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

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ANNUAL REPORTS
1979-80

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(CONTINUED IN 1979-80 VOLUME II)

THE REPORT OF THE DEPARTMENT OF
INTERCOLLEGIATE ATHLETICS

July 1, 1979 -- June 30, 1980

John Bridgers, Director

The Report of the Department of
Intercollegiate Athletics

July 1, 1979-June 30, 1980

John Bridgers, Athletic Director

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

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

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

Troubles continued when eight players were found to be ineligible because of the invalid transcripts, but the fans continued to loudly support the quilded team, which was repaired with walkon players who had never dreamed they would be wearing a Lobo uniform at the start of the season. Charlie Harrison was named the acting head coach and he molded Kenny Page and Company into a team which had to be taken seriously.

With the trouble came national publicity, highlighted by a segment on the "60 minutes" television program and two major articles in Sports Illustrated Magazine.

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

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

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

Following is a breakdown of the 12 varsity sports men compete in at UNM:

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

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

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

Walt Arnold was awarded the top player from New Mexico while Scott Decker was named the Outstanding Senior. Others awarded were Matt Schaefer for Unselfish Devotion to the Team, Charlie Baker for

best Defensive Player, Frank Giddens for Morale and Spirit and Mike Forrest for Most Valuable Player.

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

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

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

SWIMMING: Sam Jones completed his third season as UNM's swimming coach and his team gradually continued its improvement. The Lobos finished sixth in a seven-team race with Tom Doyle qualifying for the NCAA meet in the three-meter diving. He placed third in the WAC meet. Tyler Cant was the only individual winner in the Western Athletic Conference meet -- which was staged at UNM -- winning the 200-yard butterfly in a time of 1:52.16. He finished third in the 100-yard butterfly. Tony Hsu was second in the 200-yard individual medley and third in the 400-yard individual medley.

GYMNASTICS: Rusty Mitchell continued to be a consistent winner as his team finished 7-4 overall and won the Regional meet which featured four WAC teams. Four gymnasts qualified for the NCAA meet in Lincoln, Nebraska and Steve Jennings finished third in the pommel horse. Redshirt Kevin Prady was invited to compete in the Olympic Trials in Jacksonville, Fla.

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

As a team the Lobos averaged 262.28 in 11 meets.

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

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

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

SKIING: Heavy snows covered New Mexico this year, and the ski team continued to succeed. The Lobos finished 11th in the nation after winding up second in the Rocky Mountain Intercollegiate Ski Association Championships at Stowe, Vermont. The Lobos won the

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regionals and finished second in the conference to Western State. UNM had defeated Western State in every head-to-head race, but was unable to attend one of the races in Utah. With the forfeit Western State was able to capture the title.

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

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

The Lobos had three individual winners in the WAC meet. Dwayne Rudd won the long jump with a leap of 24-3½; Silver Ayoo took the 400-meter intermediate hurdles in 52.44 and Fatwell Kimaiyo won the 110-meter high hurdles in 14.35.

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

Newly appointed assistant Coach Charlie Harrison was named acting head coach for the remainder of the season, leading a team comprised mostly of walkons to a 6-22 overall record and a 3-11 finish in the WAC.

Forward Kenny Page became the greatest scorer in UNM history, setting school records for points in a season (784) and scoring average (28.0). He was named to the All-WAC team and was the focus of much national attention, including a halftime review on the national telecast of an NCAA semi-final game.

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

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

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

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

Hagman had such an outstanding year that he overshadowed performances by catcher Duffy Ryan and shortstop Tom Francis. Ryan hit .383 while Francis led the WAC in hitting in conference games with a .505 average.

The baseball draft in June reaffirmed the talent of the UNM baseball team. Hagman (8th round to Atlanta), Ryan (9th round to California) and second baseman Mike Foote (30th round to Cincinnati) were all drafted.

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

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

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

Russell resigned after five years as head coach to take a job with an Albuquerque tennis club. Mark Hamilton, who has been head coach at Texas Tech, was named to replace Russell.

LOBO WOMEN'S ATHLETIC REPORT

1979-80

GOLF

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

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

SOFTBALL

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

BASKETBALL

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

SKIING

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

TRACK

The Lobo women placed sixth at the Indoor Regionals and sixth at the Cross-Country Regionals. In the indoor meet Margaret Metcalf, of Albuquerque, NM, set a meet record in the high jump when she crossed the bar at 5'10½". During the outdoor season UNM won their own invitational and the John Jacobs Invitational. Regina Dramiga placed first in the 400m hurdles while Muff Reinert won the javelin event. Dramiga was the only Lobo to qualify for

nationals. Coach Tony Sandoval was honored as he was selected to coach the 1980 Women's National Cross-Country Team next Fall. It is the third time Sandoval has been selected.

TENNIS-GYMNASTICS-VOLLEYBALL-SWIMMING

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

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

The Lobo swimmers finished fifth at the regional tourney.

HIGHLIGHTS

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

Three new head coaches were named and one assistant. Doug Hoselton is the new basketball coach. Mary Dietz takes over the tennis duties and Mike Hebert and Wanda Grissom are the new volleyball coaches.

UNM ATHLETIC FACILITIES
USE OF FACILITIES

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July 1979 - June 1980

<u>Facility</u>	<u>Event</u>	<u>Total Participants</u>	<u>Total Spectators</u>
Stadium	UNM Football - 5 games	917	130,010
Arena	UNM Basketball - 17 games	700	272,553
Lobo Field	UNM Baseball - 40 games	1,300	5,000
Tennis Courts	UNM Tennis - 4 dates	46	300
Swimming Pool	UNM Swimming -	52	175
Johnson Gym	Wrestling - 9 matches	285	2,500
Johnson Gym	UNM Gymnastics - 5 matches	114	6,200
Golf Course	Tucker Tournament	190	3,000
Golf Course	UNM Cross Country - 2 meets	47	70
Arena	UNM Women's Basketball - 16 games	381	4,500
Johnson Gym	UNM Women's Gymnastics - 2 meets	60	200
Johnson Gym	UNM Women's Volleyball - 14 games	420	500
Johnson Gym	All Indoor Intramural Sports & Johnson Gym Fields - Outdoor	44,529	13,000
Stadium	Intramural Track Championships -	356	5,000
Stadium	NROTC Drills - many times	8,500	500
Arena	Sports Car Club Races - many times	2,000	3,000
Stadium	State H.S. Football	115	6,000
Swimming Pool	Open use for swimming & Johnson Gym for recreational use	250,000	6,000
Arena	State Drill Championships	950	2,000
Arena	Cheerleading Clinic	625	1,500
Stadium	Special Olympics	1,200	6,000
Arena	Harlem Gobetrotters	66	8,225
Arena	Youth Religious Conference	125	7,500
Arena	H.S. Graduations	4,526	16,000
Stadium	American Legion - July 4	160	25,000
Arena	PEC Concerts - .6	400	50,000
Donated Land	Little League Baseball	8,500	13,000
Lobo Field	Amateur Baseball	2,700	7,000
South Fields	Youth Soccer	3,600	8,000
South Fields	Amateur Softball Practice	1,000	
Stadium	UNM Women's Track	185	1,200
Stadium	Women's H.S. Track - 3 meets	182	1,200
Stadium	State Women's H.S. Track	195	4,700
Stadium	State Men's H.S. Track	225	14,000
Stadium	State H.S. All-Star Football	65	9,000
Arena	State H.S. All-Star Basketball	24	6,000
Arena	NMAA Board Meetings - several	212	50
Arena	NMHS Coaches Association	100	----
Stadium	YAFL Playoffs	360	4,500
Golf Course	Dick McGuire Tourney	100	1,000
Golf Course	AIAW Championships	500	3,000

<u>Facility</u>	<u>Event</u>	<u>Total Participants</u>	<u>Total Spectators</u>
Arena	Albuq. Journal Gymnastics (2)	30	30,000
Arena	Japan Nationals - Gymnastics	20	15,000
Johnson Gym	High School Graduations - 4	3,000	16,000
Arena	Albuq. Fire Dept. Training	450	---
Tennis Courts	Open Tennis to public	11,000	500
Tennis Courts	NM Open Tennis Championships	85	350
Golf Course	Albuquerque Women's Tournament	87	2,000
Golf Course	Albuquerque Men's Tournament	400	4,000
Stadium	Track- Jogging, etc.	2,000	---
Complex	Racquetball Courts	2,500	---
Complex	Weight Room - non UNM use	2,500	---
McDavid Room	APS Counselors	75	---
McDavid Room	UNM Admissions	250	---
McDavid Room	Alumni Board	75	---
McDavid Room	Purchasing - Bid Openings	25	---
Johnson Gym	PEC Concerts - 2	100	10,000
Golf Course	Open to Public	45,000	---
TOTALS		403,609	857,843

APPOINTMENTS TO STAFF

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

SEPARATIONS FROM STAFF

Lavon McDonald	Director of Athletics	Oct	'79
Judith Klinker	Administrative Secretary	Feb	'80
Teresa Charles	Clerical Specialist V	Jan	'80
Doris Chasey	Department Secretary	July	'79
John Gonzales	Sports Information Dir.	Aug	'79
Norm Ellenberger	Head Basketball Coach	Dec	'79
Manny Goldstein	Assist. Basketball Coach	Dec.	'79
Charlie Harrison	Assist. Basketball Coach	March	'80
Robert L. Ford	Assist. Football Coach	Jan	'80
Gary Griffin	Assist. Football Coach	Jan	'80
Rufis Higgins	Assist. Football Coach	June	'80
Ronald Jacobson	Wrestling Coach	May	'80
Robert James	Assist. Football Coach	Jan	'80
Walter Klinker	Assist. Football Coach	Jan	'80
William Mondt	Head Football Coach	Nov	'79
Timothy Russell	Head Tennis Coach	June	'80
Ike Singer	Associate Director	June	'80
William Waters	Assist. Football Coach	Jan	'80
Richard Winder	Assist. Football Coach	Jan	'80
Catherine Lies	Head Volleyball Coach	June	'80
Lawrence Lindsay	Head Tennis Coach-Women's	May	'80
Kathleen Marpe	Head Basketball Coach-Women's	June	'80
Bill Silverberg	Head Track Coach	June	'80
Richard Harden	Assist. Sports Information Dir. for Women & Assist. Basketball Coach for Women	June	'80

Chicano Studies Annual Report

July 1, 1979 - June 30, 1980

Tobias Duran, Coordinator

Chicano Studies sponsored a film festival in November, 1979. Films on the Mexican Revolution, Chicano-Mexicano relations, and Chicano society and culture were shown at the SUB theatre, the Anthropology Lecture Hall and Don Pancho's Theatre. Raices de Sangre, a full-length commercial movie depicting conditions along the United States - Mexico border, was shown to the general public at Don Pancho's. Jesus Trevino, director of Raices, was present for the first showing and introduced the film. Dr. Arnaldo Cordova, political science professor at the Universidad Autonoma de Mexico, was a featured speaker before the showing of, Memorias de un Mexicano an outstanding documentary made with actual footage from the Mexican revolutionary years, 1910-1920. Professor Cordova, a noted scholar on the Mexican Revolution, also lectured to a group at the Ortega Reading Room on the UNM campus. His presentation was co-sponsored by Chicano Studies and the Latin American Institute.

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

If an institute is created, Chicano Studies will play a major part in its development. Chicano Studies has already provided financial support - personnel, supplies, and space - to carry-out the work of the task force, and it will continue to provide support in the future work of the institute. The proposal submitted by the task force is only the last in a series of similar recommendations made by Chicano Studies in the past. Certainly the idea for a research institute

has been discussed and developed for the last decade. With the necessary support, we are hopeful that a research institute of the kind envisioned will greatly enhance our research capabilities. Chicano Studies will work in a cooperative effort towards establishing a solid research component.

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

UNIVERSITY OF NEW MEXICO

GENERAL LIBRARY

Annual Report, 1979-80

Paul Vassallo
Dean of Library Services

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INTRODUCTION

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

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

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

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

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

At the same time the Higher Education Price Index has gone from a figure of 113.2 in 1969 (1967 being 100) to a figure of 217.1 in 1979.

The library books and periodicals component of that index has increased from 106.5 to 316.2 in the same years. This means that the purchasing power of the library has increased only 3.7 percent in the decade, despite a 46 percent increase in student enrollment at UNM, from 15,070 in 1969-70 to 22,033 in 1979-80.

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

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

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

While a purely statistical analysis indicates negligible progress in the past decade, there exist other evidence of the leadership role being played by the General Library in the state and the nation. In early June, 1980, the University and the General Library hosted the XXV Annual Meeting of the Seminar on the Acquisition of Latin American

Library Materials (SALALM). The General Library was responsible for planning the conference, which included participation by libraries, book dealers, publishers and other interested Latin Americanists from not only all over the United States but Latin America, the Caribbean and Europe. The Ibero-American team, under the direction of Mina Jane Grothey, contributed the major coordinating effort to what was widely acclaimed by participants as a spectacularly successful conference.

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

The dean also initiated efforts that resulted in the formation of an organization of the leading academic research libraries in the southwest. The Council of Academic Research Libraries in AMIGOS (CARLA) was established as a result of a meeting organized by the dean in October, 1979, in Washington, D.C., subsequent meetings in Austin, Texas in December, 1979, and in Albuquerque in late April, 1980 further defined the role CARLA is to play in library leadership in the southwest and the nation. The membership of CARLA includes Rice University, University of Houston, New Mexico State University, Texas A&M University, Texas Tech University, University of Arizona, University of Oklahoma, University of Arkansas, Arizona State University, Oklahoma State University and University of New Mexico.

The principal objective of CARLA is to identify areas in which the members can contribute to the improvement of bibliographic access and other areas of resource sharing in the region. One of the major objectives is to enable the member institutions to continue their participation in OCLC as well as benefit from an association with the Research Libraries Group (RLG).

ADMINISTRATIVE SERVICES AND OFFICE OF THE DEAN

Administrative Services serves all areas of the General Library: Zimmerman, Fine Arts, Parish and Tireman. Included in the services rendered are those of systems and development; fiscal matters; personnel; maintenance, safety and security of the buildings; and the office of the dean.

PERSONNEL

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

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

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

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

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

BUILDINGS

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

Additional large shifts were made during the year. The government

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

FISCAL SERVICES

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

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

SYSTEMS AND DEVELOPMENT

The Assistant to the Dean for Systems and Development (ADS) was actively involved in plans for the inventory control system. A trip was organized to vendor installations in Washington and Nebraska, about

35 memos or reports were drafted on the subject, and a presentation was made to the Provost's Council. In May, four years to the month since study and planning began, the university released a Request for Proposal for the system.

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

COLLECTION DEVELOPMENT DIVISION

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

There are presently 31 librarians involved in the selection of materials for the General Library. Some of these selectors are the primary library liaison for one or two teaching departments, while some are involved with selecting for area studies programs. Some of the selection assignments have changed during the year as new librarians have been hired and as some other library faculty members with subject expertise have been brought into the selectors' ranks. Being the library's liaison with a particular department or program has permitted the faculty member to become more intimately acquainted with many of the faculty and students in those departments and programs. It has allowed the librarian to become even better acquainted with the areas of concentration and the various degree requirements for their areas of specialization. In many cases,

the person who selects for a department is also the reference, library instruction, and on-line search-service expert in that area. This total service program is one of the best features of the new divisional organization. Another outstanding organizational feature is that selectors have primary appointments in every department in the library--some are reference librarians, some are catalogers and some are acquisitions or serials librarians. Having many people from many departments involved in selection has added to the cohesion of the library's faculty. This involvement of so many in one of the General Library's most important functions is, indeed, a significant accomplishment.

BUYING PATTERNS

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

The conclusion that core serials had to be added was also obvious. Some faculties, those in the sciences are a good example, depend heavily on serials for the support of their research.

GRANTS AND GIFTS

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

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

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

During his tenure, he coordinated the preparation of three grant

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

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

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

Several other noteworthy gifts include the Bainbridge Bunting gift of architectural material, Van Deren Coke's gift of photographic material, and the Bernice Frost Archive of piano pedagogy.

FUNDING

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

In times of decreasing purchasing power, the need for collection development cannot be overemphasized. Having someone to supervise the

buying that can be done is imperative when a library does not have the resources to buy all the worthwhile materials needed for a research facility. Someone has to be in a position to coordinate the development of the collection and weigh the relative merits of the materials needed.

READERS' SERVICES DIVISION

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

GOVERNMENT PUBLICATIONS AND MAPS DEPARTMENT

Plans which had long been underway for a greater emphasis on government publications as research resources materialized this year in the formation of a separate Government Publications and Maps Department (GPMD). With the hiring of an experienced department head and the back-up of an additional faculty position, this collection took on a more visible role both on and off campus. During September, the Federal Depository Inspector completed a regular review of our activities. While our internal handling of this function was found to be very satisfactory, the duties of a regional depository library, which are to serve the general public and to coordinate the activities of the state's partial depository libraries, were not being met satisfactorily. The fact that the New Mexico State Library, New Mexico's other regional depository library, is even less able to support outreach activities for federal documents resulted in an agreement between the two regional depositories that we would take on the duty of circulating to the depository libraries in the state a list of all

duplicate and discarded items available for exchange, establishing an efficient system for disposal of all unwanted items. At the same time a Government Publications Newsletter was started. This monthly publication contains a selected list of newly arrived items and is sent to UNM faculty and other interested individuals. It stimulates awareness and use of the wealth of material we receive free from the U.S. Government Printing Office.

