) wintering in New Mexico. J. Wildl. Diseases 22: 25-35 (with B.B. Parker).

Coccidian parasites (Apicomplexa: Eimeriidae) from insectivores. II. Six new species from Japanese shrew moles (Talpidae). *J. Protozool.* 33: 276-281 (and D.W. Moore).

Coccidia (Apicomplexa: Eimeriidae) from sciurid rodents (Eutamias, Sciurus, Tamiasciurus spp.) from the Western United States and Northern Mexico with descriptions of two new species. *J. Protozool.* 33: 282-288 (with T.P. Hill).

Polymorphism of eimerian oocysts: A dilemma posed by working with some naturally-infected hosts. *J. Parasit.* 72: 602-604 (with B.B. Parker).

GOSZ

Effects of plants on net mineralization of nitrogen in forest soil microcosms. *Biology and Fertility of Soils* 2: 43-50 (with F. Fisher).

Effects of trenching on soil processes in a New Mexico mixed-conifer forest. *Biology and Fertility of Soils* 2: 35-42 (with F. Fisher).

Biogeochemistry research needs: Observations from the Ecosystem Studies Program of the National Science Foundation. *Biogeochemistry* 2: 101-112.

Seasonal and annual variation in nitrogen mineralization and nitrification along an elevational gradient in New Mexico. *Biogeochemistry* 2: 281-297 (with C.S. White).

Sulfur processing in forest soil and litter along an elevational and vegetational gradient. *Can. J. For. Res.* 16: 689-695 (with M. Watwood and J. Fitzgerald).

JOHNSON, G.

Characterization of iron uptake by iron-efficient and iron-inefficient soybeans in cell suspension culture. *J. Plant Nutrition* 9: 729-750 (with S.L. Sain).

The role of endomycorrhizal fungi in iron uptake by Hilaria jemesii. *J. Plant Nutrition* 9: 547-556 (with W.A. Cress and L.L. Barton).

The effect of Azospirillum brasilense on iron absorption and translocation by sorghum. *J. Plant Nutrition* 9: 557-565 (with L.L. Barton and S.O. Miller).

KOGOMA

Concatemer Formation of ColE1-type plasmids in mutants of Escherichia coli lacking RNase H activity. *J. Mol. Biol.* 189: 389-399 (with N.L. Subia).

PNase H is not involved in Me induction of stable DNA replication in Escherichia coli. *J. Bacteriol.* 165: 321-323 (with H. Bialy).

Mini-review: RNase H defective mutants of Escherichia edi. *J. Bacteriol.* 166: 361-363.

Plasmid F maintainance requires the Escherichia coli dnaA gene product. *J. Bacteriol.* 168: 440-443 (with B.C. Kline, J.E. Tam and M.S. Shields).

LIGÓN, J.D.

Brood reduction in the Chihuahuan Raven: an experimental study. *Ecology* 67: 1194-1205 (with J. Haydock).

Seasonality of mobbing intensity in the Pinyon Jay. *Ethology* 71: 333-339 (with J.F. Cully, Jr.).

LOKER

Interactions between the plasma proteins of Biomphalaria glabrata (Gastropoda) and the sporocyst tegument of Schistosoma mansoni. *Parasit.* 92: 653-664 (with C.J. Bayne and M.A. Yui).

Echinostoma paraensei: Biomphalaria glabrata hemocytes are targets of echinostome-mediated interference with host snail resistance to Schistosoma mansoni. *Exp. Parasit.* 62: 149-154 (with C.J. Bayne and M.A. Yui).

MARSHALL

Plasticity of yield components in response to stress in Sesbania macrocarpa and Sesbania vesicaria. *Am. Nat.* 127: 508-521 (with D.A. Levin and N.L. Fowler).

The effect of seed size on seedling success in three species of Sesbania. *Am. J. Bot.* 73: 457-464.

Sexual selection in Raphanus sativus: experimental data on non-random fertilization, maternal choice and consequences of multiple paternity. *Am. Nat.* 127: 446-461 (and N.C. Ellstrand).

Patterns of multiple paternity in populations of Raphanus sativus. *Evolution* 40: 837-842 (with N.C. Ellstrand).

MILNE

Peninsulas in Maine: woody plant diversity, distance, and environmental patterns. *Ecology* 67: 967-974 (and R.T.T. Forman).

RICE

On the instability of polygenic sex determination: The effect of sex-specific selection. *Evolution* 40: 633-639.

SNELL

Endogenous control of seasonal change in egg, hatchling, and clutch size of the lizard Sceloporus undulatus garmani. *Herpetologica* 42: 185-191 (with G.W. Ferguson).

TAYLOR

The fitness functions associated with diapause induction in arthropods I. The effects of age structure. *Theor. Pop. Biol.* 30: 76-92.

The fitness functions associated with diapause induction in arthropods. II. The effects of fecundity and survivorship on the optimum. *Theor. Pop. Biol.* 30: 93-110.

THORNHILL

Female reproductive variation in a nuptial-feeding spider, Pisaura mirabilis. Bull. Br. Arachnol. Soc. 7: 48-52 (with S.N. Austad).

VOGEL

Proteoglycan synthesis by fibroblast cultures initiated from regions of adult bovine tendon subjected to different mechanical forces. Eur. J. Cell Biol. 41: 102-112 (with E.J. Keller, R.J. Lenhoff, K. Campbell and T.J. Koob).

Comparisons of antibody reactivity and enzyme sensitivity between small proteoglycans from bovine tendon, bone and cartilage. J. Biol. Chem. 261: 11334-11340 (and L.W. Fisher).

Variability in proteoglycan synthesis among six strains of normal human adult skin fibroblasts. Conn. Tiss. Res. 15: 187-194 (and K. Campbell).

(5) Abstracts, notes, book reviews, agency technical reports.

ALTENBACH

Exhibit. New Mexico Museum of Natural History on bats including high-speed cine and still color photographs and data on guano stratification and its use in determining levels of environmental pollutants.

Exhibit of photographs at New Mexico Museum of Natural History entitled "Synergism: Art and the Museum," Feb.-June 1986.

BACA

Flow cytometric measurements of total DNA, RNA and protein content of L929 cells persistently infected with Coxiella burnetii. #B-197. Abstracts of the Annual Meeting of the American Society for Microbiology (and H. Crissman).

A proposed model to explain persistent infection of host cells with Coxiella burnetii. #B-196. Abstracts of the Annual Meeting of the American Society for Microbiology (with M. Roman and P. Coriz).

BARTON

Characterization of Azospirillum brasilense by fluorescence activated cell cytometry. #K-17. Presented at Annual Meeting of the American Society for Microbiology (with J.Y. Shagam and W. Reed).

Characterization of Protoporphyrinogen Oxidase purified from Desulfovibrio gigas #K-86. Presented at Annual Meeting for the American Society for Microbiology (with D.J. Klemm).

High affinity transport of ferrous iron by Escherichia coli. #K-136. Presented at Annual Meeting of American Society for Microbiology (with B. Saiz and M. Vigil).

CRAWFORD

Nutrition and habitat selection in desert detritivores. IV. International Congress of Ecology (Abstract).

DAHM

The role of beaver on nutrient cycling streams. Annual Meeting of the Southwestern and Rocky Mtn. Division of AAAS, p. 32 (and J.R. Sedell).

Geomorphological control on zones of detrital accumulation and nutrient release to streams. Annual Meeting of the North American Benthological Society, p. 115 (and J.R. Sedell).

Role of anaerobic processing in stream ecosystem productivity. Annual Rocky Mountain Meeting of American Chemical Society, p. A-16 (and J.R. Sedell).

Characterization of algal and bacterial communities in high temperature environments near the crater on Mount. St. Helens. Annual Meeting of American Society of Limnology and Oceanography, p. 140 (with A.K. Ward, J.A. Baross and M.D. Lilley).

Book Review: Christman, R.F. and Gjessing, E.T. 1986. Aquatic and Terrestrial Humic Materials. Ann Arbor Science. Reviewed in Journal of the North American Benthological Society 5: 163.

DUSZYNSKI

The natural history of oocysts and the biology of the Coccidia: Can knowledge from an art form provide useful information? Twenty-second Annual Coccidiosis Conference.

Turbellarians from North American sea urchins with the reinstatement of the genus Syndisyrix. 19th Annual Meeting of the Southwestern Association of Parasitologists (SWAP) (with L.A. Hertel)

Coccidian parasites (Apicomplexa: Eimeriidae) recovered from Heteromyid rodents in the southwestern United States, Northern Mexico and Baja California. 19th Annual Meeting of SWAP. (with T.P. Hill and T.L. Best)

Comparison of mobilities of allozymes of Eimeria arizonensis from two species of Peromyscus. 19th Annual Meeting of SWAP (with C.D. Wash and T.L. Yates).

FINDLEY

Does morphology predict coexistence levels of rodents in the Chaco Basin, New Mexico? Annual Meeting of the Guild of Rocky Mountain Population Biologists (with Jack F. Cully).

The Corrales Bosque Preserve. Published by the Village of Corrales, Bosque Advisory Commission. 9 pp., 7 figs.

JOHNSON, G.

Photorespiration and alpine members of Heuchera parvifolia (Saxifragaceae) from the southern Rocky Mountains. Colorado-Wyoming Academy of Sci. 18: 35 (with B.R. Bland).

KOGOMA

Analysis of ColeE1-type plasmid conformation in E. coli rnh mutants. J. Cell Biochem. Suppl. 10B: 174 (with W. Fuge).

Genetic analysis of alternative DNA replication pathways in E. coli rnh mutants. J. Cell Biochem. Suppl. 10B: 177 (with T.A. Torrey).

Effects of mutations in DNA initiation and recombination genes on induced stable DNA replication in E. coli. J. Cell Biochem. Suppl. 10B: 180 (with T. Magee).

NATVIG

Nuclear and mitochondrial genomes among strains of Neurospora may have different evolutionary histories. Fungal Gen. Newsl. 33: 17 (with D. Jackson).

Induced responses to oxidative stress in Neurospora crassa. Fungal Gen. Newsl. 33: 15 (with P. Chary).

SNELL

Thermoregulatory behavior of Galapagos geckos: nothing beats a hot rock on a moonlit night. Annual Meeting of American Society of Ichthyologists and Herpetologists (with H.L. Snell and C.R. Tracy).

Variation in juvenile growth rates among populations of giant tortoises in the Galapagos Islands: genetics, environment or interaction? Annual Meeting of Guild of Rocky Mountain Population Biologists (with A. Asquith).

Population structure and juvenile age estimates in the Galapagos giant tortoise. Annual Meeting of Guild of Rocky Mountain Biologists (with A. Asquith).

TAYLOR

Book Review: Tauber, M.J., Tauber, C.A. and Masake, S. Seasonal adaptations of insects. Oxford University Press. Reviewed in Science 232.

THORNHILL

The relative importance of intra- and interspecific competition in scorpionfly social systems. Abstract. Animal Behavior Society.

The relative importance of intra- and interspecific competition in scorpionfly social systems. Abstract. International Meeting of Behavioral Ecology.

VOGEL

Site-related variations in proteoglycan composition of the bovine flexor tendon. Onthrop. Research Society Meeting (with T.J. Koob and M.J. Gutierrez).

WISDOM

Measurable errors in quantitative tannin estimation and their protein binding efficiencies. Gordon Conference (with A. Gonzalez-Coloma and P. Rundel).

Ecological tannin assays: Evaluation of proanthocyanidins, protein binding assays and protein precipitating potential. Annual Meeting of International Society of Chemical Ecology (with A. Gonzalez-Coloma and P. Rundel).

Ozone impact on the antioxidant Nordihydroguaiaretic acid, NDGA, in Larrea tridentata resin. Annual Meeting of International Society of Chemical Ecology (with A. Gonzalez-Coloma and P. Rundel).

Comparisons of insect use and chemical defense patterns of two Sonoran Desert shrubs. Southern California Academy of Sciences.

(6) Grant proposals submitted.

BACA

Properties and treatment of cells persistently infected with Coxiella burnetii. To: NIH-MBRS. 1988-1992. \$78,500. (Pending).

Studies on Coxiella burnetii. To: NIH-MARC. 1987-1991. Variable. (Pending).

Effect of Ciprofloxacin on Coxiella burnetii. To: Miles Laboratories. (Pending).

BARTON

Ecophysiology of Vesicular-arbuscular mycorrhizae. To: NSF. 3 years. \$299,935. (Not awarded).

Identification of inoculant strains of rhizobium for chick pea and pigeonpea. To: AID/USDA/CSRS. 2 years. \$145,590.

CHIOVETTI

Grant-in-aid for publication costs of "Microexploring the world around us." 1 year. \$2000. To: The Korber Foundation, The McCutchen Foundation, The Sproul Foundation, Digital Equipment Corporation, Levi Strauss Foundation, Public Service Co. of New Mexico, The General Electric Foundation, Pew Charitable Trusts, The Amoco Foundation, The Hearst Foundation, The Prudential Foundation, The Atlantic Richfield Foundation, The Richmond Foundation, The Hasselblad Foundation, The Mellon Foundation, The Beneficial Foundation, The Joyce Foundation, The Kleberg Foundation, The American Honda Foundation, The Commonwealth Fund, The Metropolitan Life Foundation, Signal Companies Charitable Fund, The Alcoa Foundation, Toyota Motor Sales Contributions Program.

CRAWFORD

The effects of landscape heterogeneity and spatial scale on vector dynamics and material redistribution in semi-arid ecosystems. To: NSF. 3 years. \$380,856 (with J.A. Wiens and B.T. Milne). (Pending).

DAHM

The role of microbes on the chemistry of geothermal fluids. To: Sandia National Laboratories. 1 year. \$30,000. (2nd year funded).

Anaerobic zones in streams: effects on nutrient cycling, aquatic primary production, riparian growth, and plant compensation to herbivory. To: NSF. 3 years. \$345,116. (Funded).

Long-path FTIR analysis of varying ecosystem processes over varying landscapes and spatial scales. To: NSF. 3 years. \$578,784. (with J.R. Gosz and P. Risser). (Funded).

DUSZYNSKI

Host genetic factors affecting specificity of the Coccidia of small mammals.
To: NIH-MBRS. 4 years. \$67,390. (with T.L. Yates).

GOSZ

Long-path FTIR analysis of varying ecosystem processes. To: NSF. June 86.
\$578,784. Awarded. (with C. Dahm). 3 years.

Manipulation of N and water availability, below ground production and ecosystem processes. To: NSF. Dec. 86. \$626,357. (pending).

JOHNSON, G.

Ecophysiology of vesicular-arbuscular mycorrhizae. To: NSF. 3 years.
\$288,935. (with L.L. Barton and W.A. Cress). (Not awarded).

KERKOF

Action of TSH on thyroid gland cells in culture. To: NIH-MBRS. 1988-1991.

Minority access to research centers. To: National Institute of General Medical Sciences. Variable. (Pending).

Purification of Thyroid Peroxidase by affinity chromatography with monoclonal antibodies. To: Research Allocations, UNM. 5/3/86 - 6/15-87. \$2,484. (Funded).

KOGOMA

Cellular response to oxidative damage in bacteria. To: NIH. 3 years.
\$213,409. (with D. Natvig).

Cellular response to oxidative damage in bacteria. To: NSF. 3 years.
\$306,142. (with D. Natvig).

LOKER

Trematode induced immunosuppression in snails. To: NIH. 3 years. \$151,890.
(\$133,685 funded).

Trematode induced immunosuppression in snails. To: NSF. 3 years. \$198,602.
(Withdrawn).

MARSHALL

Maternal regulation of mating in wild radish, Raphanus satuiuxo. To: NSF.
\$124,000.

MILNE

Hierarchical structure and fractal geometry of landscapes in the southwestern United States. To: NSF. 3 years. \$149,863. (Awarded).

The effects of landscape heterogeneity and spatial scale on vector dynamics and material redistribution in semiarid ecosystems. To: NSF. 3 years. \$380,856. (with J.A. Wiens and C.S. Crawford). (Pending).

NATVIG

Biochemical and genetic characterization of proteins induced in response to oxidative stress in Neurospora crassa. To: Research Allocations, UNM. 4 months. \$1,250. (Awarded).

Isolation of recombinant plasmids carrying the gene for Cu/Zn superoxide dismutase from Neurospora crassa. To: Biomedical Research Support Group, UNM. 1 year. \$3,000. (Awarded).

Cellular responses to oxidative damage in bacteria. To: NSF. 3 years. \$306,142. (with T. Kogomo).

Cellular responses to oxidative damage in bacteria. To: NIH. 3 years. \$213,409. (with T. Kogomo).

RICE

Parent-offspring pathogen transmission as a selection agent promoting sexual reproduction. To: NSF. 2 years. \$118,000.

RIEDEL

Preventing dehydration. To: Naval Medical Research and Development Command. (Pending).

Exercise cost after hyperhydration with glycerol solution. To: American Heart Association. (Pending).

SNELL

Travel Grant. To: Southern Regional Education Board. 3 months. \$750. (Funded).

Ecology as a Science: a proposed series of public lectures. To: GTE Foundation. 4 months. \$2,680. (Not funded).

Potential effects of nest site selection in reptiles. To: Memphis State University Faculty Research Grant Program. 6 months. \$3,000. (Funded).

Ecology and conservation of endangered Galapagos reptiles. To: Council for International Exchange of Scholars. 3 years. \$27,000. (Pending).

Airports and iguanas in the Galapagos Islands: establishment of a balanced coexistence. To: Charles A. Lindbergh Fund, Inc. 1 year. \$10,500. (Pending).

Consequences of environmental influences during embryonic development in reptiles: the potential for lasting effects on post neonates and for maternal responses. To: Biomedical Research Support Committee, UNM. 1 year. \$5,105. (Pending).

The recovery of an iguana population from a natural disaster: implications for conservation in the Galapagos Islands. To: Latin American Institute, UNM. 2 months. \$3,000. (Partial funding).

TOOLSON

Effects of filarial infection on cuticle permeability in Aedes aegypti. To: BRSG. 1 year. \$3,530. (Funded).

TRUJILLO

Physiological Chemistry of human Phosphofructokinase. To: Institute of General Medical Science. 3 years. \$293,000.

VOGEL

MBRS Renewal Application. To: NIH-MBRS. 4 years. \$12,000.

WISDOM

Limitations on turgor maintainance and osmotic regulation in woody desert perennials. To: NSF. 7/86 - 7/89. \$231,246. (Not funded).

Osmotic adjustment in arid land plants: strategies of plants with different leaf life spans. To: Research Allocations, UNM. 10/87 - 7/87. \$2,500. (Funded).

Collaborative research: genetic basis for differences in plant vulnerability to insects. To: NSF. 7/87 - 7/90. \$61,299. (Pending).

Collaborative research: the role of monomers in tannin activity in Plant/Herbivore/Microbe interactions. To: NSF. 6/87 - 6/90. \$297,000. (Pending).

Responses of a cruciferous plant to stress: changes in mustard oils and osmotic levels. To: Whitehall Foundation. 6/87 - 6/90. (Pending).

YATES

Premanagement laboratory analyses of New Mexico vertebrates. Share with Wildlife Program/New Mexico Dept. of Game & Fish. 1 year. \$20,000.

Survey of endangered fishes of the Rio Grande. To: NM Dept. of Game & Fish. 1 year. \$50,000.

Zoogeography and coevolution of Helminth parasites and their rodent hosts in Bolivia. To: NSF. 2 years. \$9,665. (with D.W. Duszynski).

Phylogenetic relationships and historical biogeography of Onychomys (Rodentia: Cricetidae) in western North America. To: NSF. 4 years. \$67,390. (with D.W. Duszynski).

(7) Grant proposals funded.

BACA

Phase variation in Coxiella burnetii. NIH-MBRS. \$20,875.

BARTON

Metabolism of Fe(11) in bacteria. NIH-MBRS. \$11,000.

DAHM

The role of microbes on the chemistry of geothermal fluids. Sandia National Laboratories. 10/86 - 10/87. \$30,000.

Nitrogen cycle interactions with chemolithotrophic and heterotrophic processes in Mt. St. Helens impacted lakes and hot water seeps. NSF. \$19,618.

Anaerobic zones in streams: effects on nutrient cycling, aquatic primary production, riparian plant growth, and plant compensation to herbivory. NSF. 3 years. \$300,000.

Long-path FTIR analysis of varying ecosystem processes over varying landscapes and spatial scales. NSF. 3 years. \$578,784. (with J. Gosz and P. Risser).

DUSZYNSKI

Publication costs for research projects completed under NMF&G contracts. NMF&G. 1 year. \$6,500.

Zoogeography and coevolution of helminth parasites and their rodent hosts in Bolivia. NSF. 2 years. \$9,800. Doctoral Dissertation Improvement Grant for S.L. Gardner (with T.L. Yates).

Host genetic factors affecting specificity of the *Coccidia* of small mammals. NIH-MBRS. 3rd year. \$27,938. (with T.L. Yates).

FINDLEY

Reorganization, updating and computerization of the Recent mammal collection, Museum of Southwestern Biology. NSF. 1985-86. \$93,000. (with T.L. Yates).

GOSZ

Long-path FTIR analysis of varying ecosystem processes. NSF. \$578,784. 3 years.

JOHNSON, G.

Soil analyses in locations where *Astragalus humillionus* occurs. New Mexico Natural Resources Department. 7/25/86 - 2/28/87. \$1,000.

KERKOF

Purification of thyroid peroxidase by affinity chromatography with monoclonal antibodies. Research Allocations, UNM. 5/3/86 - 6/15/87. \$2,484.

Action of TSH on thyroid gland cells in culture. NIH. 3rd year. \$12,000.

KOGOMA

DNA replication in *E. coli*: regulatory mutants. NIH. 3/85 - 2/90. \$155,350.

Application of genetic engineering to non-invasive diagnosis. New Mexico Department of Development & Tourism. \$45,000. (Co-PI).

Genetic and biochemical studies on stable DNA replication in *E. coli*. NIH. \$15,000.

Stable DNA replication mutants. NATO. \$6,000.

LIGON, J.D.

Sexual selection: a test of the ideas. NSF. \$74,998. (with R. Thornhill).

Cooperative raptor research and management. DOE and BLM. ca. \$64,000. (with J. Bednarz).

LOKER

Biological control of snail-borne parasites in Kenya. USAID. 3 years. \$115,355.

Trematode induced immunosuppression in snails. NIH. 3 years. \$133,685.

MARSHALL

Effects of time of stress on plasticity in reproduction in Sesbania. Research Allocations, UNM. \$1,250.

MILNE

Hierarchical structure and fractal geometry of landscapes in the Southwestern United States. NSF. 3 years. \$149,863.

MOLLES

Limiting factors of the Socorro Isopod. NMFG. 9/1/85 - 12/31/86. \$6,000.

NATVIG

Biochemical and genetic characterization of proteins induced in response to oxidative stress in Neurospora crassa. Research Allocations, UNM. 4 months. \$1,250.

Isolation of recombinant plasmids carrying the gene for Cu/Zn superoxide dismutase from Neurospora crassa. Biomedical Research Support Group, UNM. 1 year. \$3,000.

Phylogenetic analysis of Neurospora using cloned nuclear-DNA hybridization probes. NSF. \$40,000.

RICE

Speciation via habitat specialization. NSF. \$50,000.

RIEDEL

Overhydration with oral glycerol. Faculty Allocations, UNM. 4/86 - 6/15/87. \$1,224.

Overhydration with oral glycerol. Clinical Research, UNM. 5/9/86 - 9/86. \$10,000.

SNELL

Travel Grant. Southern Regional Education Board. 3 months. \$750.

Potential effects of nest-site selection in reptiles. Memphis State Faculty Research Grant. 6 months. \$3,000.

The recovery of an Iguana population from a natural disaster: implications for conservation in the Galapagos Islands. Latin American Institute, UNM. 2 months. \$1,500.

Charles Darwin Research Station. San Diego Zoological Society. \$20,000. (with G. Reck).

TAYLOR

Evolution of diapause induction in the Indian meal moth: experimental tests of a theory. NSF. \$55,000.

THORNHILL

Sexual selection: testing the idea. NSF. \$240,000. 3 years, began 2/1/86. (with D. Ligon, co-PI).

TOOLSON

Effects of filarial infection on cuticle permeability in Aedes aegypti. RAC, UNM. 1 year. \$3,530.

VOGEL

Fibroblast proteoglycans and connective tissue matrix. NIH. 2nd year. \$53,483.

Proteoglycan structure, metabolism and role in tendon. NIH. 2nd year. \$81,386.

WISDOM

Osmotic adjustment in arid land plants: Strategies of plants with different leaf life spans. Research Allocations, UNM. 10/86 - 7/87. \$2,500.

YATES

Premanagement laboratory analyses of New Mexico vertebrates. Share with Wildlife Program/New Mexico Dept. of Game & Fish. 1 year. \$20,000.

Survey of endangered fishes of the Rio Grande. New Mexico Dept. of Game & Fish. 1 year. \$50,000.

Zoogeography and coevolution of helminth parasites and their rodent hosts in Bolivia. NSF. 2 years. \$9,665. (with D.W. Duszynski).

(8) Papers/posters presented.

(a) Non-invited papers read or posters displayed.

BACA

Flow cytometric measurements of total DNA, RNA and protein content of L929 cells persistently infected with Coxiella burnetii. American Society for Microbiology. Annual Meeting, 23-28 March. Washington, D.C. (with H. Crissman).

A proposed model to explain persistent infection of host cells with Coxiella burnetii. American Society for Microbiology. Annual Meeting, 23-28 March. Washington, D.C. (with M. Roman and P. Coriz).

Antibiotic sensitivity testing of Coxiella burnetii. American Society for Rickettsiology. National Meeting, 11-14 Sept. Williamsburg, VA (with M. Yeaman, T. Mitscher).

BARTON

Characterization of Azorspirillum brasilense by fluorescence activated cell cytometry. American Society for Microbiology. Annual Meeting, 23-28 March. Washington, D.C. (with D. Klenem).

Characterization of protoporphyrinogen oxidase purified from Desulfovibrio gigas. American Society for Microbiology. Annual Meeting, 23-28 March. Washington, D.C. (with D. Klenem).

CRAWFORD

Tenebrionid detritivores: habitat selection and resource use in a Namib riparian woodland. Zoological Society of Southern Africa. July. Johannesburg, S.A. (with S.A. Hanrahan and M.K. Seely).

DAHM

The role of beaver on nutrient cycling in streams. Southwestern and Rocky Mountain Division of AAAS Meeting. 1-5 April. Boulder, CO (with J.R. Sedell).

Geomorphological control on zones of detrital accumulation and nutrient release to streams. North American Benthological Society Meeting. 20-23 May. Lawrence, KS (with J.R. Sedell).

DUSZYNSKI

Coccidian parasites (Apicomplexa: Eimeriidae) recovered from Heteromyid rodents in the Southwestern United States, Northern Mexico, and Baja, California. Southwestern Association of Parasitologists (SWAP). April. Lake Texoma, OK (with T.P. Hill and T.L. Best).

Turbellarians from North American sea urchins with the reinstatement of the genus Syndisyrix. SWAP. Lake Texoma, OK. April. (with L.A. Hertel).

Comparison of mobilities of allozymes of Eimeria arizonensis from two species of Peromyscus. SWAP. Lake Texoma, OK. April (with C.D. Wash).

Parasites of the extinct ground sloth in Arizona. Rocky Mtn. Conf. Parasitologists, Las Vegas, NV. May. (with G.D. Schmidt).

FINDLEY

Does morphology predict coexistence levels of rodents in the Chaco Basin, New Mexico? Guild of Rocky Mountain Population Biologists. 12th Annual Meeting. 26-28 Sept. Nederland, CO (with J.F. Cully, Jr.).

KOGOMA

Genetic analysis of alternative DNA replication pathways in E. coli rnh mutants. AMS Branch Meeting, Las Cruces, NM. (with T.A. Torrey).

Analysis of Cole1-type Plasmid conformation in E. coli rnh mutants. UCLA Symposia on Molecular and Cellular Biology. Park City, VT. (with W. Fuge).

Effects of mutations in DNA initiation and recombination genes on induced stable DNA replication in E. coli. UCLA Symposia on Molecular and Cellular Biology. Park City, UT. (with T. Magee).

Genetic studies of an L-broth sensitivity suppressor mutation, sls, in rnh mutants of E. coli. MBS. 14th Annual Meeting. New Orleans. (with T.L. McElveny).

Recombination between Cole1-type plasmids in rnh mutants occurs principally at the origin of replication. ASM Branch Meeting. Las Cruces, NM. (with W. Fuge).

LIGON, J.D.

Cooperation in the green woodhoopoes. New Mexico Ornithological Society. March. Albuquerque.

LOKER

Alterations in Biomphalaria glabrata hemolymph resulting from infection with the hematode Echinostoma paraensei. American Society of Parasitologists. 61st Annual Meeting. 7-11 December. Denver. (and L.A. Hertel).

Immunoblot analysis of antigens from Biomphalaria glabrata hemolymph and digestive gland and Schistosoma mansoni cercariae. American Society of Parasitologists. 61st Annual Meeting. 7-11 December. Denver. (with A.R. Wattam).

MARSHALL

Selection and abortion in wild radish. American Society of Naturalists. 27 May. Pacific Grove, CA. (with N.C. Ellstrand).

Optimal mate numbers for fruits and plants of wild radish. American Society of Naturalists. 27 May. Pacific Grove, CA. (with N.C. Ellstrand).

Selective seed abortion in wild radish. ESA. 13 Aug. Syracuse, NY. (with N.C. Ellstrand).

MILNE

Landscape structure related to temporal scales of landscape processes. International Association of Landscape Ecology. American Chapter, Second Annual Symposium. March. Athens, GA.

Time scale-dependent variation in landscape structure and fractal geometry. Ecological Society of America. 71st Annual Meeting. August. Syracuse, NY. (R.T.T. Forman).

MOLLES

Geographic variation in the structure of caddisfly cases: clues to the influences of competition and predation. Guild of Rocky Mountain Population Biologists. September. Boulder, CO.

Comparison of the effects of organic versus mineral pollution on the macroinvertebrate communities of two rivers in northern Portugal. 3rd European Congress of Entomology. August. Amsterdam, Neth. (with R. Cortes and T. de Koe).

Principal components analysis of temporal and spatial variation in trichopteran faunas of northern Portugal. 5th International Symposium on Trichoptera. July. Lyon, France. (with L.S.W. Tierra).

Analyses of trichopteran faunal similarities in northern Portugal. 5th International Symposium on Trichoptera. July. Lyon, France. (with L.S.W. Tierra).

NATVIG

Nuclear and mitochondrial genomes among strains of Neurospora may have different evolutionary histories. Fungal Genetics Conference. April. Columbia, S.C. (with D. Jackson).

Induced responses to oxidative stress in Neurospora crassa. Fungal Genetics Conference. April. Columbia, S.C. (with P. Chary).

RICE

A new probability model for analyzing 2x2 contingency tables when column marginals are unconstrained. The Animal Behavior Society Meetings, Tucson, AZ.

THORNHILL

The relative importance of intra- and interspecific competition in scorpionfly social systems. Animal Behavior Society Meeting, Tucson, AZ. June 1986.

TRUJILLO

Abstract: Federal Proceedings - Society of Experimental Biology. Cloning of pepck into an E. coli expression vector. American Society of Biological Chemistry. Washington, D.C. June 1986. (with L. Donaldson).

VOGEL

Site-related variations in proteoglycan composition of the bovine flexor tendon. Orthop. Res. Soc. Meetings. New Orleans, LA. February 1986. (with T.J. Koob and M.J. Gutierrez).

Comparisons of antibody reactivity and enzyme sensitivity between small proteoglycans from bovine tendon, bone, cartilage and skin. Western Connective Tissue Society. Los Angeles, CA. April. (with L.W. Fisher).

The morphology of collagen fibrils formed in vitro is altered by small proteoglycans. Amer. Soc. for Cell Biology. Washington, D.C. December. (with J.A. Trotter).

WISDOM

Measurable errors in quantitative tanning estimation and their protein binding efficiencies. 1986 Gordon Conference, poster. (with A. Gonzalez-Coloma and P. Rundel).

Ecological tannin assays: Evaluation of proanthocyanidins, protein binding assays and protein precipitating potential. Annual Meeting, International Society of Chemical Ecology. Paper. (with A. Gonzalez-Coloma and P. Rundel).

Ozone impact on the anti-oxidant Nordihydroguaiaretic acid (NDGA) in Larrea tridentata resin. Annual Meeting, International Society of Chemical Ecology. Poster. (with A. Gonzalez-Coloma and P. Rundel).

YATES

Variation among Bolivian Ctenomys. Abstr. Ann. Meeting, SWAN. Norman, OK.

Systematic and Biogeographic relationships among the species of Scapanus (Insectivora: Talpidae). Abstr. Ann Meeting, SWAN. Norman, OK. (with D.W. Moore).

Chromosomal and morphological variation in Bolivian Tuco-Tucos (Genus: Ctenomys). Amer. Soc. of Mammalogists, Abstr. National Meeting. Madison, Wisconsin. (with J.A. Cook and S. Anderson).

Genetic relationship of swift (Vulpes velox) and Kit (V. macrotis) foxes. Amer. Soc. of Mammalogists, Abstr. National Meeting. Madison, Wisconsin. (with J.W. Dragoo and J.R. Choate).

(b) Invited papers/symposium presentations.

BARTON

High affinity transport of ferrous ion by Escherichia coli. Amer. Soc. for Microbiology. Washington, D.C. 23-28 March. (with B. Saiz, M. Vigil).

CHIOVETTI

The preparation of biological samples for quantitative electron microscopy: Some problems and some solutions. New Mexico Microbeam Users Group Technical Meeting, Albuquerque, NM.

Biological Specimen Preparation for Microscopy and Microanalysis. The Optical Society, New Mexico Affiliate. Albuquerque, NM.

DAHM

Role of anaerobic processing in stream ecosystem productivity. Rocky Mountain Regional Meeting of American Chemical Society. Denver, CO. 8-12 June. (with J.R. Sedell).