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

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

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

projects will be addressed in the near future.

SKILLS CENTER

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

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

encountered by several students in one or more of the basic skills courses.

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

ADDITIONAL SERVICE HOURS

The General Library attempted to respond to changes in the number of classes offered in the late afternoon and evening. A brief questionnaire was sent to faculty teaching these classes to survey library needs which students identified. As a result of the questionnaire, a cost analysis was prepared to show the specific expense for adding hours and higher level services to each library location. Until this additional funding is available, the library made some adjustments by rearranging priorities and schedules as follows:

1. The Listening Center hours in the Fine Arts Library were changed to include 1 p.m. to 5 p.m. on Saturday. The center is now open during 5 p.m. to 7 p.m. on weekday evenings.
2. The Zimmerman Library remained open for study until 2 a.m. during the ten days of final examination periods.
3. The Special Collections Department now remains open on Tuesday evening as well as Wednesday evening during the last half of each semester when research activity increases.
4. The Tireman Learning Materials Library added Wednesday evening hours from 6 p.m. to 9 p.m.
5. The Government Publications and Maps Department added service by full-time staff or graduate students on evenings during the week, on Saturdays from 10 a.m. to 3 p.m. and on Sundays from noon until 9 p.m.

LIBRARY INSTRUCTION

The demand for additional library instruction and orientation seems to be an ever expanding phenomenon. The program spans a wide variety of instruction from tours for kindergarten classes to in-depth workshops for engineering students. A great increase in the number of library tours occurred because this type of orientation was offered to all of the basic skills classes and many more tours were given to high school students as a part of the university's recruitment program. In order to meet the increased demands for instruction in specific subject areas, the

orientation tours for the freshman English 101 students were provided by the teaching assistants for these classes. Reference librarians working with the teaching assistant coordinators set up a program which was then carried out by the English TAs. A similar structure was used for Biology 121.

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

	<u>1978/79</u>	<u>1979/80</u>	<u>% change</u>
Classes	382	406	+ 6.3
Students	7,744	9,444	+21.9

COMMUNITY OUTREACH

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

In response to requests for service from the off-campus community, the Readers' Services Division attempted to provide cooperation if primary campus service was not impacted. For example, contracts with the Sandia Laboratories and C.D.S. Laboratories were made to provide materials and services through interlibrary loan procedures. Actual costs were

defined and interlibrary loan services as well as on-line searching services were offered at cost to outsiders, including Friends of the University Libraries. Added to the previous methods for serving the off-campus community were new forms of organizational memberships to the Friends and an extensive increase in agreements with local high schools to serve their faculties. More tours were given to high school groups and special lectures were given to school groups on southwestern music and black studies.

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

Cooperation with the Museum of Albuquerque continued with the first COM printouts of the cooperative photograph index used in the identification of photographs for the museum's railroad exhibit, the Japan celebration, and a contract for joint publication of a guide to materials on Albuquerque in the UNM holdings and facsimiles of materials held in Special Collections. The Special Collections Department also experienced its usual large number of visiting scholars and individuals interested in rare materials and southwestern subjects.

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

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

ONSITE PROGRAMS

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

to work with their students who will be on campus during the summer of 1980 and to arrange for shipping materials on loan to the remote locations.

PARISH LIBRARY

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

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

In the process of examining weak areas in the collection, a number of state and federal government documents were added and some looseleaf services were claimed and reinstated.

The importance of providing the most complete financial data available for the areas of finance, banking, accounting, marketing and advertising, etc., led the library to make a commitment to a major standing order of SEC 10-K reports. Improvements in service included four seminars presented in the areas of marketing and finance to graduate and undergraduate students and four orientations given in basic reference sources. A new edition of the Parish orientation booklet was prepared and distributed. Hours were expanded in the spring semester on a trial basis providing reference service from 9 a.m. to 12 p.m. and from 2 p.m. to 6 p.m. on Monday through Thursday, 9 a.m. to 12 p.m. on Friday, Monday evenings and Sunday afternoons.

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

FINE ARTS LIBRARY

Bibliographic access continued to improve as the Gaganti Music Collection was classified and made accessible to users and the art exhibition catalogs continued to be classified. Several outstanding acquisitions were made during the year. American Architectural Books and British Journal of Photography were purchased on microfilm. The Index to American Design, Repertoire International des Sources Musicales Series B and Studies in Musicology were also received.

JOHN DONALD ROBB ARCHIVE

The growth and development of the tape archive in the Fine Arts Library brought to fruition the recognition of an original supporter of the program in a dedication ceremony naming the John Donald Robb Archive of Southwestern Music. A presentation program was held in cooperation with the College of Fine Arts on May 9 to honor Dean John Donald Robb where the speaker for the evening was Dr. Alan Jabbour, Director of the National Folklife Center in Washington, D.C. A John Donald Robb Endowment Fund was set up to insure continued development of this unique archive.

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

SPECIAL COLLECTIONS

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

- nineteenth and early twentieth century maps of New Mexico
- early editions of the principal eighteenth century English novelists

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

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

- Ortiz y Pino family history
- Albuquerque-Bernalillo County Council of Older Persons
- Writers at Work, video tapes
- Judson Crews, literary journals
- Archie Bahm, philosophical off-prints and printed editions
- Mabel Dodge Luhan, letters
- Albuquerque history

- D. H. Lawrence, museum objects and printed editions
- Women in New Mexico, additional groups of material
- Cofradias of Jalisco, Mexico, microfilmed archival manuscripts
- Manuel Lujan Papers, additions
- New Mexico State Poetry Society, printed editions, and
- Beula Fleming architectural documents.

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

STAFF DEVELOPMENT

The rapid changes taking place in operational theory and technology in librarianship and the leadership role expected of UNM librarians in the state require a commitment to continual staff development for General Library staff. The library hosted workshops on computer search training in DIALOG and BIOSIS and supplied training for advanced use of the Systems Development Corporation and Bibliographic Research Service systems by developing special assignments of personnel to these systems. Other in-house programs provided better training of shelving personnel and integration of services in the Circulation Department, a temporary assignment of a fine arts librarian to the Meem Collection for better coordination of these collections, workshops for students in the Parish

Library, weekly seminars for staff in the Reference Department, and training to permit Circulation Department staff to backup copy/media services. Readers' Services personnel also presented programs for the library's professional roundtables on the subjects of maps, space planning, the White Cone oral history project, publishing and the CRL academic library management internships. Interns assigned to Readers' Services provided a seminar on service to returning adults and a seminar on the development of a guide to Mexican resources in our collection.

OPERATIONAL IMPROVEMENTS

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

this source:

Number of Requests

November	- 18
December	- 5
January	- 2
February	- 14
March	- 17
April	- 17
May	- 35

SPACE AND EQUIPMENT

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

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

TECHNICAL SERVICES DIVISIONACQUISITIONS

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

While many of the staff members in the Acquisitions Department were handling the gifts, others were occupied with searching, ordering, and receiving materials. Pre-selection and availability searching increased 68 percent as a result of the conscientious title-by-title ordering by selectors.

Almost 27,500 books were ordered during the year and over 25,500 were received. The seriousness of the library's financial problem is indicated by comparing this figure to the 49,401 volumes purchased and received by the Acquisitions Department during fiscal year 1975-76, the peak year of bond issue expenditures.

Titles ordered and received by the Acquisitions Department:

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

BIBLIOGRAPHIC CONTROL

As fewer volumes were ordered, there were also generally fewer volumes to catalog. The Bibliographic Control Department cataloged more volumes than were received, as staff members further reduced working backlogs, actually reaching zero in some areas for short periods of time. The only significant backlog of cataloging is in the area of Latin American materials, a situation created by staff turnover and vacancies. The backlog of Ibero materials remaining at the end of the year was about 7,600 pieces. Although this figure is much higher than

desired, and is not considered to be acceptable, it is 10 percent lower than the 8,357 items awaiting cataloging 18 months earlier. By the end of the next year, the figure will be reduced significantly.

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

RETROSPECTIVE CONVERSION

In addition to cataloging new materials and reclassifying and transferring thousands of items, the Bibliographic Control Department also was able to begin a retrospective conversion project. The objective of the project is to increase the number of machine readable records for UNM holdings, in preparation for implementation of an automated circulation system. These machine readable records could also be used to produce an alternate form of catalog--microfiche, microfilm or on-line. In the interim before the library converts to an automated circulation system or

an alternate form of catalog, the retrospective conversion project provides more information on UNM General Library holdings to users of the OCLC system. Beginning in January, Bibliographic Control staff worked on the project when time could be spared from current cataloging and other projects; during April through June, several staff members were authorized to work overtime hours on the project. Areas of the LC classification which have high circulation rates are being converted first: BF, GT-GV, HN, LB-LC, RG-RJ and TH-TJ fell into this category on the basis of a study of books in circulation conducted by the Circulation Department shortly before the project began.

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

INVENTORY

The inventory project was also continued with very positive results. About 250,000 of the 500,000 volumes to be inventoried were completed, with the somewhat surprising results that the "high use" areas that were inventoried were not "high loss" areas. Although it has been at least ten years since an inventory was undertaken on the collection, the overall loss rate was just over 2 percent, or less than 0.2 percent per year. The area with the greatest loss was engineering (TH-TJ), but even that area lost only 4.5 percent. We assume that loss rates will be even lower in the "low use" areas yet to be inventoried and that loss rates in the future will generally be lower due to the installation of an electronic security system a few years ago.

SERIALS RECONCILIATION PROJECT

The Serials Department coped with the normal load of orders, cancellations, title changes, and claims, and still found time to make a great deal of progress on the Serials Reconciliation Project. Over 10,000 sheets containing information on titles to be reconciled were sent to the subject selectors; of these, 6,451 were active titles and 3,682 were inactive titles. The results of fiscal reconciliation for over 4,000 active titles show \$228,000 of titles continued and over \$31,000 cancelled for various reasons. This actively helped the library keep within stringent financial limitations while a few new titles were ordered to meet current demands. In addition, it eliminated over 500 unneeded subscriptions and provided the opportunity to begin changes and corrections on thousands of bibliographic records.

SERIALS EXCHANGE

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

SERIALS AUTHORITY FILE

The serials authority file project was also begun, and over 8,700 cross references and authority entries were added to the serials microfiche. These entries will aid staff members and patrons in finding thousands of serial titles via the microfiche list. Access to periodicals will also be facilitated by the addition of catalog cards for

periodicals to the public card catalog. Some six years ago a decision was made to cease adding cards for periodicals to the catalog, but that policy has been changed this year to allow the recreation of entries in the catalog. Patrons must still use the microfiche list as the only comprehensive source of information on periodicals and serials, but the casual user will frequently be aided by entries in the public catalog for periodicals.

CONCLUSION

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

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

1. Budget much higher sums to bring all salaries and wages to a proper level and to increase the collection at a greatly accelerated rate
4. Construct a separate building for a Science and Engineering Library
7. Computerize the circulation system

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

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

SIZE AND GROWTH OF THE COLLECTIONS

Fiscal Year 1978-1979

Number of cataloged volumes, 6-30-78	916,579
Volumes added (net)	46,207
Number of cataloged volumes, 6-30-79	962,804
Serial titles in the central serials record, 6-30-79	25,623

Fiscal Year 1979-1980

Number of cataloged volumes, 6-30-79	962,804
Volumes added (net)	37,169
Number of cataloged volumes, 6-30-80	999,973
Serial titles in the central serials record, 6-30-80	23,550

OTHER MATERIALS IN THE GENERAL LIBRARY

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

READERS' SERVICES STATISTICS

	<u>1978-1979</u>	<u>1979-1980</u>	<u>percent change</u>
Library Use (Gate Count)*	1,258,559	1,404,737	+11.6
Zimmerman	970,066	1,114,248	
Parish	159,518	162,951	
Fine Arts	128,975	127,538	
Outside Circulation**	441,207	373,734	-15.3
Circulation	345,107	316,020	-8.4
Zimmerman	253,261	205,663	
Parish	14,501	20,567	
Fine Arts	51,888	46,815	
Listening Center		12,993	
Tireman	25,457	27,855	
Evaluation Center		2,127	
Reserve Circulation	114,722	64,636	-43.7
Zimmerman	90,372	48,214	
Parish	8,447	6,296	
Fine Arts	15,817	10,126	
Tireman	86		
Interlibrary Loan	7,682	8,198	+6.7
Borrowed	3,427	3,949	
Loaned	4,255	4,249	

* Does not include Tireman

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

LIBRARY EXPENDITURES
for 1979-1980

<u>The General Library</u> <u>University Funds:</u>	<u>1979-1980</u>
Salaries	\$1,890,113
Supplies and Expenses	79,365
Furniture and Equipment	- 0 -
Travel	7,035
Data Processing	80,871
Books and Serials	999,969
Binding	68,095
Fringe Benefits	NA
 <u>Non-University Funds</u>	
Bond Issue	176,579
Basic (HEW Grant)	3,969
Gifts	<u>3,000</u>
Total:	\$3,308,996

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University of New Mexico Libraries.

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

The Report of the Readers' Services Division
of the General Library
July 1, 1979 - June 30, 1980
Alice S. Clark, Assistant Dean

I. General Departmental Information

A. Significant achievements during the academic year

A Year of Change

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

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

varied duties into a reasonable work plan. The diversity of the duties and the increased liaison with teaching faculty, while proving to be a challenging time management problem, at the same time offered more job satisfaction as the year provided the opportunity to adjust and confirm the changes made in the previous year.

Government Publications and Maps Department

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

U.S. Government Printing Office. In October, the General Library hosted a meeting of the New Mexico Library Association Government Documents Roundtable at which our new department head was a leading speaker. He also presented a workshop at Santa Fe, spoke to the Torrence County Historical Society on "Government Mapping of the West," and increased the number of lectures to university classes.

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

Skills Center

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

The Center was fortunate in receiving a gift of many desirable textbook and teaching materials from College of Education tutoring

programs. Of necessity, the Skills Center Program developed on an experimental basis with an advisory subcommittee of the Basic Skills Committee overseeing its policies. Staff members visited a similar center at New Mexico State University and attended three conferences on the subject of developmental education in higher education institutions.

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

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

reception on October 10th.

Additional Service Hours

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

1. Students particularly requested longer hours in Zimmerman and Tireman.
2. Longer weekend hours were a priority but later evening hours, especially on Friday and Saturday, were also desired.
3. There was a need for keeping the Listening Center open longer on Saturday afternoons and to remain open from 5 p.m. to 7 p.m. on weekday evenings.
4. Students requested that regular hours be maintained during Thanksgiving and Spring breaks, except for the holiday itself.
5. There were requests for keeping the Special Collections areas open on evenings and weekends.

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

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

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

hours on weekday evenings.

2. The Zimmerman Library remained open for study until 2 a.m. during the ten days of final examination periods
3. The Special Collections Department now remains open on Tuesday evening as well as Wednesday during the last half of each semester when research activity increases.
4. The Tireman Learning Materials Library added Wednesday evening 6 p.m. to 9 p.m.
5. The Government Publications and Maps Department added service by full-time staff or graduate students on evenings during the week, on Saturdays from 10 a.m. to 3 p.m. and on Sundays from noon until 9 p.m.

Library Instruction

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

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

	<u>1978/79</u>	<u>1979/80</u>	<u>% change</u>
Classes	382	406	+ 6.3
Students	7,744	9,444	+21.9

Community Outreach

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

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

In response to requests for service from the off-campus community, the Readers' Services Division attempted to provide cooperation if primary campus service was not impacted, entering into contracts for services which required additional personnel or expense. Contracts with the Sandia Laboratories and C.D.S. Laboratories provided materials and services through interlibrary loan procedures which required financial support for the requested level of service. In response to many requests

for online search service and interlibrary loan services by off campus groups, actual costs were defined and these services were offered at cost to outsiders, including Friends of the University Libraries. Added to the previous methods for serving the off-campus community were new forms of organizational memberships to the Friends of the Libraries and an extensive increase in agreements with local high schools to serve their faculties. More tours were given to high school groups and special lectures were given to school groups on Southwestern Music and Black Studies.

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

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

Cooperation with the Museum of Albuquerque continued with the first COM printouts of the cooperative photograph index used in the identification of photographs for the Museum's railroad exhibit, the Japan celebration, and a contract for joint publication of a guide to materials on Albuquerque in the UNM holdings and facsimiles of materials held in Special Collections. The Special Collections Department also experienced its usual large number of visiting scholars and individuals interested in rare materials and Southwestern subjects.

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

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

The Readers' Services staff took a major part in a "Media Day" program devoted to introducing representatives from the media to university services and facilities, planning the Library's part of the program and providing the exhibits and presentations of special library services. Other activities with outside groups included work with the State Education Department on the Textbook Evaluation program, provision of special instruction to the American Indian Cultural Center's Library

Project, participation in the Friends of the UNM Libraries Children's Book Fair, provision of special research support to the special investigator on the athletic program irregularities, and cooperation with and programs for the Pan American Roundtable which resulted in gifts to the Anita Osuna Carr Collection and a television program on KNME.

Staff Development

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

Two of the Reference Department faculty were on sabbatical leave

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

Operational Improvements

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

Number of Requests

November	18
December	5
January	2
February	14
March	17
April	17
May	35

More attention was given to the search strategy for interlibrary loan requests, resulting in a large number of these items being located in our own card catalog. The results of this investigation indicate both

a need for our faculty and graduate students to become more adept at using a card catalog and for some better method to publicize the fact that some periodicals exist with recent issues in bound volumes and backruns in microform.

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

Space and Equipment

One of the more mundane but nevertheless very important activities in Readers' Services is always the continuing problems caused by the ever present need for additional space and the recurring need to replace equipment. This year such work took on an element of excitement and delightful anticipation as we worked to develop a Request for

Proposal for an automated circulation system. This document of over 100 pages with its appendices was sent out for bids and on June 30th, the resulting responses were opened for review. After many years of apologizing for our antiquated system and making promises to our patrons that we would try to move from clay tablets to papyrus, we rejoice in the anticipation of a fully automated system to control circulation activities. The University's accounting system has helped in circulation activities with the new terminals which access student name and address files.

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

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

B. Significant plans and recommendations for the near future

Several major projects are planned for the next fiscal year:

1. A well designed and consistent signage system is needed for the General Library.
2. The problem of preservation and protection of disintegrating and damaged materials must be addressed by a library-wide program.
3. Because the addition of many collection development duties to Readers' Services faculty have resulted in fewer hours of professional service at a time when demands for service are becoming more sophisticated, we plan to add a new science librarian, a local and international documents librarian and an Ibero American reference librarian to the Reference Department staff.
4. Effort will be focused on evaluation and revision of library instruction programs, and creation of new programs, including especially an orientation for handicapped students.
5. A project for preserving and sharing the Sanborn Maps of New Mexico will be proposed for statewide attention.

Other issues to be addressed are plans for a proposed social science library, development of better access to XX and audio-visual materials, completing plans for funding a librarian for onsite programs, revising policies on loans of materials for reproduction, attempting further development of the John Donald Robb Archive of Southwestern Music, working toward implementation of procedures for better control of serials in accordance with a plan proposed this year, and addressing the increasingly acute shelving space needs.

The engineers' reports which set strict structural limits on what

can be added to the Special Collections Department and the huge increases in microforms being received through the government documents depository system will require drastic changes for these departments. The Special Collections Department also suffers from its almost total inaccessibility to handicapped students and from a lack of security controlled exhibit space. The space problems in the Parish Library and the Tireman Learning Materials Library curtail the collection size and services offered and in Tireman offer no security against theft. The growth in the serials and monographic collections in the general Zimmerman stack areas threaten to take over seating space in the next three years. Plans must be developed during the next year to solve these space problems if the Library's future as a research collection is to be supported.

C. Appointments to staff

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

D. Separations from staff

Judith Bakewell, Library Technical Assistant II	08/17/79
Kathryne Davis, Library Technical Assistant I	09/30/79 CETA
Glennis Hinshaw, Visiting Instructor	03/31/80 Temporary
Gloria Jaramillo, Clerical Specialist IV	12/07/79
Kevin Kargacin, Clerical Specialist II	10/12/79
Lynn Lindgren, Department Secretary	08/03/79
Pat Martinez, Visiting Instructor	08/29/79
Beverly Moreno, Visiting Instructor	06/30/80 Temporary
Jerome Nelson, Clerical Specialist II	06/30/80 Temporary
William Olbrich, Instructor	09/10/79
Dubra Padilla, Library Technical Assistant II	07/13/79
Edward Padilla, Library Specialist I	11/06/79
Mary Rask, Library Technical Assistant II	07/20/79
Christina Ross, Library Technical Assistant II	06/30/80 Temporary
Alice Sickels, Clerical Specialist IV (50%)	05/23/80 Temporary
Marsha Simonson, Assistant Professor	09/04/79
Paul Sternberg, Library Technical Assistant II	03/28/80
Alicia Tjarks, Assistant Professor	10/31/79
Robin Zellea, Clerical Specialist V	05/09/80 Temporary

Readers' Services Statistics

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Circulation	345,107	316,020	- 8.4
Zimmerman	253,261	205,663	
Parish	14,501	20,567	
Fine Arts	51,888	46,815	
Listening Center		12,993	
Tireman	25,457	27,855	
Evaluation Center		2,127	
Reserve Circulation	114,722	64,636	- 43.7
Zimmerman	90,372	48,214	
Parish	8,447	6,296	
Fine Arts	15,817	10,126	
Tireman	86	-	
Interlibrary Loan	7,682	8,198	+ 6.7
Borrowed	3,427	3,949	
Lent	4,255	4,249	

* Does not include Tireman

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

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced Study

Gilda Baeza - attended advanced workshop on BIOSIS, Denver

Alice Clark - Workshop "The Library in Learning Resources:
The Development Learning Center". Dallas, Texas

Sandra Coleman - 10 s.h. Management Masters, UNM

Donald Farren - Dissertation research, Columbia University

Mary Ellen Hanson - 3 s.h., Art History 500, UNM

Beatrice Hight - DIALOG online search workshop

- Interpersonal Relations Seminar, Colorado Springs

- Spiritual Growth Course, St. John's Cathedral

Nancy Carol Hutchins - BIOSIS Advanced Search Course

Judy Pence - 3 s.h. Spanish Morphology 443, UNM

Elizabeth Ellen Robertson - Bibliographic Retrieval Service Update

Dorothy Trester - 6 s.h. Speech Communication 361 and 490, UNM

- Seminar on online computer systems

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

Alice Clark - Visits to Basic Skills Center, Ohio State University,
Columbus, Ohio and New Mexico State University, Las Cruces

Sandra Coleman - Internship, Stanford University

- Visits to libraries at Harvard, Yale, University of
Connecticut, University of Texas, University of California,
Berkeley

Linda Lewis - Sabbatical, October 1, 1979 - March 31, 1980

Dorothy Trester - Travel to Houston and Corpus Christie, Texas
and Mazatlan, Mexico

Zanier Lane-Vivian - Travel to Mexico, California, Oregon,
Wyoming, Georgia, Louisiana

Dorothy Wonsmos - Travel to Iowa and California

3. New Scholastic Honors, Fellowships, etc.

None

4. Publications

Gilda Baeza - "The Microform Collection of the Chicano Studies
Library Serial Collection of the University of California,
Berkeley", Southwest Academic Library Consortium Newsletter,
Vol. 8, No. 1 (May, 1979): 4-6

Sandra Coleman - "Being a Library Management Intern at Stanford"
in Stanford Library Bulletin, V. 31, No. 18 (May 25, 1979),
136-138

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

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

5. Other Research Projects and Creative Works in Progress

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

Alice Clark - "Microforms as a Substitute for the Original in
the Collection Development Process", chapter in Collection
Development in Libraries, Greenwich, Connecticut: JAI Press,
Inc.

- Management of Curriculum Materials in the Academic Library,
contract for book with Scarecrow Press, Metuchen, N.J.,
In progress

Sandra Coleman - "Deterioration Survey of the Stanford University Libraries Green Library Stack Collection", Stanford University Library, June, 1979, 31 pp. (unpublished report)

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

Linda Lewis - Women in New Mexico. In process

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

Nancy Pistorius - Guide to Copy Photography Slide Duplication and Photographing Works of Art. Mid-America College Art Association. (to be published in January, 1980)

- Guide to Architectural and Planning Classification Systems for Visual Resource Collections. Mid-America College Art Association. (to be published in mid-1980)

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

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

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

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

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

- Grant proposals to the Akbar Foundation and to National Endowment for the Humanities for funding taping for the Archive of Southwestern Music

6. Activities in Learned and Professional Societies

Gilda Baeza - attended American Library Association, Dallas, Texas

Alice Clark - Representative to the governing council of the American Library Association

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

Sandra Coleman - Member, Library Education Committee of New Mexico Library Association

- Member of Executive Board and Representative at Large, Southwestern Library Association

- Member, Budgeting, Accounting, and Costs Committee of American Library Association, Library Administration and Management Association
 - Attended American Library Association meetings, Washington, D.C. and Dallas, Texas
 - Attended Association of Research Libraries meeting at Boston, Massachusetts
 - Attended Library and Information Technology Association Institute on Closing the Catalog, San Francisco, California
- Mary Ellen Hanson - Association of Research Libraries workshop on management, Taos, New Mexico
- Beatrice Hight - Attended New Mexico Library Association Conference, Farmington, New Mexico
- Nancy Carol Hutchins - Attended Western Association of Map Librarians meeting at Menlo Park, California
- Attended American Library Association meeting in Dallas, Texas
- Linda Lewis - Co-chairperson, Legislative and Intellectual Freedom Committee of New Mexico Library Association
- Attended annual conferences of American Library Association, Dallas, Texas, New Mexico Library Association, Farmington, New Mexico, and New Mexico Historical Association
- Francis Oscadal - Attended American Library Association conference, Dallas, Texas
- Attended Lockheed's DIALOG Update conference, Dallas, Texas
- Judy Pence - Attended 24th Seminar on the Acquisition of Latin American Library Materials

- Chairperson, Exhibitors Committee, SALALM
- Member Local History Committee of American Library Association
- Chairperson, Local Arrangements for NMLA/GODORT

Nancy Pistorius - Attended annual conference of Art Libraries Society of North America, Toronto, Canada

- Attended Mid-America College Art Association Conference, Tempe, Arizona
- Program Coordinator for Visual Resource Group of ARLIS/NA

Elizabeth Ellen Robertson - Secretary/Treasurer, New Mexico Library Association Native American Libraries Roundtable

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

Stephen Rollins - New Mexico Library Association Liaison Representative for Photocopy Regulations for Ad Hoc Copyright Subcommittee of American Library Association

- Member, Constitution and Bylaws Committee, Greater Albuquerque Library Association

Charles Seavey - Presented paper to New Mexico Library Association Government Documents Roundtable "Acquisition of Government Maps"

- Attended workshop on map cataloging Western Association of Map Libraries, Tucson, Arizona

Zanier Lane-Vivian - Vice-President and Program Chairperson for New Mexico Library Association Annual Conference, Farmington, New Mexico

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

James Wright - Vice-Chair/Chairman elect of Mountain Plains Regional Chapter of the Music Library Association

- Conference chairperson, MLA/MPRC at annual conference, Albuquerque, New Mexico
- Member, Education Committee, New Mexico Library Association
- Executive Secretary/Member of Board of the Association for Recorded Sound Collections

7. Other Professional Activities

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

- Taught Library Science 468, Summer

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

Nancy Pistorius - Advisor to Art Library at Santa Fe, Museum of Fine Arts

- Presentation on Creativity in the Visual Arts at Library

Brown Bag Lunch

James Wright - Teaching Music 429, Summer

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

8. Non-teaching University Service

Alice Clark - Received resolution of commendation from ASUNM for
work with handicapped students

- Member, Handicapped Ad Hoc Committee of the Student Personnel
Advisory Committee
- Member, Faculty Senate, Spring
- Member, Long Range Planning Committee, Spring
- Chairperson, Basic Skills Committee

Sandra Coleman - Member, Faculty Senate, Fall

- Member, Long Range Planning Committee, Spring

Mary Ellen Hanson - Member Admissions and Registration Committee

- Member Subcommittee on Falsification of University Records
- Chairperson, Sabbatical Review Committee
- Member, Search Committees for Ibero American Cataloging
and Tireman Librarian
- Member, Tireman Library Committee
- Member, Ad Hoc Committee on Faculty Requirements
- Chairperson, Ad Hoc Committee on Promotion
- Member, Microforms Policy Revision Committee

Beatrice Hight - Member, Faculty Senate

- Member, Undergraduate Academic Affairs Committee
- Member, Ad Hoc Committee for Student Grievance Policy

Judy Pence - Chairperson, Professional Enrichment Awards
Committee

- Chairperson, Search Committee for Assistant Ethnic Studies
Librarian

Nancy Pistorius - Member, Library Exhibits Committee

- Member, Library Research and Publications Committee
- Member, Parish Librarian Search Committee

Elizabeth Ellen Robertson - Member, Library Faculty Council

- Chairperson, Tireman Librarian Search Committee
- Member, Ethnic Studies Librarian Search Committee

Stephen Rollins - Member of Future of Bibliographic Records
Committee

- Member, Parish Librarian Search Committee
- Chairperson, Intern Search Committee

Dorothy Trester - Chairperson, Ad Hoc Committee on Promotion

- Chairperson, Acquisitions/Serials Librarian Search Committee
- Member, Professional Enrichment Committee
- Member, Tireman Librarian Search Committee
- Member, Provost's Steering Committee for Gerontology Center
- Member, Curriculum Committee

Zanier Lane-Vivian - Member, Committee of Five

- Member, Research Policy Committee

Dorothy Wonsmos - Member, Professional Enrichment Committee

James Wright - Masters Degree Review Committee for Department
of Recreation

- Faculty Senate, Executive Committee
- Chairperson, Student Affairs and Extra Curricular Activities
- Reported to the Regents on the Archive of Southwestern Music
- Served on three Library Faculty search committees

9. Public Service

Alice Clark - Invited participant in State Library's Continuing Education Planning meeting

- Invited participant to State Education Department meeting on Materials Evaluation Centers

Sandra Coleman - Associates of the Stanford University Library

Mary Ellen Hanson - Volunteer for booksale, Friends of the UNM Libraries

- League of Women Voters Board of Directors and editor of the Voter

Beatrice Hight - District Court juror

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

- Church related activities

Zanier Lane-Vivian - Albuquerque Opera Guild

- Santa Fe Opera Guild
- Albuquerque Symphony Women's Association

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

James Wright - Member of Cultural Committee of Chamber of Commerce

10. Personal Information

Zanier Lane-Vivian - Married April 8, 1979 to Richard W. Vivian

Please help us serve you better by answering the following questions.

1978	79	<u>80</u>	I am a	1978	79	<u>80</u>	
17	9	<u>30</u>	Faculty member	14	5	<u>25</u>	Staff member
132	67	<u>96</u>	Graduate student	42	22	<u>28</u>	Other Please describe _____
266	137	<u>234</u>	Undergraduate student				_____

Today I came to the library to

036	171	<u>309</u>	Borrow or use library materials	38	27	<u>48</u>	Return books
171	86	<u>104</u>	Study	15	9	<u>2</u>	Tour the library or receive formal instruction
28	15	<u>13</u>	Meet someone				

Today I used the following library materials/services:

80	49	<u>60</u>	Reserve books	41	10	<u>23</u>	Microforms
157	71	<u>82</u>	Newspapers or periodicals	151	84	<u>189</u>	A card catalog
146	84	<u>214</u>	Specific single books	164	60	<u>72</u>	Help from librarians
64	13	<u>27</u>	Government publications	14	7	<u>6</u>	Interlibrary loans
44	20	<u>23</u>	Audio-visual materials and services	60	17	<u>28</u>	Microfiche serials list
70	42	<u>48</u>	Photocopy service			<u>5</u>	Map room
158	68	<u>116</u>	Reference books or indexes	47	31	<u>36</u>	Other

My success in finding library materials is:

My success in obtaining help from library staff is:

25	77	<u>82</u>	Excellent	145	123	<u>146</u>	Excellent
10	105	<u>199</u>	Good	219	62	<u>146</u>	Good
89	31	<u>76</u>	Fair	58	17	<u>22</u>	Fair
27	13	<u>18</u>	Poor	6	1	<u>2</u>	Poor
12	6	<u>2</u>	The question doesn't apply	18	21	<u>26</u>	The question doesn't apply

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

34	158	Yes <u>252</u>	70	32	No <u>52</u>
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Is the library open enough hours to suit you?

69	170	Yes <u>311</u>	83	54	No <u>43</u>
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The Library was a pleasant place to use today.

21	197	Yes <u>332</u>	36	18	No <u>26</u>
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Please return to the circulation desk.

The Report of the Technical Services Division
of the General Library
July 1, 1979 - June 30, 1980
Daniel W. Lester, Assistant Dean

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I. General Departmental Information

A. Significant Achievements During the Academic Year

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

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

Other gift materials that were not needed for the library collections were retained by the Friends of the UNM Libraries for their next book sale, which is tentatively scheduled for the Spring of 1981. The proceeds of that book sale also benefit the UNM Libraries.

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

As fewer volumes were ordered, there were also generally fewer volumes to catalog. The Bibliographic Control Department cataloged more volumes than were received, as staff members further reduced working backlogs, actually reaching zero in some areas for short periods of time. The only significant backlog of cataloging is in the area of Latin American materials, a situation created by staff turnover and vacancies. The paucity of staff in the Ibero-American cataloging team was further exacerbated by the great amount of time that the staff members of the team spent on preparations for the 25th annual conference of SALALM, the Seminar on Acquisitions of Latin American Library Materials. As UNM was hosting the conference, and essentially all team members were heavily involved in preparations for it, it is amazing that they cataloged as many materials as they did. The backlog of Ibero materials remaining at the end of the year was about 7,600

pieces. Although this figure is much higher than desired, and is not considered to be acceptable, it is ten percent lower than the 8,357 items awaiting cataloging 18 months earlier. By the end of the next year, the figure will be reduced significantly due to additional staff and the passing of the SALALM obligation.