DUSZYNSKI

The natural history of oocysts and the biology of the Coccidia: Can knowledge from an art form provide useful information? Twenty-second Annual Coccidiosis Conference, Denver, CO. 7-12 December.

KOGOMA

Initiation from Alternative Origins of DNA Replication. EMBO Workshop on Flow Cytometry in Bacteria. Oslo, Norway.

Initiation of Plasmid DNA replication. EMBO workshop on Flow Cytometry in Bacteria. Oslo, Norway.

Integrative Suppression. EMBO Workshop on Flow Cytometry in Bacteria. Oslo, Norway.

LIGON, S.

The ecology of social behavior. Symposium. Demographic and fitness consequences of a physiological constraint in a cooperatively breeding bird. (with J.D. Ligon)

The question of parent-offspring conflict in cooperatively breeding birds. XIX Int. Ornithol. Congress, Ottawa.

MARSHALL, D.

The Effect of Stress on Mate Choice in Wild Radish, keynote address. Guild of Rocky Mountain Population Biologists. September, 1986.

MILNE

Hierarchical landscape structure and the forest planning model: Discussent's comment on a paper by H.H. Shugart and B. Gilbert. In FORPLAN: An evaluation of a forest planning tool. U.S.D.A. Forest Service (in press).

Workshop on array and parallel processing in landscape ecology. "Measuring the fractal geometry of landscapes." September, 1986.

RICE

Speciation via habitat specialization. Symposium at the ASZ meeting, Knoxville, TN, and seminar at University of Oregon.

SNELL

Ecology of lizards of the Galapagos. Colloquium on Biology in the Mid-South. Memphis State University. March 1986.

THORNHILL

Evolution by selection: The transforming theory and method. Symposium on the transformation of entomology. Cornell University. May.

Individual reproductive competition and community structure. International Behavioral Ecology Conf. Albany, NY October.

VOGEL

Structure of small proteoglycans of tendon, cartilage and bone. Gordon Research Conf. on Proteoglycans. Andover, NH. July.

Structure and biochemical composition of regions of tendon subjected to differing mechanical forces. Gordon Research Conf. on Bioengineering and Orthopaedics.

WISDOM

Comparisons of insect use and chemical defense patterns of two Sonoran Desert shrubs. Desert Ecology Symposium, Southern California Academy of Sciences.

(9) Journal editor.

VOGEL

European Journal of Cell Biology, co-editor.

YATES

Museum of Southwestern Biology Publications, managing editor.

(10) Editorial board member.

CRAWFORD

Journal of Arid Environments

Scientific Review of Arid Zone Research

Recent Advances in Comparative Arthropod Morphology, Physiology, and Development

DUSZYNSKI

Journal of Protozoology

GOSZ

Biogeochemistry

TRUJILLO

Journal of Laboratory Clinical Chemistry

(11) Officer/board member, major professional society/granting agency.

BACA

Secretary-Treasurer of American Society for Rickettsiology & Rickettsial Diseases.

Treasurer of Society for the Advancement of Chicanos and Native Americans in Science.

Panel member of the National Research Council's Physical & Life Sciences, Mathematics and Engineering Panel for Postdoctoral Fellowships for Minorities Program (1985, 1986, 1987).

BARTON

President of New Mexico Branch of American Society for Microbiology.

DAHM

Review panel member for Ecosystem Studies of the National Science Foundation.

DUSZYNSKI

Regional representative to ASP Council, Southwestern Association of Parasitologists.

FINDLEY

Board of Directors, American Society of Mammalogists

JOHNSON, G.

Chairman, Environmental Sciences Section, Southwestern and Rocky Mountain Division, Amer. Assoc. Adv. Sci.

KOGOMA

NIH Microbial Physiology and Genetics Study Section (molecular genetics).

LIGON

Board of Directors, Cooper Ornithological Society.

VOGEL

NIH, Cell Biology and Physiology (II) Study Section-member.

YATES

Recording Secretary, American Society of Mammalogists
Special Study Section, National Institutes of Health.

(12) Service

ALTENBACH

Seminar presented to Dept. of Biology, Central Missouri State University, Warrensburg, MO. 29 September.

Seminar presented to second annual Endangered Species Fair at New Mexico Museum of Natural History. 6 September.

Presentation of program entitled "The bats of the Journado del Muerto" to Nature Conservancy board of directors and major contributors. 20 August.

Reviewed 2 manuscripts for the Journal of Mammalogy.

BACA

Seminar presented at UNM Medical School, Department of Physiology & Pharmacology. 6 May.

Expert witness regarding law suit involving bacteria (& humans).

Site visit to University of Texas (Austin).

Member of New Mexico State University's Recombinant DNA Review Committee.

Reviewed 4 manuscripts for Infection & Immunity and Tropical Medicine & Hygiene.

Reviewed 66 proposals for NSF and the Ford Foundation, National Council Postdoctoral Program.

BARTON

Co-organizer of the 4th International Symposium for Iron Nutrition & Interactions in Plants, Albuquerque, NM.

Program Committee for NM branch of ASM.

Consultant for CE Engineering Inc., Martinex, CA.

Consultant for Times Mirror/Mosby Publishing Co., St. Louis, MO.

Science Fair judge @ Bernalillo Public School District Sci. Fair, Northern N.M. Network for Rural Education Sci. Fair, and Northwestern Regional Sci. Fair.

CHIOVETTI

Local arrangements Committee, Microbeam Analysis Society and Electron Microscopy Society of America, Joint meetings, Albuquerque, New Mexico.

Workshop on low temperature embedding, Departments of Pathology, Cell Biology, Anatomy and Pharmacology, UNM School of Medicine, October 1986.

Special judge for Rocky Mountain Sciences, Regional Science Fair.

Consulting in EM for: Lovelace Medical Research Foundation, Lovelace Inhalation Toxicology Research Institute, State Health Laboratories, Office of the Medical Investigator, Rocky Mountain Sciences, Uniformed Services University of Health Sciences, Cell Research Institute, University of Texas at Austin, Dept. of Biochemistry, UNM School of Medicine, Dept. of Pathology, UNM School of Medicine, Dept. of Pharmacology, UNM School of Medicine.

CRAWFORD

Presentations for Ecology Week at Los Padillas Elementary School, 22-24 April.

Routine communications with all kinds of people about insects and other arthropods in this region.

Seminar: Assemblages of surface-active arthropods in the Namib desert. 30 April.

Seminar: Habitat selection and food choice in Namib desert. 6 May.

Testified at Hearing for BLM Wilderness Study. 22 Oct.

Led Nature Conservancy field trip to Sevilleta National Wildlife Refuge. 6 Sept.

Member: BLM Volunteer Wilderness Study Area patrol.

Member: Friends of Albuquerque Petroglyphs.

Reviewed 3 manuscripts for the Ecological Society of America, American Midland Naturalist, and South African Journal of Zoology.

Reviewed 2 proposals for NSF.

DAHM

Vice-chair. of the Environmental Sciences section. Southwestern and Rocky Mtn. Division of AAAS.

Member of the Water Quality Committee. American Geophysical Union, Hydrology Section.

Seminar, Savannah River Ecology Laboratory, Aiken, SC, January 6, 1986. Extreme thermophiles found in volcanic environments.

Seminar, Savannah River Ecology Laboratory, Aiken, SC, January 7, 1986. Dissolved organic carbon in stream ecosystems.

Seminar, New Mexico State University, Las Cruces, NM, February 20, 1986. Extreme thermophiles in volcanic environments.

Seminar, Mt. St. Helens National Volcanic Monument Headquarters, Castle Rock, WA, November 5, 1986. Lakes in the blast zone of Mt. St. Helens.

Seminar, University of Washington, Seattle, WA, November 7, 1986. Spirit Lake pH (post-Harry): chemistry and microbiology.

Seminar, Kansas State University, Manhattan, KS, November 13, 1986. Beaver, a keystone species in stream ecosystems.

Seminar, Kansas State University, Manhattan, KS, November 14, 1986. Extreme thermophiles in volcanic environments.

Co-chair for special symposium on "Chemical Quality of Water and the Hydrologic Cycle" for 8th Annual ACS Rocky Mountain Regional Meeting in Denver, CO, June 10, 1986.

Reviewed 15 proposals for NSF.

DUSZYNSKI

Member, Student Awards Committee, American Society of Parasitologists Archivist.

Member Study Team to review all graduate programs in medical sciences, UNM School of Medicine. 2-4 April.

Reviewed 8 manuscripts for the Journal of Parasitology, Boston University, and Systematic Zoology.

Reviewed a proposal for NSF.

FINDLEY

American Society of Mammalogists: Honorary Membership Committee, C. Hart Merriam Award Committee, and Program Committee.

Seminar: The Rio Grande Bosque: a unique habitat. NMMNH. 6 November.

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GOSZ

Consultant, Office of Technology Assessment, U.S. Congress.

Reviewed 8 manuscripts for Biogeochemistry, Forest Science and Ecology.

Reviewed hundreds of proposals for NSF.

JOHNSON, G.

Co-organizer (with Barton) of 4th Intl. Symposium on Iron Nutrition & Interactions in Plants.

Committee on Desert and Arid Zone Research (chairman).

Member, steering committee of Intl. Interdisciplinary Symposia.

Judge, State Science Fair; Chairman, Jr. Botany Division. 11 April.

Judge, Taylor Middle School Science Fair. 27 February.

JOHNSON, W.

Reviewed (second review) of Farnsworth's Genetics, Second Edition, for Harper & Row.

KERKOF

Seminar: The Effect of TSH on Thyroid Cells in Culture. 14 February.

Seminar: Sterile Techniques in Cell Culture. 1 July.

Seminar: Oncogenes in Normal and Tumor Tissues. 25 September.

Consulting and collaboration on research at the Inhalation Toxicology Research Institute.

KOGOMA

Seminar: UNM School of Medicine, September

Reviewed 5 manuscripts for Journal of Bacteriology and Genetics.

Reviewed 155 proposals for National Institute of Health (15 as primary reviewer and 140 as study section member)

LIGON

Seminar: Rutgers University.

Seminar: Princeton University.

Chairman of special American Ornithologists' Union Committee.

Member of National Audubon Advisory Panel.

Reviewed 8 manuscripts for American Naturalist, Auk, Wilson Bulletin, Condor, Ecology and Southwestern Naturalist.

Reviewed 6 proposals for NSF.

LOKER

Seminar, Department of Biological Sciences, University of Texas at El Paso, El Paso, TX. 6 March 1986. Immunobiology of trematode-gastropod associations.

Reviewed 1 manuscripts for Journal of Parasitology.

Reviewed 1 proposal for NSF.

MARSHALL

Seminar, University of California, Irvine, February.

Seminar, University of California, Riverside, March.

Seminar, Colorado State University, September.

Seminar, University of Colorado, November.

Reviewed 7 manuscripts for Ecology, American Naturalist and American Journal of Botany.

Reviewed 4 proposals for NSF.

MARTIN

Seminar on native plants to Baker Morrow's class from Architecture and Planning Department. 8 April

Seminar on the Flora of New Mexico to the State of New Mexico Associated Garden Club Short Course at the United World College at Las Vegas, New Mexico. 2-3 September.

Non-paid consultant to Poison Control Center and various physicians.

Consultant to various governmental agencies.

Plant identifications for the general public.

Three different seminars to Albuquerque Garden Center Master Gardener's Program. Plant diseases - origin, causal organisms, control. February 4, February 18, March 25.

Several off-campus talks dealing with the New Mexico Flora or Poisonous Plants to various groups, such as LaVita Llena Retirement Center, Native Plant Society, church groups, etc.

Participation in Graduate Student Seminar.

Wrote the foreward for "Landscaping with Southwestern Native Plants" by Judith Phillips. Museum of New Mexico Press.

Participation in the National Ethnobotanical Conference held this last spring under the sponsorship of the Biology Department, the Ethnobotanical Laboratories, and the Herbarium and Museum of Botany.

MILNE

Judge for the Murray F. Buell award, 1986 Annual Meeting of the Ecological Society of America.

Seminar, Ohio State University, May 1986, "Landscape composition, fractal geometry, and hierarchical structure."

Seminar, UNM, February 1986, "Variation in Community Structure as a Consequence of the Euclidean and Fractal Geometry of Nature." (job interview)

Seminar, The Mary Flagler Cary Arboretum, January 1986. "Time Scale Dependent Variation in Landscape Structure and Fractal Geometry."

Reviewed 8 manuscripts for Biological Science, Sym. Vol. for Int. Assoc. Landscape Ecology and Colleagues.

Reviewed 1 proposal for Hudson River Foundation.

MOLES

Seminar, Dept. of Zoology, Colorado State University. November. Economics of prey selection and prey defense: predaceous stoneflies and case building caddisflies.

Technical advisor to Estacao Aquicola, Vila do Conde, Universidade do Algarve, Universidade do Minho, and Universidade de Tras-os-Montes e Alto Douro, Portugal.

Continued consulting with City of Albuquerque and State of NM on development of a bosque studies program.

Reviewed 1 manuscript for Journal of North American Benthological Society.

Reviewed 2 proposals for NSF.

RIEDEL

Sigma Xi, UNM Chapter, Member, Centennial Committee and Member, Executive Committee.

Judge, Regional Science Fair.

Attendee, New Mexico Symposium on Resources in Math & Science Education.

Reviewed 2 manuscripts for Journal of Mammalogy and Physiological Zoology.

Reviewed 2 proposals for NSF Division of Cellular Biosciences and National Institute of Health.

RICE

Seminar, University of Northern Arizona. 1986. Two new statistics for increasing the power of tests with small data sets: the conditional binomial exact test (CBET) and the analysis of P-values (ANPVA).

Seminar, University of Oregon and NAU. The evolution of sex chromosomes.

Reviewed 6 manuscripts for Genetics, Evolution, Ecology and American Naturalist.

Reviewed 5 proposals for NSF.

SNELL

Councilor, Charles Darwin Foundation.

Seminar, University of Tennessee, Knoxville, TN. Biology Dept. April 1986. Sexual and natural selection: opposing forces or complementary processes? An analysis of why male lizards are faster than females.

Seminar, University of Tennessee, Biology Dept., Knoxville, TN. April 1986. Biophysical ecology and natural selection: an analysis of the reproductive ecology of Galapagos land iguanas.

Seminar, UNM, May 1986. Biophysical ecology and natural selection: an analysis of the reproductive ecology of Galapagos land iguanas.

Consulting trip to the Charles Darwin Research Station, January 1986.

Reviewed 1 manuscript for Biotropica.

Reviewed 2 proposals for NSF and Center for Field Research.

TAYLOR

Reviewed 3 manuscripts for Annals Entomology Society of America, Ecology and Biotropica.

Reviewed 2 proposals for NSF and U.S. Department of Agriculture.

THORNHILL

Seminar: Dept. of Zoology, Univ. of Maryland, February.

Seminar: UNM, Biological Anthropology Group, March.

Seminar: Dept. of Biology, Univ. of Kentucky, October.

Seminar: Dept. of Entomology, Univ. of Kentucky, October.

Seminar: Dept. of Zoology, Univ. of Wyoming, 10-15 invitations declined November.

Reviewed 54 manuscripts for Ecology, Evolution, Annals Entomology Society of America, Behav. Ecol. Sociobiol., Science, Nature, American Naturalist, Ecological Entomology, Florida Entomologist, Animal Behavior, Ethology & Sociobiology and Beh. and Brain Sciences.

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Reviewed several book manuscripts for Harvard Univ. Press, Princeton Univ. Press and Aldine Publishing Co.

Reviewed 40-50 manuscripts for colleagues.

TOOLSON

Reviewed 2 manuscripts for Journal of Insect Physiology and Journal of Arachnology.

Reviewed 6 proposals for National Geographic Society, American Philosophy Society and NSF.

VOGEL

Member Public Policy Committee, American Society for Cell Biology.

Seminar: Dept. of Biochemistry, Rush-Presbyterian-St. Luke's Medical Center, Chicago, IL. April.

Seminar: Dept. of Biochemistry, UNM.

Seminar: Dept. of Anatomy/Pathology, UNM

Seminar: Dept. of Anatomy, Medical Coll. of Wisconsin, Milwaukee, November.

Seminar: Dept. of Orthopaedics, Columbia Univ. Sch. of Med., New York, November.

Elected Chair of sub-group within Amer. Soc. for Cell Biol. called Women in Cell Biology.

Reviewed 21 manuscripts for European Journal of Cell Biology, Biochemistry, Cancer Research, Connective Tissue Research, Experimental Cell Research, Journal of Biological Chemistry and Journal of Orthopaedic Research.

Reviewed Reviewed 272 proposals for Arizona Disease Control Research Committee and National Institute of Health (30 as primary reviewer, 240 as member of study section)

WISDOM

Seminar, Oklahoma State University, Dept. of Entomology. "Use of chemical variation and predation pressure as a plant defense against a specialist herbivore."

Reviewed 5 manuscripts for Journal of Chemical Ecology and Journal of Economic Entomology.

YATES

American Society of Mammologists: Chairman - Systematic Collections Committee; Member - Program Committee.

Seminar, NM Dept. of Game & Fish, Santa Fe. Genic variation in Bighorn Sheep.

Judge, Science Fair, Valle Vista & Longfellow Elementary.

Led outside review team, Dept. of Mammology, Univ. of Kansas.

Reviewed 7 manuscripts for Journal of Mammology, Southwestern Naturalist, Systematic Zoology and Evolution.

Reviewed 8 proposals for NSF

(13) Special Category

ALTENBACH

Presidential Leadership began Fall 1986.

BACA

Appointed Associate Dean of Graduate Studies.

DUSZYNSKI

Advertising Editor, The Journal of Protozoology.

Elected as a Research Affiliate, The Harold W. Manter Laboratory of Parasitology, University of Nebraska State Museum, 1986.

Who's Who in America, 44th ed., 1986.

FINDLEY

Invited by Cambridge University Press to write a book entitled Community Ecology of Bats.

GOSZ

Program Director, 1/2 year, NSF.

KERKOF

Faculty Participation Award (AWU), summer research, Inhalation Toxicology Research Institute.

MOLES

Fulbright Research Scholar in Portugal.

THORNHILL

Distinguished Visiting Scholar, Rocky Mtn. Biol. Lab., Gothic, CO.

Research Lecturer, UNM, highest award to a faculty member.

Lecturer, Univ. of Wyoming.

Discussant & lecturer, Intl. Workshop, Dahlem Conf., Berlin, W. Germany. August.

Declined, A&S Univ. Lecture Series at Oregon State Univ.

VOGEL

Presidential lectureship, UNM, 1985-86.

YATES

Appointed a Research Associate, American Museum of Natural History, New York.

Served as one of two American members on International Committee on Systematic Collections, International Union of Biological Sciences.

Appointed to the small mammal recovery team advisory board for SW region, U.S. Fish & Wildlife Service.

9. Museum of Southwestern Biology (MSB). The MSB consists of six divisions each with its own curator: Herbarium (Martin), Herpetology (Snell), Ichthyology (Molles), Invertebrates (Crawford), Mammalogy (Yates) and Ornithology (D. Ligon). Dr. J.S. Findley is the Director of the MSB and serves to coordinate the activities of the "museum process."

The functions of the MSB are research, education and service. The annual reports from the various divisions are in the Appendix (items D-2 through D-7). The most significant achievement of the various divisions occurred in June when the Mammal Division hosted over 600 mammalogists from around the world for the 67th Annual Meeting of the American Society of Mammalogists (Appendix, item D-6).

10. Castetter Laboratory for Ethnobotanical Studies (CLES). The CLES provides modern vegetational studies and paleoethnobotanical analyses in coordination with archaeological investigations. An update on the CLES Technical Series for the FY is in the Appendix (item E).

11. Electron Microscope Facility. Our Department's EM Facility is directed by Dr. Robert Chiovetti, Jr. His annual report is attached (Appendix, item F).

12. National Ecology Center, Denver Fish & Wildlife Service (NEC/DFWS). Since 1982 the Department of Biology has had a cooperative agreement with NEC/DFWS, of the U.S. Fish and Wildlife Service, to support a mutually agreed

upon effort to strengthen a herpetological research and systematics program here at UNM. In exchange for office and storage space for their professionals and access to the herp museum, the library, parking and other minor amenities, NEC/DFWS provides UNM with two, full-time professional scientists (Drs. T. Fritts, N. Scott), a full-time secretary (R. Robino) and funds to support the agency's research program. Numerous opportunities exist for interaction between Drs. Fritts and Scott and Biology faculty and graduate students, both in teaching and research activities. On occasion, funds for research assistants, curatorial assistants and summer employment are also available to our graduate students. The annual report of the NEC/DFWS is in the Appendix (item G); this should give some flavor of the kinds of activities performed and interactive opportunities available.

13. Land Holdings. See our 1984-85 Annual Report for current land holdings. No new land was acquired in FY 1985-86 although we have been working closely with Dr. John Egbert of the Nature Conservancy to acquire additional acreage on Mt. Taylor currently owned by Mr. Donald Fenton.

14. L.D. Potter Endowed Chair. A detailed history of the development of the Potter Chair is given in our 1984-85 Annual Report. Currently the Potter Chair consists of two endowment accounts. One, the Ross-Brown Endowment (No. 1492-031-000) in the General Accounting Office, now has an approximate value of \$86,177. The second account is with the UNM Foundation. The balance in this account, as of 30 June 1987 is \$8,454.97.

15. Melinda Bealmear Memorial Scholarship Fund. In October 1986 our beloved bookkeeper, Melinda Bealmear, was in a fatal car accident. In January, 1987, graduate students started a scholarship fund to honor Melinda's dedication to Biology and our memory of her; this fund has been contributed to by Bealmear

family and friends. The purpose of the account is, one day, to provide support for a needy graduate student in Biology. The exact nature and amount of the award, and when it will begin, will be decided upon in the future by our senior faculty after the amount of money in the account reaches a level where something can be done with the annual interest without touching the principal. The balance in this new account, as of 30 June 1987, is \$1,130.14.

16. Departmental Seminar Series. We devote \$4,000-\$6,000 of our overhead return each year to support a strong seminar program that features distinguished outside speakers in many disciplines. During FY 1986-87 we featured the following individuals.

Dr. Tim Allen, University of Wisconsin, "Escaping from state space: a protocol for moving between hierarchical levels."

Dr. James H. Brown, University of Arizona, "Experimental studies of granivory in desert ecosystems."

Dr. Jim Bull, University of Texas, "Evolution of environmental sex determination in reptiles."

Dr. Peter Byers, University of Washington, "The biochemistry and molecular genetics of collagen-related diseases."

Dr. Ted Case, University of California, San Diego, "Spatial patterns in desert ant communities on two continents."

Dr. Bob Chiovetti, University of New Mexico, "Preparation of slides for biological microscopy: many questions and a few answers."

Dr. Bruce Christensen, University of Wisconsin, "Immune mechanisms in mosquito-filarial worm associations."

Dr. Anne Clark, Michigan State University, "Avian reproductive patterns: hatching asynchrony and parental allocation of food within broods of passerine birds."

Dr. Dave Culver, Northwestern University, "Caves as model systems."

Dr. Prescott Deninger, Louisiana State University Medical Center, "The origin and dispersal of repeated-DNA sequences in the mammalian genome."

Dr. Joel Eissenberg, Washington University, St. Louis, "DNA structure, chromatin structure and gene expression in Drosophila."

Dr. Norm Ellstrand, University of California, Riverside, "Pollination ecology by paternity analysis."

Dr. Stuart Fisher, Arizona State University, "Disturbance and functioning of desert stream ecosystems."

Dr. Norma Fowler, University of Texas, "Population regulation and community structure in a Texas grassland."

Dr. Harry Green, University of California, Berkeley, "Ecology and evolution of snakes."

Dr. Richard Hanson, Case Western Reserve University, "Metabolic patterning: expression of the gene for phosphoenolpyruvate (GTP) carboxykinase"

Dr. Magnus Hook, University of Birmingham, "Binding of bacteria to fibrinectin is a mechanism of bacteria-host tissue adherence"

Dr. Don Jenni, University of Montana, "Vertebrate behavior and ecology."

Dr. Astrid Kodric-Brown, University of Arizona, "Sexual selection in pupfish and guppies."

Dr. Peter Lammers, New Mexico State University, "Rearrangement of niF genes during heterocyst differentiation in filamentous cyanobacteria."

Dr. Ron Ley, Lovelace Medical Center, "Monodelphus domestica: a new animal model for photodermatological studies."

Dr. Teri Markow, Arizona State University, "Drosophila."

Dr. Manuel Molles, University of New Mexico, "Predaceous stoneflies and case building caddisflies: prey selection and prey defense."

Dr. Kathy Ono, University of New Mexico, "Behavioral ecology of sea lions."

Dr. Mary V. Price, University of California, Riverside, "Why do kangaroo rats hop and pocket mice run?"

Dr. Mark Rausher, Duke University, "Evolution of resistance to herbivory in morning glories."

Dr. Paul Risser, University of New Mexico, "Landscapes and grassland ecosystems."

Dr. Sherry Rogers, University of New Mexico, Medical School, "Neuronal cell interactions with the extracellular matrix."

Dr. Norka Ruiz-Bravo, M.D. Anderson Hospital and Tumor Institute, Houston, "Gamete interaction during fertilization in the sea urchin, Strongylocentrotus purpuratus."

Dr. Bill Shields, State University of New York, Syracuse, "The influence of tradition and housing costs on swallow sociality."

Dr. John Taylor, University of California, Berkeley, "Mitochondrial DNA and evolution in Neurospora."

Dr. F.A. Tomei, Los Alamos National Lab, "Biological corrosion."

Dr. Carol Trent, University of Colorado, "Genetic and molecular aspects of the sex determining gene HER-1 of Caenorhabditis elegans."

Dr. Luis P. Villareal, University of California, Irvine, "The organ and tissue specificity of polyoma virus DNA replication is specified by regulatory DNA."

Dr. Nickolas M. Waser, University of California, Riverside, "Optimal outcrossing and the evolution of plant mating systems."

Dr. Mark Westoby, Macquarie University, Australia, "Why are so many Australian plants dispersed by ants?"

Dr. David Sloan Wilson, Michigan State University, "Community level selection."

Dr. Glen Woolfenden, University of South Florida, "Florida scrub jay dynasties."

Dr. Marlene Zuk, University of Michigan Biological Station, "Sexual selection in field crickets: a role for parasites?"

B. Plans and Recommendations

Plans for the upcoming FY include: (1) adding several new courses both at the undergraduate and graduate levels; (2) seeking the necessary administrative approvals to implement our new BA degree by the Fall, 1988; (3) replacing Professor Kogoma; (4) redesigning the graduate core courses; (5) developing plans to implement an MA in Biology; (6) developing a flier and either a slide or video presentation targeted at directing NM high school students toward careers in Biology at UNM; (7) visiting all major high schools in Albuquerque, Las Cruces and Los Alamos to inform students why they should

enter graduate programs in Biology at UNM; (8) developing a nighttime program of courses that can lead to a minor in Biology (by Fall 1988) and eventually to a major (by Fall 1990); (10) securing an LTER agreement with NSF; (11) securing a Cooperative Fish and Wildlife Research Unit with the U.S. Fish and Wildlife Service; (13) continuing to push the concept of making Biology UNM's number one priority for capital outlay: a new Biology building where Marron Hall now stands; and (14) beginning to try to implement our plan for Departmental Direction (Appendix, item C).

C. Appointments to Staff

July 1986. Sherrie Vogel was hired as our half-time Receptionist to replace Carolyn Hill. November. Dr. Michael Richard was hired as half-time (shared with Psychology) veterinarian to help care for our live animals used in teaching and research. December. Ruth Mecklenburg was hired as a Clerical Specialist V to replace Deborah Schippert. January 1987. Angela Welford was hired as Lab Tech IV to work in the EM Facility. February. Claudia Gayheart was hired as our Accounting Technician to replace Melinda Bealmear. February. Diane Schlatter was hired as our Office Manager to replace Patricia Arthur. April. Robert Gray was hired as a Lab Technician III to work in our greenhouse and coordinate freshman lab preparations; he replaces Joseph Chavez, in part. May. James H. Brown and Astrid Kodric-Brown were hired as tenured full professors to replace John Wiens.

D. Separations from Staff

July 1986. Professor John Wiens took a higher paying position at Colorado State University. July. Carolyn Hill moved to Michigan to accompany her husband who entered a Ph.D. program at the University of Michigan. August. Eddie Walker accepted a higher paying job with Princeton Pharmaceutical Products.

October. Melinda Bealmear died in a tragic auto accident. December. Deborah Schippert accepted a higher paying job. January 1984. Patricia Arthur left for personal reasons. February. Sherrie Vogel accepted a higher paying job. February. Joseph Chavez retired.

D¹. Staff Promotions

February 1987. Carol Martindale was promoted from Clerk Specialist V to Accountant Clerk.

E. Sponsored Research

During 1986 22 of our 30.25 FTE professors (72%) submitted 73 proposals to outside agencies. Also during 1986 24 of our 30.25 FTE professors (79%) received new awards or renewal of previously awarded grants, totaling 43 separate awards, from local, state and federal agencies.

The outside contracts in force in Biology during FY 1986-87 totaled \$2,931,999.74 (Table I, p. 43)!

Table I. Total outside/inside contracts in force in Biology, FY 1986-87.

BIOLOGY DEPARTMENT	TOTAL PAC:	6,234.00
ACCOUNT NUMBERS	ESTIMATED REVENUE ACCTS:	54,453.00
24-Jul-87	TOTAL GRANTS:	2,845,780.27
	TOTAL MBES:	25,532.47

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DEPT GENERATED REVENUE: \$2,931,999.74

PAC: JUNE 15, 1987	AMRD
020-812-103 EREKOF	2,484.00
020-812-118 MARSHALL	1,250.00
020-812-123 WISDOM	2,500.00

REVENUE ACCOUNTS		ESTIMATED
109-030-075 YATES	MSMB PUBLICATIONS	3,296.00
109-030-234 TOLL	FLOTATION ANALYSIS	14,184.00
109-030-235 CLARY	ETHNOBOTANY	13,575.00
109-030-236 BARTON	IRON NUTRITION SYMPOSIUM	3,340.00
109-030-237 YATES	AMER. SOC. NARMALOGISTS	470.00
109-030-239 ROOT	WNO5	240.00
109-030-247 ALTYENRACH	BAT RESEARCH	6,070.00
109-030-248 CRIVOTTI	ELECTRONMICROSCOPY	5,443.00
109-030-249 YATES	ELECTROPHORESIS	2,835.00
109-030-336 FRITTS	HWML-DESERT TORTOISE	5,000.00

PROJECT GRANTS

281-188-100 YATES	HSP	UPDATING MAMMAL COLL.	193,000.00	11/01/82	07/31/87
281-193-500 YATES	RMGP	GENETICS/CHROMOSOMAL VAR.	20,000.00	07/15/86	06/30/87
281-214-300 MOLLES	RMGP	ISOPOD CULTURE SYS	9,686.00	09/01/85	12/31/86
281-222-100 TROBNEILL	HSP	ECOLOGICAL DETERMINANTS	73,766.00	05/01/83	10/31/86
281-229-200 GOSZ	HSP	PLANT SECONDARY CHEMISTRY	225,000.00	07/15/86	12/31/87
281-290-100 TROBNEILL	HSP	SEXUAL SELECTION	76,999.00	04/01/84	09/30/87
281-351-100 RICE	HSP	NAT. SELECT./HABITAT PREF.	114,988.00	08/15/84	07/31/87
281-425-100 YATES	HSP	BOLIVIA GENETICS	69,724.00	11/15/84	05/15/88
281-440-200 VOGLER	HIB	CONNECTIVE TISSUE MATRIX	78,150.00	01/01/86	12/31/86
281-440-300 VOGLER	HIB	CONNECTIVE TISSUE MATRIX	91,119.00	01/01/87	12/31/88
281-447-100 NATVIG	HSP	NEODOSPOA ANALYSIS	123,542.00	07/01/85	07/31/88
281-474-100 BEDNARZ	DOEE	HARRIS HARK	163,000.00	04/01/85	09/30/87
281-476-100 DARR	U.M.A.	MOUNT ST. HELENS	41,112.00	12/01/84	10/31/87
281-485-100 SOLLIVAN	HSP	MONTANE MAMMALS	5,840.00	05/15/85	04/30/87
281-529-200 COLLY	RMGP	PRAIRIE DOG	23,500.00	08/01/85	12/31/87
281-545-100 VOGLER	HIB	PROTEOGLYCAN STRUCTURE	84,988.00	09/23/85	08/31/86
281-545-200 VOGLER	HIB	PROTEOGLYCAN STRUCTURE	119,637.00	09/01/86	08/31/87
281-547-200 DARR	SANDIA SDRP	MICROBES GEOTHERMAL FLUID	30,000.00	10/01/85	09/30/86
281-549-100 TROTTER	HSP	FOREST/STREAMS ECOSYSTEMS	2,499.00	12/01/85	11/30/87
281-556-100 TAYLOR	HSP	EVOLUTION DIAPYCNIS	127,978.00	10/15/85	04/31/89
281-560-100 TROBNEILL	HSP	RED JUNGLE FOWL	159,997.00	02/01/86	07/31/88
281-578-100 DOSTYNELL	RMGP	RESEARCH PUBLICATION	6,500.00	12/16/85	06/30/87
281-628-100 YATES	RMGP	RIO GRANDE ICTHYOLOGY	59,000.00	06/15/86	12/31/87
281-657-100 LOEER	AID	KENTA/PARASITES	138,315.00	08/08/86	08/01/89
281-664-100 JOHNSON	RMNR	ASTRAGULUS HUMILLIONIS	1,000.00	07/25/86	02/28/87
281-666-600 DARR	SANDIA NL	GEOTHERMAL FLUIDS	30,000.00	10/01/86	09/30/87
281-741-100 GARDNER	HSP	RELMINTH PARASITES	9,655.00	05/07/86	05/31/88
281-689-100 LOEER	HIB	SNAILS/IMMUNOSUPPRESSION	64,040.00	12/01/86	11/30/87
281-698-100 GOSZ/DARR/BISSER	HSP	SPECTROSCOPY/LANDSCAPES	272,336.00	02/18/87	07/31/88
281-703-100 MARSHALL	HSP	RADISH POLLINATION	124,003.00	01/01/87	06/30/90
281-707-100 MILNE	HSP	FRACIAL OROL/LANDSCAPES	85,248.00	02/15/87	07/31/88
281-730-100 DARR/TROTTER	HSP	AEROBIC ZONES/STREAMS	100,000.00	03/01/87	08/31/88
281-740-100 BEST	RMGP	MORNING DOVES/GUAIL	4,995.00	03/16/87	01/31/88
281-741-100 CRAWFORD/WISDOM	US FOREST	SHAKENED MOTH REBBIVORY	9,900.00	05/07/87	09/31/88
281-745-100 BACA	HILES PRARM	CIPROFLOXACIN/COXIELLA	7,087.00	06/01/87	08/31/87
281-760-100 RIDDLE/YATES	HSP	GRASSHOPPER NICK	3,500.00	06/01/87	11/30/89
281-776-100 BEDNARZ	RMGP	WOLF STUDY	9,232.27	06/01/87	12/31/87
281-779-100 MOLLES	RMGP	GILA RIVER MINNOWS	4,570.00	05/27/87	08/15/88
281-789-100 ROHMANN	RMGP	PRAIRIE DOG PARASITES	857.00	06/18/87	12/31/87
281-791-100 MOLLES	RMGP	SOCOBRO ISOPOD	1,874.00	05/18/87	08/01/88
283-446-100 EASTON	USAID	IRON SYMPOSIUM	15,000.00	04/06/87	12/31/87
289-026-100 MILLER	HSP	ADELIE PENGUIN	24,250.00	10/01/86	03/31/88

MBES: DECEMBER 31, 1987

282-613-600 BACA	6,123.50
282-614-600 BARTON	3,725.00
282-626-600 EREKOF	5,116.43
282-647-600 VOGLER	2,650.00
282-678-600 TROBNEILL	2,650.00
282-691-600 YATES/DOSTYNELL	5,267.54

II. Biologists in the News

We take great pride in the accomplishments of our people. Some examples from FY 1986-87 are highlighted in the following pages.



Dr. Steven N. Austad, who received his Ph.D. in behavioral ecology at Purdue University in 1981, has been a visiting research assistant professor in this department since 1984. Soon he'll be leaving to take a faculty position at Harvard University, the latest in a series of interesting professional moves.

Armed with a B.A. degree in English Literature from UCLA, Steve became the head animal trainer of Lions, Etc., Inc. in Hollywood. Meanwhile, he was studying for his second B.A., this time from California State University at Northridge, where he graduated summa cum laude in biology (specializing in cellular and molecular biology).

At Purdue, Steve's dissertation dealt with competitive mate foraging in the bowl and doily spider, so it was easy for him to continue spider work here with Randy Thornhill. Supported by the National Science Foundation, they've been using an English pisaurid species to study sexual selection and the heritability of associated traits.

Steve also uses other organisms to help answer the questions that interest him. Partly as a consequence, Venezuela became a recent alternative home as he researched cooperative breeding in the bicolor wren. The common opossum, too, has told Steve something about movement patterns and home range. And some years ago Steve even published a paper on territorial defense in speckled wood butterflies. Now, of course, the big thing is chickens -- more correctly jungle fowl. Together with Dave Ligon and Randy Thornhill, Steve hopes these birds will reveal some basic components of individual selection. NSF funds the chicken work and one other grant Steve holds jointly with individuals elsewhere.

We wish him the best at Harvard, and can only guess where his fertile imagination and peripatetic tendencies will next take him.



Recently retired Professor Emeritus Loren D. Potter was the central figure in three books published by UNM Press between 1984 and 1986. That surge of publication activity caps a distinguished career in plant ecology for this long-time former department chairman and resource-oriented biologist.

The title of the first book is "Water Resources in the Southern Rockies and High Plains." It was written by Potter, James R. Gosz (also of this department and the current director of the Ecosystems Program at NSF), and Clarence A. Carlson, Jr. Loren and first author, Carolyn Barnard, wrote the second book, "New Mexico Grasses: A Vegetation Key." The third, "Principles and Methods of Reclamation Science: With Case Studies from the Arid Southwest," was edited by Loren and Charles C. Reith, both of whom contributed chapters.

Barnard received her M.S. and Reith his Ph.D. under Potter's direction shortly before he retired. Carolyn now teaches biology at Highlands High School, while Charles is with IT Corporation in Carlsbad, as is N. Timothy Fisher, who was another chapter contributor to the final publication, and another of Loren Potter's master's students.



Dr. Bruce T. Milne joined the Biology faculty this summer following a year as Lecturer in Ecology at Harvard University's Graduate School of Design. Now an assistant professor in the general area of plant community ecology, he holds a 1985 Ph.D. in botany and plant physiology from Rutgers University. At Rutgers he continued to pursue interests -- developed during his B.S. and M.S. training in biology at the State University of New York, Albany --having to do with patterns of plant distribution in natural and disturbed landscapes.

Bruce's research has evolved from conventional yet sophisticated analyses of community organization along environmental gradients to unusual, scaleindependent (fractal) methods of unraveling whole landscape patterns. The latter approach is relatively abstract and new to the mind sets of most ecologists, so it is refreshing to note that Bruce also likes to camp and to photograph birds. Recognizing the worth of his novel ideas, The Ecosystems Program of the National Science Foundation recently awarded him a 3-year, \$149,863 grant to study "Hierarchical structure and fractal geometry of landscapes in the southwestern United States." Will his findings alter our perceptions of reality and illusion in nature? Keep posted.



Dr. Howard L. Snell spent a year as Assistant Professor of Biology at Memphis State University before joining our faculty at the same rank in 1986. Before that, in 1984, he was a postdoctoral research scientist in the Department of Biology at Texas Christian University, where he investigated heritability of life history characteristics in a widespread desert lizard. Howard received his 1984 Ph.D. in biology from Colorado State University and his B.S. in zoology from San Diego State University.

With strong interests in the evolutionary aspects of population ecology as well as reproductive and behavioral biology, Howard has spent an enviable number of years studying land iguanas on the Galapagos Islands. As a consultant to the Charles Darwin Research Station there, he has been responsible for designing and implementing management plans for the conservation of those interesting reptiles and their perhaps more famous distant relatives, the giant Galapagos tortoises. Here at UNM, Howard will be teaching herpetology and other courses, acting as Curator of Herpetology, and switching some of his research emphasis to a more regional herbivorous lizard, the desert iguana Dipsosaurus.

6/13/86



Dr. Charles S. Wisdom came to our department this year from a postdoctoral position at the Laboratory of Biomedical and Environmental Science at UCLA. He holds a 1982 Ph.D. in biology from the University of California, Irvine, having gone there from the University of California at San Diego, where he obtained his B.A., also in biology. Now an assistant professor in physiological plant ecology, his research interests and training span the ecology of host plant defenses in relation to predation by herbivorous insects to the physiological responses of plants to water deficits.

Charlie, who currently shares lectures in our general botany course with Bruce Milne and who will teach a seminar course next semester on plant-herbivore interactions, has looked closely at the evolution and distribution of quantitative variation in the plant chemical defenses of desert shrubs. But even with his strong background in organic chemistry, he is just as interested in the distribution and seasonal activities of the herbivores themselves, especially those specializing in one or a few closely related shrub species. At UNM Charlie is finding a ready supply of research sites, organism combinations, and potential collaborators.

11/17/86



Although a seminar called "WOMEN IN SCIENCE" was held in this department at least once in the 1970s, interest in it waned until recently. But quiescent ideas, just like dormant seeds and insects, have a habit of reappearing when conditions are appropriate. Apparently, they are now, and this semester three committed biologists have resurrected WOMEN IN SCIENCE and are presenting it in a revised and intriguing format.

Karen Clary, Marlene Zuk, and Kris Johnson (left to right in the above photo) are its current organizers. Karen is a member of the Ethnobotany team that supports itself largely through archeology contracts; her lab is located close to the Herbarium. Kris just finished her doctoral studies at UNM on sexual selection in the Pinyon Jay, and is working part-time on the Thornhill-Ligon Jungle Fowl project. Marlene, who participated in similar seminars as a graduate student at the University of Michigan, does post-doctoral work on the Jungle Fowl project--specifically on the effects of parasitism on sexual selection in these birds.

The seminar deals with philosophical, pragmatic, and "intermediate" issues. In the first instance, questions are considered as to how gender differences affect performance in science. On the pragmatic level, questions are raised in regard to the realism of being a career woman scientist and having a family, and in regard to why, for example, there is a gap between the proportion of women in graduate school and in the science work force. Less prone to being categorized are questions about how women, both as science students and scientists, are perceived in various situations (e.g., classes, interviews).

WOMEN IN SCIENCE seeks to dispel concerns, by women scientists, as to how they may be regarded by their peers and by society; in effect, its goal is to impart self-confidence. If that goal alone can be realized, then the organizers' hopes for an eventual expanded version of the seminar, with participation by women scientists from other areas, may be fulfilled. Let's hope so--the time is right!

February, 1987



Lee Fitzgerald, now finishing his M.S. degree under Norman Scott's direction, has successfully translated his biological conservation interests into action. Following his undergraduate work at Stephen F. Austin State College, he became a Peace Corps volunteer in El Salvador and then Paraguay, interacting at the time with the U.S. Fish and Wildlife Service (FWS) and the World Wildlife Fund (WWF) on biotic surveys and studies of exploited populations. In recognition of these efforts and of his general competence in reptilian biology, Lee has just been awarded a full-time position by the WWF to study Tegulizards in Argentina.

At UNM, Lee's research concerned dietary patterns of the caiman, Caiman crocodilus, in the llanos of Venezuela. That work was the latest in a series of widely varying job experiences that, one way or another, focused on his central interest in conservation. For example, in 1978, after taking his B.S. degree, Lee was Project Director on an NSF grant that examined using reservoirs to reclaim strip-mined land. More recently, in 1983, he was Workshop Coordinator and Translator for the FWS Office of International Affairs. Being fluent in Spanish was clearly a necessity at the time, as he dealt with Latin American biologists studying migratory birds and crocodilians. Not for nothing is the Tegulizard called the "cowboy boot lizard." In fact, Argentina exports 15-20 million dollars worth of their skins each year, despite a lack of basic knowledge of the animal's biology. Enter Lee, who hopes both to establish a reasonable basis for its management and protection, and to use his new job as a dissertation source for the Ph.D. Then he wants to help expand conservation studies in Latin America. With that worthy goal in mind, we wish him (and his exploited subjects) a most successful future.

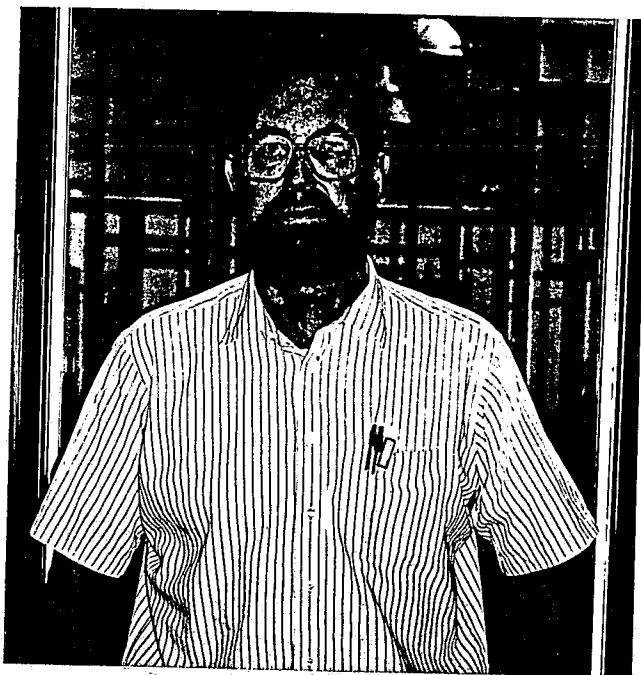


Scott L. Gardner's dissertation research, "Zoogeography and Coevolution of Helminth Parasites and their Rodent Hosts in Bolivia," was recently given a boost in the form of a 2-year, \$9,665 grant from the National Science Foundation. This funding will enable Scott to spend the next year or so analyzing the morphologic, chromosomal, and genetic characteristics of host-parasite samples obtained during many months of extensive collecting in South America. His results should tell us a great deal about whether host-parasite systems evolve randomly with respect to each other, or whether their symbiotic components coevolve in a manner that reflects an influence of the same geological and historical events.

Characterized by an unreserved enthusiasm for biology in all forms, Scott wrote bachelors and masters theses on helminth parasites at Oregon State University and the University of Northern Colorado, respectively. A teaching assistant at UNM since 1983, he also had a research assistantship in 1985-86 with the American Museum of Natural History, which in part sponsored the Bolivia trips. NSF monies to Scott's co-advisors, Donald Duszynski and Terry Yates, also helped in this regard.

While here, Scott has received additional support from various UNM sources (including the Latin American Institute) and The American Society of Mammalogists. Clearly, his probing of the systematics, zoogeography, and evolution of nematodes, tapeworms, and their hosts is a venture of considerable magnitude--one that should gain him more than a moderate amount of laudable notoriety.

March, 1987



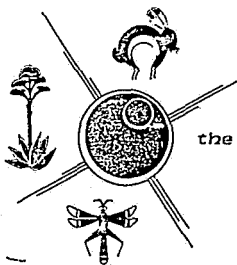
Dr. Paul R. Kerkof was recently selected as one of the University's 1985-86 Outstanding Teachers of the Year. This is the second time in three years that a representative of the Biology faculty has been so honored: Dr. Scott Altenbach was accorded a similar award for 1983-84.

Paul's commitment to his courses--Cell Biology I and II, and Cell Biology Laboratory--has been the subject of highly favorable student comments over the years. A great amount of his time goes into reviewing the subject matter in this rapidly changing field. Paul's courses clearly reflect this dedication to keeping up with current events, and, perhaps more importantly, to making sure the subject material can be mastered by students willing to work hard. As any experienced instructor knows, the incentive for a student to learn is strongly related to how interestingly a topic is presented. Ask any of Paul's students . . . they'll tell you what interesting courses he teaches.

With a 1965 Ph.D. in Physiology from the University of California, Berkeley, Paul came to UNM in 1970 after extensive post-doctoral experience in the U.S. and England. His research during and since that time has centered on the mechanism of action of thyroid-stimulating hormone on thyroid gland cells in culture. His work with thyroid cells has been funded by grants from the National Science Foundation and the National Institutes of Health. He is also associated with the Inhalation Toxicology Research Institute, part of the Lovelace Foundation, where his research involves an analysis of the alteration and expression of oncogenes in radiation and chemically induced lung tumors. At UNM, in addition to his teaching and research, Paul has participated in many departmental and campus-wide committees.

May, 1987

APPENDIX



the Biological Society
of New Mexico

743

1987 NEWSLETTER

GREETINGS

We've heard from a number of you over the last year and we'd like to thank you for staying in touch and for your support. We thought that you would be interested to know what some of your Biology contemporaries are doing today, so we intend to make this a regular part of our annual Newsletters. In future Newsletters, we'll do our best to keep you informed about the activities and whereabouts of your classmates and other Biology Department alumni and friends.

Lora Belle (Hughes) Cole (M.S., 1958) and her husband George now live in Los Alamos. Lora is a retired librarian.

George Kennedy (B.S., 1968) received a D.V.M. from Washington State and a Ph.D. from Kansas State. Dr. Kennedy is now a veterinary pathologist at Kansas State University.

Richard Storey (B.S., 1968) spent a few years teaching at Manzano High School after graduating from UNM. Richard then went on to earn his Ph.D. in plant physiology from the University of Oklahoma and did a year postdoc at the Kettering Lab in Ohio. He is now an Associate Professor of Biology at The Colorado College in Colorado Springs.

Don E. Wilson (M.S., 1967; Ph.D., 1970) is currently a zoologist with the National Museum of Natural History in Washington and is also the current President of the American Society of Mammalogists.

Steven W. Walker (B.S., 1969) received a Master's of Public Health at UC Berkeley in 1970 and today is the Manager, Air Pollution Control Division, in Albuquerque. He and his wife Patricia just couldn't stay away from the Duke City.

Rebecca (Daniels) Kush (B.S., 1975) received her Ph.D. from the University of California - San Diego. She and her husband Steve are now living in Tokyo, Japan, where Dr. Kush is working as a medical research consultant.

Paul Labarrere (B.S., 1974) was once a star football player for UNM. He is now teaching high school biology in Upland CA, and, you guessed it, he also coaches varsity football and track.

Sam R. Lehman (B.S., 1970) went on to earn his M.D. and is now a neurologist practicing in Odessa TX.

Paul R. Mahl (B.S., 1979) is the Production and Technical Sales Coordinator for CVI Laser Corporation in Albuquerque.

744 John R. Nelson (B.S., 1978) received his M.D. from the University of Louisville in 1982. He is currently a Fellow in Cardiology involved in exercise physiology research. Dr. Nelson and his wife Zarrin live in Fresno CA.

Carol Parpart (B.A., 1976) now lives in Gallup where she works as a clerk in a pharmacy.

Kenneth Reese (B.S., 1970) and his wife Gale live in Albuquerque. Ken is a successful independent insurance agent and owns his own agency.

Richard W. Seeley (B.S., 1971) is also an independent insurance agent who now lives in Ruidoso NM.

Edward H. Soenke (B.S., 1975) is a self-employed businessman (E.H.S. Enterprises) in Los Alamos NM.

Thomas W. Swetnam (B.S., 1977) finished an M.S. at the University of Arizona and is now completing his Ph.D. there as well. Tom is a forest ecologist/dendrochronologist looking at disturbances to trees (fire, insect outbreaks) for the Laboratory of Tree-Ring Research at the U.A. in Tucson.

Stephen Wagner (B.S., 1970) received his D.D.S. from the University of Southern California and now practices dentistry in Albuquerque. Dr. Wagner has an avid interest in ants and is involved in building a display for the Natural History Museum in Albuquerque.

Theodore E. Yaeger (B.S., 1973) went on to earn his M.D. in 1981 and is now a staff radiotherapist at Halifax Hospital in Ponce Inlet FL.

Fred Youberg (B.S., 1974) has remained at UNM and is now the Senior Buyer in the Purchasing Department for the University. He and his wife Sherra have two new girl babies (3 $\frac{1}{2}$ and 1).

Carter Zudick (B.S., 1977) also lives in Albuquerque and works for Sperry Flight Systems as an electronics technician.

Karen Dahl McKenzie (B.S., 1983) has one of the most important jobs, and often one of the most thankless, of all our former graduates: she is a mom and housewife. Karen and her husband Kenneth live in Encino NM.

Diana M. Gonzales-Pacheco (B.S., 1984) works for the Bureau of Land Management and lives in Santa Fe NM.

Melissa McCray (B.S., 1984) is a Microbiology Lab Assistant at St. Joseph's Hospital here in Albuquerque.

Patricia Mehlhop Cifelli (Ph.D., 1981) had been working as an ecologist for the Wildlife Resources Center in Delmar, NY. Recently, however, her husband Rich accepted a position with the Stovall Museum at the University of Oklahoma, so they now live in Norman.

Janice K. Moore (Ph.D., 1981) went to the University of Texas as a Lecturer after leaving UNM. She then spent about 1 1/2 years at Florida State as a Research Associate before being hired as an Assistant Professor of Zoology at Colorado State University in August 1983. Janice is also a recent recipient of a prestigious Young Presidential Investigator Award.

Claudia J. Schmidly (B.S., 1982) has become a world traveler...as a lieutenant in the U.S. Navy.

Other Friends and Supporters of the Society and the Department

Dorothy & Dale Bealmear, Albuquerque NM	Loren D. Potter, Albuquerque NM
Mr. & Mrs. L.I. Bealmear, Tulsa OK	Raymond & Janis Prudhomme, Albuquerque NM
Helen L. Coble, Coffeyville KS	Mr. & Mrs. Albert V. Schnoebelen, Albuquerque NM
Roger Conant, Albuquerque NM	Pamela C. Schuster, Raton NM
E. Grace Deremer, Boston MA	Cathy Stewart, Albuquerque, NM
Dow Chemical USA, Midland MI	Richard & Carol Steuber, Placitas NM
Kathryn Fitzwater, Albuquerque NM	John & Ellie Trotter, Albuquerque NM
Cheryl Fossum Graham, M.D., Rockville MD	Robert M. Weaver, Albuquerque NM
Grafton Houston, Ft. Collins CO	Gary & Joan Zahn, Los Banos CA
Eugene & Letitia Peirce, Albuquerque NM	

Once again we'd like to bring all of you up to date on events and activities in the Department of Biology. In this edition we've decided to concentrate on two topics we hope you will find interesting: 1) how we use building space, and 2) significant happenings in the professional lives of a few UNM biologists. Then we conclude with some comments about planning for our own increased visibility and viability.

SPACE USE AND THE BIOLOGY ANNEX

Back in 1967, when we first moved into what is now the Potter Wing of Castetter Hall, space was embarrassingly available. The old-timers among us often had several large research labs at our disposal. Now newly recruited faculty members often wait a year before we can create new lab space for their research and teaching.

Twenty years ago our chairman had a secretary, a little typing help, and less than 15 faculty members. We still have a chairman (who now requires the services of an assistant chairman), but the secretary is now an office manager, and by Fall Semester there will be 34 faculty members. The office manager, by the way, answers to an administrative coordinator -- who runs the department on a day to day basis -- and directs the activities of a burgeoning office and extra-office staff. Mary Alice Root fills this role -- superbly.

Now, in 1987, our operations -- with one major exception -- are still confined to the space that was available two decades ago, not withstanding

extensive personnel additions and despite the fact that nearly all of the faculty hired in the interim are extremely active, space-consuming researchers. The major space exception is the Biology Annex and therein, as they say, lies a tale.

The Annex was built in 1948, at a cost of about \$106,000, and once housed the College of Pharmacy. It is a squarish, single story building about 75 meters west of the original Castetter Hall. Constructed in the traditional UNM "pueblo" style, its picturesque murals graced classrooms and labs used for years by pharmacy students. Then, in the early 70's, Pharmacy crossed Lomas Avenue and merged physically with the College of Nursing. One of our longtime faculty members, Dr. Earl Bourne, has an office there and teaches several courses, including a rigorous year of human anatomy and physiology.

In the polite scramble that followed Pharmacy's exodus, Biology managed to acquire that College's former home, which we promptly renamed the "Biology Annex." Dr. James Gosz had joined our faculty by then and desperately needed space for the water and soil chemistry portions of his watershed studies in the Sangre de Cristo Mountains above Santa Fe. In theory, the Annex was the perfect solution. However, all those chemicals used by all those pharmacy students had taken their toll on its plumbing. Dr. Rex Cates, a chemical ecologist, had also come on board by that time. He needed a special lab to house his new gas liquid chromatograph (GLC) and plenty of other sensitive equipment. Well, we got to work, and one year and about \$140,000 later, the murals were gone but a functional waste system was in place.

At this point you might wonder about the cost-effectiveness of such a renovation. Good point. By way of an answer consider that Jim Gosz, since coming to UNM in 1970, has been awarded \$3 million in outside grants. And Rex Cates, before he left, had added another \$1.5 million. Without the Annex that wouldn't have been possible. And a lot of jobs at UNM would never have been created and funded. (Rex Cates, we should add, left a few years ago to take a job he couldn't turn down at Brigham Young University. He and Jim still share a large NSF grant, however.)

Right now we're into a third phase of Annex remodelling. Newcomers Drs. Charles Wisdom and Bruce Milne will have offices there, as will Dr. Carl White, who received his Ph.D. a few years ago under the direction of Jim Gosz. Carl now has his own \$133,000 NSF grant to study variation in soil terpenoids and nitrogen transformation processes. Two postdoctoral scholars will soon share another office there, and special equipment and computer rooms are being built into what was once a large classroom. These changes and a storage extension on the northeast corner will come to over \$200,000.

Seems like a lot, doesn't it? But if our past success in gaining extramural funds is any indication, the expense should be compensated in fairly short order by federal grants. In fact, if you consider the dollars brought in by another Annex resident, Dr. Cliff Dahm (who's been at UNM for only 3 years), the overhead from his partly-shared \$984,000 in grants to date has already gone a long way toward paying for the construction now in progress.

Finally, cost-effectiveness at an educational center like UNM isn't the whole story. It's nice to break even, financially, but we trade in a currency even more important than money in the long run: information. An illustration of such currency's use involves the Annex and the one Annex resident we haven't mentioned. Dr. Manuel Molles has his own little (southeast) corner of this venerable structure. Manuel, who has been with us for over a decade, is an aquatic ecologist. He used to study reef fish communities; now it's mostly stream organisms. He even has an artificial stream, which he built himself, in his lab. It holds trout and aquatic insects. And nearby are rearing tanks containing hundreds of rare and endangered Socorro isopods. Manuel developed the rearing procedures himself. Although he does command regular outside funding, it's relatively small stuff compared to the big bucks generated by his Annex colleagues. However, unlike them, Manuel teaches very large freshman classes -- plus advanced courses. Thus, he touches the minds of hundreds of impressionable young people nearly every day. He's also one of our key undergraduate advisors. So well thought of is Manuel, both as a teacher and a researcher, that he was recently awarded a Fulbright Fellowship for a year of study in Portugal. Now he can lecture in Portuguese.

That, in a nutshell, is the tale of the Annex. There's no telling what the future holds for it. More horizontal growth is difficult to envision. Greater intellectual growth is another matter.

BIOLOGISTS IN THE NEWS

Personnel changes

Although the University was unable to generate many new faculty positions last year, Biology did remarkably well, despite one important loss. Still, our consistent dual position is that (1) we are at about half strength as far as representing the life sciences is concerned (relative to other universities of similar size), and (2) we need much better representation in cellular and molecular biology than we now have. The correctness of this position can be verified by examining biology faculty: student enrollment ratios in most other major universities, nationally and internationally. UNM suffers badly by comparison, especially in the cellular and molecular area. So we keep on presenting our case to the UNM administration, and last year our arguments were relatively successful, considering a general freeze on new hires.

Our single loss was a big one. Dr. John Wiens, our Distinguished Professor of Ecology, left to take a similar position at Colorado State University. A major consideration in his departure was the creation of a new position at CSU for his wife, Dr. Bea Van Horne. CSU also pays its faculty members better than does UNM, as do most major U.S. universities, a fact of life not lost on many UNM academicians faced with offers from elsewhere. John Wiens made an immense contribution to our graduate program and to the department in general. He will be sorely missed. His replacements will be Dr. James Brown and his wife, Dr. Astrid Kodric-Brown, who jointly took a large cut in salary at the University of Arizona to join us next fall. We'll have more to say about them in next year's newsletter.

Three new assistant professors arrived, last August, as replacements for Drs. Loren Potter and William Degenhardt, who both retired a year ago. Here's an introduction to the new people, two of whom we've already mentioned.

Dr. Bruce Milne came to us after a year as a lecturer in ecology at Harvard University's School of Graduate Design. Holder of a Ph.D. in botany and plant physiology from Rutgers University, Bruce is a pioneer in the study of scale-independent (fractal) methods of analyzing landscape patterns. The National Science Foundation recently awarded him nearly \$150,000 to pursue his novel ideas in the Southwest. Bruce's course assignments cover freshman biology, general botany, introductory ecology, and advanced courses in ecology. Most large universities confer less extensive teaching loads on their active researchers.

After a year as an assistant professor at Memphis State University, Dr. Howard Snell came to UNM at the same rank to be Curator of Herpetology. Howard's background and current interests lie in evolutionary aspects of population ecology. His focus, both at Colorado State University where he received the Ph.D., and at Texas Christian University where he did a one year post-doctoral stint, has been on reptiles -- particularly the land iguanas of the Galapagos Islands where he's done research for years. Howard is a consultant to the Charles Darwin Research Station there, and was recently awarded a Fulbright Grant to continue his research in those famous islands. He teaches introductory biology and advanced courses in his field.

Dr. Charles Wisdom held a postdoctoral position at UCLA before moving to UNM. His Ph.D. is from the University of California, Irvine, and his interests range from physiological plant ecology to plant-herbivore interactions. Charlie, now teaching a new course in the latter area, has looked closely at evolution and quantitative variation in chemical defenses of desert shrubs against insects. He brings to the department's ecological arm a strong background in organic chemistry and quantitative genetics, in addition to an expertise in physiology, ecology, and evolution. He will have a major instructional role in the botany program, and will teach the general botany course regularly.

Miscellaneous Achievements

Recognition in a variety of forms came to many UNM biologists during the past year. Here is but a small sampling:

Dr. Scott Altenbach's work with bat flight remains highly visible. Winner of a 1983/84 UNM Outstanding Teacher Award, Scott's international reputation in flight mechanisms and bat photography is evident from recent TV films (e.g., BBC's "Life on Earth," the Canadian Broadcasting System's "The Nature of Things," several National Geographic Society productions, and the Smithsonian Institutions's "On the Wing" last June). National magazines, newspaper writeups, and a mammalogy textbook have also featured his contributions.

Dr. Oswald Baca, Associate Dean of Graduate Studies and a highly recognized investigator of pathogenic rickettsial organisms, was invited to be a visiting scientist this summer at the Laboratoire de Bacteriologie-Serologie-Virologie in Marseilles, France. Oz, whose research is regularly supported by NSF and NIH, has also been asked by the National Research Council to serve on the Evaluation Panel in the Physical and Life Sciences, Mathematics and Engineering for the Ford Foundation's Postdoctoral Fellowships for Minorities Program.

Scott Gardner, a doctoral student, was recently awarded a grant by the National Science Foundation to pursue his dissertation research on zoogeography and coevolution of rodents and their helminth parasites in Bolivia. Scott has been a Teaching Assistant here since 1983, during which time he has received research support from the American Museum of Natural History, the American Society of Mammalogy, and UNM's Latin American Institute.

Dr. Eric S. Loker, better known as "Sam," is one of our important links between cell and molecular biology and ecology/evolution. Coming to UNM from a faculty position at Virginia Commonwealth University several years ago, Sam's doctoral work in parasitology at Iowa State University preceded postdoctoral training in immunology at Oregon State University; this experience allows him to interact easily with a broad assortment of biologists. His research centers on the biology of snails that serve as intermediate hosts for blood flukes causing schistosomiasis, one of the world's major diseases of humans. Recent large grants from the Agency for International Development (AID) and the National Institute of Allergy and Infectious Diseases enable him to carry on this work here and in Kenya.

Dr. Gary Miller, who completed his dissertation here on the ecology of bighorn sheep last semester, is now in Antarctica studying the behavioral dynamics of nest site selection in Adelie penguins. Gary will spend two field seasons in the Antarctic in collaboration with a colleague at the University of Otago, New Zealand. An NSF fellowship was awarded to Gary for this work.

Robert Sullivan, now working toward his Ph.D. in our department, has been extremely successful in procuring outside funding for his dissertation research on the historical biogeography of Southwest montane mammals. Support over the years has come from six research grants from agencies outside the university, plus an NSF Dissertation Improvement Grant. Earlier this year, NSF awarded Bob and Dr. David Hafner a very large grant to broaden and pursue a joint study on pikas. The grant will be administered through the New Mexico Museum of Natural History, where former UNM doctorate recipient Hafner is Curator of Vertebrates.

Dr. Randy Thornhill, known internationally for his research on sexual selection, last year was accorded UNM's most prestigious faculty recognition, the Annual Research Lectureship. Randy's continuous support from NSF is currently shared with Dr. David Ligon in an intriguing study using the evolutionary antecedent of chickens, namely the red jungle fowl. Among the questions asked by Randy and Dave are: Why are males so elaborately ornamented? How much do females care about this? Do intestinal parasites have any influence on the ornamentation? If you stop and think about it, these questions have broad application.

Dr. Kate Vogel, who was awarded a coveted UNM Presidential Lectureship from 1984-86, continues to be a key player at all levels in department activities. A former NIH Career Development Award winner, and current principal investigator on two NIH grants dealing with the metabolism and molecular structure of connective tissue, Kate was recently elected Chair of the American Society for Cell Biology's sub-group on Women in Cell Biology.

Dr. Terry Yates, also a 1984-86 Presidential Lecturer, is Curator of Mammals in our Museum of Southwestern Biology (MSB). The Mammal Museum, with its 60,000 specimens valued at three million dollars, is on a completely computerized information retrieval system, thanks to Terry and his associates. It ranks in the top 10 such organizations in the United States. An NSF grant to Terry and MSB director Dr. James Findley has helped in updating and reorganizing the Museum. Terry also has NSF grants for a genetic survey of Bolivian mammals and shares an NIH-MBRS grant with chairman Don Duszynski on a genetic study of mammalian hosts with respect to their coccidian (protozoan) parasites.

Teaching Awards

Central to the mission of any institution of higher education is the communication and critical assessment of facts and ideas. Teaching and research are the basic, albeit overlapping ingredients of this endeavor. So far in this newsletter we've emphasized research accomplishments. Good teaching may be harder to document, but there is solid evidence that UNM biologists do it well.

Each year UNM awards \$1,000 prizes to a small number of "Outstanding Teachers of the Year." In 1985 Dr. Scott Altenbach (see above) received one of these. In 1987 Dr. Paul Kerkof was awarded another. Long known as a gifted teacher, Paul's courses in cell biology invariably get "outstanding" ratings in official student evaluations. His scores are seldom topped anywhere on campus.

Others have received teaching recognition as well. For example, electron microscopist Dr. Robert Chiovetti was nominated (along with Scott Altenbach) for a Burlington Award last year. A dozen or so faculty members and graduate teaching assistants fall into the official "excellent" category each semester. And our TAs are well thought of at the highest university levels. Thus, Tina Haynes, who obtained her M.S. degree last spring, was one of UNM's two "Outstanding Teaching Assistants." (Prior to that she had also been given the Biological Society of New Mexico's "Outstanding Teaching Assistant" award.) Shawn Wright, a doctoral student, made UNM's "Honorable Mention" category. Since the UNM Foundation, Inc. gave out a total of four of these campus-wide awards last year, we were very pleased that one-half of them went to Biology graduate students.