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

In addition to cataloging new materials and reclassifying and transferring thousands of items, the Bibliographic Control Department also was able to begin a retrospective conversion project using some regular staff working overtime on lapsing funds. During the first six months of 1980, this project converted about 21,000 bibliographic records from card form to machine readable form. This addition to our machine readable data base will be invaluable when we install an on-line circulation system and an automated catalog in the future. The inventory project was also continued, with very positive results. About

94 250,000 of the 500,000 volumes to be inventoried have been completed, with the somewhat surprising results that the "high use" areas that were inventoried were not "high loss" areas. Although it has been at least ten years since an inventory was undertaken on the collection, the overall loss rate was just over two percent, or less than 0.2 percent per year. The area with the greatest loss was engineering (TH-TJ), but even that area lost only 4.5 percent. We assume that loss rates will be even lower in the "low use" areas yet to be inventoried and that loss rates in the future will generally be lower due to the installation of an electronic security system a few years ago. The relatively low number of net volumes added to the collection this year is due to the low purchases during the year and is further compounded by the withdrawal of about 5,800 volumes identified as missing during the inventory.

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

to actively solicit other exchange titles, records were updated and one new UNM title was added to the list of titles that we offer to other libraries on exchange. The new title, New Mexico Studies on the Fine Arts, has already been selected by a number of libraries.

The Serials Department had very high turnover in staff during the year, including changes in key professional positions. The normal staff turnover problems were compounded by the great number of temporary personnel working on the serials reconciliation project. These staff members often moved to permanent positions in the Library, necessitating their replacement by a new temporary person within a short period of time. Fortunately, some of the turnover was kept within the department, reducing retraining requirements.

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

A number of studies and investigations have continued during the year, although results of most of them will not be available for a few months. Some of the major investigations include physical reorganiza-

tion of the Bibliographic Control Department, alternatives to the card catalog, integration of the existing machine readable data base with a future on-line circulation system, costs of alternative forms of the catalog, determination of requirements for future acquisitions and serials accounting systems, modifications to the serials microfiche list, provision of services to satellite and on-site programs, and preparations for the One Millionth Volume Celebration.

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

Titles ordered and received by the Acquisitions Department:

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

Gifts received by the Acquisitions Department:

15,255 books

23,951 issues of periodicals and serials

1,894 government documents

9,236 other items

50,336 total gifts from 1,178 donors

Total library additions, withdrawals, and collection size:

	Total 6/30/79	Added 79/80	Withdrawn 79/80	Reinstated 79/80	Total 6/30/80
Titles	628,074	33,983	10,618	457	651,896
Volumes	962,804	52,291	15,657	535	999,973

Usage of the OCLC cataloging system:

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

Titles received by the Serials Department:

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

Microforms added:

Newspaper Microfilm Reels	1,594
Other Microfilm Reels	4,167
Microfiche Sheets	85,373
Microcards	778
	<hr/>
TOTAL	91,912

Serials expenditures and encumbrances:

Subscriptions	\$400,194
Standing orders	184,759
	<hr/>
TOTAL	\$584,953

B. Significant Plans and Recommendations for the Near Future

The two major conditions that will affect the General Library technical services in the coming year are the adoption of the Second Edition of the Anglo-American Cataloging Rules by the Library of Congress and the potential acquisition of an on-line circulation system by the library. Both of these will significantly impact policies, procedures, and operations in technical services, but both are beyond the control of staff in our area. When the new rules are adopted on January 2, 1981, there will be many changes in cataloging, both for monographs and for serials. We assume that the changes will be implemented on the OCLC system at the same time, but that remains to be seen. Also, many interpretations and practices to be determined by the Library of Congress have not yet been made. The situation will probably be fluid during the coming year, and we will just have to be prepared to adapt to changing conditions. However, many changes can be predicted and preparation, training, and planning will proceed during the latter half of 1980.

The impact of a potential on-line circulation system is also undetermined at this writing. If a system is adopted, it will have a great impact on technical services, as procedures will have to be adopted to transfer data from the OCLC system into the local system. We hope that the new system will be capable of expansion into a complete on-line catalog and that it will have the option of adding a new on-line acquisitions system as well. Until a decision is made on which, if any, system is to be acquired, the technical services staff are in the uneasy position of not being able to make definite plans and trying to keep up with all of the developments in these areas. It is disconcerting to be in the position of having a decision that will greatly affect your operations made by others, both inside and outside of the Library, based only minimally on your input. If a new system is installed soon, we could have totally new operations in the technical services a year from now; if no system is installed, we will be starting again to look for alternative systems for acquisitions, serials, and accounting during 1981.

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

The Acquisitions Department will also be concentrating on improving the vendor file, reconciling the CSO file, transferring active continuation titles to the Serials Department, and developing improved relations with New Mexico book dealers and publishers. The Bibliographic Control Department will continue a number of special projects such as improving authority control, reclassifying and transferring titles, and retro-

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

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

C. Appointments to staff

Shirley Wozniak	LTA II, Temporary, Part-time Serials Cataloging	July 2, 1979
Forrest Blech	CS IV, Temporary, Full-time Serials Acquisitions	July 2, 1979
Alice Loner	CS IV, Temporary, Full-time Serials Checklist	July 2, 1979
Melissa Carlisle	CS IV, Temporary, Full-time Serials Reconciliation	July 2, 1979
Carol Renfro	LTA II, Permanent, Full-time reclassified to LTA III January 1, 1980, Acquisitions Receiving/Gifts	July 2, 1979
Sherrie Brockett	LTA II, Temporary, Full-time Serials Cataloging	July 9, 1979
Don Wood	LTA II, Permanent, Full-time to LTA III, OCLC Coordinator	July 11, 1979
Patricia Jennings	Assistant Serials/Acquisitions Librarian, Instructor, Permanent	July 16, 1979
Anita Allen	Visiting Lecturer II, Temporary, Full-time, Serials Cataloging	August 3, 1979
Susan Haddaway	CS IV, Permanent, Full-time Serials Cataloging	August 8, 1979
Mechele Palmer	CS II, File Maintenance, Permanent, Full-time to LTA I, Acquisitions Searching, Permanent, Part-time	August 20, 1979
Janet Palmer	CS II, File Maintenance, Permanent, Part-time	August 20, 1979
Diane Stine	Serials Cataloger, Instructor Permanent, Full-time Serials Cataloging	August 22, 1979
Forrest Blech	CS IV, Temporary, Full-time to CS IV, Permanent, Full-time Serials Acquisitions	August 27, 1979
Marcella Thomas	CS IV, Permanent, Full-time Acquisitions Receiving/Gifts	August 27, 1979
Dhiren Dave	CS II, File Maintenance, Permanent, Part-time	August 27, 1979

C. Appointments to staff - continued

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

C. Appointments to staff - continued

Pam Apodaca	CS II, Permanent, Part-time Catalog Records	January 15, 1980
Sharon Moynahan	Instructor, Permanent, Full-time Ibero-American Team	January 16, 1980
Susan Haddaway	CS IV, Permanent, Full-time Serials Cataloging (promotion) to LTA II, Serials Cataloging	January 16, 1980
Anthony Francis	CS IV, Temporary, Full-time to CS IV, Permanent, Full-time Serials Checklist	January 21, 1980
Linda Durden	LTA II, Permanent, Part-time Ibero Team to LTA III, Permanent Full-time, Acquisitions Searching	February 4, 1980
Dolores Moreno	CS II, Permanent, Full-time Acquisitions Orders	February 6, 1980
Patricia Seavey	CS II, Temporary, Full-time to CS IV, Permanent, Full-time Serials Cataloging	February 6, 1980
Sue Butcher	CS IV, Temporary, Full-time Serials Checklist	February 11, 1980
Debra Thompson- Castaneda	LTA II, Permanent, Full-time Ibero Team	February 19, 1980
Brenda Ziser	LTA II, Temporary, Full-time Ibero Team	March 3, 1980
Grant Doxtator	Driver V, Permanent, Part-time Acquisitions	March 3, 1980
Connie Thorson	Head of Acquisitions, Permanent, Full-time	April 14, 1980
Joanne Franks	CS II, Permanent, Part-time File Maintenance	April 17, 1980
Illene Renfro	CS IV, Permanent, Full-time to LTA II, Temporary, Full- time, Serials Cataloging	May 19, 1980
Sue Butcher	CS IV, Temporary, Full-time to CS IV, Permanent, Full- time, Serials Checklist	June 2, 1980
Luz Van Coevering	CS IV, Permanent, Part-time Serials Cataloging	June 9, 1980

C. Appointments to staff - continued

Patricia Seavey	CS IV, Permanent, Part-time to LTA I, Permanent, Part- time, Serials Cataloging	June 23, 1980
Henry Guenther	CS II (CETA), Permanent, Full- time, to CS IV, Permanent, Full-time, Serials Cataloging	June 23, 1980

D. Separations from staff

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

D. Separations from staff - continued

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

D. Separations from staff - continued.

Anne Sutherland	CS II, Permanent, Full-time to CS III, Permanent, Full- time, Circulation Department	June 30, 1980
Melissa Carlisle	CS IV, Temporary, Full-time Serials Acquisitions	June 30, 1980
Mechele Palmer	LTA I, Permanent, Part-time Acquisitions Searching	June 30, 1980

II. Composite of information requested on individual biographic supplements

1. Advanced Study

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

Mina Jane Grothey - Latin American Philosophy, Fall 1979

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

Daniel W. Lester - Admitted to Ph.D. Program in Educational Foundations. Philosophies of Education, Spring 1980

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

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

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

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

3. New scholastic honors, fellowships, etc.

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

4. Publications

Russ Davidson - Contributions to Historical Abstracts, 1979 Vol.

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

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

Donald L. Foster

- "Everything You've Always Wanted to Know..." Success, Vol. 31, No. 2 (Spring, 1979), p. 8-9
- "How to Prepare a Questionnaire," Pastor's Manual, Spring, 1979, p. 11-12
- "What You Can do About a Not-So-Perfect Classroom," Success, Vol. 31, No. 3 (Summer, 1979), p. 12-31
- "Do Your Students Know How to Take Notes?" Key, Vol. 71, No. 4 (Summer, 1979), p. 18
- "What's In a Nickname?" Now, August 26, 1979, p. 3
- "A Book for All Peoples," Now, September 30, 1979, p. 4
- "Teaching is Giving," Success, Vol. 31, No. 4 (Fall, 1979), p. 17
- "Get the Facts," Key, Vol. 18, No. 1 (Fall, 1979), p. 14-15
- "Are You Getting Your Feelings Across?" Success, Vol. 32, No. 1, (Winter, 1979-80), p. 9-10
- "Body Language," Key, Vol. 18, No. 2 (Winter, 1979-80), p. 11

Mina Jane Grothey - "Final General Session, Rapporteur," Final Report and Working Papers, Seminar on the Acquisition of Latin American Library Materials, XXIIInd, 1977, p. 51-55. (Published: Austin, Texas, SALALM Secretariat, 1979)

Magnus Mack C. Homestead - Haiku published in Dragonfly, Vol. 7, No. 3, July 1979, p. 64 (five poems) --- Vol. 7, No. 4, October 1979, p. 25 (four poems)

~ In Modern Haiku, V. 10, No. 2, Summer 1979, p. 41; Vol. 10, No. 3, Autumn 1979, p. 6 & 64 (two poems)

- In Haiku Society of America's Frogpond, Vol. 11, No. 2, May 1979, p. 8 (three poems)

Magnus Mack C. Homestead

- In Mature Years, Vol. 11, No. 4, June-August 1979, p. 30 (two poems)

- In Science of Mind, August 1979, p. 102 (one poem)

Rex Carroll Hopson - "Reservists Make Waves in New Mexico," U.S. Department of Transportation, The Coast Guard Reservist, Vol. 26, No. 6, 1979, p. 14

Daniel W. Lester - Cumulative Title Index to United States Public Documents. Arlington, VA.; United States Historical Documents Institute, Inc., 1979- V. 1-6, published, V. 7-16 are forthcoming. Co-author with Lorraine E. Lester and Sandra K. Faull

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

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

Russ Davidson - In progress: "Faculty Status of Librarians in the Rocky Mountain Region" (co-author) and Politics and Ecclesiastical Patronage in Columbia, 1810-1853 (monograph in progress)

- Proposal: "Mexicana and Mesoamericana in the University of New Mexico Libraries: An Annotated Guide to Holdings" - grant proposal submitted to the NEH Research Resources Program

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

Magnus Mack C. Homestead - Continued research toward a book on the philosophy of librarianship

- Various articles on haiku are in process

- Library articles resubmitted to Library Research: An International Quarterly

Rex Carroll Hopson - In progress: New Mexico's Old Hotels and
Opera Houses

- A cumulative index to New Mexico Magazine, Vol. 1-50

Daniel W. Lester - Research on Formula Budgeting for Academic
Libraries

- Research on Chinese Palace Dogs, 1850-1920

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

Connie C. Thorson - "Smollett and Humphry Clinker: A Biblio-
graphical Essay." To be published in the Norton Critical
Edition of The Expedition of Humphry Clinker; due Fall of 1981
- "Some Current Publications," for the Spring 1981 issue of
Restoration.

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

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

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

6. Activities in learned and professional societies

Russ Davidson - Organized and chaired panel on "The historiography

Russ Davidson

of the Church in Latin America

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

Mina Jane Grothey - Presented paper, "The Church in Latin America since Vatican II: recent research trends, at the Rocky Mountain Council on Latin American Studies, Annual meeting, Santa Fe, April 1980

- Attended SALALM Mid-winter, Chicago, January 1980
- Attended SALALM Annual meeting, Albuquerque, June 1980
- Served as Chair, Local Arrangements for SALALM Annual meeting
- Served as Chair, SALALM Cooperative Cataloging Group
- Attended ALA Mid-winter meeting, Chicago, January 1980

Jo Nell Hintner - Attended ALA Mid-winter meeting, Chicago, January 1980

- Chaired Discussion Group on Commercial Automated Support of

Jo Nell Hintner

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

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

Rex Carroll Hopson - Member, Albuquerque Historical Society

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

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

Daniel W. Lester - Attended American Library Association Conference, Dallas, June 23-28, 1979

- Attended Special Libraries Association Conference, Tucson, January 31-February 4, 1979
- Attended Special Libraries Association Conference, Honolulu, June 8-14, 1979
- Served as one of three members of the Special Libraries Association, Select Committee on the future of the journal Special Libraries
- Attended meetings of Rio Grande Chapter of Special Libraries Association, serving as the Chapter President and Past-President
- Attended New Mexico Library Association Annual Conference, Farmington, March 28-31, 1979, and several meetings of its Executive Board

Daniel W. Lester

- Served as Chair of the New Mexico Library Association Publications Committee
- Attended the ALA/RTSD Closing the Catalog Conference, San Francisco, February 13-16, 1979
- Attended Association of Research Libraries Workshops on Development of Library Catalog Cost Models, Arlington, VA., June 4-5, September 10-11, 1979
- Attended Conference on Marketing of Information Services, Arlington, VA., September 12-14, 1979, serving as discussion leader

Sharon Moynahan - Member, Latin American Studies Association

- Member, New Mexico Library Association
- Attended Rocky Mountain Council on Latin American Studies, Annual meeting, April 1980
- Attended Seminar on the Acquisition of Latin American Library Materials Annual Meeting, Albuquerque, June 1980
- Served on Local Arrangements Committee
- Elected Chair, Committee on Library Operations and Services
- Served as Rapporteur General

Connie C. Thorson - "The Happy Wedding: Literature and Politics in Fieldings's Satiric Drama." Presented at the Annual Conference of the South Central Society for Eighteenth-Century Studies in Norman, Oklahoma, in March, 1979

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

Connie C. Thorson

- Attended the Rocky Mountain Modern Language Association Annual Conference in Albuquerque, New Mexico in October, 1979
- Attended the Modern Language Association Annual Conference in San Francisco in December of 1979
- Attended the American Library Association Annual meeting in Dallas, Texas in June of 1979

Evelyn Verstynen - Member, American Library Association

- Member, New Mexico Library Association

Anne Watkins - Attended ALA Conference January and June

- Attended AACR II Workshop, June
- Attended NMLA Conference, March
- Served as member of NMLA Library Development Committee

Benita Weber - Attended ALA Conference January and June

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

7. Other professional activities

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

Donald L. Foster - Revised syllabus, Library Science 427, Classification and Cataloging for UNM Division of Continuing Education

- Taught LS 424 and LS 427 through the Division

Mina Jane Grothey - Indexed journals for Hispanic American
Periodicals Index (HAPI)