PLANS FOR VISIBILITY

UNM is in a financial "crunch" for the fifth consecutive year. That raises an important question: How do vigorous, high-standard units like the Biology Department maintain momentum and deliver excellence in the face of such cuts?

Clearly, we have to take charge of our own destiny if maintenance and delivery are to be assured. To this end, we in Biology plan to wage a continuous public-relations campaign to inform New Mexicans of our educational efforts, and to attract more students to UNM in general and Biology in particular. Here's how we plan to do these things.

First, we anticipate making direct contact with friends and alumni like yourselves, and the public at large. We're thinking, right now, about a "phonathon" as one means of accomplishing this. Simply stated, we'll ask for contributions -- and say why we need them. Another form of contact -- in which we'll solicit students, not money -- is by having our most persuasive teachers visit each Albuquerque, Las Cruces and Los Alamos high school annually, explaining why UNM is a good university to attend, and why Biology is a smart area to major in. We're developing a career-related brochure for that purpose.

Second, we are asking in this very letter for volunteers among you to be members of a new Biology Alumni Development Committee. This committee's main responsibility will be to help us come up with novel ways to raise funds on an annual and long term basis. If we are successful, with your help our Department will be able to achieve some insulation from the financial vagaries of the University. Do let us know if you are interested in helping us. Proceeds from donations would go to such worthy causes as local seminars and symposia, graduate fellowships (very few are available at UNM) to confer upon our best graduate students, and travel funds (very little is available at UNM) to support faculty and graduate student travel to professional meetings. As in other professions, regional, national, and international conferences are key sites for information exchange, student and faculty recruitment, and contacts regarding all sorts of scholarly activity. Biology at UNM is on the international map in part because most of us travel -- most often using personal funds -- to such meetings. It's embarrassing to be invited to participate in an international conference and to be unable to go because your university can't give you travel money; this has happened here - no joke!

So if you'd like to help us in any way: by direct donation (see below), by volunteering to help us raise funds, and certainly by making suggestions for positive action, we'll be very grateful indeed. If nothing else, we want you to remember your academic "roots" and to be proud of them.

THE BIOLOGICAL SOCIETY OF NEW MEXICO

Organization

The Biological Society of New Mexico is a tax-exempt organization under the New Mexico Nonprofit Corporation Act and the United States Internal Revenue Code. The object of the Society is to establish and maintain endowments, trusts, and foundations and to administer grants and other funds, all for the purposes of encouraging, fostering, and pursuing excellence in education in the Department of Biology at the University of New Mexico. Such purposes shall be pursued directly through sponsorship of educational programs, support of education-related research, and any other activities, academic processes, or programs that benefit our primary goal of excellence.

The Society is authorized to receive, disburse, and administer funds, grants, stipends, honoraria, property, or any other interests for educational purposes. Tax-exempt gifts may be given with designation to be used for specific purposes, e.g., student fellowships, research support, or whatever, as long as the purpose fits the objectives of pursuing excellence in biological education and research at UNM. The funds will be administered by the Board of Directors under the laws of New Mexico governing non-profit corporations and the federal laws governing tax-exempt educational organizations approved by the U.S. Internal Revenue Service.

Membership

1. Any person contributing an annual fee, on a calendar year basis, of \$15 or more is appointed a member of the Society and will receive the Newsletter. As with membership in all professional societies, this is a tax deduction.

2. Any person contributing \$25 will be appointed a member and on request will receive a T-shirt or tank top of excellent quality with the logo and name of our Society.

3. Any person or organization contributing a lump sum of one thousand dollars or more is appointed a Patron of the Society. Patrons are entitled to membership benefits for life and will receive a Certificate of Patronage. Anyone contributing \$10,000 or more will be considered a "Patron Saint" of the Society.

4. All memberships and contributions are tax exempt.

5. Please mail memberships and contributions by check payable to "The Biological Society of New Mexico" to:

Secretary-Treasurer, Biological Society of New Mexico
Biology Department
The University of New Mexico
Albuquerque, New Mexico 87131

DETACH AND MAIL -- Even if you can't help financially, we'd really like to hear from you and learn about what you're doing. Thanks.

Name _____ UNM Degree _____ Year _____
Other Degrees _____

Current Mailing Address _____

Current Occupation _____

Other Activities _____

Enclosed check \$ _____

If \$25 or more and you desire a shirt, check appropriate boxes:

T-shirt Blue Small Large

Tank top Cream Medium

753 2167 B

DEPARTMENT OF BIOLOGY
1987/88

June 24, 1987

Joint Appointments (with other departments or areas):

Troy Best, Assistant Professor	General College
Robert Kelley, Professor	Anatomy
David Kidd, Professor	General College
Tokio Kogoma, Professor	Cell Biology
Paul Risser, Professor	Vice President for Research
Robert Waterman, Professor	Anatomy
Stephen Wood, Professor	Physiology

Adjuncts (not on UNM payroll):

William H. Baltosser, Adjunct Assistant Professor	NMG&F
Rex Cates, Adjunct Professor	BYU
Roger Conant, Adjunct Professor	
Thomas Fritts, Adjunct Associate Professor	DWRC
Gary Graham, Adjunct Assistant Professor	NMG&F
David Hafner, Adjunct Assistant Professor	NMMNH
David Hsi, Adjunct Professor	NMSU
John P. Hubbard, Adjunct Associate Professor	NMG&F
John E. Lobdell, Adjunct Associate Professor	U. Alaska
John Rotenberry, Adjunct Associate Professor	Bowling Green U.
Michael Richard, Adjunct Assistant Professor	Veterinarian
Eugene Rypka, Adjunct Professor	Lovelace
Norman Scott, Adjunct Associate Professor	DWRC
Gary L. Simpson, Adjunct Associate Professor	Lovelace
Richard Smartt, Adjunct Assistant Professor	NMMNH
Beatrice Van Horne, Adjunct Assistant Professor	CSU
John Wiens, Adjunct Distinguished Professor	CSU
Bruce D. Woodward, Adjunct Assistant Professor	NCU

Research or Visiting Status (usually on UNM payroll):

James Bednarz, Research Assistant Professor
 Jack F. Cully, Research Assistant Professor
 Herbert Grover, Research Assistant Professor
 Thomas Koob, Research Assistant Professor
 Gary Miller, Research Assistant Professor
 Lyndall Mueli, Research Assistant Professor
 Hugh B. Musick, Jr., Research Assistant Professor
 Shinichi Noda, Visiting Research Assistant Professor
 Kathryn Ono, Research Assistant Professor
 John Schultz, Visiting Research Assistant Professor
 Peter Stacey, Research Associate Professor
 Carleton White, Research Assistant Professor

Herbarium Affiliates:

Margaret Caffey	MS
Elizabeth Crowder	BS
Anne Cully	MS
Reggie Fletcher	MS
Paul Knight	MS

Herbarium Research Associates:

Karen Clary	MS
Glenna Dean	Ph.D.
Molly Toll	MS

Emeriti:

William Degenhardt
 Howard J. Dittmer
 Loren D. Potter

THE UNIVERSITY OF NEW MEXICO

DATE: March 13, 1986

TO: Biology Faculty

FROM: Cliff Crawford, Don Natvig, Kate Vogel, John Wiens

SUBJECT: A Plan for Department Direction

Don Duszynski has asked us to develop a framework for the future development of the department during the next five years or so. Representing, as we do, a fairly broad cross-section of departmental attitudes and interests, we have come up with a collective view of our present position that we hope can be used to define not only where we are now, but where we can realistically expect to develop in the coming half-decade.

One of our first concerns was that the often-used terms "cell and molecular" and "ecology and evolution" are at best simplistic and at worst divisive. In actuality, our department is not made up of two monolithic camps; rather, it consists of a diversity of individuals having the potential to contribute to a vital segment of scholarship at UNM. With that in mind, we formulated a plan that focuses on areas of research and graduate training in the Biology Department.

After much discussion we identified a number of faculty "interest groups" that combine arenas of intellectual and research activity. Six of these, we reasoned, reflect relatively distinct conceptual themes. Three more themes reflect degrees of methodological distinctiveness. All are to an extent contrived; however, we feel they promote a balance of intellectual harmony and diversity that can serve, in its separate parts, as a model of our current status and as a springboard for future development.

The themes, which are outlined on attached pages, represent existing areas of academic strength with which clusters of current faculty appear to have clear affinities, and to which new faculty can be added for balance and integration. Some clusters are obviously more cohesive than others. Some individuals, moreover, seem to identify readily with a number of themes; others with only one. Since the arrangement results from guesswork on our part, some faculty may wish to reposition their names. Feel free to do so (and to formalize your move in a note to us), but first consider how we 1) define and explain each conceptual theme, and 2) propose to use each as a basis for the addition of new faculty.

The conceptual themes are outlined on pages 1-2. Page 3 contains a list -- beneath the heading of each theme -- of faculty members (current, in recruitment, and suggested as additions) who by virtue of their professional interests and inclinations seem to fit the themes. Pages 4-6 include descriptions and justifications of the proposed faculty additions. Finally, on page 6 are given the three methodological themes, together with current faculty who appear to identify with them. These methodologies acknowledge the unifying nature of common approaches to scientific investigation.

We hope you will spend some time reflecting on this working draft for department direction. Shortly after Spring Break there will be a faculty meeting to consider its implications.

CONCEPTUAL THEMES

GENETICS

Genetics is one subdiscipline of biology that binds all biologists. In our department the research programs of many faculty members and graduate students either focus on genetic questions or otherwise require a working knowledge of genetic principles. Yet within the department there is no formal recognition of genetics as a distinct discipline, except in terms of undergraduate teaching. It would appear logical for this department to recognize genetics as an area where strengths exist, and where strengths could be further developed, at levels of biological organization ranging from molecular to population. The identification of a genetics theme area would provide several specific benefits. First, it would encourage intra-departmental interactions that would ignore current cell-molecular/ecology-evolution boundaries. Second, the strengths of such a program could be increased simultaneously with the strengths of other programs in the department. Third, if so desired, such a program could serve to encourage interactions between the Department of Biology and the UNM Medical School. Finally, the faculty representation required to initiate such a theme group already exists within the department.

POPULATION BIOLOGY

In one sense or another, many of the individuals presently in the department who have interests in ecology or evolution are population biologists. This theme area is strongly represented, in a way that is a bit different from that characterizing many institutions that advertise programs in population biology. These almost always have a strict focus on population genetics/evolution and/or population demography. The particular strength of our program rests on the presence not only of individuals with interests in these aspects of population biology but of individuals pursuing work in behavior, physiological ecology, and community ecology who adopt an explicit focus on populations in their approach. The overall focus is thus more broadly on the biology of natural populations, approached from a variety of complementary perspectives.

ECOLOGY OF SEMI-ARID SYSTEMS

Studies emphasizing semi-arid environments have been conducted for many years at the population, community, and ecosystem levels by UNM biologists. In part, the University's geographical location dictates the logic of such endeavors; however, the general need to understand the functioning of semi-arid regions is clear also because these comprise a large and increasingly exploited portion of the planet's land surface. The current and projected interest by funding agencies in examining such environments within a global context reflects this concern and justifies continued, enhanced, and at times coordinated research by UNM personnel. Joint projects involving colleagues at other institutions (sometimes in other countries) have been and will continue to be carried out.

STRUCTURAL BIOCHEMISTRY AND CELL BIOLOGY

Defining the relationship between structure and function is the goal of scientists working at all levels of biological organization. Within this theme area in our department are united those people working to understand structural organization and its relationship to function at the most basic levels. Techniques of physical chemistry, analytical biochemistry and molecular genetics are applied to generate descriptive understanding of molecular structure. In complementary ways techniques of electron microscopy, immunochemistry and cell culture manipulation are employed to describe the organization and metabolic potential of molecular and cellular structures within living systems. This theme is broadly defined to encompass a number of approaches to understanding cellular function -- approaches which include the diverse methodologies for which our department is now equipped and in which graduate students should gain experience, as well as diverse theoretical models upon which testable hypotheses can be based.

ECOLOGY AND BIOCHEMISTRY OF SYMBIOSIS

Symbiosis, broadly defined, relates to interactions among species. These interactions can take a variety of forms and involve a variety of different mechanisms that can be examined at a variety of different levels. Despite this diversity, examination of symbiotic relationships can be unified about the fundamental similarities in dynamics and concepts of symbiotic systems. Thus, there is a conceptual commonality that brings studies of host-parasite interactions, plant-herbivore interactions, microorganism-plant interrelationships, etc. together. Each of these areas may be investigated at a biochemical level, through physiological studies, or at the scale of inter-individual or interspecific ecological interactions. By combining such diverse areas within this single theme, we foster cross-fertilization of ideas, transfer of technologies, and the development of an identifiable area of focus in our graduate programs.

ORGANISMAL BIOLOGY

Individual organisms remain the fundamental unit of biological function, regardless of advances in sub-organismal or supra-organismal areas. There is a fundamental integrity to organisms that combines structural and functional properties into an integrated entity, and this continues to provide a valuable focus of investigation. Thus, although some aspects of physiology may be profitably investigated at a cellular or molecular level or some aspects of behavior may be explored at the scale of social groups or communities, the perspective gained by coordinated examination of how structure and function interrelate at the level of organisms is critical to an understanding of evolution and selection, and provides an essential framework for interpreting findings at the narrower cellular levels or the broader ecological levels.

CONCEPTUAL THEMES AND POTENTIAL MEMBERSHIP[†]

Genetics	Population Biology	Ecology of Semi-Arid Systems	Structural Biochemistry & Cell Biology	Biology & Biochemistry of Symbiosis	Organism * Biology
Johnson, W.	Crawford	Crawford	Baca	Baca	Altenbac
Kogoma	Findley	Fritts	Barton	Crawford	Bourne
Marshall	Fritts	Gosz	Chiovetti	Duszynski	Crawford
Natvig	Ligon	Johnson, G.	Duszynski	Gosz	Duszynsk
Rice	Marshall	Martin	Kerkof	Kogoma	Fritts
Thornhill	Molles	Scott	Kogoma	Loker	Johnson,
Toolson	Rice	Toolson	Toolson	*Microbial	Loker
Yates	Scott	Wiens	Trujillo	ecologist	Martin
* Non-	Taylor	*Vertebrate	Vogel	*Immuno-	Molles
mammalian	Thornhill	physiological	*Immunobiologist	biologist	Riedesel
eukaryotic	Toolson	ecologist	*Virologist	*Virologist	Scott
geneticist	Wiens	*Microbial	*Developmental	*Biotechnol-	Toolson
*Behav-	Yates	ecologist	membrane	ogist	*Vertebr
loral	*Behavioral		biologist		physiol
geneticist	geneticist		*Biotechnologist		ecologi
*Ecolog-	*Ecological				
ical	geneticist				
geneticist	*Vertebrate				
*Virolo-	physio-				
gist	logical				
*Biotech-	ecologist				
nologist	*Theoretical				
*Theoretical	ecologist				
ecologist					

[†] This list does not include the positions now being filled, i.e., plant community ecologist, plant physiological ecologist, and herpetologist.

* These are potential net new positions that we suggest will round out existing strength in conceptual areas. We stress the need for interactive people.

... SUGGESTED FACULTY ADDITIONS

BIOTECHNOLOGIST

Biotechnology, spurred primarily by the advent of recombinant DNA techniques, is fast becoming an exciting and promising field of biology. It is truly an interdisciplinary field encompassing molecular biology and nuclear engineering. Yet, it is based heavily on biology because it deals primarily with traditionally biological problems in, for example, fermentation, agriculture and medicine. It is expected that the increasing number of practical applications of biotechnology will necessitate careful assessment of its environmental impacts in the immediate future, thus opening up a totally new field of study. One example of the type of biotechnologist who might best fit in the Biology Department is an individual who has expertise in recombinant DNA technology and is interested in applying it to problems of fermentation or plant biology (to avoid a possible conflict with the Medical School). An additional qualification may include strong interest in interacting with ecology groups of the department, with an aim toward developing a Molecular Ecology program. This would build a strong basis for our unique participation in the event that a Biotechnology program develops on the campus in the near future. Finally, this addition will help alleviate a current deficiency in our undergraduate curriculum.

NON-MAMMALIAN EUKARYOTIC GENETICIST WITH EXPERTISE IN RECOMBINANT-DNA TECHNOLOGY

Particularly if Kogoma moves to the Medical School, there will be a gap in the department in terms of expertise in molecular genetics. At least two research programs (those of Natvig and Trujillo and their students) already rely heavily on knowledge, E. coli strain and plasmid accessibility, and resources (literature, equipment, etc.) available in the Kogoma laboratory. In addition, the research programs of several faculty members and/or their graduate students appear to be moving toward molecular-genetic approaches. These may include the programs of Baca and Barton and the research of students of Yates, Duszynski and Loker. An interactive person with the proper qualifications would help to facilitate and encourage the exploration of new methods by others in the department, while at the same time strengthening existing molecular-genetic research. Depending on whether this individual were a plant, yeast or invertebrate biologist, other programs in the department would be complemented as well.

BEHAVIORAL GENETICIST

The behavior of an organism reflects a combination of environmental, ontogenetic, and genetic influences. Our program has emphasized the first of these, and several avenues of investigation have touched on the third. An individual trained in behavioral genetics (i.e., one who examines the inheritance and genetic contributions to behavioral patterning, preferably in natural populations) would contribute substantially to both the Population Biology area and (through expertise in quantitative genetics) to the Genetics program.

ECOLOGICAL GENETICIST

The addition of an individual whose focus is on the coupling of genetic variability to environmental variability is critical to the development of programs in Genetics and Population Biology. Such an individual could be working in any of a number of areas -- genetic responses to extreme environments, genetic changes associated with demographic dynamics of populations, genetic structuring of populations in spatially heterogeneous environments, to name a few -- but would complement especially the work of Marshall, Rice, Taylor, Thornhill, and Toolson.

THEORETICAL POPULATION BIOLOGIST/ECOLOGIST

Much of the theory concerning both evolution and ecology is developed and expressed in mathematical form. To fully understand and appreciate this body of knowledge one must be capable of effectively reading this vast and influential literature. Most empirical biologists lack a sufficient mathematics capability and, as a consequence, set out to test vague notions of what they intuitively grasp to be the essence of the theory. This leads to a considerable waste of effort that is only due to a handicap derived from improper graduate training and/or the unavailability of a suitably trained colleague. One of the major weaknesses of our graduate program is the poor mathematical training that our students receive. Such training could potentially be provided by the mathematics department, but a more suitable framework is mathematical training in a biological context by a broadly trained biologist. Such a biologist would need to be well rounded in his/her biological training and suitably trained in mathematics. The addition of a mathematically oriented theoretician would substantially improve interaction among and between faculty and students, and also provide an educational niche crucial to the proper training of our graduate students. This person could also potentially contribute to the team teaching of a graduate course in Biometry and an undergraduate course in Mathematics for the Life Sciences.

VERTEBRATE PHYSIOLOGICAL ECOLOGIST

A major dimension of interrelationship of organisms to their environments is through physiological functions. Increasingly, critical questions in population and community ecology are coming to the point where resolution requires physiological perspective. This is especially true of vertebrates inhabiting semi-arid environments, where physiological stresses may at times overwhelm other influences on ecology and behavior. An individual whose primary focus is on the forms of physiological adjustments of vertebrates to life in such environments represents a critical need to develop strong, comprehensive programs in both Population Biology and the Ecology of Semi-Arid Systems. Without this expertise, our ability to train graduate students and develop broad programs of interaction among faculty is restricted, especially in the latter program area.

MICROBIAL ECOLOGIST

A microbial ecologist would benefit the research and instructional needs of the department in two areas. First, this person could provide important balance to ongoing studies (in Ecology of Semi-Arid Systems) in which research on below-ground processes involving plant stresses and nutrient cycling tends to be conducted on a scale that precludes details of microbial -- including mycorrhizal -- activity. Addition of a microbial ecologist would rectify this problem and should promote increased integration at the ecosystem level. Second, an interactive microbial ecologist could become a valuable contributor to the theme of Ecology and Biochemistry of Symbiosis. As a consequence, such a person would help to bridge gaps between sub-cellular and cellular reactions and population and ecosystem responses.

IMMUNOBIOLOGIST

Immunology is that broad field of science studying processes of living organisms that show both specificity and memory. The techniques of immunology are being applied to produce reagents and probe questions in all fields of biology, yet we do not offer a laboratory course including these important techniques nor do we have a defined route by which our graduate students can gain experience with them. A new faculty member within this area should have strong expertise in application of immunological techniques to biological problems at both the cellular and molecular level, including raising and characterizing monoclonal antibodies. The specific research problem being addressed might include functional aspects of the immune system, the evolution of immune recognition systems or use of immune recognition in taxonomy. The specific research area is not as important as an acknowledged desire to carry out this work in the atmosphere of a general biology department as opposed to that in a school of medicine. Such a person could contribute valuable expertise to people working in the areas of Structural Biochemistry and Cell Biology and, depending upon specific research area, might be included in that group and/or in Genetics or Symbiosis.

VIROLOGIST

The addition of a faculty member trained as a virologist would fill a recognized gap in our graduate and undergraduate teaching program by offering courses and expertise concerning an entire realm of the living world that is not represented in our department and that is present to only a limited extent anywhere else on campus. Regardless of specific research interest, this person would bring a new perspective concerning both macromolecular assembly and pathology. It is anticipated that this person would also be experienced in the use of modern recombinant DNA methodology. In terms of research and graduate teaching, such a new faculty member could interact productively within one or perhaps several of the theme areas suggested; i.e., Structural Biochemistry, Symbiosis and/or Genetics.

DEVELOPMENTAL MEMBRANE BIOLOGIST

At the moment our department does not have a research program in which the events of early embryonic development are being investigated, even though there are few subjects that can bring more excitement and wonder to a biology class than direct observation of developmental processes. What are the cues that trigger the growth, cell migration and patterning that is seen? Although invertebrate embryos are particularly suited for such studies because they can be readily obtained and the developmental patterns of cellular movements are easily visualized, certain vertebrate or plant embryonic material would be equally suitable for such investigation. Biochemical analysis and localization of specific membrane components, both morphologically and temporally, during the early events of cellular adhesion and migration, is a growing field in modern biology and one in which both immunological and molecular techniques are making great contributions. A faculty member carrying out research in this area would interact productively within the theme area of Structural Biochemistry and Cell Biology and would also complement existing programs related to gene expression. In addition, this person would add a unique view of living systems to the milieu of a department of biology.

METHODOLOGICAL THEMES WITH PRESENT MEMBERSHIP

Immunological Techniques	Molecular Biological Techniques	Biogeochemical Techniques
Baca Chiovetti Duszynski Kerkof Loker Vogel	Baca Barton Kerkof Kogoma Natvig Trujillo Yates	Barton Dahm Gosz Johnson, G.

THE UNIVERSITY OF NEW MEXICO

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DATE: April 9, 1987

TO: Bill Richards, Accounting Director, Scholes 253A

FROM: Jim Findley, Director, Museum of Southwestern Biology

SUBJECT: Evaluation of Collections

Information received from the several Curators indicate the following numbers and evaluations for biological specimens held in the Museum of Southwestern Biology.

<u>Museum Division</u>	<u>Number of Specimens or Lots</u>	<u>Value</u>
Herbarium	116,942	\$2,316,539
Fishes	4,600 (lots)	510,600
Birds	(not available)	122,500
Mammals	60,000	3,000,000
Herpetology	48,500	1,500,000
Insects	10,000	15,000
		<u>\$7,464,639</u>

The varying values per specimen (1.50-50.00) has to do with varying preparation and curation costs, as well as what it would take to replace the specimens. Of course, much of the material is not replaceable because many of the organisms no longer occur where they did formerly or represent evolutionary lineages which have changed in the years since the collections were made.

xc: M.S.B. Curators

- Herbarium: Prof. Bill Martin
- Herpetology: Prof. Howard Snell
- Ichthyology: Prof. Manuel Molles
- Mammalogy: Prof. Terry Yates
- Ornithology: Prof. Dave Ligon
- Invertebrates: Prof. Cliff Crawford
- Biology Chairman
- Prof. Don Duszynski

A Report on the Herbarium and Museum of Botany

1986-87

--W. C. Martin

The Herbarium and Museum of Botany is active at all levels of museum function, research, teaching, and public relations.

I. Log of visitors. Visitors to the Herbarium, as reflected by the entries in the log book, totalled 254, an increase of about 30% over the number of the previous year. There were many other visitors not recorded in the log book, such as participants of tour groups from university and APS classes. Most visitors came to us for professional reasons and the majority were from various institutions and agencies. It is apparent that the usage of the Herbarium and Museum of Botany is continually increasing, but in terms of staff available for visitors, we have about reached the saturation point.

II. Loans, etc. A major function of any herbarium is that of providing loans to other institutions. At any one time we tend to have about 10 loans outstanding, primarily to the curators of other institutions for long-term floristic or monographic studies, usually in Canada, the United States, and Mexico. Our loans vary in size from 10-15 sheets to as many as 500 or more. This activity alone requires a considerable output of time by the herbarium technicians in loan preparation and shipment and in the recuration of those returned.

Loans sent out--10.

Loans returned--8.

Collections borrowed for our studies--14 (about 2500 specimens).

All loans sent or received involve a significant amount of paper-work.

III. Gifts. Although we do not solicit gifts, we regularly accept them if applicable to our needs and goals.

Gifts received--

1. Several small collections were received from other curators; these were primarily of new range extensions or newly described taxa.
2. One large collection of ethnobotanical materials was received.

IV. Museum staff activities. These activities relate to meetings attended and papers presented.

- W. C. Martin--Five seminars (invited seminars) were presented to various organization, including the Native Plant Society, Master Gardener's Program, and State Garden Club short course. Also presented were several talks to local groups.
- E. DeBruin--Attended International Symposium of Plant Systematics at Rancho Santa Ana Botanical Garden in Pomona, California.
Presented a paper on the floristic affinities of the malpais region of northwestern New Mexico at the Regional AAAS meeting at Austin, Texas.
- P. Barlow--Was accepted as a Museum Intern at the Smithsonian Institution and spent 3 weeks in study in the Herbarium of that institution.

V. Collaborative activities. We have a very active program in association with a number of other agencies and institutions. Some of these collaborative activities are very extensive and tend to enhance the position of the Herbarium.

1. New Mexico Museum of Natural History.
2. Soil Conservation Service.
3. Bureau of Land Management.
4. Bureau of Reclamation.
5. Nature Conservancy.
6. Museum of Natural History of Los Angeles County.
7. Navaho Nation Natural Resources Department.
8. USDA Forest Service.
9. Bishop Museum.
10. New Mexico State Bureau of Natural Resources.

VI. Sponsoring activity.

1. Two Forest Service field taxonomy workshops, 1 week each.
2. Forest Service field foray, Carson Natl. Forest.

VII. Accessioning activities. Most of our work last year involved reidentification and repair of previously curated specimens and identification of previously unidentified specimens.

- Specimens accessioned--1,050 flowering plants.
Repairs to existing specimens--5000 plants of all types.
Recuration--2,800 specimens.

VIII. Public and University service.

1. Participated in two symposia.
International Ethnobotanical Conference.
International Iron Symposium.
2. A major part of our activity is in answering questions, providing advice, identifying specimens, giving talks, etc.
Phone calls--900.
Tour groups--5.

IX. Research Associate program. As has been our policy for a few years, we have augmented the museum staff by selecting certain individuals as Research Associates and Herbarium Affiliates. These professional people are valuable adjuncts to our overall research program. These number 8 in all and include Karen Clary, Molly Toll, Glenna Dean, Ann Cully, Reggie Fletcher, Paul Knight, Margaret Caffey, and Bob Hutchins. Two of these hold Ph.D.s, the rest have M.S. degrees.

X. Current projects.

1. Fall Wild Flowers of New Mexico.
2. Floristic Affinities of the Malpais/Sandstone areas near Grants, New Mexico.
3. Monographic Studies of the Genus Cirsium.

THE UNIVERSITY OF NEW MEXICO

DATE: 8 May, 1987

TO: Dr. Howard L. Snell, Curator

FROM: Adam Asquith, Assistant Curator

SUBJECT: Museum utilization for 1986

We made 20 loans involving 272 specimens

We made 3 exchanges involving 59 specimens

Made 1 gift involving 8 specimens

We had 7 shipments involving 72 specimens returned to us

We returned 8 loans made to us involving 61 specimens

We borrowed 3 loans from other museums involving 3 specimens

We made 26 accessions of collected material and cataloged ~~and~~ 1773 specimens

The museum had at least 4 visitors not including:

Charley Painter = approximately 24 times

Charles Bogert = approximately 6 times

We conducted at least 15 public educational tours of the museum and answered at least 25 public inquiries by telephone.

Date: 24 July, 1987

To: Donald Duszynski, Chairman, Department of Biology

From: Manuel Molles, Curator of Fishes

Subject: Activities of the Fish Museum for 1986-1987

Many of the activities in the Fish Museum during the past year involved intense maintenance aimed at correcting the results of some neglect of the museum during my sabbatical leave during 1985-1986. This maintenance involved reorganization of lots on shelves, dusting of all jars, replacement of alcohol, changing of plastic bags holding large specimens in crocks, and improving the sealing system for both bagged specimens and specimens in jars to reduce alcohol loss by evaporation. I am pleased to report that the museum is now in excellent shape.

In addition, there have been several nonroutine accomplishments during the past year, including:

- 1) The museum program has included the activities of two visiting research personnel, Kevin Bestgen and Steven Platania, who are employed by the New Mexico Department of Game and Fish. During this year Kevin and Steve have conducted intensive surveys of the fish faunas of the Rio Grande and of the Pecos River and have explored the fauna of several other waters, throughout the state. This work has resulted in the collection of several thousand fish specimens that will be incorporated into the museum during 1987-1988 and the rediscovery of the Colorado River Squawfish in the San Juan River, which was thought to be extinct in New Mexico. Kevin and Steve have also helped with the improvement of the Fish Museum in many other ways.
- 2) Four hundred and thirty three lots of fishes containing 21,548 specimens collected in the late 1970's have been verified as to identification and have been cataloged into the collection. In addition, 46 new lots containing 2,199 recently collected specimens (collected by Kevin and Steve) have been cataloged into the collection. As a consequence, during 1986-1987 the cataloged holdings of the Fish Museum have been increased by approximately 12-15%.
- 3) I have assisted Nancy Aikens on contract with the New Mexico Museum of Anthropology (State Museum?) by identifying fish bones from New Mexico archeological sites dated at approximately 1200 A.D. For these identifications, I used the exceptional fish osteological collection developed by W. J. Koster. This recent work has added substantially to our knowledge of the prehistoric fish fauna of New Mexico.

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4) We have begun to computerize the holdings of the Fish Museum, using the system developed by the mammal museum. This process is proceeding rapidly.

5) I received a contract (\$4570) from the Share with Wildlife program of the New Mexico Department of Game and Fish to study the biomechanics, behavior, and distributions of Tiaroga cobitis and Rhinichthys osculus in the Gila River. I also submitted two additional research proposals to the Share With Wildlife program, one with Astrid Kodric-Brown (\$8240) that was not funded and a second (\$8840), now pending, for work to be done in cooperation with Kevin Bestgen on interactions between native fishes and native and exotic predators.

THE UNIVERSITY OF NEW MEXICO

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DATE: July 27, 1987

TO: Don Duszynski
FROM: Cliff Crawford *Cliff*
SUBJECT: Insect Collections: Annual Report of Activities

The 1986-87 Academic Year was fairly typical in regard to our Collection activities. Here's a summary:

- 1) Normal curating of our approximately 10,000 specimens was carried out ably as usual by Assistant Curator Bill Kuipers. New specimens come in continuously from various sources and must be curated as they arrive.
- 2) Contact with colleagues at other institutions regarding identifications was also made routinely. Institutions include the University of California (Berkeley), Ohio State University, New Mexico State University, University of Arizona, Radford University (Virginia), North Carolina State Museum of Natural History, Utah State University, and McGill University.
- 3) Shipments (sometimes in the form of loans) of specimens for identification went to five of the above institutions. Dr. William MacKay, now at Texas A&M, made a major contribution by identifying over 50 local and regional species of ants.
- 4) We don't record unannounced visitors, although there are many. Bill Kuipers gave scheduled educational "tours" to about 25 small groups. On an unscheduled basis, both Bill and I showed many persons our holdings.
- 5) The Collection gets about one call a day regarding insects. Bill handles most of these. He also went on two local TV news programs to explain aspects of insect biology.

ANNUAL REPORT - JULY 1, 1986 TO JUNE 30, 1987
 DIVISION OF MAMMALS
 MUSEUM OF SOUTHWESTERN BIOLOGY (MSB)
 DEPARTMENT OF BIOLOGY
 UNIVERSITY OF NEW MEXICO
 ALBUQUERQUE, NM 87131

NUMBER OF VISITORS

The museum hosted 553 people who used the collection for a total of 174 days. These included 306 professional biologists from outside the Biology Department and school groups, educators, artists, and members of the community.

NUMBER OF LOANS

The mammal collection processed 43 outgoing loans, including 7 loans of frozen tissues for use in electrophoretic or DNA studies, 4 loans of karyotype slides, and 4 loans of bacula. We also handled 18 incoming loans.

NUMBER OF ACCESSIONS

The museum accessioned 32 groups of specimens.

NUMBER OF SPECIMENS CATALOGED

1235 specimens were cataloged into the main mammal collection (MSB 56412-57647) and 20 specimens were added to the mammal teaching collection (MTC 438-457).

UNIVERSITY COURSES USING THE COLLECTION

The museum assisted 5 Biology Department classes with loans of specimens from our teaching collection or through use of the collection in the Museum:

Biology 121	Principles of biology	1 loan
Biology 122	Principles of biology	4 loans
Biology 386	General vertebrate zoology	1 loan
Biology 489	Mammalogy	16 loans
Biology 490	Principals of systematics	

PUBLIC SERVICE

The Museum hosted 19 groups of public school children as well as gave numerous tours to interested "drop-ins". The Museum also answered 10 to 15 phone inquiries each week. Community members often called or dropped in and inquired about the identity of items they found around the state. The Division of Mammals also aided the other Divisions of MSB by coordinating tours and directing activities. We are a research museum, but welcome public interest and participation.

INFORMATION DISSEMINATION

The Museum supported 11 Ph. D. dissertations and M. S. theses, 23 grants, 23 papers published, 19 papers in press, 26 papers presented at scientific meetings, and 12 papers submitted as manuscript. The Museum series, Occasional Papers, The Museum of Southwestern Biology No. 4, "The Mammals of the Animas Mountains and Adjacent Areas, Hildago County, New Mexico", by Joseph A. Cook was also published.

MISCELLANEOUS

The Museum of Southwestern Biology also had a year of new beginnings and international attention. MSB began the Library of Natural Sounds in May. The 60,000 specimen mammal collection became fully computer operational (April) on a database management system running on the Museums own PCs. Most impressively for the year was hosting the 67th Annual meeting of the American Society of Mammalogists in June by MSB. This five day meeting drew an international crowd of nearly 700 professional biologists. MSB and the University attracted one of this societys largest annual meetings, despite competition of two other annual meetings occurring in other places in the nation (Evolution Society and American Society of Naturalists).

 THE UNIVERSITY OF NEW MEXICO

DATE: July 29, 1987

To: Don Duszynski

FROM: Bird Museum

SUBJECT: 1987 Annual Report

1. 72 visitors plus 12 groups consisting of 239 children and adults.
2. Loans transacted: 23; mostly to local artists and Biology 122 labs.
3. Accessions: 242 specimens catalogued.
4. Current Projects: 1) NSF sponsored research on sexual selection ; 2) 1 thesis and 1 dissertation.
5. Queries from public: 50 or more phone calls.
6. Museum used regularly by graduate students from the Anthropology Department, students in Human Systems Research. Most visitors are children on field trips. Informal course use by Rio Grande Nature Center Banding Organization.
7. Exchange program with the University of Seattle.

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CASTETTER LABORATORY FOR ETHNOBOTANICAL STUDIES
ANNUAL REPORT: FY 1986 - 1987

Lab Personnel:

- Mollie S. Toll, Staff
- Karen H. Clary, Staff
- Wendy Slim-Meyers, Student Lab Technician (1/2 time)
- Glenna Dean, Research Associate
- Anne C. Cully, Research Affiliate (N.M. Dept. of Natural Resources)
- Paul J. Knight, Research Affiliate (N.M. Dept. of Natural Resources)

Professional Activities of Lab Personnel:

Mollie S. Toll:

1. Attended 10th Annual Ethnobiology Conference, Gainesville, Florida, March 5 - 8, 1987.
2. Named to Editorial Board, Journal of Ethnobiology, March 1987.
3. See Castetter Laboratory for Ethnobotanical Studies, Technical Series, for list of completed research reports.

Karen H. Clary:

1. Taught "Women in Science," Biol 402/502, Spring 1987, with Marlene Zuk and Kristine Johnson.
2. See Castetter Laboratory for Ethnobotanical Studies, Technical Series, for list of completed research reports.
3. Publications (Invited Contributions) in Progress:
 - a). Prehistoric Subsistence in the Zuni River Valley. With Barbara Hildebrandt (University of Washington), Patricia Ruppe' (Texas A & M University) and Jerome Zuni (Zuni Archaeological Project). In "Zuni Through Time; Perspectives on Society, Land Use and Technology," Edited by Robert D. Leonard and Roger Anyon, Smithsonian Institution Press.
 - b). An Analysis of Pollen from Archaeological Sites, the Proyecto Prehistorico Arenal, Northern Costa Rica: Evidence for Environment and Subsistence Activities. In "Proyecto Prehistorico Arenal, Costa Rica," edited by Payson Sheets, University of Texas Press.

Anne C. Cully:

1. Attended workshop on the evaluation, propagation and cultivation of arid land plants, Desert Botanical Garden, Phoenix, Arizona.
2. Conducted a pollen study of Late Pleistocene Fossil Beds in the vicinity of Albuquerque International Airport.

3. Conducted pollen studies of Sclerocactus mesa-verdae, a threatened New Mexican plant species.

Anne C. Cully and Paul J. Knight:

1. Cully, A.C., D. House, P.J. Knight, S.L. O'Kane and M. Olwell. Gathering baseline data on Sclerocactus mesa-verdae, a threatened cactus species in New Mexico and Colorado. Paper presented at The Rare and Endangered Plants Conference, Meeting of the California Native Plant Society, Sacramento, California, November, 1986.
2. Olwell, M., A.C. Cully and P.J. Knight. Recovery efforts of Pediocactus knowltonii (same conference).

Other Research Projects in Progress, Castetter Laboratory for Ethnobotanical Studies:

1. Analysis of 24 human and canid coprolites from Bighorn Sheep Ruin, Canyonlands National Park, Utah. National Park Service.
2. Archaeobotanical analyses from archaeological sites near Belen, on the Rio Grande, from Zuni, and from Chaco Canyon, N.M.
3. Vegetation analyses from gravel terraces along the Rio Chama that supported prehistoric Anasazi agricultural fields; from the GBFEL-TIE area, White Sands Missile Range, and from the Oak Wash Project Area, Zuni, New Mexico.
4. In conjunction with the Department of Anthropology, UNM:
 1. Archaeobotanical studies from corn storage features from the Puuc Region, Yucatan, New Mexico.
 2. Archaeobotanical studies from a cave originating in the Late Pleistocene (ca. 25,000 ya) to the present era, Gunnison Colorado.

- 1986 #168. Toll, Mollie S. Flotation analysis of a dune hearth, site HSR 8508-5 (White Sands Missile Range, Border Star Survey Area). Ms. on file, Human Systems Research, Tularosa, New Mexico. Karl W. Laumbach, Project Director. 4 pp. July 23, 1986.
- #169. Clary, Karen H. An analysis of pollen from historic features from AZ:K:6:11 Hubbell Trading Post National Historic site in Ganado, Arizona. Ms. on file, Branch of Cultural Research, National Park Service, Southwest Region, Santa Fe, 34 pp. July 29, 1986.
- #170. Toll, Mollie S. Flotation analysis of a hearth from the King Ranch site (LA 26764), near Roswell, New Mexico. Ms. on file, Museum of New Mexico, Laboratory of Anthropology, Santa Fe. Regge N. Wiseman, Project Director. 4 pp. July 30, 1986.
- #171. Toll, Mollie S. Flotation analysis of eroded 15th - 16th century structures at the Sand Dune Site (AZ K:6:11), Hubbell Trading Post, Ganado, Arizona. Ms. on file, National Park Service, Santa Fe. Jim Bradford, Project Supervisor. 10 pp. August 6, 1986.
- #172. Clary, Karen H. An analysis of pollen from Abiquiu Reservoir sites (LA 51698, LA 27020), New Mexico. Ms. on file, Mariah Associates, Albuquerque, New Mexico. Jack Bertram, Project Director. 4 pp. September 8, 1986.
- #173. Clary, Karen H. An analysis of pollen from archaeological sites, the Proyecto Prehistorico Arenal, Northern Costa Rica: evidence for environment and subsistence activities. Ms. on file, Proyecto Prehistorico Arenal, Dept. of Anthropology, University of Colorado, Boulder. Dr. P.D. Sheets, Project Director. 20 pp. September 26, 1986.
- #174. Toll, Mollie S. Flotation analysis of two sites on White Sands Missile Range, southern New Mexico. Ms. on file, Human Systems Research, Tularosa, New Mexico. Karl Laumbach, Project Director. 14 pp. October 1, 1986.
- #175. Clary, Karen H. An analysis of pollen from Core 2, from the Nacacolo Archaeological Area, on the Nicoya Peninsula, Northwestern Costa Rica. Ms. on file, the University Museum of Archaeology/Anthropology, University of Pennsylvania, Philadelphia, Pennsylvania. John Lawrence, Project Director. 21 pp. November 4, 1986.
- #176. Toll, Mollie S. Flotation analysis at two multicomponent sites overlooking the Chama River Valley, near Abiquiu, New Mexico. Ms. on file, Mariah Associates, Albuquerque, New Mexico. Jack Bertram, Project Director. 8 pp. October 27, 1986.
- #177. Toll, Mollie S. Flotation analysis of a late Pueblo III site (LA 54844), near Quemado, New Mexico. Ms. on file, Laboratory of Anthropology, Museum of New Mexico, Santa Fe, New Mexico. Richard Sullivan, Project Director. 3 pp. November 7, 1986.

#178. Clary, Karen H. An analysis of pollen from an Anasazi period midden at AZ-T-8-23, near Teec Nos Pos wash, Northeastern Arizona. Ms. on file, Navajo Nation Cultural Resource Management Program, Farmington, New Mexico. Larry Vogler, Project Director. 7 pp. November 13, 1986.

#179. Toll, Mollie S. Paleobotanical materials from Anasazi and historic Spanish farming sites on the Rio Chama Valley. Ms. on file, Museum of New Mexico, Laboratory of Anthropology. Kurt Anscheutz, Project Director. 21 pp. November 17, 1986.

#180. Clary, Karen H. An analysis of eight pollen samples of Pueblo III to Historic Period temporal affiliations from the vicinity of Pescado Village on the Zuni Reservation, New Mexico. Ms. on file, Zuni Archaeological Project, P.O. Box 339, Pueblo of Zuni, New Mexico. 23 pp. November 24, 1986.

#181. Toll, Mollie S. Floral evidence for subsistence practices at the Piro Pueblo of Qualacu (LA 757). Ms. on file, Office of Contract Archeology, University of New Mexico. Michael P. Marshall, Project Director. 18 pp. December 17, 1986.

#182. Clary, Karen H. An analysis of pollen from suspected agricultural soils in the vicinity of the Zia and Santa Ana Pueblos of the Middle Rio Grande, New Mexico. Ms. on file, Dr. Florence H. Ellis, 1666 Cerro Gordo, Santa Fe, New Mexico. 10 pp. December 22, 1986.

#183. Clary, Karen H. An analysis of pollen from a late Anasazi period archaeological site (No. 558), the Holly Group, Hovenweep National Monument, Colorado and Altab. Ms. on file, Nickens and Associates, P.O. Box 727, Montrose, Colorado 81402. Dr. Paul R. Nickens, Principal Investigator. 16 pp. December 22, 1986.

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#184. Clary, Karen H. Pollen evidence for subsistence and environment at the Piro Pueblo of Qualacu (LA 757), a Late Prehistoric-Early Colonial Period Site, Bosque del Apache Wildlife Refuge, New Mexico. Ms. on file, Office of Contract Archaeology, University of New Mexico, Albuquerque. 10 pp. January 12, 1987.

#185. Clary, Karen H. An analysis of pollen from EA-54147, a Late 16th Century Spanish/Puebloan Period Contact Site in the Middle Rio Grande Area, near Rio Rancho, New Mexico. Ms. on file, The Laboratory of Anthropology, Museum of New Mexico, Santa Fe. Bradley J. Vierra, Project Director. 19 pp. Feb. 3, 1987.

#186. Toll, Mollie S. Paleofloral materials at a 16th century encampment (LA 54147) west of Bernalillo, NM. Ms. on file, Laboratory of Anthropology, University of New Mexico, Santa Fe. Bradley J. Vierra, Project Director. 29 pp. February 14, 1987.

#187. Toll, Mollie S. Flotation and macrobotanical remains from the Bear Canyon Site in the foothills of the Sandia Mountains. Ms. on file, Office of Contract Archeology, University of New Mexico, Albuquerque. Matthew Schmader, Project Director. 12 pp. February 27, 1987.

- #188. Toll, Mollie S. Ceramic period subsistence adaptations near Cimarron, New Mexico. Ms. on file, Laboratory of Anthropology, Museum of New Mexico, Santa Fe. Regge Wiseman, Project Director. 15 pp. March 13, 1987.
- #189. Toll, Mollie S. Botanical materials from LA 49852 in Bancos Canyon, northern New Mexico. J.R. Gomolak, Project Director. Ms. on file, Jicarilla Archeological Services, Aztec, N.M. 6 pp. March 13, 1987.
- #190. Clary, Karen H. An analysis of pollen from a suspected agricultural terrace from the vicinity of LA 52320, a late Coalition Period (A.D. 1275-1325) archaeological site, the Pajarito Plateau, New Mexico. Ms. on file, Pajarito Field House Project, Archaeology Program, U.C.L.A., Los Angeles. Robert Preucel, Project Director. 7pp. April 23, 1987.
- #191. Toll, Mollie S. Flotation and charcoal analyses from two small sites (LA 54385 & 54388) near Carlsbad, southeastern New Mexico. Ms. on file, Mariah Associates, Albuquerque. 5 pp. April 20, 1987.
- #192. Toll, Mollie S. Charcoal from LA 5787, near Silver City, NM. Ms. on file, Laboratory of Anthropology, Museum of New Mexico, Santa Fe. Jim Moore, Project Director. 2 pp. April 23, 1987.
- #193. Clary, Karen H. An analysis of four pollen samples from the ruins of Thunderbird Ranch, an early 20th Century structure in Canyon de Chelly National Monument, Arizona. Ms. on file, National Park Service, Southwest Region, Santa Fe, NM. Peter McKenna, Project Director. 9 pp. April 29, 1987.
- #194. Toll, Mollie S. Botanical materials from four sites west of Las Cruces, NM: HSR 8607. Ms. on file, Human Systems Research, Tularosa, NM. Karl Laumbach, Project Director. 7 pp. April 30, 1987.
- #195. Clary, Karen H. An analysis of two pollen samples from archaeological testing at LA 54844, along State Road 36 near Quemado, New Mexico. Ms. on file, Laboratory of Anthropology, Museum of New Mexico, Santa Fe. Richard Sullivan, Project Director. 6 pp. April 30, 1987.
- #196. Toll, Mollie S. Flotation, macrobotanical remains, and charcoal from a small Pueblo III site: LA 15260, the Coors Road site. Ms. on file, Laboratory of Anthropology, Museum of New Mexico, Santa Fe. Richard Sullivan, Project Director. 17 pp. May 25, 1987.
- #197. Claren, Karen H. An analysis of pollen from pit structures at LA 15260, a late 12th Century Anasazi Period agricultural site along the Rio Grande, Albuquerque, New Mexico. Ms. on file, Laboratory of Anthropology, Museum of New Mexico, Santa Fe. Richard Sullivan, Project Director. 16 pp. May 27, 1987.

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- #198. Clary, Karen H. Pollen evidence for the agricultural utilization of Late Classic Period (A.D. 1350-1500) Puebloan gravel mulch terrace gardens, the Rio Chama, in the vicinity of Medanales, New Mexico. Ms. on file, Laboratory of Anthropology, Museum of New Mexico, Santa Fe. Tim Maxwell and Kurt Anschuetz, Project Directors. 22 pp. May 28, 1987.
- #199. Toll, Mollie S. Flotation analysis of trash deposits at Kuaua Pueblo (LA 187), Bernalillo, NM. Ms. on file, Laboratory of Anthropology, Museum of New Mexico, Santa Fe. Brad Vierra, Project Director. 6 pp. June 1, 1987.
- #200. Toll, Mollie S. Botanical materials from an early 20th c. guest ranch in Canyon de Chelly, Arizona. Ms. on file, National Park Service, Division of Cultural Research, Santa Fe. Peter McKenna, Project Director. 11 pp. June 19, 1987.
- #201. Clary, Karen H. An analysis of pollen from Anasazi Period mealing bins from Room 110, Pueblo Alto (29SJ389), Chaco Canyon, New Mexico. Ms. on file, National Park Service, Division of Cultural Research, Santa Fe. Tom Windes, Project Director. 10 pp. June 29, 1987.
- #202. Toll, Mollie S. Flotation from MA235G-1 (41EP2611), a multicomponent campsite near El Paso, Texas. Ms. on file, Mariah Associates, Albuquerque. Amy C. Earls, Project Director. 8 pp. June 29, 1987.

Annual Report, 1986-87
Electron Microscopy Facility

The Electron Microscopy Facility has continued to develop its missions of teaching, research and service during the 1986-87 period. Much of this progress has been made possible by the donation of a scanning electron microscope to the Facility from the EM Laboratory in the School of Medicine. This donation has made it possible for our laboratory to be a full-service electron microscopy facility, and to provide the needed support for the Department of Biology's faculty, graduate students and research personnel. In addition, we have begun to accumulate a list of outside users who now reimburse the Department of Biology for usage of the electron microscopes and associated equipment. These outside users have generated approximately \$4,000 in funds which have been collected by the Department of Biology.

Donation of ETEC Autoscan Scanning Electron Microscope

As mentioned in our last Annual Report, the Department of Biology was approached about taking possession of a scanning electron microscope from the EM Laboratory in the School of Medicine; this microscope (ETEC Autoscan) has since been moved from the School of Medicine and is now installed in our facility. The microscope is fully functional and is used quite heavily by departmental personnel and by outside users.

Hiring of Half-time Electron Microscopy Technologist

We are also pleased to announce that we have secured the services of Ms. Angela Welford as a departmental electron microscopy technologist. Ms. Welford comes to us from the University of Michigan Medical School. She is superbly qualified to assist all investigators; Angela has 15 years' experience in electron microscopy, and she is a certified technologist through the Electron Microscopy Society of America's certification program.

Teaching Activities

The electron microscopy curriculum consists of two courses, Biol 547 Transmission Electron Microscopy and Biol 548 Scanning Electron Microscopy. In addition, Biol 290 Biological Laboratory Techniques (Histotechniques) is also administered through the EM Facility. Both of the EM courses continue to be filled at least one year in advance, and the Histotechniques course is now at maximum capacity

(10 students). The student population for these courses continues to reflect a wide variety of students; this year's students came from not only the Department of Biology, but also from Lovelace Research Foundation, The Office of the Medical Investigator, Department of Emergency Medicine, Department of Cell Biology, Department of Anthropology, and a veterinarian who is in private practice.

Next year's students will include graduate students from the Departments of Biology and Pathology as well as the Special Diagnostics Laboratory in the Cancer Center and a veterinary pathologist in private practice.

In addition to this teaching load, Dr. Chiovetti participated in a new course, Medical Sciences 579 (Graduate Microscopy) which was offered through the School of Medicine. This is a team-taught course; Dr. Chiovetti gave the scanning EM (with Dr. R. Waterman) and the transmission EM (with Dr. L. McGuffee) blocs of this course.

Research Activities

In addition to our main research interests in specimen preparation techniques (low-temperature techniques) for biological electron microscopy, the laboratory is now participating with two other laboratories in new research endeavors.

Dr. Chiovetti (as Co-Principal Investigator) is collaborating with Dr. B. L. Bergquist (University of Northern Iowa) on protozoan models as alternatives to whole-animal testing; a research proposal is pending with the Johns Hopkins University Center for Alternatives to Animal Studies. Also, a major proposal is pending with the National Cancer Institute (Dr. Chiovetti is a Co-Investigator) to investigate molecular markers for human colorectal cancer. This second area is being investigated with Dr. Cecilia Fenoglio-Preiser, M.D., Chief of Laboratory Services at the Veterans Administration Medical Center in Albuquerque.

During the past year Dr. Chiovetti has given three invited presentations to describe low-temperature techniques which were developed in the Biology Department's EM Facility, and he has also participated as a faculty member in a cryotechniques mini-course which was given at the University of California-Berkeley. An invited presentation from 1985 has been published (1), and an invited manuscript from 1986 has been published (2).

Service

Service continues to be a major function of the EM Facility; during the past year we have assisted four departmental faculty and three extradepartmental faculty (Departments of Chemistry, Cell Biology and Pharmacology) in their researchs efforts. We have also provided support for four departmental graduate students and three graduate students in other departments (Chemistry, Cell Biology and Anatomy).

In addition, we have collected approximately \$4,000 from users' fees which were paid by departmental and extra-departmental users during 1986-87. The major outside users are the Lovelace Medical Foundation and the Department of Pathology (processing of tissues for EM from surgical biopsies and autopsy specimens). Other outside users include the State Health Laboratories (morphology of a new rabies isolate), Rocky Mountain Sciences (general scanning EM support), Sandia National Laboratories and Departments of Chemistry and Cell Biology (scanning tunneling electron microscopy) and the Department of Chemistry (differential polarization light microscopy of skeletal muscle).

The EM Facility also hosted an Inservice Education day for Albuquerque Public Schools science teachers and laboratory tours for Sandia Preparatory School and The Albuquerque Academy. Dr. Chiovetti also gave a presentation on "Biology at UNM" for the MESA (Math, Engineering and Science Achievement) Program.

REFERENCES

1. Chiovetti, R., Little, S.A., Brass-Dale, J. and McGuffee, L.J. 1986. A new technique for low-temperature embedding: Quick freezing, freeze-drying and direct infiltration in Lowicryl K4M. In: Mueller, M., Becker, R.P., Boyde, A. and Wolosewick, J.J. (eds.), The Science of Biological Specimen Preparation for Microscopy and Microanalysis. SEM, Inc., AMF-O'Hare, IL 60666, pp. 155-164.
2. Chiovetti, R., McGuffee, L.J., Little, S.A., Wheeler-Clark, E. and Brass-Dale, J. 1987. Combined quick freezing, freeze-drying and embedding tissue at low temperature and in low viscosity resins. J. Electron Microsc. Tech., 5: 1-15.

memorandum

DATE: 28 July 1987

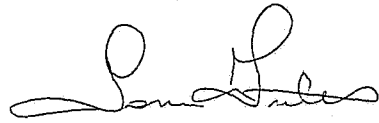
REPLY TO
ATTN OF: Tom Fritts

SUBJECT: Departmental Annual Report, 1986-87

TO: Don Duszynski

Attached please find our contribution to the subject report. Please note that we have not included bibliographic information for Howard Snell but that we did include a brief statement on activities of the MSB Herpetology Division and presentations, international field work, etc. of graduate students.

I will be out of town for the next couple of weeks; should you have any questions, please contact Norm or Rayann.



cc: J.L. Oldemeyer

ANNUAL REPORT 1986-87

National Ecology Center, U.S. Fish and Wildlife Service
Museum of Southwestern BiologyCommittees

Dr. Thomas H. Fritts served as a Councilor for the Charles Darwin Foundation

Dr. Fritts served as Herpetological Consultant to the Galapagos National Park Service, Ecuador

Dr. Fritts served as a Consultant to the Hawaiian Marine Turtle Recovery Team, National Marine Fisheries Service

Dr. Fritts served as Chair of the Committee for Grants-in-Herpetology, Society for the Study of Amphibians and Reptiles

Dr. Fritts served as a Member, Tortoise Specialist Group, International Union for Conservation of Nature

Dr. Fritts served on the Governor of Guam's Task Force on Control of the Brown Tree Snake in the Pacific

Dr. Norman J. Scott, Jr. served as President of the Society for the Study of Amphibians and Reptiles

Dr. Scott served as a Research Associate at the Los Angeles County Museum of Natural History

Dr. Scott served as a Member of the U.S. Fish and Wildlife Region 2 Herpetological Recovery Team

Dr. Scott served as a Director of the New Mexico Natural History Institute

Dr. Fritts and Dr. Scott served as Members of the University of New Mexico, Department of Biology, Liaison Committee with the Latin American Institute

Dr. Fritts and Dr. Scott served as Research Associates, Department of Vertebrate Zoology, Smithsonian Institution

Grants

Project funded by the Endangered Species Program, U.S. Fish and Wildlife Service, The ecology and control of the brown tree snake, Boiga irregularis, in Guam and Other Pacific Islands, \$20,700, T.H. Fritts, Principal Investigator

Project funded by the Office of Territorial and International Affairs, U.S. Department of the Interior, Study of the brown tree snake on Guam to determine methods of reducing snake-caused power outages, \$42,000, T.H. Fritts, Principal Investigator

Project funded by the U.S. Air Force, Control and containment of the brown tree snake, \$35,000, T.H. Fritts, Principal Investigator

Symposium funded by the Tinker Foundation, The status of research and management of Galapagos reptiles, \$50,000, H.L. Snell and T.H. Fritts, Co-Principal Investigators

Project funded by the International Union for the Conservation of Nature, The Caiman of Paraguay, \$25,000, N.J. Scott, Principal Investigator

Project funded by the U.S. Forest Service, Endemic Salamanders of New Mexico, \$26,400, N.J. Scott, Principal Investigator

Awards

Dr. Thomas H. Fritts, Quality Incentive Award, Presented by the National Ecology Center, November 1986, \$600

Sandy Mitchell, Kennedy Student Award for Best Student Paper, Presented by the Society for the Study of Amphibians and Reptiles, August 1986, \$150

Rayann E. Robino, Quality Step Award, Presented by the National Ecology Center, November 1986

Other Funding

Cooperative agreements between the Fish and Wildlife Service, the University of New Mexico, and other conservation/management agencies have resulted in outside funding being available for the following student research:

David J. Germano - Studies of North American tortoises

Lee A. Fitzgerald - Dietary patterns of Caiman crocodilus in Venezuela

Lee A. Fitzgerald - Tegú lizards in Argentina

Maria C. Nieuwolt - Behavior of giant tortoises in Galapagos

Aida Luz Aquino - Studies of caiman in Paraguay

Carol Malcolm - Preliminary capture and radiotelemetry of weasels in New Mexico

Randy D. Jennings - Ecological studies of leopard frogs in New Mexico

Publications

Clarke, M.R., E.L. Zucker, and N.J. Scott, Jr. 1986. Population trends of the mantled howler groups of La Pacifica, Guanacaste, Costa Rica. *American Journal of Primatology* 11:79-88.

Fitzgerald, L.A. In Press. An evaluation of stomach flushing techniques for crocodylians. *Journal of Herpetology*.

Fritts, T.H., et al. 1986. America's Sea Turtles. Bilingual informational brochure and audiovisual program for the U.S. Fish and Wildlife Service on the conservation and ecology of sea turtles (with the Department of Biology, University of New Mexico). The 100 copies of the audio-visual program are available for loan nationwide. A total of 100,000 bilingual brochures were produced.

- Fritts, T.H. 1986. Selected examples of movements of snakes in commercial and military cargo and baggage. Unpublished report submitted to U.S. Fish and Wildlife Service, Region 1, Portland, Oregon. 3 p.
- Fritts, T.H. 1987. Movements of snakes via cargo in the Pacific region. 'Elepaio 47(2):17-18.
- Fritts, T.H., N.J. Scott, Jr., and J.A. Savidge. In Press. Activity of the arboreal brown tree snake (Boiga irregularis) on Guam as determined by electrical outages. The Snake, vol. 19.
- Marquez M., R., and T.H. Fritts. In Press. Prospeccion aerea para tortugas marinas en la costa mexicana del Golfo de Mexico y Caribe, 1982-1983. Ciencia Pesquera, Mexico.
- McAllister, C.T., N.J. Scott, Jr., and B.E. Smith. 1987. Geographic distribution: Cnemidophorus gularis gularis. SSAR Herpetological Review 18(1):20.
- Savage, J.M., and N.J. Scott, Jr. "1985" [1987]. The Imantodes (Serpentes: Colubridae) of Costa Rica: two or three species? Revista de Biologica Tropical 33(2):107-132.

Papers Presented

- Fritts, T.H., and B.E. Smith, The brown tree snake (Boiga irregularis) in Guam, Presented by Fritts at the 67th Annual Meeting of the American Society of Ichthyologists and Herpetologists, 21-26 June 1987, Albany, New York
- Scott, N.J., Jr., T.C. Maxwell, L.A. Fitzgerald, and J.W. Flury, Distribution and population status of Nerodia harteri, Presented by Scott at the 34th Annual Meeting of The Herpetologists' League and the 29th Annual Meeting of the Society for the Study of Amphibians and Reptiles, 10-15 August 1986, Springfield, Missouri
- Mitchell, S. Mate choice in amphibians, Invited speaker at Mississippi State University, March 1987, Starksville, Mississippi
- Germano, D.J., Age determination of desert tortoises using scute rings, Presented at the 34th Annual Meeting of The Herpetologists' League and the 29th Annual Meeting of the Society for the Study of Amphibians and Reptiles, 10-15 August 1986, Springfield, Missouri
- Germano, D.J., and T.H. Fritts, New techniques for determining the age of desert tortoises, Presented by Germano at the Annual Symposium of the Desert Tortoise Council, March 1987, Reno, Nevada
- Jennings, R.D., Biochemical variation of the desert tortoises: the importance of ecological factors, Presented at the 34th Annual Meeting of The Herpetologists' League and the 29th Annual Meeting of the Society for the Study of Amphibians and Reptiles, 10-15 August 1986, Springfield, Missouri
- Fitzgerald, L.A., Dietary patterns of Caiman crocodilus in the Venezuelan llanos, Presented at the 34th Annual Meeting of The Herpetologists' League and the 29th Annual Meeting of the Society for the Study of Amphibians and Reptiles, 10-15 August 1986, Springfield, Missouri

- Mitchell, S., Causes and consequences of nonrandom mating in Woodhouse's toad, Presented at the 34th Annual Meeting of The Herpetologists' League and the 29th Annual Meeting of the Society for the Study of Amphibians and Reptiles, 10-15 August 1986, Springfield, Missouri
- Fitzgerald, L.A., Dietary patterns of Caiman crocodilus in a Venezuelan llano, Presented at Central University of Venezuela, Institute of Tropical Zoology, 9 April 1987, Caracas, Venezuela, and at the Biology Department, Simon Bolivar University, 10 April 1987, Caracas, Venezuela
- Scott, N.J., Jr., Herpetology of Paraguay, Seminar presented at the Savannah River Ecology Laboratory, 13 May 1987, Aiken, South Carolina
- Scott, N.J., Jr., Status of Harter's water snake, Seminar presented at the Savannah River Ecology Laboratory, 14 May 1987, Aiken, South Carolina
- Dr. Fritts attended a workshop on the control of the brown tree snake on Pacific Islands sponsored by the U.S. Air Force, and he gave presentations on the current knowledge, status of control technology, and research priorities focused on the introduced snake problem, September 1986, Andersen Air Force Base, Guam
- Dr. Scott assisted the Endangered Species Program, Fish and Wildlife Service, in the conservation and ecology of the Concho water snake, August-September 1986, San Angelo, Texas
- Dr. Fritts assisted the Government of the Commonwealth of the Northern Marianas by conducting workshops on the habits, detection, and exclusion of snakes for inspection personnel, cargo handlers, and natural resource agents on the islands of Saipan, Tinian, and Rota, September 1986, Commonwealth of the Northern Mariana Islands

International Travel

- Paraguay: N.J. Scott, 12 September 1986 to 31 January 1987
A.L. Aquino, 12 September 1986 to 4 January 1987
L.A. Fitzgerald, 12 September to 12 October 1986
Carl Schuster, 15 October to 17 November 1986
- Venezuela: L.A. Fitzgerald, 1 March to 28 April 1987
- Argentina: L.A. Fitzgerald, 20 February to 28 February
L.A. Fitzgerald, 10-17 May 1987
- Mexico: R.D. Jennings, August 1986
- Pacific Region:
Galapagos: T.H. Fritts, October to November 1986
M.C. Nieuwolt, June to August 1987
H.L. Snell, December 1986 to January 1987
H.L. Snell, June to August 1987
- Guam and Commonwealth of the Northern Marianas:
T.H. Fritts, September to October 1986
T.H. Fritts, May 1987
- Indonesia and Far East:
R. Conant, Spring 1987

Herpetological Museum Activities

A total of 1,399 reptiles and amphibians have been catalogued into the collection during the year. These specimens represent contributions by 95 individuals. The division processed 26 loans to scientists at other institutions and handled the return of 11 loans from cooperating institutions.

The entire herpetology collection was recently reorganized to enhance collection use, increase research space, and allow for future growth. The new arrangement represents a considerable advantage over the previous situation and resulted in the creation of four research spaces appropriate for primary museum users and visitors.

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COLLEGE OF ARTS AND SCIENCES
THE REPORT OF THE DEPARTMENT OF CHEMISTRY
July 1, 1986 to June 30, 1987
Riley Schaeffer, Chairman

I. General Departmental Information

A. Significant Achievements During the Academic Year 1986-87

One measure of the research quality of a chemistry department is the ratio of postdoctorals to faculty. We are pleased to report that, during the current year, there have been thirteen postdoctoral workers in the Department. For comparison, there were no postdoctorals in the Department in the 1980-81 academic year.

Efforts to recruit faculty continued this year with interviewing for two positions. In addition, the Department engaged in a search for an outside candidate to become Chair. This year there were a number of outstanding candidates, and offers were made to three individuals including two women. All candidates accepted positions elsewhere and, in each instance, our inability to match offers was a substantial factor. Our first offer was made to a woman from Utah who had been encouraged to apply here by several faculty members from her Department. She was favorably inclined to accept our offer. Unfortunately, an offer was made by Michigan which included three thousand dollars greater salary, \$300,000 in set up costs, support for a postdoctoral for three years and a year off (at

full salary) at the beginning of her appointment to complete a year of postdoctoral study at an institution of her choice. She accepted their offer. The second woman accepted an appointment at the University of California Davis, and the man accepted an appointment at Texas A and M. The possibility that the open positions might need to be sacrificed to recruit an outside Chair terminated our search and, subsequently, both positions were withdrawn as a result of budgetary considerations and the high cost of starting up a research program in chemistry. In at least one of the instances, we know that the offer included \$250,000 to equip a laboratory.

The Sixth Annual Milton Kahn lecture was delivered May 8, by Prof. Donald T. Sawyer from Texas A and M University.

Last year the Department received a grant from the National Science Foundation for the purchase of computing equipment with the primary purpose of providing equipment for general, real time data acquisition, and data reduction. Installation of this system, consisting of two minivaxes from Digital Equipment Corporation, was completed during the present year and has become fully operational. A large number of faculty have learned the new system and, in addition to the intended function, it has proven to be exceptionally valuable for course grading, record keeping, and manuscript preparation. Documents prepared on the computer can be transferred directly to the Wang Word Processor for further editing or directly printed with the DEC laser printer.