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

- Presented paper: "Cataloging, and Finding, Conference Publications Using OCLC" at the SLA Rio Grande Chapter sponsored Workshop on Conference Literature in Science and Technology, May 3, 1980 (publication pending)

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

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

8. Non-teaching University service

Claire Bensinger - Member, University Press Committee

Russ Davidson - Member, Latin American Institute Library Subcommittee

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

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

Mina Jane Grothey - Member, Exhibits Committee, General Library

- Member, Search Committee for Assistant Acquisitions/Serials Librarian, General Library

- Member, Brazil Week 1979 Planning Committee

Jo Nell Hintner - Member, Faculty Senate Budget Review Committee

- Member, Search Committee for Assistant Dean for Collection Development, General Library

Pat Jennings - Future of Bibliographic Records Committee

- Reference Librarian (Physical Sciences) Search Committee

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

Diane Stine - Library Faculty Council

- Library Research and Publications Committee

- Volunteer math tutor in Skills Center

Connie C. Thorson - Library representative to the Senate Graduate
Committee

- Member of Faculty/Staff Benefits and Welfare Committee

- Member, UNM General Library Sabbatical Leave Review Committee

- Chairperson, Parish Librarian Search Committee

Evelyn Verstynen - Member, Scholarships, Prizes and Loans Committee

- Librarian and consultant, Newman Center Library, UNM

Anne Watkins - Ibero-American Cataloger Search Committee

- Future of Bibliographic Records Committee

Benita Weber - Coordinator of Skills Center

- Assistant Dean for Collection Development Search Committee

- Research Allocations Committee

- Continuing Education Committee

- Policy on Withdrawal of Library Materials Committee

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

9. Public services

Mina Jane Grothey - Member, Chancel Choir, First United Methodist
Church

- Librarian for the choir and teacher in United Methodist
Sunday School

Jo Nell Hintner - Member, Cibola High School Booster Club

Magnus Mack Homestead - Contributor to CARE, Society of Friends
Relief Programs, and Kenyon College, Gambier, Ohio

Rex Carroll Hopson - Member, Civic Beautification Committee,
Albuquerque Chamber of Commerce

- Member, U.S. Coast Guard Reserve

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

Connie C. Thorson - Friends of the UNM Library

- Friends of the Bodleian Library

Evelyn Verstynen - Democratic Party Precinct Chairman

- Democratic Party County Central Committee, Deputy Voter
Registrar

Anne Watkins - Secretary, Corrales Historical Society

- Board of Directors, Ocha Cooperative

The Annual Report of the Collection Development Division
of the General Library
July 1, 1979-June 30, 1980
Connie Capers Thorson, Acting Assistant Dean

A. Significant achievements during the year

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

There are presently thirty-one librarians involved in the selection of materials for the General Library. Some of these selectors are the primary library liaison for one or two teaching departments, while some are involved with selecting for area studies programs. Some of the selection assignments have changed during the year as new librarians have been hired and as some other library faculty members with subject expertise have been brought into the selectors' ranks. Being the library's liaison with a particular department or program has permitted the faculty member to become more intimately acquainted with many of the faculty and students in those departments and programs. It has allowed the librarian to become even better acquainted with the areas of concentration and the various degree requirements for their areas of specialization. In many cases, the person who selects for a department is also the reference, library instruction, and on-line search-service

expert in that area. This total service program is one of the best features of the new divisional organization. Another outstanding organizational feature is that selectors have primary appointments in every department in the library--some are reference librarians, some are cataloguers, and some are acquisitions or serials librarians. Having many people from many departments involved in selection has added to the cohesion of the library's faculty. This involvement of so many in one of the General Library's most important functions is, indeed, a significant accomplishment.

Even though the allocated book budget for the General Library is not adequate for a research library, another significant achievement of the 1979/80 fiscal year was obvious in the buying patterns that emerged throughout the year. In the fall of 1979 the selectors, together with the Dean, recognized overtly that the percentage of funds spent on serials and continuations would have to be allowed to float upwards. This conclusion was reached after several months of intense evaluation of serials in every subject area and the cancellation of extraneous titles. This cancellation project was coupled with the serials reconciliation project which has allowed the librarians to have hands-on experience with all the currently-received serials titles in the library's collection. However, after the fat had been trimmed away, it became obvious to everyone that there are journals in every field that cannot be excluded from any research library. The conclusion that core serials had to be added was also obvious. Some faculties, those in the sciences are a good example, depend heavily on serials for the support of their research. Standing orders, necessary for those materials that appear once a year or for those that appear in sets published over a number of years, also had to be set up. The General Library, in many cases, had been buying these annual volumes and the available volumes in sets every year. Such buying practices are an irrational use of library personnel and resources. But standing orders, like serials, imply an on-going obligation that cannot be ignored.

At the same time that serials reconciliation was progressing and that serials orders were being placed, the selectors all made a significant contribution by monitoring approval and blanket order plans and by ordering materials on a title-by-title basis. Title-by-title ordering, if it is done well and if it really reflects the research interests of the faculty and students, is an extraordinarily time-consuming endeavor. Title-by-title ordering is necessary because no approval plan, which is always based on a profile for needed materials, can supply every title that is necessary. Most approval plans cannot supply any retrospective titles and will not supply the publications of societies, associations, and private research organizations. Approval plans cannot provide copies of books that need replacing or copies of materials for which duplicates are an absolute necessity. It is the obligation of the subject selector to scrutinize faculty and student requests for titles, review literature, and publisher's catalogues in order to make sure that the General Library is receiving the materials necessary to support the University's programs and course offerings. The conscientious carrying out of these obligations and responsibilities is the most significant contribution any subject selector can make.

Perhaps the most significant recurring problem throughout the entire year was that of library funding. The appropriated budget for the 1979/80 fiscal year was so inadequate that Dean Vassallo carried the case for an additional allocation to the University Administration. He was successful in his endeavors, and in the fall, the General Library received an additional \$150,000 for library materials. He was aided in his presentation by the Ad Hoc Steering Committee on Library Funding, chaired by Professor Claude-Marie Senninger. This committee obtained almost unanimous support from the teaching faculty for additional funds being diverted to the library for the purchase of necessary research materials. Petitions with the signatures of

almost all teaching faculty were presented to the administration, and this show of strength was both formidable and useful. However, that additional money was a one-time allocation, and it has not solved the problem, which is, in every way, an on-going one. It is imperative that the funding for the General Library reach a level that will allow both for inflation and growth. Until the base on which appropriations are figured reaches a level that will allow for both growth and inflation, the General Library will not be able to adequately serve the educational needs of its patrons. How to get the level of funding to an adequate point is the most pressing problem facing the General Library. As long as the support for the materials budget is marginal, the General Library will have to turn down many requests of students and teaching faculty.

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

Library increased by over 20,000 and the donors by over 400 during the fiscal year.

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

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

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

tive merits of the materials needed.

B. Considerations for the immediate future

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

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

The University of New Mexico General Library needs a gifts' policy statement. A committee to draft a gifts' policy has already been appointed, and it will, it is hoped, produce not only a policy that will help the development of the collection but will also produce a brochure that will be available to all donors and potential donors. Finding a balance between accepting gifts and keeping donors happy with the library will be difficult. However, if the number of gifts were to grow in the same way that it did during 1979/80, the staff of the General Library would not be able to process those gifts.

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In addition to gifts of books and other library materials, the General Library should begin a program of actively pursuing grants that would allow for the purchase of much needed materials. In times of a decreasing budget, the temptation is to try to bring up those areas of the collection that are lacking while allowing the areas of strength to decline or languish. Soon, of course, the areas of strength are just mediocre. Pursuing grants that would enable us to continue building our areas of strength would be of great value to the University.

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

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

Harvard, Yale, and the University of Illinois, not to mention the Library of Congress and the New York Public Library.

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

C. Appointments to staff

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

D. Separations from staff

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

E. Selection Assignments

Linda Lewis - Women's Studies; Humanities Coordinator

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

Evelyn Verstynen - French Literature and Language

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

Steve Rollins - American Studies

Claire Bensinger - German Literature and Language

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

Judy Pence - Linguistics and Classics

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

Jim Wright - Music, Theatre Arts

Bea Hight - Philosophy and Religious Studies

Donald Farren - Special Collections

Margo Trumpeter - Journalism and Speech Communications

Sharon Moynahan - Ibero-American Anthropology and Archaeology, Education,
Psychology

Diane Stine - Russian Language and Literature

Mary Ellen Hanson - Education and Psychology; Education Coordinator

Benita Weber - Library Tools and Library Science

Deborah Eagan - Education, Tireman

Fran Oscadal - History, Economics, Political Science, NROTC; Social
Science Coordinator

Ellen Robertson - Sociology and Anthropology

Charlie Seavey - Geography, Maps, Government Documents

Judith Bernstein - Parish and Public Administration - Business Adminis-
tration and Management for Zimmerman

Ernestine Paniagua - Ethnic Studies

Carol Hutchins - (Dorothy Trester) - Physics, Mathematics, Geology;
Science Coordinator

Zanier Vivian - Engineering

Gilda Baeza - Biology and Communicative Disorders

Harry Broussard - Computer Science

Pat Jennings - Newspapers

Jim Jacobs - Local and International Documents

Teresa Marquez - State Documents

Sandra Coleman - Reference Coordinator, Chemistry

The Report of Administrative Services
July 1, 1979 - June 30, 1980
Margo Rathbun, Assistant to the Dean for Management

1. Significant Developments during 1979/80

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

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

Staff development efforts included a monthly professional roundtable discussion; workshops on interviewing, being interviewed, telephone procedures, time management and analyzing performance gap; tours of the law, medical and Sandia libraries; safety workshops by Bill Carroll, Campus Safety Officer; and problem patron workshops by Pam Boyer of Campus Police.

The Report of Administrative Services, 7/79 - 6/80
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Margo Rathbun was invited to become a HEMI trainer. She attended the required workshops to prepare her for this responsibility. As a result, she led a workshop on analyzing performance gaps at the Cancer Research Center with Sheila Mattox.

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

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The Library continued to recruit minority staff and faculty. Besides the recruiting efforts mentioned above, a Division of Vocational Rehabilitation client was placed in the library for a three-day experiment; the relationship with Career Services for the Handicapped continued; WORP students were hired, and college students were hired for the summer through the All Indian Pueblo Council.

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

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

Building. A number of large shifts were made during the year. The Government Publications office switched places with the Copy/Media storage area; the third floor was remodelled to accomodate the Basic Skills Center; the microforms reference area was re-arranged, which required the moving of the microfiche cabinets and readers from one bay to another; the reference area on the first floor was remodelled to enclose an office area for the librarians and the stacks and card catalog were moved.

The Report of Administrative Services, 7/79 - 6/80
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A security system was installed in the Meem area. The physical plant painted the inside of the building and a regular pest extermination program was begun in both Zimmerman and Parish libraries.

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

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

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

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

David Williams worked with Harry Broussard to computerize the weekly materials expenditures/encumbrances report; the monthly financial reports; and the weekly

The Report of Administrative Services, 7/79 - 6/80
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BATAB agency fund reports. With input from management and the selectors, Harry Broussard wrote the computer programs for each. The production time of these reports has been shortened by a matter of days and more frequent and current lists can now be produced.

The Library's new membership in Association for Research Libraries required completion of two comprehensive salary surveys. David Williams responded.

David Williams wrote a contract which allows the Library to supply interlibrary loan services to CDS laboratories in Colorado. The office has taken on the requisition and billing responsibilities for the on-line data base search service; for interlibrary loan, including the contracts with CDS and Sandia Laboratories; and for the Copy/Media center.

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

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

--Improvements were made to the computerized mailing lists for the Friends and for job applicants.

- A reference binder containing all current statistical data on the Library was established and is retained in Harry's office.
- Harry learned to use the new computer installed in January and trained several others to use it. In the past, that facility was relied on for the production of updated telephone lists and orientation manuals, despite the lack of text editing commands and the dubious quality of the printed product. True word processing equipment will be welcomed by the office.

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

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

During his tenure, he coordinated the preparation of three grant proposals. "A Documentation of the Navaho and Hopi Indian Relocation Dispute" was funded at \$73,855 by the National Endowment for the Humanities Special Projects Division. The Greater UNM Fund supported "A Keepsake Volume for the University

of New Mexico Libraries' one Millionth Acquisition Celebration" at \$1000.

The third project, "Mexicana and Mesoamericana in the University of New Mexico Libraries: An Annotated Guide", was submitted to the Research Resources Division of the National Endowment for the Humanities to be funded at \$86,314.

2. Plans and Recommendations for the Future

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

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

The effect of the union on the personnel of the library is unknown. Since Margo will be involved in all grievances, it is fair to speculate that more of her time will be spent on personnel in the future.

Margo has been accepted into a special certificate program in public budgeting and finance offered by the Public Administration division. These courses and specialty will probably raise some questions and suggest new ways of looking at the budgeting procedure. There may, therefore, be more of an involvement on her part in the fiscal services of the library. She already has been more involved with the Acting Assistant Dean for Collection Development in developing the internal allocation of materials budget.

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

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

3. Appointments to Staff

Mary Kelly, CS II, 8/13/79

Barbara Sutherland, Staff Secretary, 8/14/79

Judi Peck, Administrative Secretary, 9/4/79

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Jerry Wise, Resource Development Librarian, 11/11/79

David Gonzales, Administrative Assistant, 11/26/79

4. Separations from Staff

Sandra Weeke, Administrative Secretary, 8/2/79

Anne Sutherland, CS II, 8/6/79

George Miller, Director for Library Communications, 8/8/79

Irene Moreno, Administrative Assistant, 10/31/79

Judi Peck, Administrative Secretary, 6/27/80

Barbara Sutherland, Staff Secretary, 7/11/80

Jerry Wise, Resource Development Librarian, 6/30/80

5. Publications

DeVolder, Arthur L. (Professor Emeritus), "John Gaw Meem, F.A.I.A.:
An Appreciation". New Mexico Historical Review, July 1979, vol.54, no.3,
pp. 209-225.

6. Outside Professional Activities

Broussard, Harry. Attended breakfast meeting of Special Libraries Association
Rio Grande Chapter in May, and American Library Association Midwinter Conference
in January. Attended New Mexico Collegiate Data Processors meeting held in
Albuquerque in the spring.

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

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

7. Outside Sponsored Research

None

The Report of the Acquisitions Department
Technical Services Division, General Library
July 1, 1979 - June 30, 1980
Connie Capers Thorson, Acquisitions Librarian

I. General Department Information

A. Significant achievements during the academic year

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

Probably the greatest challenge to and most significant achievement of the department during the year was the result of a disproportion in the flow of orders. The flow was very light in the fall, but in January, February, and March it was very high. In order to cope with the crush of orders during those months, the department had to solicit help from other departments in the Library. Help was graciously offered by both Serials and Bibliographic Control. Also, the searching of standing order receipts had to be abandoned for a few months. It was gratifying to see how well the members of the department worked together during this difficult time. The cooperation among the sections was outstanding, with staff members going to the areas where they were most needed at any given time. The various sections gained a greater understanding of what it means to be a department during this time. Fortunately, during these months the turnover in the department was minimal.

Communication within the department and with other departments was another area that continued to see improvement during the year. Having a librarian who works half time in Serials and half time in Acquisitions has been a great help in this area. Having a person knowledgeable about both areas is an intelligent use of library resources. The work of these two departments is so inter-related that each needs to know what the other is doing and how various practices and procedures affect the other. Working together, while it may seem an obvious necessity, is not always easy to do in a large organization, but the new lines of communication are helping the Acquisitions staff to perform their functions and discharge their responsibilities to the General Library in more effective ways.

Acquisitions Purchasing

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

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

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

Searching

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

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

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

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

Order Section

The Order Section did an extraordinary number of orders this year, especially when the fact that most of the ordering was done in the winter months is considered. The total approval orders were down by about 2,000 from the 1978/79 fiscal year, which means that the number of firm orders increased considerably, as can be seen quite clearly from the table of statistics from the previous years. One trend that the section saw

during the year was an increase of prepayments. Probably because of the economic situation, the demand for prepayments soared during the year. Handling orders such as these increases the work of the section a great deal.

Receiving/Gifts

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

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

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

The Gifts Section had its work cut out for it during the last year. The increase in the number of gifts received is staggering. The increase is more than 20,000 above the gifts received last year. And the number of donors increased by 467. The handling of gifts is a very labor-

intensive job, and it has been handled well throughout the year. In addition, the gifts personnel have undertaken to distribute the materials that we have received permission to dispense to other libraries. An active list of places that are eager for materials that we do not need is being kept.

Significant Gifts

Some very significant gifts, both in terms of quality and quantity, were received during the past fiscal year. These include the following: 5,073 books and serials from the estate of the late Professor Arnold Koschmann; 688 books and serials from the estate of the late Professor Franklin Dickey; 2,058 books and serials from retiring Dean of Arts and Sciences, Nathaniel Wollman; 1,901 items from Abraham I. Shinedling; 753 items from the estate of the late Ralph S. Trigg; 269 items from Professor Peter Pabisch; 795 items from Professor Ralph Norman; 1,431 books from the UNM Bookstore; 2,617 books from the NROTC Department; 2,944 items from KHEM Radio Station. The list could go on and on, but this is a representative sampling.