Last year we reported that the Department had experienced considerable difficulty with the high field NMR purchased two years earlier. As a result, General Electric NMR Instruments was informed of our intention to revoke acceptance of the instrument. With the assistance of Mr. Herb Taus, General Manager of General Electric NMR Instruments, these problems were resolved by early fall.

The Department has continued its very active seminar program that it carries out in conjunction with graduate education. This program is the active series of seminars by which both students and faculty are introduced to current research as carried out in both this country and abroad. Visitors to this Department during the past academic year came from other universities, as well as industrial and governmental laboratories. They came from as far as Italy and Germany and as close as Albuquerque. A list of seminar speakers is given in appendix A.

The Graduate Recruitment Committee this year has worked hard to attract an outstanding entering class of graduate students. If all who have accepted contracts do indeed arrive, this year's class should be a good one. We have undertaken a program of attracting graduate students from our neighbors to the South. Faculty visits were made to Peru, Ecuador and Mexico. A visit to Venezuela was dropped at the last minute because of a strike at the Central University in Caracas. The visit to Peru was particularly fruitful, and two students from there will be in

our class next year. Further applications are being processed for later admission. The problem of below standard stipends and higher than standard teaching loads continues to cause difficulty in recruiting. Appendix B gives the breakdown of applications received.

During the 1986-87 year, 9 students were graduated with a B.S. degree in chemistry; 6 of our graduates were men and 3 were women. Two students graduated with a B.A. degree in Chemistry; 1 of these graduates was a man and 1 was a woman. In addition to the 11 chemistry majors, 21 men and 16 women took a minor in chemistry. At the graduate level, 7 men and 3 women were awarded the M.S. degree; 6 men and 3 women were awarded the Ph.D. in Chemistry. Students receiving degrees in Chemistry are listed below.

Students receiving the B.A. Degree in Chemistry in 1986-87

Damara Lee Kaplan	Randolph R. Lewis
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Students receiving the B.S. Degree in Chemistry in 1986-87

Dale S. Anaya	Timothy W. Bolek
Steven M. Massick	Joanne P. Mezins
Jessica L. Moseley	Stanley P. Szewczyk
John L. Velasco	Ronald S. Vigil
Cecilia A. Wells	

Students completing the Master's Degree in Chemistry in 1986-87

Creig D. Bowland	Eduardo Builes
Beverly A. Crawford	Katharine H. Dewhurst
David D. Dunlap	Yeong-Haw Hsheen
Kevin A. Johnson	Paul G. Mendoza
Brian D. Thompson	David W. Ussery

Students completing the Doctor of Philosophy Degree
in Chemistry in 1986-87

Sharon L. Blaha	Ioannis Constantinidis
Eric W. Findsen	Eddie T-L Hui
Yukiko Iwata	Daniel J. McCabe
William F. McNamara	Charles F. Pace
Sally H-C Yang	

Only one of our students receiving the bachelors degree will go on for advanced study. This student will attend a professional school.

The Department of Chemistry presented the following awards for academic excellence to majors during the 1986-87 year:

Ms. Elizabeth Young was named as recipient of the Paul Mozley Award given each year to outstanding seniors majoring in Chemistry. Mr. Timothy Bolek received both the Mike Millican Award and the award sponsored by the American Institute of Chemists as the outstanding graduating senior in Chemistry. Mr. Henry M. Owen was awarded the Merck Index Award. Ms. Patty Crocker received the John D. Clark award in Chemistry.

Tze Hei Yong, David Witherspoon, and Eric Parker were named as the recipients of the J. L. Riebsomer Memorial Prize in Chemistry. Jerzy Franziszek Janik and Cathy Diane Newman were recipients of the Graduate Scholarship in Chemistry Award, given each year to outstanding students in the Graduate Program. Ms. Diana Freeark and Mr. Neil Finnen received the Dean C. Uhl Merit Scholarship Award.

Ms. Sally Douglas and Mr. Neil Finnen received the 1987 Undergraduate Award in Analytical Chemistry.

Gregory J. Gundzik and Julie R. Parnell share the Charles LeRoy Gibson Prize for their outstanding work in Chemistry 131L-132L.

B. Significant Plans and Recommendations for the Near Future

Professors Thomas Niemczyk and Riley Schaeffer were awarded sabbatical leaves for the 1987-88 academic year. Professor Niemczyk will spend his leave working in the rapidly developing field of sensors at Sandia National Laboratory. Professor Schaeffer will spend his leave at the University of Colorado, Boulder working on X-ray diffraction of molecular substances. Professor Schaeffer will continue as Chairman on leave of absence until a permanent replacement for him is appointed. No appointment of an Acting Chairman for the next academic year has as yet been made.

Our Annual report for 1985-86 states the following:

"The need for additional laboratory space persists. It is to be hoped that this problem will be addressed by the higher administration in the coming year. We again point out that new facilities are not only required to allow the research and graduate education function of the department to achieve the status demanded by the technical nature of the New Mexico community but is necessitated by simple safety considerations. Sooner or later we will pay the price through court action of injured parties if we are unwilling to proceed on our own."

No progress has yet been made. The Department has had a detailed space survey made by Dr. Richard Rietz, a nationally known consultant in laboratory design. His report details for the first time some of the causes of the problems we experience and has provided some preliminary plans for future needs.

C. Appointments to Staff

Mr. Hoshang Shahvar joined the staff on 15 September 1986 as an Instrument Technician V.
1025R-6

Ms. Dorothy E. Cunningham joined the staff as an Editorial Assistant on 29 September 1986.

Mr. Robert C. Garcia joined the staff as a Storekeeper I on 10 November 1986.

Mr. Jessie Watkins joined the staff on 12 January 1987 as a Storekeeper I.

Mr. Charles D. Cameron joined the staff on 23 February 1987 as a Storekeeper I.

D. Separations

Mr. Frederick K. Husher resigned from the Staff on 15 August 1986. He was an Instrumentation Technician V.

Ms. Wanda Kartchner, Editorial Assistant II, voluntarily retired after over twenty years service on 29 August 1986.

Mr. David Otero resigned his position as Storekeeper I to accept other employment on campus.

Ms. Esther Gugliotta, Editorial Assistant II, resigned at the end of her maternity leave of absence on 2 December 1986.

Mr. Leonard Ortiz voluntarily retired after fifteen years service as a Storekeeper I on 16 January 1987.

Mr. Jessie Watkins resigned from his position as Storekeeper I on 20 February 1987 to accept other employment.

E. Promotions

Mr. Charles D. CAMERON, Mr. Robert C. GARCIA and Ms. Beth Ann Williams were promoted from Storekeeper I to Storekeeper II on 9 March 1987.

A list of the current faculty, staff and graduate students is given in Appendix C.

F. Sponsored Research

The Department has become increasingly aggressive in the search for outside funds to support its research program. In the 1986-87 academic year, the Department had the following active grants:

GRANTS ACTIVE DURING THE 1986-87 FISCAL YEAR

<u>GRANT #</u>	<u>INVESTIGATOR</u>	<u>END DATE</u>	<u>SOURCE</u>	<u>AMOUNT</u>
281-557-1XX	Allen	12/31/86	NSF	90,000.
020-812-135	Bein	6/15/87	RAC	6,667.
281-666-3XX	Bein	9/30/87	SANDIA	30,000.
281-728-1XX	Bein	8/31/89	ACS	18,000.
281-733-1XX	Bein	6/30/87	SANDIA	14,873.
281-254-4XX	Bustamante	6/30/87	NIH	100,324.
281-326-1XX	Bustamante	6/30/87	SEARLE	157,500.
281-504-1XX	Bustamante	9/15/87	SLOAN	25,000.
281-613-1XX	Bustamante	5/14/87	DHHS	69,000.
281-660-1XX	Bustamante	4/30/88	NSF	88,826.
282-659-52X	Bustamante	12/31/86	MBRS	17,666.
282-659-6XX	Bustamante	12/31/87	MBRS	15,914.
281-366-220	Deck	10/31/87	BRSG	2,800.
281-156-1XX	Holder	8/31/86	PRF	49,000.
281-721-1xx	Hollstein	12/31/88	MS Assoc	20,000.
282-676-5XX	Litchman	12/31/86	MBRS	8,176.
020-812-134	Morrow	6/15/87	RAC	2,100.
281-270-4XX	Morrow	6/30/87	U of CA	24,193.
281-758-1XX	Morrow	10/31/88	NSF	30,700.
282-631-5XX	Morrow	12/31/86	MBRS	22,411.
282-631-5XX	Morrow	12/31/87	MBRS	18,469.
281-611-1XX	Niemczyk	4/22/87	LANL	44,954.
281-611-2XX	Niemczyk	4/22/88	LANL	21,612.
281-507-1XX	Ogilby	7/31/86	NSF	46,500.
281-507-2XX	Ogilby	1/31/87	NSF	50,000.
281-507-3XX	Ogilby	7/31/88	NSF	42,800.
281-764-1XX	Ogilby	9/30/87	SANDIA	10,000.
281-285-1XX	Ondrias	8/31/86	PRF	15,000.
281-296-1XX	Ondrias	Open	ResCorp.	7,900.
281-355-2XX	Ondrias	6/30/87	NIH	50,322.
281-618-1XX	Ondrias	8/31/88	ACS	17,500.
281-638-1XX	Ondrias	2/29/88	NSF	83,440.
281-645-1XX	Ondrias	7/31/87	SANDIA	24,990.
281-665-1XX	Ondrias	10/15/86	BDM	536.
282-664-4XX	Ondrias	12/31/86	MBRS	15,476.
282-664-5XX	Ondrias	12/31/87	MBRS	15,914.

281-377-1XX	Ortiz	8/31/87	PRF	15,000.
281-381-1XX	Paine	3/31/87	PRF	52,500.
281-415-2XX	Paine	9/30/87	LANL	66,983.
281-420-2XX	Paine	12/31/86	SANDIA	59,998.
	w/Schaeffer			
281-482-1XX	Paine	12/31/87	NSF	115,800.
281-827-6XX	Paine	7/31/87	DOE	88,000.
281-659-1XX	Paine	8/31/88	DOE	220,000.
281-709-1XX	Paine	12/31/87	SANDIA	48,804.
281-632-1XX	Papadopoulos	OPEN	AMER CY	14,382.
281-194-4XX	Satterlee	8/31/86	NIH	116,913.
281-194-5XX	Satterlee	8/31/87	NIH	86,965.
281-239-1XX	Satterlee	9/15/87	SLOAN	25,000.
281-371-1XX	Satterlee	12/28/87	NSF	225,000.
281-662-1XX	Satterlee	9/29/87	DHHS	51,840.
281-589-1XX	Schaeffer	2-28-87	SANDIA	12,000.
020-812-149	Walters	6/15/87	RAC	4,475.
281-718-1XX	Walters	9/30/87	SANDIA w/ MECH Eng	119,602.

TOTAL 2,691,001.

In addition, proposals for future support include:

Proposals Submitted 1986-87

PI	Sponsor	Action	From	To	Amount	Date
Bein	SURP	New	10-1-86	9-30-87	29,990	7-1-86
Bein	Dreyfus	New	8-18-86	8-17-91	25,000	7-1-86
Bein	PRF	New	2-1-87	8-31-89	18,000	7-1-86
Bein	Res. Corp	New	1-1-87	12-31-87	22,500	7-1-86
Bein	Brookhaven	New	2-1-87	2-2-87		10-1-86
Bein	RAC	New	11-25-86	6-15-87	2,500	10-6-86
Bein	DOE(Co-Pl)	New	8-1-87	NA	383,000	11-25-87
Bein	Prctr & Gm	New	5-1-87	4-30-90	149,910	12-22-86
Bein	NSF	New	9-1-87	8-31-90	316,714	12-23-86
Bein	RAC	New	4-1-87	6-15-87	4,963	1-27-87
Bein	PRF	New	9-1-87	8-31-90	52,500	1-29-87
Bein	Sandia Lb	New	2-1-87	6-30-87	14,873	1-19-87
Bein	DOE	New	4-1-87	NA	NA	2-10-87
Bein	Stanford	New	10-01-87	9-30-89		2-27-87
Bein	SURP	New	10-1-87	7-31-88	29,988	5-4-87
Bein	SURP	New	10-1-87	9-30-88	29,941	5-12-87
Bein	DOE	New	6-1-87	NA	NA	5-14-87
Bein	DOE	New	8-1-87	NA	NA	6-10-87
Bustamante	NSF	New	7-1-87	6-30-90	417,417	
Bustamante	NSF	New	9-1-86	6-30-89	95,000	
Deck	BRS6	New	4-87	10-87	3,000	
Hollstein	ACS	New	9-1-87	8-31-90	52,500	12-15-86

Morrow	NSF	New	6-1-87	5-31-90	93,055	2-25-87
Morrow	U CA NIH	New	5-1-88	5-1-91	71,649	5-19-87
Morrow	G. Wn Sch of Medicine & NIH	New	5-1-88	5-1-93	176,437	5-19-87
Morrow	NIH	Renw	1-1-88	12-31-91	12-19-86	
Niemczyk	Los Alamos	New	4-28-87	9-30-87	18,825	3-26-87
Ogilby	NSF	New	6-1-87	8-1-87	4,205	2-25-87
Ogilby	NSF	New	8-1-87	8-1-90	260,070	11-10-86
Ogilby	Sandia Lab	New	DOA	8-30-87	10,000	5-12-87
Ogilby	PRF	New	1-1-88	8-31-91	52,500	
Ondrias	ACS	New	10-1-86	9-1-87	17,000	10-17-86
Ondrias	NIH	New	7-87	7-92	490,000	10-1-86
Ondrias	NIH	New	12-87	12-90	267,000	2-1-87
Ondrias	BDM Corp	New	10-1-87	7-31-88	536	
Ondrias	Sandia	New	10-1-87	7-31-88	24,990	
Ondrias	NSF	New	9-1-878	8-31-88	83,000	
Ondrias	DHHS	New	7-1-87	6-30-92	697,858	
Ortiz	AF-Sci Res	New	6-1-87	6-1-90	286,694	2-11-87
Ortiz	ONR	New	9-1-87	8-29-90	255,141	
Ortiz	ACS-PRF	New	8-1-87	8-31-90	52,500	
Paine	Sandia	New	1-87	12-87	48,804	
Paine	LANL	Renw	10-86	9-87	28,000	
Paine	DOE	New	10-86	9-88	225,000	
Paine	DOE	New	8-1-87	8-1-90	383,000	
Paine	NSF	New	1-1-88	12-31-88	56,000	
Paine	LANL	New	3-1-88	2-28-91	6,233	
Satterlee	PHS	New	12-1-87	11-30-92	6179289	2-1-87
Satterlee	NSF	New	3-1-88	2-28-91	504,227	4-25-87
Satterlee	NIH	New	9-1-87	8-31-88	75,944	
Walters	Brookhaven	Renew	3-15-87	11-15-88	-	1-29-87
Walters	RAC	New	1-30-87	1-30-088	4,475	1-30-87
Walters	Sandia Lab	New	1-5-87	9-30-89	119,602	1-5-87
Walters	DOE	New	9-1-86	NA	NA	7-7-86

APPENDIX A

Seminar Speakers Fall Semester, 1986

- Dr. John M. Schwab
Purdue Univ.
July 18, 1986
- "Looking at the Mechanistic Basis
of 'Mechanism Bases' Enzyme
Inactivation"
- Dr. Verónica Bierbaum
Univ. of Colorado
August 29, 1986
- "The Chemistry of Negative Ions in
the Gas Phase"
- Dr. Wayne Hubbell
Univ. of Calif-LA
September 5, 1986
- "Structural Origins of Electrostatic
Potentials in Biological Membranes"
- Dr. Matthew S. Platz
Ohio State Univ.
September 12, 1986
- "Photochemistry of Azides and
Nitrenes"
- Dr. Peter Jutzi
Univ. Bielfeld, Germany
September 17, 1986
- "Pi Complexes with Main Group
Elements as Central Atoms"
- Dr. Thomas L. Isenhour
Utah State Univ.
September 26, 1986
- "Analytical Director-A Computer
Artificial Intelligence/Robotic
System for the Analytical
Laboratory"
- Dr. Robert Hoffman
New Mexico State Univ.
October 3, 1986
- "The Generation and Reactions of
Electron Deficient Nitrogen"
- Dr. Leonard Grey
Sandia National Laboratory
October 6, 1986
- "Chemistry of Pu Reprocessing"
- Dr. Jan Paul
EXXON Research and Eng.
October 7, 1986
- "CO Adsorption of Clean Al (100) and
Aluminum Modified by Oxide Formation
or Potassium Adsorption"
- Dr. Alan Balch
Univ. of Calif-Davis
October 10, 1986
- "Polynuclear Metal Complexes from
Polydentate Phosphine Ligands"
- Dr. James Satterlee
Univ. of New Mexico
October 17, 1986
- "Properties of a Biological Electron
Transfer Complex Between Cytochrome
c and a Peroxidase Studied by NMR,
Molecular Graphics and Protein
Engineering"

Dr. Charles Wight
Univ. of Utah
October 24, 1986

"Photofragment Spectroscopy of
Transition Metal Complexes"

Dr. Neal Armstrong
Univ. of Arizona
November 7, 1986

"Photoeffects in Phthalocyanine
Thin Films: From Solar Energy
Conversion to Chemical Sensors"

Dr. P. J. Hay
LANL
November 14, 1986

"Theoretical Studies of Reactions
and Electronic Properties of
Transition Metal Complexes"

Dr. Carol Korzeniewski
Univ. of Utah
November 18, 1987

"Infrared Vibrational Spectroscopy
of the Electrode-Solution Interface"

Dr. David Marshall
Univ. of Idaho
November 19, 1986

"The Molecular Nature and Dynamics
of Solid-Liquid Interfacial
Sorption Systems"

Dr. Vincent McKoy
Cal Tech
November 21, 1986

"Dynamics of Single and
Multi-Photon Ionization Processes
in Molecules"

Dr. Susan Kauzlarich
Iowa State Univ.
November 28, 1987

"Synthesis and Characterization of
Iron Oxychloride Intercalated by
Organosulfur Electron Donors"

Dr. Timothy Hughbanks
Iowa State University
November 30, 1986

"Solid-State Synthesis and
Characterization of Zr, Sc, and Y
Halide Cluster Compounds"

Dr. Sanford Asher
Univ. of Pittsburgh
December 5, 1986

"Ultra-violet Resonance Raman
Spectroscopy of Proteins and Amino
Acids"

Dr. Dennis Dougherty
Cal Tech
December 12, 1986

"Synthesis and Spectroscopy of New
Biradicals and Non-Kekule Molecules"

Seminar Speakers Spring 1987

Dr. David LaVallee
Hunter College, CUNY
January 21, 1987

"The Chemistry of N-substituted
Metalloporphyrins"

Dr. J. G. Eberhart
University of Colorado-
Colorado Springs
January 22, 1987

"The Limit of Superheat of
Binary Liquid Mixtures"

- Dr. John M. Ziegler
Sandia National Laboratory
January 23, 1987
"Sigma Conjugated Polysilanes
as Electronic Materials"
- Dr. George Ewing
Indiana University
February 4, 1987
"Vibrational Energy Transfer
in Gases, Liquids, Solids, etc."
- Dr. Sunney Chan
Calif. Institute of Tech.
February 6, 1987
"Cytochrome c Oxidase: Nature's
Elegant Design of a Proton Pump"
- Dr. Bruce Schardt
U. of Calif.-Santa Barbara
February 10, 1987
"Structural Studies at the Solid-
Liquid Interface: Specific
Adsorption and Electro Deposition
at Well-Defined Pt(III) Electrode
Surfaces"
- Dr. Thomas J. Pinnavaia
Michigan State University
February 13, 1987
"Intercalated Clay Catalysts"
- Dr. W. Hetherington
Univ. of Arizona
February 19, 1987
"Second Harmonic Generation
Spectroscopy of Molecules Adsorbed
on Surfaces"
- Dr. Peter Bernath
University of Arizona
February 20, 1987
"Laser and Fourier Transform
Spectra of Transient Species:
Diatomics to Organometallics"
- Dr. Roy Planalp
Univ. of Illinois
February 23, 1987
Dialkyl Bis(amide) Complexes of
Titanium, Zirconium, and Hafnium:
Thermal Decomposition and Insertion
Reactions."
- Dr. Leonard Klebanoff
Bureau of Standards
February 24, 1987
"Angle-resolved and Spin-polarized
Photomission Studies of Surfaces"
- Dr. Curtis E. Johnson
NWC, China Lake, Calif.
February 27, 1987
"Organometallic Routes to Metal
Sulfide Ceramic Powders"
- Dr. Lewis Noe
Univ. of Wyoming
March 6, 1987
"Photodissociation of the NO, CO,
and O₂ Forms of Natural and
Synthetic Heme Complexes Studied
Using Picosecond Absorption
Spectroscopy"
- Dr. Keith McDowell
Los Alamos National Lab.
March 13, 1987
"Quantum Heat Bath Theory"

- Dr. J. J. Zuckerman
Univ. of Oklahoma
March 23, 1987
"Where are the Lone Pair Electrons
in Main Group Subvalent Compounds?"
- Dr. W. F. Maier
Calif-Berkeley
March 24, 1987
"The National Design of Univ. of
Heterogeneous Catalysts"
- Dr. Mark Gordon
N. D. State Univ.
March 26, 1987
"Theoretical Studies of
Organo-Silicon Chemistry"
- Dr. Gerd LaMar
Univ. of Calif.-Davis
March 27, 1987
"NMR Studies of the Sulf-Globins"
- Dr. Jack Williams
Argonne National Lab.
March 30, 1987
"New Developments in Organic and
Inorganic Superconductors"
- Dr. Paul Farnsworth
Brigham Univ.
April 1, 1987
"Pulses and Spikes: A New Look at
Emission From the Inductively
Coupled Plasma"
- Dr. W. Bentrude
Univ. of Utah
April 1, 1987
"Photorearrangements of Allyl and
Benzyl Phosphites. Potential
Radical-Pair and 1,3-Biradical
Processes"
- Dr. Chad Tolman
Du Pont
April 2, 1987
"Catalysis in Zeolites under Mild
Conditions"
- Dr. Steve McLain
Du Pont
April 3, 1987
"Organometallic Chromium Radicals in
Solutions and in Zeolites"
- Dr. C. Parmenter
Indiana University
April 10, 1987
"Laser Studies: State-to-State
Vibrational Energy Flows in Large
Molecules"
- Dr. Rod Farlee
Du Pont
April 13, 1987
"Solid-State NMR of Metal Oxide
Surfaces"
- Dr. Roger Cramer
Univ. of Hawaii
April 14, 1987
"Insertion Chemistry of the
Uranium-Carbon Double Bond"
- Dr. J. Cioslowski
Georgetown Univ.
April 15, 1987
"Recurrent Moments Expansions"

- Dr. C. S. Foote
Univ. of Calif.-Los Angeles
April 17, 1987
- Dr. Frank Corrigan
GE, Worthington, OH
April 22, 1987
- Dr. Malcolm Chisholm
Indiana Univ.
April 24, 1987
- Prof. Dr. Alfred Schmidpeter
Univ. of Munich-Germany
April 29, 1987
- Dr. Philip Power
Univ. of Calif.-Davis
May 1, 1987
- Dr. Donald T. Sawyer
Texas A&M Univ.
May 8, 1987
- "From Lasers to Leucocytes or What
is an Organic Chemist Doing in a
Place Like This?"
- "Chemistry at G.E."
- "Coupling Reactions of Metal-Metal
Triple Bonds"
- "Inorganic and Organic Chemistry of
Low Coordinate Phosphorus Compounds"
- "Unusual Bonding and Coordination
Numbers in Main Group Elements"
- "Biological Chemistry of Dioxygen -
A Unique Natural Product"

APPENDIX B

Applications Received for Graduate Study in Chemistry
1986-1987

State	APP	APR	DIS	INC	DEC	ENR
Arizona	2		1	1		
California	5	4		1	4	
Colorado	8	5		3	2	3
Connecticut	1			1		
Illinois	3		1	2		
Indiana	2		1	1		
Kansas	2		1	1		
Kentucky	1	1				1
Louisiana	1			1		
Maryland	1			1		
Michigan	1			1		
Minnesota	3	2		1	2	
Missouri	2	1		1	1	
Montana	1			1		
New Jersey	2	1		1	1	
New Mexico	8	4	2	2	2	2
New York	2	1		1		1
North Carolina	1		1			
North Dakota	1	1			1	
Oklahoma	1		1			
Oregon	3	3			1	2
Pennsylvania	2	2			2	
South Carolina	1	1			1	
South Dakota	1		1			
Texas	1			1		
Vermont	1	1			1	
Virginia	1	1			1	
Washington	4	1	1	2		1

TOTALS:

GRADUATES OF US SCHOOLS:	62	29	10	23	19	10
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APPENDIX B (Continued)
Applications Received for Graduate Study in Chemistry
1986-1987

International Student Applications

Country	APP	APR	DIS	INC	DEC	ENR
Bangladesh	2		2			
China	70	13	18	39	9	4
England	1			1		
Greece	1		1			
India	7	2	4	1	1	1
Iran	1		1			
Iraq	1		1			
Korea	6		3	3		
Pakistan	3		3			
Panama	3	2		1	1	1
Peru	6	2	3	1		2
Philippines	2	2			2	
Saudi Arabia	1			1		
Sri Lanka	12		8	4		
Taiwan	9	3	3	3	3	
Thailand	3		2	1		

TOTALS:

<u>GRADUATES OF FOREIGN SCHOOLS:</u>	128	24	49	55	16	8
<u>GRAND TOTALS:</u>	190	53	59	78	35	18

APP - Applications Received
 APR - Applications Approved
 DIS - Applications Disapproved
 INC - Applications Incomplete
 DEC - Applications Approved but Declined
 ENR - Applications Approved that Enrollment is anticipated

FACULTY AND STAFF OF THE DEPARTMENT OF CHEMISTRY

FULL PROFESSORS:

ALLEN, Fritz S., Ph.D., 1969, University of Illinois
CATON, Roy D., Ph.D., 1963, Oregon State University
HOLLSTEIN, Ulrich, Ph.D., 1956, University of Amsterdam
NIEMCZK, Thomas M., Ph.D., 1972, Michigan State Univ.
PAINE, Robert T., Ph.D., 1970, University of Michigan
PAPADOPOULOS, E. Paul, Ph.D., 1961, University of Kansas
SCHAEFFER, Riley, Ph.D., 1949, University of Illinois
VANDER JAGT, David, Ph.D., 1967, Purdue University
WALTERS, Edward A., Ph.D., 1966, University of Minnesota

ASSOCIATE PROFESSORS:

BUSTAMANTE, Carlos J., Ph.D., 1981, University of California, Berkeley
HOLDER, Richard W., Ph.D., 1970, Yale University
LITCHMAN, William M., Ph.D., 1965, University of Utah
MC LAUGHLIN, Donard R., Ph.D., 1965, University of Utah
MORROW, Cary J., Ph.D., 1970, Tulane University
PARK, Su-Moon, Ph.D., 1975, University of Texas, Austin
SATTERLEE, James D., Ph.D., 1975, University of California, Davis

ASSISTANT PROFESSORS:

BEIN, Thomas, Ph.D., 1984, University of Hamburg
ONDRIAS, Mark O., Ph.D., 1979, Michigan State University
OGILBY, Peter R., Ph.D., 1981, University of California-Los Angeles
ORTIZ, Joseph V., Ph.D., 1981, University of Florida

INSTRUCTORS:

DECK, Lorraine, M.S., 1968, University of New Mexico
MALM, Miriam, M.S., 1964, University of New Mexico

EMERITUS PROFESSORS:

KAHN, Milton, Ph.D., 1950, Washington University

VISITING FACULTY:

BRABSON, G. Dana, Ph.D., 1965, University of California-Berkeley
NIMITZ, Jonathan S., Ph.D., 1981, Stanford University

POSTDOCTORAL RESEARCH FELLOWS:

- ALCARAZ, Maria Luisa, MS, 1984, Universidad de Murcia, Spain
- FINDSEN, Eric. Ph.D., 1986, University of New Mexico
- GALVEZ, Jesus, Ph.D., 1973, Universidad de Murcia, Spain
- KARTHIKEYAN, Sakthivel, Ph.D., 1985, Indian Institute of Science, Bangalore, India
- KELLER, David J, Ph.D., 1984, Univ. of California-Berkeley
- KEY-SCHWARZ, R. June, Ph.D., 1985, Vanderbilt University
- MOENCH, Susan J, Ph.D., 1985, Colorado State University
- MOLLER, Karin, Ph.D., 1984, Universität Bremen, West Germany
- NARULA, Chaitanya Kumar, Ph.D., 1981, Rajasthan University, India. Alexander-Von-Humboldt Fellow, 1983-84, University of Munich, West Germany
- REISACHER, Hansulrich, Dr, 1986, Technische Universität München, West Germany
- SIMONS, Peter C., Ph.D., 1979, University of New Mexico
- YOON, Kyung S, Ph.D., 1981, Korea Advanced Institute of Science and Technology
- ZHAO, Yon-Feng, Ph.D., 1962, Peking Institute of Technology, China

ADJUNCT PROFESSORS:

ALDISSI, Mahmoud, Ph.D., 1981, University of Pennsylvania
BARTON, Larry L, Ph.D., 1969, University of Nebraska
BEAR, David, Ph.D., 1978, Univ. of California-Santa Cruz
BIENIEWSKI, Thomas M., Ph.D., 1965, California Institute of
Technology
BLAIS, Normand C., Ph.D., 1956, Yale University
BOUSEK, Ronald R., Ph.D., 1976, University of Arizona
BRUECK, S.R.J., Ph.D., 1971, Massachusetts Institute of
Technology
CREMERS, David A., Ph.D., 1972, Seattle University
DATYE, Abhaya, Ph.D., 1984, University of Michigan
DAVIS, Steven J., Ph.D., 1973, University of New Hampshire
FRIEDMAN, Joel M., M.D., Ph.D. 1975, Univ. of Pennsylvania
GINLEY, David S, Ph.D., 1976, Massachusetts Institute of
Technology
GRANT, Patrick M., Ph.D., 1973, Univ. of California-Irvine
GUENTHER, Arthur H., Ph.D., 1957, Pennsylvania State Univ.
HADLEY, Steven G., Ph.D., 1966, Univ. of California-Davis
HADLEY, William M., Ph.D., 1972, Purdue University
HILL, Ralph H., Jr, Ph.D., 1979, Texas A&M University
HUGHES, Loris W., Ph.D., 1971, New Mexico State University
HYLARIDES, Mark D., Ph.D., 1979, University of New Mexico
JOHNSTON, Roger, Ph.D., 1983, University of Colorado
JUNGLING, Kenneth C, Ph.D., 1970, University of Illinois
KLEINSCHMIDT, Phillip D., Ph.D., 1977, Pennsylvania State
University
LIGHT, Ronald W., Ph.D., 1979, University of New Mexico
MAESTRE, Marcos F., Ph.D., 1964, Yale University
MOODY, David C., III, Ph.D., 1975, Indiana University
MOROSIN, Bruno, Ph.D., 1959, University of Washington
O'NEILL, William M., M.S., 1937, University of Cincinnati
PALMER, Byron A., Ph.D., 1977, Purdue University
PARKER, Donald R., M.P.H., 1963, University of Michigan
PARSONS, Michael, Ph.D., 1966, University of Florida
PETERSON, Dean E., Ph.D., 1972, University of Kansas
PETERSON, Eugene J, Ph.D., 1976, Arizona State University
PIGG, C. Joanne, Ph.D., 1965, Oregon State University
SALZMAN, Gary C., Ph.D., 1972, University of Oregon
SHELNUTT, John A., Ph.D., 1975, George Inst. of Technology
SMITH, Brian R., Ph.D., 1972, Utah State University
SWENSON, Frank J., Ph.D., 1980, University of New Mexico
TAPSCOTT, Robert E., Ph.D., 1968, Univ. of Illinois-Urbana
THOMAS, Kimberly W., Ph.D., 1978, University of
California-Berkeley
WHALEY, Thomas W., Ph.D., 1971, University of New Mexico
WOLF, Paul J., Ph.D., 1985, Air Force Inst. of Technology
WOODRUFF, William H., Ph.D., 1972, Purdue University

STAFF

STAFF SCIENTIST:

DUESLER, Eileen, Ph.D., 1973, Univ. of Calif-Berkeley

CHEMICAL ANALYST:

JU, Ruby K.Y., B.S., 1956, Univ. of Illinois

SCIENTIFIC GLASSBLOWER (AND PART-TIME LECTURER III)

ROENSCH, Arno, B.S., 1953, Highlands Univ.

INSTRUMENTATION TECHNICIAN

SHAHVAR, Hoshang, B.S.E.E. 1981, Univ. of New Mexico

STENSLAND, Leonard A, B.S. Occ. Ed, 1987, So. Illinois Univ.

OTHER STAFF

CAMERON, Charles, Storekeeper II

CUNNINGHAM, Dorothy E, Editorial Assistant II

GARCIA, Robert C, Storekeeper II

HARGIS, Barbara J, Accounting Technician

HILTON, Carl, Supervisor, Chemical Stores

QUESNELL, Eva, Editorial Assistant II

RUE, Ruth, Departmental Secretary

SCHNOEBELEN, Albert, Academic Support Aide II

WILLIAMS, Beth, Storekeeper II

GRADUATE STUDENTS

		Source
ACQUAYE, J.	TA	
ADHIHETTY, I	TA	
ALDEN, R	RA/TA	DHHS
ANGUS, Jill	TA	
ARNEBERG, D	TA/RA	Sandia
BEACH, D	RA	MBS
BLAHA, S	GA	
BOREK, T	TA/RA	NSF
BORVORNWATTANANT, A	TA	
BOWLAND, C	GA	
BRAZWELL, E	TA	
BROWN, K	TA/RA	Sandia
BUILES, E	RA	NIH
CHAVEZ, M	RA	MBS
CHU, C-P	TA	
CLAY, J	TA	
CONARY, G	RA	DOE
CONSTANTINIDIS, I	RA	NIH
CORIA, J	TA	
CRAWFORD, B	RA	DHHS

APPENDIX C (Continued)

DEWHURST, K.	GA	
DUNLAP, D	TA/GA	
ENZEL, P	TA	
ERIDON, J.	RA	MBS
FINDSEN, E	RA	NM/ACS
FINZI, L	TA/RA	NIH
HOBBS, D	TA/RA	NIH
HODGE, E	GA	
HOIER, S	GA	
HSHEEN, Y	RA/TA	DHHS
HUI, E	GA	
ITO, K	TA	
IU, K	RA	NIH
IWATA, Y	GA	
JANIK, J	RA	ACS
JOHNSON, K	RA/TA	NIH
KIM, M.	RA	NM
LARSEN, R	RA	
LIANG, G	TA	
LII, F	RA	NIH
LIN, J.	TA	
LINDQUIST, D	TA/RA	DOE
MACE, S	TA	
MAGNUS-ARYITEY, G	TA/RA	Industry
MARTINEZ, D	GA	
MAY, J	GA	
MC CABE, D	RA	DOE
MCFEETERS, F	GA	
MC NAMARA, W	RA	DOE
MENDOZA, P	GA	
MINTOROVITCH, J	RA	NIH
NEWMAN, C	GA	
PACE, C	TA/GA	
PARAMANATHAN, G	TA	
PAULTER, N	GA	
PODHIPLEUX, N	TA	
RODACY, P	GA	
RUSSELL, A	RA	DOE
SACKINGER, K	TA	
SANTANDREA, C	TA/GA	
SCURLOCK, R	RA	NIH
STILWELL, D	TA/GA	
THOMPSON, B	GA	
USSERY, D	TA	
VICKERS, M	TA	
WALLACE, S	TA	
WEED, C	TA	
WELLS, S	TA	
WIECZOREK, L	TA	
WOOD, G	RA	DOE
WOODBURY, R	TA	
YANG, S	TA	
YUE, J	TA	
ZHANG, C	TA/RA	FOREIGN

DEPARTMENT OF COMMUNICATIVE DISORDERS

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ANNUAL REPORT

July 1, 1986 - June 30, 1987

A. Significant Achievements

1. Community Service in Speech-Language Pathology

Because all graduate students must obtain at least 300 client-contact hours of clinical practicum, clinical services are an important mission of our department. The following two tables contain the numbers of hours by category. The on-campus hours were supervised by UNM faculty members. Most of the off-campus hours were supervised gratis by professionals not employed by UNM.

ON-CAMPUS Hours of Speech-Language Services

<u>Type of Service</u>	<u>Preschool</u>	<u>School</u>	<u>Adult</u>	<u>Total</u>
Articulation therapy	269	130	42	441
Language therapy	333	169	149	651
Voice therapy	10	24	145	179
Stuttering therapy	73	87	60	220
Hearing-impaired therapy	89	7	23	119
Speech-language evaluations	90	22	28	140
Speech-language screenings	0	0	2	2
Hearing tests	0	0	135	135
Totals	<u>864</u>	<u>439</u>	<u>584</u>	<u>1887</u>

OFF-CAMPUS Hours of Speech-Language Services

<u>Type of Service</u>	<u>Preschool</u>	<u>School</u>	<u>Adult</u>	<u>Total</u>
Articulation therapy	20	213	119	352
Language therapy	65	1136	548	1749
Voice therapy	6	130	149	285
Stuttering therapy	4	220	0	224
Hearing-impaired therapy	20	85	96	201
Speech-language evaluations	166	367	161	694
Speech-language screenings	42	121	42	205
Hearing screenings	0	64	16	80
Totals	<u>323</u>	<u>2336</u>	<u>1131</u>	<u>3790</u>

2. Community Service in Audiology

On-campus services are provided in our Audiology Clinic in the UNM Hospital. The following table contains the number of hours of service provided in our clinic and off campus.

<u>Type of Service</u>	<u>Hours of Audiology Services</u>		
	<u>On-Campus (UNMH)</u>	<u>Off-Campus</u>	<u>Total</u>
Audiological evaluations	1046	334	1380
Middle-ear impedance tests only	51	0	51
Auditory brainstem response tests	252	0	252
Hearing aid evaluations and dispensing	108	43	151
Cochlear implant rehabilitation	97	0	97
Aural Rehabilitation	0	83	83
Earmolds and misc.	48	0	48
Totals	<u>1602</u>	<u>460</u>	<u>2062</u>

3. Community Service in Sign Language Interpreting

We do not have exact figures, but approximately 1000 hours of sign language interpreting for the deaf people in Albuquerque were provided by our undergraduate majors, supervised by Mrs. Wilcox and Mrs. Monikowski.

In summary, through our department and off-campus facilities, our students and faculty provided 5677 hours of service in speech-language pathology, 2062 hours in audiology, and 1000 hours in sign language interpreting, for a total of 8739 hours.

4. Master's Degree Graduates (N=16)

a. Employment

Speech-Language Pathology

Summer 1986

Debbie Hunsicker	Albuquerque Area Indian Health Board
Bil Linzie	Northern N.M. Rehabilitation Center

Fall 1986

Vianne Bjornberg	Albuquerque Public Schools
Teo Chadil	Albuquerque Public Schools
Daryl Glinski	Albuquerque Public Schools
Vicky Gonzales	InSpeech, Phoenix
Mary Hartley	Albuquerque Public Schools
Barbara Rodriguez	Educational Assessment Systems, Inc., Albuquerque
Caryn Shapiro	Will seek employment in MI in fall 1987
Laurie Thomas	Albuquerque Public Schools
Tammy Sproule	Northern N.M. Schools

Spring 1987

Lynette Payne
Janet Shearer

InSpeech, Albuquerque
Southeastern N.M. Speech and
Hearing Clinic, Roswell
Albuquerque Public Schools, as of
August '87

Julie Smith

AudiologySummer 1986

Willie Ruiz

Ear, Nose, Throat Practice,
Houston

Spring 1987

Nancy Broad-McMahon UNMH Audiology Clinic and Ear,
Nose, Throat Practice,
Albuquerque

b. Performance on National Exam

Performance by our students on the American Speech-Language-Hearing Association's written examination for clinical competency in speech-language pathology continues to be above average. For the 14 students above, the average score was the 69th percentile.

5. Bachelor's of Science Graduates in Sign Language Interpreting and their status

Riva Lippert Employed full-time at KOB-TV as director of the weekday evening news. Part-time free lance interpreter for the New Mexico Registry of Interpreters for the Deaf.

Holly Jacobson Free lance interpreter in Atlanta, Georgia until this October. Will be recipient of scholarship in spoken language interpreter training program at University of Granada, Spain.

Christine Trujillo

Accepted at University of Washington to begin studies for a master's degree in Special Education.

Kirsten Smith

Part time staff worker for NMRID Interpreter Referral Center. Offered employment beginning this fall as full-time interpreter in California.

Sue Bottomly

Begins work on her M.S. in Special Education at UNM this summer.

Cheri Oberdorfer-

Stromberg

Continues working on her other major in Physical Therapy.

6. Significant Faculty (including "Professional Staff")

Achievements

a. Carol Westby, Ph.D., Adjunct Assistant Professor, obtained two grants. The first was the renewal of the Mountain Bell grant for 1987, for \$110,000. The second was a grant from U.S.D.E. for three years starting July 1, 1987, for \$98,000 the first year and larger amounts the second and third years. She also continues to lecture on communicative disorders in multicultural populations throughout the country for the American Speech-Language Hearing Association (ASHA), and continues as one of the two elected Legislative Councilors from New Mexico for ASHA and President of the N.M. Speech-Language-Hearing Association.

b. Mary Bolton-Koppenhaver, M.A., continues as the other Legislative Councilor from New Mexico to ASHA. She was also promoted from Program Manager to Director of Clinical Services in Speech-Language Pathology.

c. Linda Riensche, Ph.D., Associate Professor, was appointed Presidential Lecturer in Communicative Disorders, effective Fall 1986 for two years, by President Farer.

d. Phyllis Wilcox, M.A., Coordinator of our undergraduate major in Sign Language Interpreting, was honored as the Handicapped Professional Woman of 1986 by the Albuquerque Pilot Club.

e. Lloyd Lamb, Ph.D., Professor, is consulting gratis with American Geriatrics and Gerontology, Inc., of Albuquerque, on speech, language, and hearing problems of Alzheimer's patients, and presented a workshop on the topic in San Diego on June 25-27.

f. Judy Williams continues as President of the Board of Regents of the New Mexico School for the Deaf.

B. Significant Plans and Recommendations for the Near Future.

We have one primary need, besides another supervisor (professional staff), and that is MORE SPACE. With the hiring of two full-time professionals on the Mountain Bell grant, and (another full-time professional starting this August on the U.S.D.E. grant, we are in dire need of more space. I submitted a request to Interim Dean Sturm for 3000 more square feet, but have not had a reply.

C. Appointments to Staff

1. Christine Monikowski, M.A., Lecturer II, Sign Language Interpreting, 9-month appointment, full-time, August 18, 1986.

2. Ramona J. Gilbert, M.A., Audiologist III, on the Mountain Bell grant, July, 1987.

3. Priscilla Garcia, M.A., Speech-Language Pathologist III, on the Mountain Bell grant, July, 1987.

4. Suzanne Miller, M.A., Audiologist II, half-time, May, 1987. This appointment is actually in the Ear, Nose, Throat Clinic, UNMH.

5. Nancy Broad-McMahon, M.A., Audiologist I, half-time. This appointment is also in the E.N.T. Clinic, UNMH.

D. Separations from Staff

Mary Barker, M.A., Audiologist II, from the E.N.T. Clinic, UNMH.

E. Sponsored Projects

1. Mountain Bell Corp., \$110,000 for 1988. Project Director is Carol Westby, .25 FTE. Full-time professionals are Janie Gilbert, Audiologist, and Priscilla Garcia, Speech-Language Pathologist. The project is called New Mexico Rural Speech and Hearing Program. Briefly, it entails testing the

speech and language and/or hearing of preschool children and senior citizens throughout rural New Mexico, and making recommendations for remediation to those with problems.

2. United States Dept. of Education, Preparation of Personnel for Minority Handicapped Children. The project is called Multicultural Training in Communicative Disorders, and was obtained by Dr. Carol Westby. The grant is for \$98,000 the first year, July 1, 1987 through June 30, 1988, and for larger amounts the next two years. Dr. Westby will coordinate the grant half-time. A full-time, bilingual (Spanish) speech-language pathologist will be hired soon, to function primarily as the supervisor of some of our graduate students. Four graduate students and two undergraduate students will receive stipends. The main purpose of the grant is to train graduate students to work with bilingual children who have communicative disorders, and with their teachers and families. There are also several research opportunities within the grant.

UNM Department of Economics Annual Report

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July 1, 1986 - June 30, 1987

Alfred L. Parker, Chairman

This Report provides a general discussion of some of the major achievements of the UNM Department of Economics during the 1986-87 academic year. It also identifies the major problems that the department faces at this time and the departments plans for the 1987-88 academic year.

A. Significant Achievements During the Academic Year

The Department has achieved results that are worthy of note in several areas of activity.

1. Research Money Generated and Support of Graduate Students

As indicated in table 1, the dollar amount of sponsored research generated by the Department of Economics has remained well below the 1979-80 and 1980-81 levels, however the considerable efforts of members of this faculty has helped to maintain sponsored research at more than \$300,000 for the 1986-87 academic year. These funds have provided support (through release-time money) for graduate students and thus helped to maintain the viability of our graduate programs.

The lack of support for Economics graduate students was addressed in two department evaluations conducted by outside evaluators during the

1985-86 academic year. This continuing problem will be discussed in some detail later in this report.

2. Graduate Degrees Awarded

During the 1986-87 academic year the Department of Economics awarded a total of six (6) Ph.D. degrees and two (2) Master of Arts degrees. As summarized in table 2, the Department of Economics has awarded between six and nine graduate degrees in each of the past seven years. There is concern that this department will not be able to sustain this level of graduate degrees awarded given the reduced level of financial support available over the past six years.

The six Ph.D. students receiving their degrees in 1986-87 are listed below, along with their dissertation titles, the chairman of their dissertation committee and their current place of employment.

<u>Name</u>	<u>Dissertation Title</u>	<u>Advisor</u>	<u>Current Employment</u>
Erick Erickson	"The Economics of Interacting Natural Populations: A Case Study of Interrelated Pest Control	Cummings	Dept of Soc.Sciences Univ. of Missouri Rolla, Missouri
Wade Martin	"Management of a Tributary Aquifer"	Burness	Dept. of Economics Univ. of Michigan Flint, Michigan
Li Ya Shieh	"On Monetary Policy Strategies of Taiwan, The Republic of China: A Theoretical and Empirical Investigation"	Chung	Dept. of Economics Tsing Hua University Taiwan, ROC

Ross J. Thomas	"Projecting the Demand For Wilderness Recreation: A Case Study in New Mexico"	Norton	Unknown
John Tysseling	"The Economic Impacts of Alternative Pueblo Indian Water Rights Resolutions in New Mexico"	Ben-David	Economist State Land Office State of New Mexico Santa Fe, NM
Rick Lotspeich	"Decision Making in Subsistence Agriculture: A Frame For Analysis"	Ben-David	Economist Los Alamos Natl. Lab Los Alamos, NM

The supervision of these dissertations represent a considerable commitment of time and effort by the members of this faculty who served as chairman and as members of the various dissertation committees.

3. The Micro-Computer Lab

At least two members of this faculty (Ben-David and Church) have devoted a considerable amount of time developing classroom materials, revising course materials and reviewing materials available from a variety of sources for use in the new micro-computer lab.

The remodeling of the Economics Department's offices (a part of the new Social Science Complex) interrupted the development of this resource, but plans have been made for the Economics Department to resume the service of handling software and providing access and appropriate security for the equipment in this new lab that is used by departments throughout the campus. In addition the Economics Department in cooperation with the Sociology Department will staff Laboratory hours scheduled for each afternoon in the micro-computer lab.

4. Development of a New Evening Masters Program

A new Masters Program in Economics has been designed to provide part-time and full-time students with an opportunity to pursue graduate study in economics in evening courses (after 5:30 P.M.) Monday through Thursday.

The rationale and focus of this program will be discussed later in this report.

B. Significant Plans and Recommendations

The Department of Economics has continued efforts improve its undergraduate and graduate offerings to better meet the needs of our students and to take advantage of the strength of our faculty. The comments provided in this section identify some of the areas of concern of the Department and the Departments response to them.

1. High enrollment in a number of upper division courses

High enrollment in upper division courses continues to be a serious problem in the undergraduate economics program. During the 1986-87 academic year there were seventeen (17) sections of upper division classes with enrollments in the range of 40 to 139 students. The upper division courses that experienced these unreasonably high enrollment figures are the following:

Fall 1986

Econ 300.002 Intermediate Micro Theory	40 students	Thomas
Econ 300.005 Intermediate Micro Theory	41 students	Conrad
Econ 300.006 Intermediate Micro Theory	41 students	Sass
Econ 315.001 Money and Banking	139 students	R. Sauer
Econ 315.002 Money and Banking	48 students	Chung
Econ 315.004 Money and Banking	55 students	Chung
Econ 330.001 Consumer Economics	42 students	Hamilton

Spring 1987

Econ 300.001 Intermediate Micro Theory	42 students	Gregory
Econ 300.002 Intermediate Micro Theory	46 students	Burness
Econ 300.003 Intermediate Micro Theory	77 students	Gisser
Econ 300.004 Intermediate Micro Theory	54 students	Conrad
Econ 300.005 Intermediate Micro Theory	62 students	Sass
Econ 300.006 Intermediate Micro Theory	62 students	Conrad
Econ 315.001 Money and Banking	117 students	Chung
Econ 315.002 Money and Banking	116 students	Parker
Econ 315.003 Money and Banking	50 students	Chung
Econ 331.001 The Econ of Poverty	66 students	Hamilton

Classes of the size listed above do not provide an appropriate classroom environment for undergraduate students enrolled in these demanding courses. Accordingly, the department has made every effort possible to increase the number of sections of these courses offered each semester. This has included, where possible, the use of advanced Ph.D. students to teach Intermediate Micro and Macro Theory courses (Econ 300 and Econ 303).

The Department will continue its efforts to deal with this problem.

2. ASM Finance Courses for Economics Undergraduate and Graduate Students

Efforts by this department to gain access to ASM Finance courses have not met with success. Undergraduate and graduate students in economics

remain effectively excluded from the Financial Management courses offered in the ASM. The limitation on the number of graduate offerings in the economics department as a result of the decline in graduate enrollment makes the availability of a field in finance a more attractive option for economics Ph.D. students and a much needed supplement to our graduate offerings.

Professor Church is developing a new 300 level finance course (a course that may be taken for graduate credit.) This course will emphasize the economic theories underlying capital markets and their application to actual markets and the individual investor. This course will help to fill a serious gap that has existed in our undergraduate and graduate programs.

3. Economics Department Faculty -- A Period of Transition

The Department of Economics continues in a period of transition -- as a Department that had had a very senior faculty is transformed into a Department with a significant number of junior faculty. This transition is the result of the retirement, within a relatively short time frame, of a number of senior faculty and the replacement of these senior scholars with young Assistant Professors. The retirement of Professor Boyle this year and the anticipated retirement of Professor Hamilton next year will continue this process.

In replacing these respected members of our faculty the department will have to make some difficult decisions concerning the fields and the

academic rank in which to recruit. Given our demonstrated inability to retain quality young faculty, the department will carefully consider hiring at the associate and/or full professor rank.

C. Appointments to Staff

The Department of Economics has hired two new faculty members for the 1987-88 academic year. These new Assistant Professors, the institutions in which they received their Ph.D degrees and their primary research and teaching interests are listed below:

Alok Bohara, Ph.D. University of Colorado, Econometrics, Time Series Analysis and Mathematical Economics.

Chris Nunn, Ph.D. University of Wisconsin, Madison, Resource Economics, Economics of Law, Institutional Economics.

D. Separation of Staff

Professor Gerald Boyle retired effective June 30, 1987 after a long and distinguished career at the University of New Mexico. During his tenure at the University of New Mexico Professor Boyle established a strong reputation in the field of Public Finance with an emphasis on State and Local Finance. He served as advisor to numerous State agencies and Legislative Committees and many of his students currently fill important positions in State and local government.

Assistant Professor Tim Sass has resigned his position in this department effective June 30, 1987.

E. Sponsored Research or Other Projects

Six of the departments eighteen (18) full time faculty were involved in submitting project proposals to outside agencies for funding during the 1986-87 academic year. This represents approximately 33% of the faculty of this department seeking funds for sponsored research.

Two (2) of the proposals submitted to outside agencies were successful in obtaining funding. A listing of projects funded during the 1986-87 academic year and the dollar amount of the budget for each project is provided in table 3.

F. Economics Graduate Program -- A Status Report

Graduate enrollment in the Department of Economics during the 1986-87 academic year averaged less than forty (40) students a semester. Graduate enrollment averaged over sixty (60) students a semester during the 1975-76 academic year and over fifty (50) students a semester in the early 1980s (See table 4). This decline in graduate enrollment is to a large extent a reflection of the lack of financial support for graduate students and the inability of this Department to make offers to strong applicants to the graduate program in a timely fashion. The fact that about half of our support for graduate students is provided by release time monies means that we are never sure about how many students we can support until very late in

June or early July. By this time the quality students who had expressed interest in our graduate program have accepted offers to attend graduate school elsewhere.

As emphasized by the two review committees who examined our graduate programs during the 1985-86 academic year, an increase in the number of TA and RA positions is critical to the maintenance of our Ph.D. program. The current level of funding for TAs plus release time money permits the department to support approximately one-half of the number of graduate students that we supported during the 1970s (See table 5). This severely limits our ability to attract quality students and this in turn limits the number of graduate courses that can be offered each semester.

The positions held by recent Ph.D. students (listed above) indicates that we are able to place our students in excellent research and academic positions upon graduation. The level and the uncertainty associated with financial support for graduate students remains a serious problem for this department in its efforts to develop and maintain quality graduate programs.

The New Evening Masters Program -- One response to declining graduate enrollments in our traditional graduate programs has been the development of a new Evening Masters Program in Economics. This new program represents a commitment of this Department's faculty to offer twelve to fifteen hours of graduate level courses during evening hours (after 5:30 P.M.) each semester. It is the objective of the new Evening Masters Program to provide motivated individuals, from a range of educational backgrounds (but with a minimum of formal training in economics), with an opportunity to develop skills in

important areas of economic analysis.

The emphasis of the new Evening Masters Program is on the application of economic theory to real world problems. This includes applications in both the private and public sectors, applications dealing with urban and regional development, tax revenue and public expenditure programs, personal finance and the operation of financial institutions, the management of public lands, the efficient allocation of limited natural, human and capital resources, and much more.

Efforts to publicize this new program have been initiated with the support of the Division of Continuing Education and the Office of Evening Programs.

A brochure providing a detailed description of this new program has been attached to this report.

Table 1 -- UNM Department of Economics
Sponsored Research Money Generated

<u>Academic Year</u>	
1979-80	\$1,371,552
1980-81	997,210
1981-82	194,826
1982-83	57,591
1983-84	103,533
1984-85	522,298
1985-86	380,662
1986-87	310,667

Table 2 -- Received Degrees Awarded by the
UNM Department of Economics

Academic Year	Economics Majors	Economics Minors	Masters Degree	Ph.D. Degree
1980-81	45	12	6	3
1981-82	42	13	5	1
1982-83	59	16	4	3
1983-84	32	6	5	1
1984-85	47	1	1	5
1985-86	18	3	4	2
1986-87	37	6	2	6

Table 3 -- Funded Research Projects, 1986-87

<u>Principal Title Investigator</u>	<u>Funding Agency</u>	<u>\$ Amount</u>	
Land and Water Cummings Use Planning in State Lands	State Commission of Public Lands	\$224,000	
Study of Rural Poverty in the Southwest, Ford Foundation	Ford Foundation	\$66,667	Brown

Table 4 -- UNM Department of Economics, Graduate Enrollment

<u>Academic</u>	<u>Graduate Enrollment</u>	
	<u>Fall Semester</u>	<u>Spring Semester</u>
1974-75	50	51
1975-76	62	59
1976-77	49	42
1977-78	35	37
1978-79	37	41
1979-80	54	53
1981-82	59	51
1982-83	53	48
1983-84	46	42
1984-85	46	40
1985-86	38	35
1986-87	34	38

Table 5 -- Financial Support to Graduate Students

<u>Academic Year</u>	<u>Regular TAs</u>	<u>Special TAs</u>	<u>RAs</u>	<u>Scholarships</u>	<u>Total</u>
1980-81	7	8	16	1	32
1981-82	7	8	16	1	32
1982-83	7	6	7	1	21
1983-84	7	7	6	2	22
1984-85	7	7	1	2	17
1985-86	8	7	1	1	17
1986-87	8	4	0	1	13



ANNOUNCING A NEW MASTERS PROGRAM IN ECONOMICS

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Offered By The Department of Economics
The University of New Mexico

The New Masters Program in Economics has been designed to provide part-time and full-time students with an opportunity to pursue graduate study in economics in evening courses (after 5:30 p.m.) Monday through Thursday.

The study of Micro-Economics Theory, Macro-Economic Theory, Econometrics and the other fields of Economics includes the development of research tools capable of providing valuable insights into a wide variety of problems and policies. It is the objective of the "new" Evening Masters Program to provide motivated individuals, from a range of educational backgrounds (but with a minimum of formal training in economics), with an opportunity to develop skills in important areas of economic analysis.

The emphasis in this new masters program is on the application of economic theory to real world problems. This includes applications in both the private and public sectors, applications dealing with urban and regional development, tax revenue and public expenditure programs, personal finance and the operation of financial institutions, the management of public lands, the efficient allocation of limited natural, human and capital resources, and much more.

Employers in today's financial institutions, public utilities, government agencies, research laboratories and other private businesses (large and small) have a need for employees with an ability to apply economic analysis to the problems they face. Although we cannot guarantee that economic analysis will necessarily identify "the solution" or "the answer" to a specific problem, the application of economic analysis can help the decision maker to identify, quantify and evaluate the consequences of alternative courses of action.

The field of Econometrics has in recent years attracted the attention of businessmen and policy makers. Econometrics provides some important tools that may, when carefully applied, help us understand and/or project or predict economic performance. Forecasting future economic performance is certainly an important element of this field. The economist's performance as a forecaster is reflected in the well known and often repeated forecasters motto -- "Often wrong and never in doubt." An understanding of the principles and concepts of the field of Econometrics and the limitations of their application is clearly an important area of study that will appeal to many students in the new masters program. Other fields of economics will appeal to a more selective grouping of students.

Course offerings in the evening masters program will include courses from the following fields:

- Micro-Economic Theory
- Macro-Economic Theory
- Econometrics
- Monetary Theory and Banking
- Public Finance
- Regional Economics
- Industrial Organization
- Labor Economics
- Natural Resource Economics
- International Economics
- Economic Development

Graduate students may pursue an MA degree in Economics under either of two plans of study as outlined below. It is not necessary to select the plan of study that you wish to complete prior to enrollment in the graduate program.

MA Plan I (Thesis Option)

1. A minimum of 24 hours of course work, including at least 15 hours at or above the 400-level in Economics.
2. A minimum of 6 hours of 500-level courses.
3. A minimum of 6 hours of thesis (599) credit.
4. At least 18 hours completed in residence at UNM.
5. A limit of 6 hours of problems courses.
6. Specific Requirements
 - a. Economics 400 and 404 (B or better).
 - b. Economics 495 (one credit hour).
 - c. A thesis oral examination.
7. Prior approval of all courses by the student's Committee on Studies.

MA Plan II

1. A minimum of 32 hours of course work, including at least 15 hours at or above the 400-level in Economics.
2. A minimum of 6 hours of 500-level courses.
3. At least 26 hours completed in residence at UNM.
4. A limit of 6 hours of problems courses.
5. Specific requirements:
 - a. Economics 400 and 404 (B or better).
 - b. Economics 495 (one credit hour).
 - c. A field examination (9 course hours in one area of studies with a grade of B or better in each course will be accepted as a field)
6. Prior approval of all courses by the student's Committee on Studies.

The student may pursue the course of study leading to a master of arts degree in economics at a pace appropriate for his or her schedule and his or her desire or need to complete the degree requirements. The completion of two courses (6 hours) an academic year (one course each semester) would lead to a masters degree in five years. The completion of three courses (9 hours) an academic year would lead to a masters degree in less than four years. The completion of four courses (12 hours) would lead to a masters degree in less than three years.

Students selecting the thesis option may choose a thesis topic directly related to the industry in which the student is currently employed -- this may be a research topic of direct interest to the management, board of directors and/or administrators to which the student is directly responsible. This topic, selected with the advice and consent of a member of the economics faculty, must be a subject appropriate for a masters thesis in economics. The availability of data unique to your industry may provide a basis for an empirical thesis that would simply not be possible for other graduate students.

The use of Problems Courses (Econ 451 and 452) may also make it easier for the part-time student to progress toward the masters degree in economics. A Problems Course (arranged with a member of the economics faculty) is an independent study course directed by a faculty member that permits the student to pursue a special area of study through the development of a bibliography for a specific topic and the preparation of a paper on the same topic. Although the student would be expected to meet with the faculty member supervising the paper on a regular basis, no class meetings would normally be involved.

It is our hope that these brief comments have stimulated your interest in our new Evening Masters Degree Program. It may also have generated some questions that you would like to have answered.

For additional information concerning this graduate program, application forms and answers to your questions, please call 277-5304 and ask to speak to one of the following members of our faculty:

Alfred L. Parker, Chairman, Department of Economics

Shaul Ben-David, Director of Graduate Program

Ronald G. Cummings, Professor of Economics

or write: Department of Economics
University of New Mexico
Albuquerque, NM 87131



How Do You Apply For Admission to the New Masters Program?

Applicants for admission to graduate study in economics must hold a bachelor's degree from an accredited college or university.

Although each application is reviewed individually, in general the student must present averages of at least B in his or her last two undergraduate years and in his or her major field.

Admission Procedure

1. A formal application is required of all new students, including graduates of the University of New Mexico, and of any student seeking readmission to graduate study after an absence of a semester or more. Application forms are available from the Graduate Office (277-2714) and from the Department of Economics (277-5304).

2. A nonrefundable application fee of \$25.00 must accompany the application. This fee is paid only once.

3. Applicants from other institutions must have two copies of their transcripts sent directly to the Office of Graduate Studies from each institution previously attended,

undergraduate or graduate. Even though a master transcript may carry records from other institutions, it is mandatory that these records be sent by each institution. Transcripts in the possession of students will not be accepted for admission purposes.

4. The applicant is required to write a letter describing his or her interest, professional objectives, and any other factors bearing upon qualifications for graduate work. This letter should be sent directly to the department chair.

5. Three letters of recommendation are required of all applicants. NOTE: All letters of recommendation should be sent directly to the Department of Economics.

What Are The Prerequisites For Graduate Study in Economics?

Students who have not taken intermediate level micro and macro theory courses as an undergraduate (Econ 300 and Econ 303 or their equivalent) must remove these deficiencies prior to enrolling in Econ 400 and Econ 404. Courses taken to remove these deficiencies do not carry graduate credit.

What Are the Application Deadlines?

Department of Economics Application For Admission And Financial Aid deadlines are indicated below:

Fall Semester: July 1

Spring Semester: December 1

Summer Session: April 15

What can you do if you have missed the deadline for next semester?

Call the Department Chairman (505)277-5304 or the Director of Graduate Studies in Economics (505)277-6424 and ask about enrolling as a "non-degree" student.

TUITION AND FEES

Tuition and fees are payable when the student is billed during the pre-registration process, or at the time of the walk-through registration for students who have not pre-registered. Registration cannot be completed until tuition and fees are paid. All tuition and fee charges are subject to change without notice.

GRADUATE STUDENT TUITION AND FEES, 1987-88:	Semester Hours	Resident Fees	Non Resident Fees
Part-time Enrollment	3	\$142.50	\$142.50
(6 hours and under, \$42.50 per semester hour)	6	270.00	270.00
Full-time Enrollment	9	\$397.50	\$1403.25
(Residents \$42.50/hr, Non-residents \$154/hour)			

A \$15 non-refundable fee included.

CLASS SCHEDULE -- FALL SEMESTER 1987

Course	Title	Time	Days
Econ 400	Applied Micro-Theory	5:30-6:45 PM	MW
Econ 404	Applied Macro-Theory	5:30-6:45 PM	TT
Econ 440	Regional Analysis	7:00-8:15 PM	TT
Econ 442	Natural Resources	7:00-8:15 PM	MW
Econ 509	Econometrics	7:00-8:15 PM	TT
Econ 300*	Micro-Economic Theory	5:30-6:45 PM	MW
Econ 315*	Money and Banking	5:30-8:10 PM	H

* Economics graduate students may not earn graduate credit in these courses.

COURSE DESCRIPTIONS

Econ 400.001 Applied Microeconomic Theory Professor Cummings

Theory of Individual Behavior, The Firm, Markets, and Distribution. Applications: Capital Theory, Theory of Markets, and The Microeconomic Foundations of Macroeconomic Inquiries.

Prerequisites: Econ 300 or permission of instructor.

Econ 404.001 Macro-Economic Theory Professor R. Sauer

A "hands-on" approach to Macroeconomics. Minor emphasis on advanced intermediate macro theory. Major focus is on using standard macro and statistical techniques for individual decision making. Computer-intensive. Will run simulations of highly simplified macro models, use current data to make forecasts of economic indicators; term paper required.

Prerequisites: Econ 303 or Econ 315 or permission of instructor.

Econ 440.001 Regional Analysis Professor McDonald

Regional economics represents a framework within which the spatial character of economic systems may be understood. It seeks to identify the factors governing the distribution of economic activity over space.

Course emphasis will be on the analysis of a region's economy, how regions develop economically and the location patterns and decisions of businesses and individuals. Regional analysis methods covered will include input/output, shift-share and econometric models. Regional data availability and measurement issues will also be stressed.

Regional economic applications will emphasize the New Mexico and Albuquerque area economy.

Econ 442.001 Natural Resources Professor Hunn

Land, water, mineral, energy resources; development, allocation, pricing; productivity and effects on national income and balance of payments.

Prerequisites: Econ 300 or permission of instructor.

Econ 509.001 Econometrics Professor Ben-David

Introduction to stochastic processes. Applied time series. Econometric and Box Jenkins models. Qualitative dependent variable models. Distributed Lag models. Computer application will be emphasized.

Prerequisite: Econ 409 or permission of instructor.

Econ 300.009 Micro-Economic Theory

Intermediate level micro theory with emphasis on equilibrium models under perfect and imperfect competition.

Prerequisite: Econ 201 or permission of instructor.

Econ 315.003 Money and Banking Professor Gisser

The principles of money, credit and banking. Includes an examination of the structure, organization and operation of the banking system of the U.S. Emphasis is placed on the relationship between the money supply and the level of economic activity (output, employment, and prices).

Prerequisites: Econ 200 & 201 or permission of instructor.

RECEIVED

College of Arts and Sciences
Department of English
Annual Report 1986-87
Submitted by David McPherson, Chair

JUL 09 1987

COLLEGE OF ARTS
AND SCIENCES

In the opinion of the chairperson, the single most important task which faced the English Department in 1986-87 was the replacement of four long-time professors, three who resigned at the end of the 1985-86 year, and one who retired at the end of the 1986-87 year. Resigning last year were, in alphabetical order, William C. Dowling, Morris Eaves, and Hamlin Hill. These three posts remained vacant during the 1986-87 year. Retiring in July 1987 was Roy Pickett.