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

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

- 15,255 books
- 23,951 serials
- 1,894 government documents
- 363 music scores
- 1,214 reports
- 2,077 pamphlets
- 27 catalogs
- 2,069 audio-visual materials
- 1,377 records
- 2,109 miscellaneous items

Total number of items: 50,336
Total number of donors: 1,178

B. Significant plans and recommendations for the near future

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

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

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

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

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

C. Appointments to Staff

Carol Renfro

LTA II, Permanent, Full-time
reclassified to LTA III
January 1, 1980

July 2, 1979

Patricia Jennings	Assistant Serials Acquisitions Librarian	July 16, 1979
Michele Palmer	LTA I, Permanent Part-time	August 20, 1979
Marcella Thomas	CS IV, Permanent Full-time	August 27, 1979
Patricia Barraza	CS II, Permanent Part-time	September 11, 1979
Linda Durden	LTA III, Permanent Full-time	February 4, 1980
Dolores Moreno	CS II, Permanent Full-time	February 6, 1980
Grant Doxtator	Driver V, Permanent Part-time	March 3, 1980
Connie Thorson	Head of Acquisitions, Permanent	April 14, 1980

D. Séparations from Staff

Eva Sanchez	CS IV, Permanent Full-time	August 16, 1979
Marcella Thomas	CS II, Permanent Part-time	August 24, 1979
Janet Johnson	LTA III, Permanent Full-time	January 18, 1980
Patricia Barraza	CS II, Permanent Part-time	January 19, 1980
Richard Martinez	Driver V, Permanent Part-time	February 15, 1980
Mechele Palmer	LTA I, Permanent Part-time	June 30, 1980

ACQUISITIONS DEPARTMENT

Statistics

July 1, 1979 - June 30, 1980

AGENCY	TOTAL ORDERED	TOTAL RECEIVED	OPEN ORDERS
BHB	945	641	304
BLW	1,026	1,026	0
BNA	5,721	5,724	0
BSK	50	50	0
CTG	4	4	6
EDU	821	820	223
ETH	512	423	161
FAL	802	754	247
FAP	1,102	1,102	0
FED	0	1	1
FRN	0	0	3
GEN	86	89	41
GOV	73	70	9
HUM	2,044	1,595	719
JPN	319	294	25
LAT	1,004	738	320
LBO	4,733	4,733	1
MAP	232	184	72
MEM	58	59	2
MSC	0	0	0
NMA	97	75	23
PML	795	611	296
REF	231	206	91
SCI	791	705	189
SOC	1,663	1,443	478
SPC	536	468	96
STO	3,184	2,726	1,844
SUB	4,540	4,450	501
SVC	54	55	16
TIR	1,232	1,145	153
YYY	2,567	2,567	0
TOTALS	35,222	32,758	5,821

II. Composite of individual biographical supplements

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1. Advanced study

None

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

None

3. New scholastic honors, fellowships, etc.

None

4. Publications

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

5. Research/creative works in progress

Connie Thorson - "Smollett and Humphry Clinker: A Bibliographical Essay." To be published in the Norton Critical Edition of The Expedition of Humphry Clinker; due Fall of 1981.

- "Some Current Publications," for the Spring 1981 issue of Restoration.

- Essay untitled as yet, on four novels by Lars Lawrence (the pseudonym of Philip Stevenson) which deal with the riots after the labor strikes in Gallup, New Mexico in the early 1930's. To be included in a book on New Mexico Labor History by Robert Kern, Professor of History at UNM. To be published by UNM Press in 1981. Co-author with James L. Thorson.

- Survey on faculty status in the Rocky Mountain Region with Russ Davidson and Margo Trumpeter. Supported by a UNM Research Allocations Grant.

6. Activities in learned and professional societies

Connie Thorson - "The Happy Wedding: Literature and Politics in Fielding's Satiric Drama." Presented at the annual conference of the South Central Society for Eighteenth-Century Studies in Norman, Oklahoma, in March, 1979.

- "Insult, Invective, and the Fine Stroke: How Edinburgh Fared."

Accepted for presentation at the annual conference of the South Central Society for Eighteenth-Century Studies to be held in Albuquerque, New Mexico in March of 1980.

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

- Attended the Modern Language Association annual conference in San Francisco in December of 1979.

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

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

7. Other professional activities

None

8. Non-teaching University service

Connie Thorson - Library representative to the Senate Graduate Committee.

- Member of Faculty/Staff Benefits and Welfare Committee.

- Member, UNM General Library Sabbatical Leave Review Committee.

- Chairperson, Parish Librarian Search Committee.

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

- Member, UNM General Library Science Reference Search Committee, September 1979 -

9. Public Service

Connie Thorson - Friends of the UNM General Library

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- Friends of the Bodleian Library



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THE REPORT OF THE CIRCULATION DEPARTMENT

JULY 1, 1979 - JUNE 30, 1980

STEPHEN ROLLINS, DEPARTMENT HEAD

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

1. The Circulation section participated in numerous shifting and moving projects.
 - a. Installing shelving at Tireman
 - b. Shifting the material formerly housed in TL 5-8 into TL 6-8.
 - c. Transferring titles in the HE classification from Parish to Zimmerman.
 - d. Remodelling the Reference Index Area and the main Reference Collection.
 - e. Consolidating part of the Dewey periodical collection to accommodate the Evans and the UN microprint collections.
 2. The Circulation section provided statistical data for the following studies.
 - a. Survey of high usage classifications.
 - b. Comparison of circulation growth and collection growth.
 - c. Circulation figures for non-UNM patrons.
 - d. Profile of UNM ILL activity in the Southwest.
 - e. Circulation figures for non-UNM patrons.
 - f. Survey for the Bibliographic Center for Research in Colorado to gauge the accuracy of their union catalog.
 3. A new policy for organizational memberships was implemented. Eight companies participated in this program, paying the Friends organization \$220.00 in fees.
 4. The time consuming process of producing a Request for Proposal for an on-line circulation and inventory system was completed. The final version of the RFP was distributed to various vendors during the month of May. On June 30, UNM received bids on the RFP from CLSI, Dataphase, IBM and the Ohio State Users Group. (LCS).
 5. During December, the Executive Council approved a reorganization of the Circulation Department. With William Zahner's promotion to the position of Circulation Supervisor and with the appointment of a Circulation Librarian, it was possible to distribute the responsibilities of the LTA III position vacated by William Zahner. The money formerly designated for the LTA III position was used to fund a full-time CS IV and to expand the department's part-time CS III into a full-time CS III.
- The reorganization resulted in better use of staffing, more flexibility in job assignments, and an actual increase in the number of staff hours assigned to the Circulation Department. In particular, the lending section of ILL benefited from this reorganization, since 20 hours per week of the expanded CS III position was introduced into the operation. The CS III position should not only increase the effectiveness of an operation formerly maintained by student assistants but this position will confront the anticipated increase in lending requests which will result from the Library's OCLC retrospective conversion program and from the future installations of additional OCLC terminals in New Mexico.

The expanded CS III position has not only been scheduled in ILL's lending section but assists in the processing of reserve materials. The CS IV not only maintains reserve processing but may assist in the areas of payroll, billing, and carrel assignments. The remaining LTA III position in the department will be freed of some clerical routines eventually and will be reassigned more appropriate responsibilities in verifying reserve requests. The reorganization has brought more flexibility to the operations which has increased the department's ability to react to the seasonal work flow of the reserves, circulation and ILL sections.

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

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

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

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

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

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

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

13. The circulation section continued its program of providing photocopies of articles requested by the Department of Fishery and Wildlife Science which is part of the College of Agriculture and Home Economics at NMSU. This document retrieval program abides by the copyright provisions and to date had supplied 90 articles to the research project on Wildlife Habitat Assessment. (project no. 1-5-28320)

14. At the request of the French Summer School and the German Summer School, the circulation section assisted in transferring several hundred volumes to Taos. The material has been assigned to these programs on a temporary basis and will be returned before the end of the summer session.

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

16. The following visitors came to the Circulation Department;

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

Annual
Circulation Department Statistics

	1979-1980	(%±)	1978- 1979
Circulation	<u>254,264</u>	<u>-26.8%</u>	<u>347,547</u>
Books	<u>183,834</u>	<u>-21.0%</u>	<u>232,984</u>
Student	<u>152,517</u>	<u>-23.9%</u>	<u>200,422</u>
Faculty	<u>12,641</u>	<u>-10.7%</u>	<u>14,168</u>
Other	<u>18,676</u>	<u>+1.53%</u>	<u>18,394</u>
Serials	<u>13,128</u>	<u>-11.7%</u>	<u>14,868</u>
Government Documents	<u>5,205</u>	<u>+2.7 0%</u>	<u>5,068</u>
Total Charges	<u>202,167</u>	<u>-20.0%</u>	<u>252,920</u>
Discharges	<u>215,501</u>	<u>-9.60%</u>	<u>238,396</u>
Renewals	<u> </u>	<u> </u>	<u> </u>
Reserve	<u>47,853</u>	<u>-47.0%</u>	<u>90,372</u>
Interlibrary Loan			
Borrowed	<u>3,949</u>	<u>+15.2%</u>	<u>3,427</u>
Lent	<u>4,244</u>	<u>+5.91%</u>	<u>4,007</u>
Gate Count	<u>1,099,867</u>	<u> </u>	<u>970,066</u> - from Sept. '78 only

INTERLIBRARY LOAN SECTION

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

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

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

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

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

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

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

7. OCLC has installed various enhancements to the OCLC/ILL subsystem during 79/80. The significant changes among these enhancements are:

- a. New status categories.
- b. Access to an ILL request by patron's name.
- c. Display of the holding libraries by state postal code, within the region or within the state.
- d. New commands which simplify the routine of updating ILL records are now available: SD for shipped, R for item received, RD for item returned, and "NEW" for recreating unfilled requests. The "NEW" command of recreating a request will raise the cost of OCLC/ILL since the requesting library will have to pay an additional fee for this new request. Previously ILL could submit a new lender string at no cost for "unfilled" requests.

e. A reorganization of the ILL message waiting file which separates those messages which need "immediate attention". This new display facilitates the updating process and reduces the changes of losing records.

8. Since the General Library has agreed to the new AMIGOS ILL Code, the following policies and procedures will be effective, July 1, 1980.

a. On all requests the commercial at sign (@) will be inserted into the borrow notes field or the lending notes field as appropriate to signify agreement with the new code.

b. There is no requirement of checking BIP for borrowing within AMIGOS. However since the existing national code still requires this practice, BIP will be checked until the national code is revised. When or if the national code is revised, ILL will establish a new system of alerting selectors of borrowing requests.

c. UNM will not charge libraries or will not be charged by those libraries which have signed the new AMIGOS ILL Code. Agreement with the code will be indicated by a "commercial at sign" (@) on their requests to UNM. UNM will not charge for handling, postage, insurance, and for up to 50 pages of photocopy. A list of those libraries who have signed the agreement will be sent to Copy Media once such a list is available. ILL will write on the appropriate photocopy requests, "DO NOT CHARGE" to inform Copy Media that the request is from an AMIGOS library which abides by the code.

d. UNM will abide by the national ILL code where the AMIGOS code is silent. (i.e. AMIGOS code does not specify duration of loans or renewal policy).

e. While the decision to loan materials is at the discretion of the lending library, AMIGOS members are encouraged to interpret as generously as possible their own lending policies.

9. After the Circulation Librarian participated in a DIALOG training session, DIALOG became accessible to the ILL section. While the utilization of DIALOG is limited by the scope of the system's data bases and by the relative high costs involved in searching on-line, DIALOG can be useful in expanding the capability of ILL. As a last resort, DIALOG can be used to verify ILL requests which can not be located in standard bibliographic tools. The ability to search by the key words of an article title add a new dimension to the verification process. Besides assisting in the verification of ILL requests, DIALOG's DIALORDER service provides an additional method of requesting both data base and non-data base items. More than 20 vendors presently are available via DIALORDER. While an evaluation of DIALORDER can not be made at this time, this service has been successful in providing copies of documents which were not available from the usual ILL sources.

10. In June, the General Library signed a contract with Sandia Laboratories which expanded its previous service agreement with Sandia. Not only would ILL continue to provide Sandia with materials from the General Library's collections, but ILL would attempt to locate and supply any item requested by Sandia. During June, ILL supplied 314 items to Sandia. While 180 items were retrieved from the General Library's collections, 134 items were received for Sandia from other locations. (112 from OCLC or CRL; 22 from other sources). During the first four weeks of this program only seven requests were returned to Sandia unfilled. The contract with Sandia supports a 3/4 time LTA II position which is dedicated to the task of fulfilling Sandia's requests.

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

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

TO: Alice Clark and Stephen Rollins

FROM: Dorothy Wonsmos, Interlibrary Loan Librarian

BORROWING:

	1979-80	1978-79
Requests from patrons	4,975	4,542
Transactions completed	3,949	3,427
Number of requests returned	1,419	1,115
Total borrowing transactions	5,368	4,542
Number of photocopies	1,380	955
Consortium Libraries transactions	752	789
Other New Mexico Libraries transactions	220	87
Items from CRL 306 189 and CRL-JAS	31	74
Total requests sent:		
1. By TWX (Total)	1,569	4,434
Regular requests	1,291	4,118
Status report inquiries	246	270-from 10/78
Special Messages sent	45	46-from 10/78
2. ALA Forms typed	748	547
3. OCLC requests	2,540	492-from 3/79
4. Tymshare requests from 10/79	190	none
TOTAL TRANSACTIONS FOR	12,853	11,633
TOTAL TRANSACTIONS COMPLETED FOR	8,193	7,434

DATE:

SUBJECT:

LENDING:

	1979-80	1978-79
Requests received from other libraries	7,750	7,689
Transactions completed	4,244	4,007
Unfilled requests	3,241	3,084
Total lending transactions	7,485	7,091
Number of photocopies	1,316	1,275
Consortium Libraries transactions	1,095	1,093
Other New Mexico Libraries transactions	634	843
CDS Lab. Durango, CO-requests filled-from 380	28	none
Total requests received:		
1. By TWX	2,264	4,034
2. From ALA Forms	2,705	2,829
3. From OCLC	2,781	349-from 4/79
4. From CDS Lab. Durango, Co. from 3/80	35	none
Sandia Laboratory Statistics (not included in totals) from:		
Books lent	322	289-9/78
Photocopies	1,155	908-9/78
Unfilled Requests	348	421-9/78
OCLC or NUC searches for locations	17	10-3/79
Phone requests (red flags)	140	25-3/79

Sandia Requests Received From Locations Other Than UNM

OCLC - 111 TWX - 0 ALA Forms - 1 OTHER - 22 (6/80-01.1Y)

RESERVES SECTION

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

1. Approximately 300 volumes for the Latin American Programs in Education were retrieved from the College of Education and incorporated into the Reserve collection at Zimmerman.
2. The Reserve section provided a temporary review area at the request of the Law Library. Various titles retrieved from the collection were reviewed by Prof. Luis Stelzner's assistants for Prof. Stelzner's work on Mexican immigration.
3. To increase the availability of certain high use (and supposedly high theft) periodical titles, 22 serials were transferred from the display area to the Reserve section. These issues will be charged out to any library patron after acceptable identification is presented at the desk. The Reserve section will maintain statistics on the use of these titles. At the present time, eight of the serial titles are duplicated in the display area. Notices are posted informing library patrons that an additional copy is available at the Reserve Desk.
4. Since UNM hosted the Summer Institute of the Linguistic Society of America, the Reserve section was responsible for the retrieval and the organization of a collection of approximately 700 volumes which was made available to those individuals attending the Institute.
5. The Reserve section assumed the responsibility of maintaining a special periodical collection for UNM's Linguistics Department. The current issues of the TESOL Quarterly, Language Learning, Foreign Language Annals, and the International Review of Applied Linguistics are now shelved at the Reserve Desks.

PERSONNEL CHANGES IN THE CIRCULATION DEPARTMENT
FOR THE 1979-80 FISCAL YEAR

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

DATE: June 3, 1980

TO: Bill Zahner
FROM: Mary Ann Lopez *ML*
SUBJECT: Student Payroll Report - 1979-80

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

STUDENT ASSISTANTS (Payroll 60)

Total student assistant hours used during 1979/80: 7145.5

WORKSTUDY (Payroll 40)

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

Workstudy hours accumulated: 18,117

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

mal

xc: Rollins

SIGNIFICANT PLANS AND RECOMMENDATIONS FOR 80/81

1. Evaluate the bids received by the University for an on-line circulation and inventory system. Recommend acquisition of a particular system and have the system operational by June, 1981.
2. Expand the present document delivery service to include more clients and establish an on-campus delivery system.
3. Centralize the overdue and billing operations.
4. Produce a computer catalog for A-V materials now housed in Zimmerman.
5. Acquire a Kurzweil Reading Machine.
6. Evaluate DIALOG's DIALORDER service.
7. Update the evaluation of UNM's membership with CRL.
8. Prepare for the five-year Copyright review which is scheduled for 1981.
9. Establish a policy which will suspend borrowing privileges to delinquent patrons.
10. Study the future shelving needs of the General Library.
11. Improve the ILL environment by establishing more mutually beneficial programs with other libraries or networks.
12. Set-up a typing room for patrons in Zimmerman.
13. Study the possibilities of extending Library hours.
14. Add another full-time position to ILL.
15. Explore the possibility of gaining access to RLIN's data base.
16. Encourage and plan for further expansion of the state network.
17. Explore the possibility of dial-up access to OCLC data base.
18. Establish a procedure of utilizing collection usage statistics in the collection development process.

COMPOSITE OF INFORMATION REQUESTED ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

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

Stephen Rollins

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

2. Publications

Stephen Rollins

- a. "Why CLSI at URI" July/August 1979 R.I. Library Association Bulletin p.19-23.

3. Other Research Projects

Stephen Rollins

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

4. Activities in Professional Societies.

Stephen Rollins

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

Dorothy Wonsmos

- a. Member of NMLA
- b. Member of GALA

5. Other Professional Activities

Stephen Rollins

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

Dorothy Wonsmos

- a. Received 20-year service award pin.

6. Non-Teaching University Service.

Stephen Rollins

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

Dorothy Wonsmos

- a. Zimmerman Library Professional Enrichment Committee.

I wish to thank all members of the Circulation Department for their interest and commitment and for assisting me in my first year at UNM.

THANK YOU

Stephen Rollins

The Report of the Fine Arts Library
Readers' Services Division, General Library
July 1, 1979 - June 30, 1980
James B. Wright, Head

I. General Departmental Information

A. Significant achievements during the academic year

Collection Development

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

1. American Architectural Books (microfilm)
2. British Journal of Photography (microfilm)
3. Index to American Design
4. Repertoire International des Sources Musicales. Series B,1.
5. Studies in Musicology

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

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

Technical Services

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

1. Classification and making accessible the Gaganti Music Collection.
2. Inventory of collection (step one - comparing shelflist to books on shelf - was completed. Corrections to the shelflist and books were made. Step two - searching - was started and will be completed in the future).
3. The thesis and dissertation collection of the Fine Arts Library was transferred to Zimmerman. Third copies and needed works will be classed in regular FAL classifications (M,N,TR) for the FAL collection.
4. All 700's that were found missing when they were reclassified to Library of Congress classification were withdrawn. Some 700 classification periodicals were reclassified but the project was not completed.
5. Art exhibition catalog classification project continued to progress at a steady pace.

Public Service

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

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

indicated a need for the use of library material and services.

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

John Donald Robb Archive of Southwestern Music

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

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

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

General

The professional activity of Nancy Pistorius with professional organizations has been excellent. She attended the Art Libraries Society

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

B. Significant plans and recommendations for the near future

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

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

9. To continue work on the John Donald Robb Archive of Southwestern Music as outlined in the Archive's position paper
10. To work with the College of Fine Arts Library Committee more effectively regarding collection development

C. Appointments to staff

None

D. Separations from Staff

None

II. Composite of Information Requested on Individual Biographical Supplements

1. Advanced study

None

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

None

3. New scholastic honors, fellowships, etc.

None

4. Publications

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

Nancy Pistorius - Contributing author to the Guide to Copy Photography for visual Resource Collections. Mid-America Art Association, "Bibliography", pp. 93-100, 1980.

5. Research/creative works in progress

James Wright - Grants received

- a. Research Allocations Committee - UNM - \$4,648.00 - "Preservation of the musical culture of the Southwest with special emphasis on the ceremonies of the Navajo at White Cone, Arizona, 3/79 - 6/79.

- b. Research Allocations Committee - UNM - \$969.92 - "Emergency funds for Continuation of above research - 10/79 - 7/80.
- c. National Endowment for the Humanities (Special Projects Division) \$50,153.10, 7/80 - 6/81. "A Documentation of the Navajo and Hopi Indian Relocation Dispute."
- d. Greater UNM Fund - \$1,500.00 - "Translation of the South-western music collection."
- Proposals written - Collision of Cultures: A Documentation of the Navajo and Hopi Indian Relocation Dispute - submitted to Akbar Foundation and Rockefeller Brothers Fund - Neither funded

Nancy Pistorius - Contributing author to the Guide to Architecture Slide Collections, Mid-America Art Association, "List of Resource Materials, Fall 1980.

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

6. Activities in learned and professional societies

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

- New Mexico Library Association - Education Committee
- Association for Recorded Sound Collections - National Executive Secretary, National Board of Director's.

Nancy Pistorius - Art Libraries Society of North America (ARLIS/NA) 7th Annual Conference, Toronto.

- Mid-America College Art Association (MACAA), Tempe, Arizona.
- ARLIS/NA - 8th Annual Conference, New Orleans, Program Coordinator for the Visual Resource, Special Interest Group (SIG).

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

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

7. Other professional activities

James Wright - Teaching - Music 429 - "Folk Music of North America,
 UNM Summer School 1979 and Spring 1980

- Lecture - "Music in New Mexico" - History of New Mexico Class
 at Santa Fe Graduate Center.

- Workshop Leader - "Preservation of Folk Material" - Indian
 Library Cultural Centers Project.

- Recital - Member of Chorus for Vocal Conducting Masters Degree
 Candidate

- Program - Coordinator and Master of Ceremonies - "John Donald
 Robb Archive of Southwestern Music, Naming Ceremony, May 9,
 1980, Keller Hall.

- Talk - "The White Cone Project" - for General Libraries Staff

- Western States Materials Conservation Project

- State Planning Session - Santa Fe

- Regional Conference - Salt Lake City

Nancy Pistorius - Consultant to the Art Library of the New Mexico
 Museum of Fine Arts.

- Panel - Creativity in the Visual Arts - General Libraries Staff

- Research and Publications in Library Science - General Libraries
 Staff

- Advisor to ARLIS/Arizona Chapter on reorganization

- Advisor to Chairman of ARLIS/NA and membership-at-large on the
 formation of new Special Interest Groups and Type of Library
 (TOL)

8. Non-teaching University service

James Wright - Masters Degree Review Committee, Department of
Recreation

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

Nancy Pistorius - General Library Exhibition Committee

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

9. Public service

James Wright - Greater Albuquerque Chamber of Commerce - Cultural
Committee

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

10. Personal information

None

FINE ARTS LIBRARY

Statistics

July 1, 1979 - June 30, 1980

MONTH	GATE COUNT	CIRCULATION	RESERVE	LISTENING CENTER
July	5,396	4,380	257	342
August	5,716	3,590	261	233
September	14,226	6,786	1,248	1,495
October	16,480	9,421	1,662	1,649
November	14,989	7,987	1,177	1,304
December	9,994	5,870	568	666
January	7,277	4,832	299	693
February	12,620	7,516	1,034	1,616
March	12,220	8,252	975	1,596
April	15,040	8,834	1,119	1,989
May	9,402	7,613	1,396	1,252
June	4,178	3,533	130	158
Total	127,538	78,614	10,126	12,993

THE ARCHIVE OF SOUTHWESTERN MUSIC

A POSITION PAPER

by
Jim Wright

January 18, 1980

APPENDIX I

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

PURPOSE

The Archive has three purposes:

1. PRESERVATION OF THE CULTURE OF THE SOUTHWEST

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

2. DISSEMINATION OF THE CULTURE OF THE SOUTHWEST.

The Southwest United States is a unique region with cultural aspects that cannot be found anywhere else. The culture can be defined and related to the indigenous people and to the land. Distinctive Southwest art, Southwest music, Southwest craft are not produced any other place. This uniqueness must be preserved, researched, and disseminated now, for it is all too evident that the Southwest will soon be inundated with people from all over the U.S. As this heterogenous settling occurs, the Southwest culture will be diluted, possibly to the extent of complete amalgamation and thus cultural loss. The Archive can help prevent this loss by preserving and, most importantly, by perpetuating the culture

through DISSEMINATION of the recorded culture to the young people, particularly those of immigrant families. A record of past performance practices makes it possible for performers of to-day to pass on and keep alive those old traditional playing and singing methods.

3. RESEARCH AND EDUCATIONAL USE.

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

WORK OF THE ARCHIVE

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

1. Charlemaud Curtis has prepared a preliminary index for the ASM, making easier the location of needed material.
2. Karl Von Huene, volunteer computer programmer, is preparing a program to enable the index to be computerized. Computer processing makes possible the publication of a C.O.M. index for nationwide distribution.
3. Steve Rhodes, Office of Public Information, is preparing a brochure descriptive of the work of the Archive.
4. The work of the White Cone Project (Navajo) is progressing and promises to bring to the ASM research material that will double the present holdings (1700 tapes of Navajo ceremonial music now housed at the Office of Navajo Economic Opportunity, Ft. Defiance, Arizona).

Jack Loeffler (ethnomusicologist from Santa Fe) is depositing 80 tapes of Mexican-American music to add to his collection of 80 tapes already indexed.

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6. Rowena Rivera is working with Edwin Berry of Belen to record his complete notebook of songs. She is also preparing a grant to enable her to translate the Mendoza manuscript on the classification of New Mexico folk songs.
7. The staff of the Archive is slowly but surely making progress with the Pueblo people. The workshop held for the participants in the Pueblo Indian Library and Cultural Centers Project has had several positive results.
8. Jim Wright presented an overview of the Archive of Southwestern Music to the UNM Board of Regents. Dr. Henry Jaramillo (President of the Board of Regents) stated that the University should strongly support this program.
9. Complete grant to N.E.H. (Special Projects) for funding of White Cone Project.
10. Prepare grant for printing of brochure (New Mexico Commission for the Arts).
11. Prepare grant for computer inputting of the index to the Archive.
12. Continue plans to name the Archive in honor of John Donald Robb.

RECOMMENDATIONS FOR THE FUTURE WORK OF THE ARCHIVE

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

176 it possible for the Archive to become a major Folk Archive in the United States and will permit the Archive to take a major role in the preservation and dissemination of the culture of the Southwest.

STEP ONE

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

STEP TWO

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

STEP THREE

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

STEP FOUR

1. Director becomes full-time
2. Begin program of publishing sound recordings and multimedia kits for school use
3. Begin investigation of possible use of visual formats for inclusion in collection

4. Begin work with local groups (throughout the AHA) to build archive of their own with the ASM acting as a depository

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CONCLUSION

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

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

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

Of most importance to us is that the culture of the Southwest must not be lost due to neglect or apathy but will remain a rich and viable expression of the heritage of this unique Land of Enchantment. I believe the program outlined will accomplish those goals and will provide a program of which the Library and the University can be proud.

ht

REPORT OF THE WHITE CONE PROJECT

Merlene DuBre and James Wright

July 1, 1979 - December 31, 1979

The second six months of the White Cone Project has been very productive. Nearly twenty hours of documentation has been collected, the Big Mountain Declaration of Independence being of particularly historical importance. The possibility of acquiring 1700 hours of recorded Navajo ceremonial music (now housed at the Office of Navajo Economic Opportunity) is nearing reality.

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

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

While reading the following account of the activities of the project, the relevance of relocation documentation to acquisition of Navajo ceremonial music recordings may seem unclear. However, their relationship is clear because we can see progress made in mutual trust and in acceptance of our work. The importance of trust has been stated repeatedly: this single element assures successful work. The Diné normally do not accept non-Indians because they have been so often lied to and "used." We believe we are on the correct path because of the blessings and support we have received by the people of the Navajo Nation.

July 28

We visited Northern Arizona University to meet with Dr. Bob Kemper, Director NAU Libraries, and William H. Mullane, Head of Special Collections. We were given a tour of the library and Special Collections.

Their southwest collection (particularly Southwest Indian) is excellent; we found much research material applicable to the project. This was a valuable research and contact trip. Dr. Kemper and Mr. Mullane were most cooperative and interested in the project.

August 4

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

August 31

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

September 7

We traveled to New Oraibi (Hopi Tribal office) to record a meeting between Hopi Tribal officials and residents of the Navajo Big Mountain area. Hopi chairman, Abbott Sekaquaptewa, conducted the meeting. The purpose was to reconcile the difference in opinion over land use and ownership of the former joint-land use area. This was an historic meeting and paved the way for future meetings. We collected three hours of recorded material. Mr. Sekaquaptewa was very suspicious about our presence (we were the only non-Indians there), but he was finally convinced that we were not news media. The media had been barred from attending.

September 29

Navajo Chairman, Peter MacDonald, was scheduled to talk to the people of the White Cone Chapter concerning the tribe's efforts toward settlement of relocation problems. Because he was not able to attend, we met with Dale Pete of White Cone. He told us that after having watched us closely for the last several months, he and the White Cone people were ready to work with us. This was a major development, for both we and our work had passed the tests of trust, concern and integrity.

October 17

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

October 19

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

October 28

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

November 11-20

Merlene went first to Window Rock. She recorded two hours of the history of the Joint-Land use legislation as told by Jerry Kammer, noted authority on legislation of the J.U.A. (author of the upcoming definitive book on this subject) and historian. Traveling to White Cone,

Merlene taped the two hour story of a relocatee now living in Flagstaff. She then went to Flagstaff to meet with and tape the meeting of the Navajo and Hopi Indian relocation commission of the U.S. Government. Executive Director, Leon Berger, was very supportive of our work. He offered all possible assistance and wrote us a letter of support. Because of this meeting, it will be possible to document all sides (Navajo, Hopi, U.S. Government) of this sensitive situation. She recorded four hours of the meeting and was given permission to copy all the commission tapes.

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

December 5-12

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

December 29

We were invited to participate in a Native American Church service at the home of Anderson Morgan, near Fort Courage, Arizona. The NAC service contains music in the form of Peyote Songs which will be of future importance for the Archive.

REPORT OF THE WHITE CONE PROJECT

James Wright and Merlene DuBre

January 1, 1980 - June 30, 1980

The most important event of the third report period was the receipt of a National Endowment for the Humanities (Special Projects) grant. The NEH funding (total grant is \$ 73,854.90) will begin July 1, 1980 and end June 30, 1981. We are extremely appreciative of the support given this project by the Administration of the General Libraries and the UNM Research Allocations Committee. Through this support it was possible to continue our research while obtaining funding from other sources. We thank you for your support.

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

Activities and trips

- January - Merlene and Jim attended a Native American Church, Peyote Ceremony at the invitation of Andrew Morgan. The Ceremony was held near Ft. Courage, AZ.
Preparation of NEH Grant Proposal
- February - Dean Vassallo invited us to talk with Dean Spolsky and Professor Emeritus Robert Young. They were concerned about our work and provided us with valuable information.
Merlene travelled to White Cone to attend a Chapter Meeting
NEH Grant Proposal submitted
- March - Merlene travelled to Winslow, AZ to attend a relocation meeting
- April - We presented a "Brown Bag Lunch" talk to the staff of the General Library. The presentation concerned the activities of the project.
- Merlene attended and recorded the Anti-nuclear and relocation meeting at Dalton Pass, NM.
- May - Taped interview with Jerry Kammer, author of the forthcoming book on the Joint Land Use Dispute.
- June - Received notification of approval of NEH Grant
Travelled to White Cone to make arrangements for future work
Met with John Wood, Professor of Anthropology at Northern Arizona University, to discuss his research pertinent to our project.

REPORT, GOVERNMENT PUBLICATIONS AND MAPS DEPARTMENT
OCTOBER 1, 1979-JUNE 30, 1980
Charles A. Seavey, Head

I. General Departmental Information

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

A. Significant Achievements

1. Government Publications

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

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

Adding cards to the shelflist giving location and call number of GPO material not housed in GPMD. (ie: Reference, Fine Arts, Parish, Tireman, the general stacks).

Creating card sets for vertical file material previously lacking records.

Accomplishing a partial inventory of cuttered (monographic) items during the shift (see below). Duplicate material is being reviewed for disposal. Card sets are being created for material lacking records.

Reconciliation of all records in the department: shelflist, check-in, and subject-title file.

Reshelving the main collection. On April 1, 1980 we started expanding the collection into Tower Level 5, from TL's 1 and 2. Material previously tucked into odd corners (notably Environmental Protection Agency, General Services Administration, and Department of Energy) were integrated into the main sequence. The move was mostly completed by June 30, although some tidying up remains. The 33% increase in shelf space will allow us to accommodate both normal expansion and government reorganization for at least three years.

In the matter of assuming regional responsibilities we have:

Instituted a state wide duplicates exchange system encompassing all other federal depositories in New Mexico. Currently we are sending exchange lists to around 12 out-of-state libraries as well as the in-state ones. This project has helped us dispose of a great deal of duplicate or unwanted material.

Started collection development activities (see below) to help us serve as a back-up government publications library for the state.

Started making statewide contacts through activity in the New Mexico Library Association's Government Documents Roundtable.

Reference Service has been enhanced by:

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

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

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

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

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

Collection Development

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

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

Microfiche Purchases:

Complete microfiche collection of all congressional hearings through 1969. This massive collection is unique within the state, and nearly so within the region.

Complete microfiche collection of all congressional committee prints through 1969.

All pre-1945 non-decennial census publications.