The decision was made to replace each of these professors with someone in the same field as the person who departed. Joining the staff in August 1987 will be the following: Carolyn Woodward, who will be an Assistant Professor, replacing Dowling, specializing in eighteenth-century literature (and--at this point unlike Dowling--feminist criticism and women studies). She is finishing her Ph.D. at the University of Washington. Replacing Eaves will be Gary Harrison, who will also be an Assistant Professor, specializing in Romanticism (and the New Historicism). He has just been granted his Ph.D. by Stanford. Replacing Hill will be Gary Scharnhorst, who has been Associate Professor and Associate Dean, School of Arts

and Humanities, University of Texas at Dallas. His specialty is American Literary Realism. He will be an Associate Professor. Professor Pickett's place on the composition faculty will be filled in 1987-88 by Wanda Martin, who received her Ph.D. in May from the University of Louisville. However, she was hired as a Visiting Professor rather than as a regular Assistant Professor. The Department also joined a national search, along with Women Studies and Native American Studies, for someone to teach Native American literature. At the time this report was being written, it was still not clear whether the position would be funded. Nevertheless, two candidates were brought for on-campus interviews.

Also important to the English Department were personnel changes concerning professors who are--or were--part-time English, part-time American Studies. Sam Girgus began the year as .60 American Studies, .40 English. In spring 1987 he requested and was granted permission to become .67 English, .33 American Studies. He was also granted tenure in English. In May he resigned to accept a position at the University of Oregon, leaving us with (in effect) a vacant 2/3 of a position. Then Peter White, who has been .67 English, .33 American Studies, asked to become .50 English, .50 American Studies. This permission was granted. Furthermore, Gary Scharnhorst agreed, before actually having begun employment at UNM, to go .83 English, .17 American Studies. In return for getting a bigger share of White and

a small share of Scharnhorst, American Studies agreed to give their 1/3 of the Girgus position to English. The chairman has announced that Girgus' replacement will not necessarily be in American literature, though that is one of the possibilities. The department will decide in August 1987 where its highest priority lies.

All in all, then, developments in the recruiting field were marked by considerable success, though much remains to be done. The hiring of Woodward, Harrison, and Scharnhorst may be regarded as successes. We are fortunate to have secured the services of Wanda Martin in Visiting Status, but we look forward to filling the job with a tenure-track appointment. We also look forward to filling the Girgus position.

There were also important changes in personnel at the staff level. Katy Martin, long-time administrative assistant in the department, will retire July 1, 1987. A tentative offer of the job was made to Margaret Shinn. Also during this year Marta Field, manuscript typist, resigned and Elizabeth Abbott was hired in her place. Robin Tawney was replaced as journals editor by Justina Shoemaker.

In the area of professional salaries the Department in the fall adopted a salary policy which called for some cost-of-living raises each year and adopted a merit pay plan with 35% of merit money to be distributed on the basis of publication, 35% on teaching performance, 15% on service, and 15% at the discretion of the chair. A departmental

salary committee recommended inequity raises for fourteen faculty, raises based in part on the new salary policy. The raises ranged from \$400 to \$3,560 per annum. All recommended raises were approved, and went into effect January 1987.

Promotion and tenure cases came out as follows: Rudolfo Anaya was promoted to full professor. Awarded tenure and promotion to associate professor were Lynn Beene, David Dunaway, and Louis Owens.

The Department is proud of its record in teaching, research, and service. While most members of the Department question some of the specifics of the Dean's merit point system, and some question the very concept itself, the fact is that the Department does well in that measuring system. In 1986, according to Interim Dean Sturm's memo of May 22, 1987, the English Department ranked ninth of twenty departments and was above average (computed two different ways) and above the median as well. We rank eighth in a three-year average. According to this system, then, which attempts to measure both publications and service, we are an above-average department. In our own teaching evaluations, which use the standard student Grade Point Average scale (an A=4.00) the Departmental average grade which students gave their professors was 3.60--a rather astoundingly high figure.

Turning from personnel to facilities, one notes with pleasure the dedication of our new Departmental library on

April 3, 1987. Christened the Leon Howard Memorial Library, it is located in Humanities Building 324. The festivities also honored Katy Martin, who had taken the lead in developing and furnishing the new facility.

Confirmation of the solid reputation of the Department on campus and a crucial recommendation for maintaining that reputation came from the Strategic Planning Committee Report. The section on the English Department, which came to us in a memo of May 20, 1987, urges that "the University assure strong leadership for the Department of English" because "the Department recently lost three senior faculty and the Department needs to stabilize its reputation for excellence at both graduate and undergraduate levels of instruction." The successful recruiting of Woodward, Harrison, and Scharnhorst should go a long way toward implementing the Committee's recommendation.

Administratively the Department has five major sub-divisions. A report from the director of each of these is attached: Freshman English, Undergraduate Studies, Graduate Studies, Creative Writing, and Professional Writing. (Footnote: Despite the Chair's urging, some of these documents are not so much reports as they are a list of recommendations for improvements.)

Freshman English Program

Annual Report 1986-87

Submitted by Fred Warner, Director

1. FE once again has done what it is supposed to do. It has provided solid, responsible teaching for the thousands of students in FE classes.
2. To improve the good teaching that now exists, there must be greater commitment to teacher training and to teacher evaluation. This will necessitate class visits by members of the regular faculty, consultation with the FE Director and the Assistant FE Director, and conferences with FE teachers.
3. The regular faculty should teach in the FE program on a regular, no-exception basis. This will be good for the program, good for the teachers already in it, and probably good for the regular faculty.
4. The FE Director and the Chairman of the English Department should do all in their power to educate the University's highest administration about the ways in which this program works.
5. Additional administrative positions in the FE program should be created and funded so that the mission of the program can be fulfilled more completely. Many

programs the size of ours have many more such administrative positions.

6. The 102 final exam grading procedures should be altered. The mass grading now occurring is cumbersome and inefficient.
7. The FE program should sever all ties to American Studies.
8. The FE program should withdraw 101 and 102 from the CLEP.
9. The FE program must work persistently with all parts of the University administration to create an orderly, fair, and consistent means of processing transfer students who have taken FE courses from other universities .
10. We should no longer allow a student to pass the final, fail the course, and thereby satisfy the University "exit" requirement. Nor should passing the final be a necessary determinant in passing the course. The grade in the course should be the only index of a student's performance and proficiency.

11. The salaries of the FE Director and the Assistant FE Director, and the Administrative Assistant [JoAnne] should be substantially raised.

12. Chris Madigan did an outstanding job as Assistant Director. He worked very hard, above and beyond the call of duty, was always innovative, always professional. I believe it is essential that he continue to work in the FE program.

13. Since I believe in the FE program, since I believe it is essential to this University, I do not care to imagine what it would be like without JoAnne. In twenty-six years of college teaching, I have never met any person in an administrative position who combined such diligence, professionalism, and skill.

Undergraduate Studies Program

Annual Report 1986-87

Submitted by Paul Davis, Director

If graduation statistics are an adequate measure, the undergraduate program is back to good health. We graduated the second largest number of majors in the A&S College this year. Our 50 graduates put us at roughly the same level as Economics and Political Science and still considerably

behind Psychology (66). The most notable growth among our major concentrations was in the Professional Writing Concentration. We have nearly reached the limit of the number of students we can handle in that program with our present faculty. Among the several graduates from that concentration was one of our two summa cum laude graduates this year. If any of our majors has weaker numbers this year than usual, it is probably the creative writing program where we had only one graduate.

More notable than the number of majors is their quality, We had eleven honors graduates this year, nearly 3 times the number in recent years. They were a distinguished group, including 2 summas and 3 magnas.

List with Honors

Daniels, Steve	Cum laude
deForest, Christopher	Summa cum laude
Julian, Jessica	Cum laude
Lindquist, Julia	Magna cum laude
Maddy, Coleen	Cum laude
Murphy-Dye, Jennifer	Magna cum laude
Parker, Todd	Summa cum laude
Parry, Doris	Cum laude
Strunk, Sandra	Cum laude
Zeilenga, Kelly	Magna cum laude

Eleven English majors were among the 44 awarded honors from the General Honors Program. There we displaced Psychology as the department producing the most candidates:

Alan Behr--Summa cum laude	Kelly Kekich--Magna cum laude
Nora Barry--Certificate	Coleen Maddy--Summa cum laude
Kevin Bean--Magna cum laude	Todd Parker--Summa cum laude
Cynthia Fanning--Cum laude	Deborah Ann Travis--Cum laude
Jeff Gilmore--Cum laude	Kelly Zeilinga--Magna cum laude
Jessica Julian--Cum laude	

While there is some overlap between the two lists, there are several students who appear on only one. In short, 18 of our 50 graduating seniors were ranked as honors students by either the Department or the General Honors Program.

Our two summa cum laude graduates, Todd Parker, a literature major, and Christopher deForest, a professional writing major, were awarded jointly the undergraduate writing prize. Parker, who won Mellon and Fulbright awards for graduate study, plans to attend Oxford next year and then return to Cornell to do graduate work. deForest has no plans at this time for further study. Coleen Maddy, another of our honors graduates will go to the University of Iowa on a teaching assistantship. Kelly Zeilinga will enter our M.A. program.

This very successful year is partly a result of the concentrated work of the Undergraduate Committee over the last several years to expand the honors program and to recruit well-qualified students. I do not expect as many honors students next year, but we should consistently have more than we had 5 years ago.

The main task of the Undergraduate Committee this year was developing the new 131-132 course. The planning was largely done by a sub-committee of four, David Johnson, Pat Smith, Joe Zavadil, and Paul Davis, who will team-teach the course this fall. Planning for the first semester is complete. English 131 will include 3 units and will introduce students to many of the major texts of the Western tradition from the Greeks through the Renaissance. The second semester, which will be planned in greater detail during the fall, will cover the Enlightenment to the present. A more detailed description of the course is appended to this report.

The Undergraduate Committee has applied for a grant from the National Endowment for the Humanities to support the introduction of this course.

English 131-32--Literature (3-3)

An introduction to world literature from ancient Greece to the present, concentrating on the Western literary tradition complemented by texts from other traditions.

131--The classical world, the middle ages, and the renaissance, including works by Homer, Sophocles, Vergil, Dante, Chaucer, Machiavelli, Rabelais, Shakespeare, and selections from the King James Bible.

132--From the seventeenth century to the present, focusing on the literature of individualism, rationalism, romanticism, and modernism, including works by Milton, Rousseau, Wordsworth, Marx, Whitman, Freud, and Eliot.

Topics for English 131

The Ancient World: Duty and Authority

A dominant theme of ancient philosophy and literature is the question of duty or moral obligation as it calls into play various conflicting sources of authority: duty to gods or a divine order, duty to the polis or the Republic, duty to family or gens or ancient tradition. The problem is at its most acute when several of these sources of moral authority are brought into open conflict, demanding that (1) the individual choose one source of authority to the exclusion of others, or (2) attempt to reconcile opposing sources of authority in order to achieve a new moral or ethical synthesis. Readings will include a Sophoclean tragedy, the Odyssey, the Apology and

Phaedo, de Officiis, The Aeneid, and poems by Horace and Juvenal.

The Middle Ages: Hierarchy and Order

Medieval culture is permeated with the notion of hierarchy, which basically represents all things as existing in ordered relationship, ultimately with God. One sees an ascending order of being in nature; the state is structured according to well-defined classes, from peasant to king; a moral order is established in a pattern of ascending virtues; the entire universe is a harmony of spheres radiating out and up from earth to God. And all the several orders in the total system or in any specific hierarchy are (or should be) in communication with one another in an ascending and descending flow of duty and responsibility. Literature persistently reflects the hierarchy of medieval thought and out-look. This course will begin with readings from the New Testament (with perhaps some Old Testament Job for contrast) and follow with Augustine, Chanson de Roland, Dante's Comedy, and Chaucer.

The Renaissance: Human Knowledge and Control

The renaissance explores human potential. It turns with a new curiosity and exuberance to the

study of the human body and the physical world, asking what it means to inhabit a body, to dwell in a natural world. The renaissance revived classical learning, but it studied the old with a new emphasis, as part of an exploration of the dimensions of human experience and the possibilities for human beings to shape their own destinies. Readings will include works by Erasmus, Francis Bacon, and Luther, Marlowe's Dr. Faustus, Shakespeare's King Lear, Machiavelli's The Prince, and the Song of Songs from the King James Bible.

Topics for English 132

The Enlightenment: Reason and Individual Experience

The Enlightenment inherited a belief in a total cosmic order, a confidence that everything had its place in a pre-ordained plan. To this inheritance was added the belief that man, through reason, could comprehend the plan. Scientists studied the cosmos to discover the laws of nature, and from natural law man learned his moral duties and his place in the social order. But this faith was challenged on several fronts. Scientific skepticism undermined the belief in preordained laws of nature; a rising bourgeoisie defied the

established social hierarchy; philosophic empiricism questioned deductive rationalism and its a priori principles. This confrontation between an established rationalism and a rising empiricism produced a literature that both defended and ridiculed old systems of belief and prepared the way for the individualism of the romantic revolution. Readings will include works by Pope, Milton, Moliere, Swift, Voltaire, and Locke.

The Romantic Age: Self-Discovery and Revolution

Romanticism represented a flowering of self-consciousness and the discovery of the "I" in the late eighteenth century. Imagination displaced reason. The instrument of logic and abstraction, reason was drawn to laws and the organization of society. The agent of consciousness, imagination found spontaneous and wonder-filled reflections of itself in nature, its symbolic playground. The romantic hero--often the writer himself or herself--explored the vast reaches of the self, whether discovered in exotic geography and visionary worlds or in the mysterious, sometimes depraved, depth of the human soul. To accommodate these explorations, literature broke out of conventional forms,

seeking a freedom of expression that paralleled the political freedom sought in the French Revolution. Readings will include works by William Blake, Goethe, Mary Shelley, Thoreau, and Whitman.

The Modern Age: Meaning in Myth

Radically redefining traditional notions of theism and atheism, the twentieth century rediscovered the power of myth. "Myths are made for the imagination to breathe life into," wrote Albert Camus, and the modern consciousness, its perception irrevocably altered by Freud, Marx, and Darwin, breathed life into the fragments of traditional culture. Piecing together these fragments into a modern mythology, twentieth century writers gave imaginative order to anxiety, alienation, and despair. Readings will include works by Freud, Jung, T.S. Eliot, Virginia Woolf, Jorge Borges, and George Bernard Shaw.

Graduate Studies Program

Annual Report 1986-87

Submitted by Cheryl Fresch, Director

The Graduate Committee for 1986-87 consisted of the following faculty: Michael Fischer, Robert Fleming, Barry Gaines, James Thorson, Louis Owens, Chapel Petty-Schmitt, Ivan Melada (fall 1986), Patricia Smith, and Lynn Beene (spring 1987).

In 1986-87, there were 87 students enrolled in the English graduate program. George Hartley completed and successfully defended his Ph.D. dissertation, entitled "Language Poetry," under the supervision of Lee Bartlett.

Dixie Lee Larson passed the doctoral comprehensives this year in the areas of the Novel and Nineteenth-Century British Literature. Jon Tuttle passed the doctoral comprehensives in Drama and Modern. Charles Campbell passed the doctoral comprehensives in Literary Criticism and Language and Rhetoric. Elizabeth Monagle passed the doctoral comprehensives in Language and Rhetoric and Nineteenth-Century American Literature. Elaine McCullough passed the doctoral comprehensives in Language and Rhetoric and Modern. New Ph.D. students took the Ph.D. diagnostic examination to indicate the range of their background outside of their field of major concentration. The diagnostic exam was attempted by Daniel Dawson, Myung Kim,

David Klein, and Edwina Romero. The English Graduate program honored Chapel Petty-Schmitt and David Harrell with the George Arms Award for outstanding performances on their Ph.D. Comprehensive Examinations. They were honored in a ceremony held in the Bobo Room, Hodgin Hall, January 21, 1987.

There were some fine performances on the M.A. examination, and the following received degrees.

Fall 1986: Leslie Donovan, Daniel Fredgant, Sandaren Hazlett, Timothy Peterson, and Judith Walker. In Creative Writing, Therese Handley, and Cynthia Vogt both completed their theses and received their degrees. Spring 1987: Jon Bouknight, James Geren, Charles Brior, Deborah Wells, and Becky White; in Creative Writing, Julien Ryner.

Creative Writing Program
Annual Report 1986-87
Submitted by Louis Owens, Director

During the past academic year, the Creative Writing Committee voted to take the following actions:

1. In response to repeated requests by graduate students within our program, reiterated in a proposal by Robert Masterson, the committee has voted to reserve one

section of creative writing per semester to be taught by a recent graduate of our M.A. program. The appointment will be considered a fellowship/lectureship and will be awarded on the one-time-only basis. Graduates holding M.A. degrees in creative writing from UNM will be eligible for the appointment for no more than three years following the completion of the degree. The appointment will alternate between poetry (English 222 only) and fiction (English 221 only), with the first such appointment, for the fall of 1987, going to Sharon Matthews.

We feel this is an important step toward the goal of giving our creative writing graduates actual workshop teaching experience. Eventually we would like to make it possible for graduate students in their second year of work to teach the beginning creative writing workshops.

2. The committee voted to endorse the English Department's co-sponsorship with Women Studies and Native American Studies of a national search for a three-way tenure-track appointment.
3. The committee voted to sponsor two fellowships of \$350 each to be awarded to in-coming candidates for the M.A. in creative writing, with one of the fellowships

designated for a minority student (while neither fellowship will exclude a student from any ethnic background, one of the two will be specifically oriented toward encouraging and supporting minority creative writing students). For the immediate future, the fellowships will be called simply the UNM Creative Writing Fellowships and will be advertised beginning in the 1987-88 academic year.

4. As director of the program, I revised the Creative Writing flier and had the new flier mailed to schools nationwide.
5. As part of our interest in encouraging minority applicants and supporting minority writers nationwide, the committee asked Lee Bartlett to allocate a portion of the annual Poets & Writers budget to projects designed to bring minority writers to New Mexico. As part of this goal, I created the New Mexico Native American Writers Series, sponsored by the New Mexico Humanities Council, the Graduate Students Association, the Lecturers' Committee for Humanities and Social Sciences, and ASUNM. This series brought a dozen American Indian poets and fiction writers to New Mexico for readings in various parts of the state including UNM, Gallup, Navajo Community College, Mescalero, Espanola, and Zuni. With overflow audiences at almost

every reading and enthusiastic responses from American Indian communities throughout the state, this series was a great success, receiving national attention through broadcasts on National Public Radio and radio stations in southern California.

Also in response to this desire to support minority writers, Rudy Anaya arranged for Anna Castillo to read at UNM.

6. The annual Poets & Writers Series, directed by Lee Bartlett, sponsored readings in 1987 by such writers as Quincy Troupe, Jack Hicks, Will Baker, and Carol Berge.
7. The committee voted not to endorse for UNM credit in the future courses taught through the UNM Extension Program.
8. The committee presented to Chair David McPherson a comprehensive guideline for evaluation by points of published creative writing. We feel this to be a very important issue, as criteria for creative writing points in the past have been hazy at best and arbitrary if not whimsical at worst.
9. As the beginning of a new fund-raising drive by the Creative Writing Program, Rudy and Patricia Anaya

contributed \$300 to our Fellowship Fund with the New Mexico Foundation. Subsequent efforts have lagged due to insufficient time and energy on the part of the faculty and the director.

10. The committee voted to liquidate its entire fellowship fund of \$700 by awarding a 1987 Creative Writing Graduate Award of \$350 to two students, Robert Masterson and Evelina Lucero.

11. As new director of the Creative Writing Program, with the ultimate goal of a major re-orientation of the program, I drafted a proposal for significant changes to include a re-instatement of the \$10,000 Creative Writing Fellowship which was taken away from the program several years ago, the creation of a writer-in-residence program, and the possibility of graduate students teaching beginning-level creative writing workshops. In spite of unanimous endorsement by the committee, due to scarcity of funding sources and the expense of such changes, this proposal has been set aside for the foreseeable future.

12. The committee selected as the winner of this year's D. H. Lawrence Fellowship Pulitzer Prize-winning playwright Charles Gordone. We are particularly

pleased to have Mr. Gordone in residence for the summer at the Lawrence Ranch.

13. Wendy Barker and Norman Zollinger, this year's judges for the Academy of American Poets and D. H. Lawrence Fiction Awards, selected Marilyn Barrios and fiction writer Katheryn Beebe as award recipients.

Professional Writing Program

Annual Report 1986-87

Submitted by Scott Sanders, Director

The professional writing concentration continues to grow. At this writing we can count approximately 60 students majoring in professional writing and about 15 minoring. Three majors and two minors graduated in December 1986; three majors and one minor in May of 1987. Significantly, the three majors who graduated in May did so with honors; one, Chris deForest, graduated with summa cum laude honors. Those graduates who have sought employment have found it--working as technical writers and editors, in public relations, and in organizational communications.

The professional writing internship program has established a special relationship with the Nuclear Chemistry Division at Los Alamos Laboratory. We nominated two students, John Stikar and Susan Switzer, for an

internship, and the supervisors at Los Alamos were sufficiently impressed with their credentials that they took both students for twelve weeks of work writing and editing technical bulletins (public information documents). Other students have completed internships with the UNM Publications Office, Total Business Systems, New Mexico Wildlife, The Nature Conservancy, and Honeywell.

Graduate student Kate Marsters was nominated to the UNM Dental Programs to serve as a paid consultant in technical writing. Ms. Marsters was hired and she worked for the Dental Programs in both the fall and spring semesters, lecturing on writing and editing to students, faculty, and staff; preparing a style guide for the Dental Programs; and holding general office hours. The arrangement was successful, and Dental Programs has asked us to nominate another graduate student to serve for 87-88.

New courses continue to be developed. Professor Sanders offered a 320 level course in audience analysis in the spring. Also in the spring, Professor Torres developed a 320-level course in the application of classical and contemporary rhetoric to professional writing. Teaching as a part-time instructor, John Gardner (a professional writer at Sandia Laboratories) taught a course in writing for visual presentation. Discussions are underway to recruit more part-time instructors from the ranks of non-academic professional writers to teach special topics in upper-division writing courses.

Professor Roy Pickett's retirement was announced in the spring. Because of the late date of the announcement and more specifically because of the budget constraints placed on hiring by the administration, we could not actively recruit for a new hire to fill Professor Pickett's line. Roy Pickett taught many courses at the 200-level that are important parts of the professional writing major and minor. He will be very much missed.

Because of Professor Pickett's retirement and because Professors Beene and Dunaway will not be teaching professional writing courses in 1987-88 (Beene will direct Freshman English and Dunaway will be on sabbatical), the Professional Writing Committee changed the curriculum requirements slightly. First, English 220 or 219 (expository or technical writing) may now fulfill sophomore requirements in the major. Before this they were required only in the minor. Second, students may substitute a 320 or 411-level professional writing course for the Senior Project requirement. The effect of these changes should be to relieve some of the pressure for staffing upper-division courses and directing Senior projects caused by increased enrollments in the professional writing concentration.

Professional writing faculty continued to publish in a variety of journals ranging from Journal for Technical Writing and Communication to College Composition and Communication. Faculty also presented papers at national meeting ranging from the International Technical

Communication Conference to the College Conference on Composition and Communication. Professor Sanders was named Associate Editor for Communication Education and Training of the IEEE Professional Transactions journal.

Although not without its disappointments, overall 1986-87 was a good year for everyone involved with the professional writing program.

UNM ANNUAL REPORT
GEOGRAPHY DEPARTMENT
July 1, 1986 to June 30, 1987
Stanley A. Morain
Chairman

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1.0 Overview

Major activities for the academic year included: (1) undertaking a major modernization of the curriculum; (2) organizing and conducting the third Southwest Institute; (3) equipping and modernizing our computer cartography laboratory; and (4) planning for centennial activities in 1989.

2.0 Departmental Achievements

2.1 Curriculum

The major in Geography now requires 37-39 credit hours of lower and upper division course work....reduced from 40-42. The most important change included deleting Geography 363 Spatial Organization as a required course for the major. Although the faculty regards this topic as "core" to the discipline, our enrollment for any given semester, as well as the need to service several other courses for both majors and non-majors, are inadequate to sustain the effort. Geography 363 will be retained in the curriculum, and if future growth in majors warrants, we may again require this topic. Other changes included: (a) adding Geography 399 Topics in Geography for undergraduate emphasis; (b) retitling Geography 385 Advanced Cartography to Computer Cartography in order to emphasize our growing program and capabilities in Geographic Information Systems technology; (c) retitling Geography 395 Man and Nature in America to Nature and

860 Culture in America; and Geography 471 Man-Environment Systems to Human Environment Systems; and (d) deleting Geography 358 Soil Geography and Geography 505 Field Methods.

2.2 Southwest Institute

Dr. Jerry Williams continued to take a primary role in organizing and conducting the Southwest Institute. As this effort grows and attracts enthusiastic followers, it has achieved its own budgetary status under the department's organizational code (10216), has created separate clerical and management functions, and has dedicated office space within the department. During the summer 1987 Institute 100 (lecture)/50 (field) students enrolled from the College of Arts and Sciences, Fine Arts, College of Education, School of Architecture and Planning, and Women's Studies.

2.3 Computer Cartography Laboratory

Our major effort this academic year was to provide basic equipment to our computer cartography facilities. Modern dimensions of geography demand a greater emphasis on the technologies of geographic information system development; digital image processing for aerial and satellite derived data; and the merging of these into spatial data systems for resource inventory and management purposes. The UNM Geography Department together with the Technology Application Center and the Division of Government Research has developed an excellent base for instruction, internships, research assistantships, and career development opportunities.

The items added to the laboratory were as follows:

Digital Geography Laboratory

Hardware:

One IBM PC with 640 kilobytes (Kb) of memory, 2 floppy disk drives (360Kb each), and a 21 megabyte hard disk. An internal modem along with a VT100/Tektronics 1014 terminal emulation program allows communication with the UNM Computing Center computers. This PC has a monochrome graphics display.

One IBM PC with 640Kb of memory, a 360 Kb floppy disk drive, and a 20 megabyte hard disk. This PC has a system monochrome display, a color graphics display, and a video-digitizer preview monitor.

Houston Instruments True Grid digitizing tablet. Active size is 11 by 17 inches, 0.005 inch resolution, and one-button cursor.

Houston Instruments DMP-40 plotter. Maximum plot size is 11 by 17 inches. One-pen plotter with six different colored pens.

DS-88 Digisector video scanner. This device is capable of digitizing air photos, maps, and other hard-copy graphics. High-resolution mode provides images of 512 x 256 pixels. Low-resolution mode provides 256 x 256 pixel images. Eight-bit per pixel format gives a grey scale of 256 levels. Images are processed using the IBM PCIPS package described below.

Epson dot-matrix printer for text print-outs and graphics print-outs of maps and images. This printer is connected to both computers through a manually-operated switch box.

Software:

IBM Personal Computer Image Processing System. Major processing functions of this program are: load/save/display images, extract filtering; parallelepiped multispectral classification; image arithmetic; histogramming and statistics; save/load color mapping tables; image annotation; zoom/reduce/invert images; and printing images and statistics. Maximum image size is 64Kb with a 320 x 320 pixel array. This system can process satellite images, air photos, and maps digitized by the video scanner.

Multimap choropleth mapping program consisting of three modules: digitizing, polygon creation, and map display/plotting. Up to 273 shading patterns can be selected. Nested polygons are allowed. Large maps can be created by piecing together smaller map files. Output maps are in the form of plots, dot-matrix printouts, or photographs of the color monitor screen.

PC-Map II contour/perspective mapping program. Digitized X, Y, and Z data are processed in a grid model using weighted-least squares or kriging. Up to 5,000 grid points are allowed. Output is in the form of contour maps or 3-D perspective views. Plots, dot-matrix printouts, and color monitor displays are supported. This program is used for creation of digital terrain models and statistical-surface maps.

DBase III database management program. This popular microcomputer program is used for the creation of geographical-attribute data files to link with the Multimap program.

SPSS-PC statistical program. Microcomputer version of well-known mainframe package.

HEC 1 & 2 hydrologic simulation programs.

TESSY VT-100/Tektronics 1014 terminal emulation program. This program is used to allow communication with the UNM Computing Center mainframe and minicomputers.

PRODESIGN-II. Computer-aided design software for drawing maps and other graphics. Program supports high density dot-matrix printouts up to 14 by 24 inches in size.

2.4 University Centennial

As part of the University's centennial preparations, the department has offered to organize and host the 1989 Southwest Regional Association of American Geographers' (SWAAG) meeting in Albuquerque. Decisions on the location are pending, but we are hopeful because the membership has been anxious to arrange such a meeting in Albuquerque for several years.

3.0 Faculty Achievements

3.1 Publications and Creative Works

Items in this category are detailed in the faculty biographical record.

3.2 Promotions and Tenure

Dr. Stephen Thompson was granted a second three-year term after successfully completing his code 3 review.

3.3 Other Faculty Recognition

Dr. Bradley Cullen spent the academic year on sabbatical in California conducting research on the wood products industries.

Dr. Stan Morain was nominated by the nominating committee of the American Society of Photogrammetry and Remote Sensing to be president of the society in 1989/90. He has also been asked to serve on the editorial boards of The Professional Geographer and Geocarto International, and has been appointed to NASA's Science and Applications Advisory Committee, Subcommittee on Remote Sensing Applications.

Dr. Rodman Snead was approved in May for a one semester sabbatical in fall 1987. He will be pursuing archeology/geomorphological studies in Pakistan and working on a book.

Dr. Stephen Thompson was asked by U.S. Congressional Representative Manuel Lujan to form and chair a committee on water resource problems in Albuquerque's South Valley.

Dr. Robert Campbell, Emeritus Professor, prepared a history of the Geography Department for use during and after the University's centennial.

Dr. Guy King served as the GIS coordinator for the New Mexico Geographic Information Council.

Dr. Will Swearingen was invited to submit an article to the French journal, Revue de l'Occident Musulman et de la Mediterranee, on the theme "Terre, Politique et Pouvoir au Maroc" in July 1987, and has also been invited to present a paper to the 21st International Symposium on Remote Sensing of Environment at the University of Michigan, Ann Arbor. The theme

will be "Remote Sensing and GIS for Agricultural Monitoring in Morocco" and will be presented in October 1987.

4.0 Additions and Separations

Dr. Will Swearingen was added as a Research Assistant Professor of Geography and Dr. James Ebert was granted a letter of academic title.

5.0 Funded Research

Research activities for geography are conducted primarily through the Technology Application Center which reports to the Vice President for Research through the Institute for Applied Research Services. During the 1986/87 academic year Drs. Morain and Swearingen proposed and were awarded the following research projects:

<u>Agency</u>	<u>Amount</u>	<u>Topic</u>
1. National Aeronautics and Space Administration/OSSA	\$299,000 (3 years)	Desertification Processes in American Southwest
2. National Science Foundation	\$19,500	Desertification/Tunisia
3. Agency for International Development	\$149,000	Ecogeographic Analysis of Declining Crops/Peru
4. Agency for International Development	\$500,000 (est.)	Indefinite Quantity Contract for International Remote Sensing
5. National Science Foundation	\$110,000	Training Workshop - Remote Sensing for Landscape Ecology
6. National Aeronautics and Space Administration/Office of Commercial Programs	\$167,500	Commercial Outreach

6.0 Goals

During 1987/88 the department will be faced with replacing retired professor Iven Bennett. Current planning indicates that we will be seeking an Assistant Professor for physical geography

and climatology/meteorology. We will also place more emphasis on up-coming Centennial activities and will continue to seek support for our GIS and remote sensing activities.

Of prime interest to the department and discipline at large is our support for a proposed "Geography Awareness Week" commencing November 15, 1987. This is referred to by Senate Joint Resolution 88 sponsored by Senators Bradley and Stafford (copy attached).

100TH CONGRESS
1ST SESSION

S. J. RES. 88

To designate the period commencing November 15, 1987, and ending November 21, 1987, as "Geography Awareness Week".

IN THE SENATE OF THE UNITED STATES

MARCH 17, 1987

Mr. BRADLEY (for himself and Mr. STAFFORD) introduced the following joint resolution; which was read twice and referred to the Committee on the Judiciary

JOINT RESOLUTION

To designate the period commencing November 15, 1987, and ending November 21, 1987, as "Geography Awareness Week".

Whereas the United States of America is a truly unique nation with diverse landscapes, bountiful resources, a distinctive multiethnic population, and a rich cultural heritage, all of which contributes to the status of the United States as a world power;

Whereas geography is the study of people, their environments, and their resources;

Whereas, historically, geography has aided Americans in understanding the wholeness of their vast nation and the great abundance of its natural resources;

Whereas geography today offers perspectives and information in understanding ourselves, our relationship to the Earth, and our interdependence with other peoples of the world;

Whereas 20 percent of American elementary school students asked to locate the United States on a world map placed it in Brazil;

Whereas 95 percent of American college freshmen tested could not locate Vietnam on a world map;

Whereas 75 percent of Americans responding to a nationwide survey could not locate El Salvador on a map, while 63 percent could not name the two nations involved in the SALT talks;

Whereas over 20 percent of American teachers currently teaching geography have taken no classes in the subject and, therefore, do not have the training necessary to effectively teach geographic concepts;

Whereas departments of geography are being eliminated from American institutes of higher learning, thus endangering the discipline of geography in the United States;

Whereas traditional geography has virtually disappeared from the curricula of American schools while still being taught as a basic subject in other countries, including Great Britain, Canada, Japan, and the Soviet Union;

Whereas an ignorance of geography, foreign languages, and cultures places the United States at a disadvantage with other countries in matters of business, politics, and the environment;

Whereas the United States is a nation of worldwide involvements and global influence, the responsibilities of which demand an understanding of the lands, languages, and cultures of the world; and

Whereas national attention must be focused on the integral role that knowledge of world geography plays in preparing citizens of the United States for the future of an increasingly interdependent and interconnected world: Now, therefore, be it

1 *Resolved by the Senate and House of Representatives*
2 *of the United States of America in Congress assembled,*
3 That the period commencing November 15, 1987, and ending
4 November 21, 1987, is designated as "Geography Aware-
5 ness Week", and the President is authorized and requested to
6 issue a proclamation calling upon the people of the United
7 States to observe such week with appropriate ceremonies and
8 activities.

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