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

Hard copy acquisition involves more aggressive use of the government publications duplicates exchange network. We're working on identifying areas of weakness, and carefully combing offerings from other libraries.

With regards to nondepository state documents acquisition efforts include letters of request and phone calls. Thus far most requests have been courteously and promptly filled. Problems, however, arise when requesting older materials.

It is expected that next year's report on state publications will show great improvement in the organization, collection development and control of the collection.

3. Map Room

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

Collection Development

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

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

In order to make maps more accessible, and take some workload off the mapkeeper, we moved an empty 5 drawer map case to the front of the room and put current New Mexico mapping in it. We made this unit open to users, in contrast to the rest of the units, which remain closed access. As New Mexico topographic mapping is our highest use item this eased the workload somewhat.

In order to improve reference service we've spread the burden somewhat. Three govpubs staff members, received basic training in the map room. Two of them attended the map workshops (see personnel, below) and now work regularly scheduled hours in the map room.

B. Significant Plans and Recommendations

1. GovPubs.

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

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

Increase in the number of GovPubs available through the main card catalog.

Continuation of projects noted in section A.

Longer range goals involve increasing the staff at the LTA level, and adding an OCLC terminal to the department.

In addition we've re-joined the Documents Expediting Service of the Library of Congress (DocsEx), and will be using them to help fill in missing retrospective material.

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

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

2. New Mexico State Documents

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

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

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

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

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

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

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

Map Room

Two major projects are in store for the Map Room.

1. Improve the collection, specifically in the Latin American section. This is a glaring weakness in the map collection. Work is under way to obtain grant funding to work on rectifying the situation.
2. Catalog the collection. The map room represents the largest collection of maps in New Mexico. Recent developments in OCLC have made it both desirable and more feasible to catalog the collection. With the public libraries coming on-line, and the MARC map records now in the data base we are in a position to use OCLC to both catalog the maps and provide a service for New Mexico public libraries as well as the academic institutions.

C. Appointments to Staff

1. Teresa Marquez
Temporary Assistant Government Publications Librarian,
accepted the position on a permanent basis, September 10, 1979.
2. Heather Rex
CS III, October 24, 1979.
3. Jerome Nelson
Temporary CS II, April 1, 1980.

- D. Separations from Staff:
Jerome Nelson
Temporary CS II, June 30, 1980.

E. Promotion

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

II. Biographical Data

Charles A. Seavey
Publications.

"Exploration and Mapping of the Grand Canyon, 1859-1903"
Special Libraries Association, Geography and Map Division (SLA,
G & MD) Bulletin no. 119, March, 1980.

"Cities of the American West: an Index to the City Maps"
Western Association of Map Libraries Information Bulletin, vol. 11,
no. 2, March 1980.

"Government Publications for Geographic Education: a Brief
Introduction" co-author with Ada E. Kemp. Geographical Perspectives,
no. 44, fall, 1979.

Research

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

Professional Activities

Chairman, Cartographic Users Advisory Council, June, 1980—
 "Exploration and Mapping of Yellowstone National Park" paper
 presented at Annual Conference, Special Libraries Association,
 Geography and Map Division, Washington, D.C., June 1980.

Vice-chairman, Chairman Elect, New Mexico Library Association,
 Government Documents Roundtable, April, 1980—

Co-Founder, with David Cobb, University of Illinois, of the
 Map and Geography Roundtable, American Library Association, January,
 1980. Attended ALA midwinter meeting, Chicago, January, 1980.

Attended fall meeting, Western Association of Map Libraries,
 Tucson, AZ, October 25-26, 1979.

Other Professional Activities

Gave a workshop on maps for the staff of the New Mexico State
 Library, Santa Fe, March, 1980.

Spoke on "Government Mapping of the West" to the Torrance
 County Historical Society, March, 1980.

Informal talk on "Acquisition of Government Maps" for the
 New Mexico Library Association Government Documents Roundtable,
 September, 1979.

Maria Teresa Márquez

Professional Activities

Elected vice-president of Greater Albuquerque Library
 Association.

Presented a paper "Federal Government Statistical Sources on
 Hispanic-Americans" in the Seminar on Latin American Library
 Materials Conference held in Albuquerque in June 1980.

Memberships

American Library Association
 Map and Geography Roundtable
 New Mexico Library Association

Works in Progress

"Federal Government Statistical Sources on Hispanic-Americans"
 to be submitted for publication.

"Federal Government Publications for the Map Room" to be sub-
 mitted for publication.

The Report of the William J. Parish Memorial Library
Readers' Services Division, General Library
July 1, 1979 - June 30, 1980
Judith Bernstein, Head

I. General Departmental Information

Personnel

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

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

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

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

Christina Ross, permanent full-time CS IV resigned on January 11, to take a half-time LTA II position in Zimmerman. On January 21, Richard Inge was appointed to the CS IV position.

Christina Ross was rehired as a temporary part-time LTA II to serve from March 3 - June 30.

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

Collection Development

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

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

The examination of titles indexed in the Business Periodicals Index (BPI) for possible purchase by Parish was finally completed. All appropriate titles housed in Zimmerman were transferred to Parish and their funding agencies corrected to reflect this change in location and agency.

A number of additional titles were ordered for Parish which had been evaluated favorably by ASM faculty and several titles previously cancelled were reinstated. Three or four titles are still being considered for purchase when funds become available. In addition to hard copy, microfilm was ordered for those titles which need to be retained and back orders of microfilm were placed to complete runs. A list has been produced of all periodicals indexed in BPI and library holdings are indicated. Of 280 titles indexed in BPI, 124 are now held by Parish, 69 by Zimmerman, 12 by Health Sciences, Law and Fine Arts Libraries. A small number of the total periodicals indexed in BPI were considered inappropriate for purchase.

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

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

Streamlining the collection to reflect a clear business/management orientation has also been a long standing project. In 1978-79 it became possible to order materials for Parish, title by title rather than having the entire HD-HJ classification here. In July and August of 1980, the HE classification dealing with communication and transportation was examined title by title and all serials and monographs which are not central to the ASM curriculum were transferred to Zimmerman. The work of

examining the collection title by title and transferring materials to Zimmerman, which more appropriately belong there, was renewed in January with the appointment of the permanent librarian. Monographic materials in agricultural economics, land tenure, land reform, housing, slave labor and historical works are being examined for transfer to Zimmerman. The transfer of materials on business education, vocational guidance and economic geography has already been completed. The task of examining and transferring monographic material in this area as well as serials still remains to be completed in the coming year. The weeding of older, obsolete materials as well as unneeded duplicates was also begun this year. The review process included pulling cards, boxing transfers, processing proposed withdrawals and working with technical services to effectuate an orderly transfer and withdrawal process. The removal of some 4,000 titles this year was made feasible by the appointment of the temporary part-time LTA II whose appointment until June 30 was extended to December 1980.

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

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

Service

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

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

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

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

The Journal Display Area was again expanded to include transferred,

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

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

Space

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

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

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

Future

The level of demand for business/management courses has been

increasing for several years and there is every indication that such demand locally and nationwide will continue. In 1977, 1,131 undergraduate students registered as majors in business; in 1979, that number increased to 1,433. The same is true of the graduate program with 319 students in 1977 and 351 in 1979. In 1977, 9,472 credit hours were taken in business courses; in 1979 that number increased to 11,323. If the project to expand the ASM facility takes place as planned, the graduate program will be permitted to expand in response to the increased demand. ASM is considered nationwide to be one of the finer small management schools. Parish has a responsibility to support that school and to expand its services with the expansion of need and demand. A good beginning has been made in removing part of the collection that "grew" in Parish and clearly belonged elsewhere. Materials that are housed in Zimmerman are being transferred to Parish when they clearly belong there. Within a year or two, the Parish collection should more accurately reflect a current awareness collection based on the core ASM curriculum. In the long run, more space will be needed for a growing collection and some thought needs to be given to the relationship of the collections in economics and in business/management which logically should be housed together.

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

Reference service, seminars and orientations, and on-line searching need to be developed and carried out in an in-depth fashion. One

librarian who also administers the unit and is doing collection development does not have the time to adequately perform all these functions. Training work-study students on a continuing basis to provide at least ready reference service is a stop gap measure at best. The consultant report points out "patrons are not receiving full library service when a non-professional attempts to solve professional level problems". A permanent half-time reference librarian, at the least, will be required if all service functions are to be performed on a higher than minimal level.

II. Composite of information requested on individual biographical supplements

1. Advanced study

Judith Bernstein - Certified - New Mexico State Teachers License

Social Studies and Librarianship K-12

- 2 credits continuing education - University of Denver, multi-cultural education

- 2 credits - UNM continuing education - Real Estate Appraisal

- TVI - continuing education - Real Estate practice

- Lockheed Dialog Workshop Update - March 4 and 5 - Lockheed on-line services

- Lockheed Dialog Workshop - basic business bases - June 27

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

None

3. New scholastic honors, fellowships, etc.

None

4. Publications

None

5. Other research projects or creative work in progress

Judith Bernstein - Editor of Turn-key Automated Circulation Systems;

Aids to Libraries in the Market Place. To be published by American Library Association, August 1980

6. Activities in learned and professional societies

Judith Bernstein - Attended ALA Mid-winter meeting, January 19-25,

Chaired four meetings on automated circulation systems

- Attended ALA Annual meeting, June 28 - July 3, Chaired three meetings on automated circulation systems

- Chairperson, LAMA/CSS Circulation Systems Evaluation Committee

7. Other Professional activities

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

8. Non-teaching University service

None

9. Public service

Judith Bernstein - Cactus and Succulent Society of Albuquerque - Secretary

- Bnai Brith Women's Organization - Vice President for Programming

- Bnai Brith Youth Organization - Executive Board, Adult Advisors

PARISH LIBRARY STATISTICS 1979/80

	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Totals
Total Charges	1090	753	1462	1803	1995	1001	819	1395	1866	1672	830	590	15,285
Books	1032	729	1386	1704	1799	926	786	1318	1797	1562	769	566	14,374
Student	619	411	1092	1289	1456	640	496	1011	1534	1269	543	294	10,654
Faculty	108	106	65	102	128	170	67	47	55	40	68	73	1,029
Other	305	212	229	313	215	116	223	260	208	253	158	199	2,691
Serials	58	24	76	99	196	75	24	77	69	110	61	24	893
Discharges	972	941	500	918	1214	2665	681	602	901	1487	2122	472	13,475
Reserve	334	100	655	886	498	504	215	845	947	732	409	171	6,296
Other	56	50	33	47	32	26	19	48	41	42	95	86	575
Circulation Total	2452	1844	2650	3654	3739	4196	1725	2890	3755	3933	3456	1319	35,613
Gate Count	8665	8665	14,326	19,016	17,864	13,418	7736	17,263	15,880	21,583	12,975	5560	162,951

The Report of the Serials Department
Technical Services Division - General Library
July 1, 1979 - June 30, 1980
Benita Weber, Serials Librarian

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I. General Departmental Information

A. Significant achievements and narrative of events

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

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

281 as the beginning of the corporate entry (except New Mexico), but these sheets have been held in the Serials Department due to other priorities on selectors' time.

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

The statistics for the project to date are as follows:

CSR sheets sent to selectors:

Live: 6,415	Inactive: 3,682	Total: 10,097
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For live titles: 3,369 SUBS continued = \$203,245

473 SUBS cancelled = \$ 25,129

673 STOS continued = \$ 25,395

108 STOS cancelled = \$ 6,175

Total for continued titles = \$228,640

Total for cancelled titles = \$ 31,304

12% cancellation rate overall

210 CSO sheets sent out

98 returned

9 cancellations

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

On July 1, 1979 Pat Jennings joined the Department as Assistant

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

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

The exchange program, despite its relegation to a low-ranking priority for the section, did show progress. Records on continuing exchanges were updated, and New Mexico Studies on the Fine Arts was added to the list of exchange titles we offer other libraries.

Serials Cataloging experienced the heaviest turnover in personnel last year. In August, Diane Stine began in her position as Serials Cataloger, coming to us from the Center for Research Libraries in Chicago. Also in August, Anita Allen, Visiting Lecturer, was transferred to Serials Cataloging from the UNM Medical Library for the remainder of the year. Finally, Anne Watkins, team leader for over two years, resigned effective April 30, 1980. Anne's position was transferred to the Bibliographic Control Department with the promise that the vacancy would be met with additional staffing for Serials Cataloging or a transfer of certain portions of the work load to Bibliographic Control. As a result of many other turnovers, only two members of the Serials Cataloging team employed in July, 1979 were still here as of June, 1980.

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

Other miscellaneous information

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

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

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

B. Plans and recommendations for the future

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

Since it is anticipated that the serials expenditures and encumbrances will approach \$650,000 in the next fiscal year, it will be imperative to keep accurate statistics and generate excellent budgetary reports on these expenditures. Alternative methods of generating these reports must be explored. We must also find a way to reduce the invalid

245 encumbrances in the standing orders agency to a more valid figure. As serials comprise a larger and larger volume and dollar amount of our commitments, we must think about adding one or two more permanent staff to the Serials Acquisitions staff. Again, as I mentioned in this section last year, we need to pursue the possibility of implementing a different automated acquisitions system. This decision will most likely be dictated by the Library's choice of an automated circulation system within the next several months.

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

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

C. Appointments to staff

Shirley Wozniak	Temporary, part-time	July 2, 1979
Forrest Blech	Temporary, full-time	July 2, 1979
Alice Loner	Temporary, full-time	July 2, 1979
Melissa Carlisle	Temporary, full-time	July 2, 1979
Sherrie Brockett	Temporary, full-time	July 9, 1979
Patricia Jennings	Permanent, Faculty	July 16, 1979 ~
Anita Allen	Temporary, Visiting Lecturer	August 3, 1979
Susan Haddaway	Permanent, full-time	August 8, 1979
Diane Stine	Permanent, Faculty	August 22, 1979
Forrest Blech	Permanent, full-time (status change)	August 27, 1979
Anthony Francis	Temporary, full-time	September 4, 1979
Mark Higgins	Temporary, full-time	September 24, 1979
Shirley Wozniak	Permanent, part-time (status change)	October 8, 1979

C. Appointments to staff - continued

Anne Sutherland	Permanent, full-time	October 22, 1979
Patricia Seavey	Temporary, full-time	October 29, 1979
Matilde Farren	Temporary, part-time	October 29, 1979
Jeanette Ortiz	Permanent, full-time (reclass-promotion)	January 2, 1980
Susan Haddaway	Permanent, full-time (promotion)	January 16, 1980
Anthony Francis	Permanent, full-time (status change)	January 21, 1980
Patricia Seavey	Permanent, full-time (promotion-status change)	February 6, 1980
Sue Butcher	Temporary, full-time	February 11, 1980
Illene Renfro	Temporary, full-time (promotion-status change)	May 19, 1980
Sue Butcher	Permanent, full-time (status change)	June 2, 1980
Luz Van Coevering	Permanent, part-time	June 9, 1980
Patricia Seavey	Permanent, part-time (promotion)	June 23, 1980
Henry Guenther	Permanent, full-time (transitioned from CETA)	June 23, 1980

D. Terminations and transfers

Alice Loner	Temporary, full-time	August 8, 1979
Annabelle Maestas	Permanent, full-time	August 17, 1979
Twyla Reinig	Permanent, part-time	September 14, 1979
Heidi Carrasco	Permanent, full-time (transfer to Reference)	October 15, 1979
Jean Fish	Permanent, full-time	January 2, 1980
Ronald Smith	Permanent, full-time	January 18, 1980
Matilde Farren	Temporary, part-time	February 5, 1980
Anita Allen	Temporary, full-time (transfer to Assistant Dean)	February 28, 1980
Sherrie Brockett	Temporary, full-time	March 14, 1980

207D. Terminations and transfers - continued

Anne Watkins	Permanent, full-time (faculty resignation)	April 30, 1980
Diana Jacobs	Permanent, full-time	June 3, 1980
Mark Higgins	Temporary, full-time	June 6, 1980
Anne Sutherland	Permanent, full-time (transfer to Circulation)	June 30, 1980
Melissa Carlisle	Temporary, full-time	June 30, 1980

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

1. Advanced study
None
2. Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc.
None
3. New scholastic honors
None
4. Publications
None
5. Other research projects or creative work in progress
Diane Stine - Continued work on article about cataloging microforms
using AACR II
Benita Weber -- Continued work on Preservation book with Neosha
Mackey, co-editor
6. Activities in learned and professional societies
Pat Jennings - Attended meeting of SLA Rio Grande Chapter, September
Anne Watkins - Attended ALA Conference January and June
- Attended AACR II Workshop, June
- Attended NMLA Conference, March
- Served as member of NMLA Library Development Committee

6. Activities - continued

Benita Weber - Attended ALA Conference January and June

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

7. Other professional activities

None

8. Non-teaching University service

Pat Jennings - Future of Bibliographic Records Committee

- Reference Librarian (Physical Sciences) Search Committee

Diane Stine - Library Faculty Council

- Library Research and Publications Committee
- Volunteer math tutor in Skills Center

Anne Watkins - Ibero-American Cataloger Search Committee

- Future of Bibliographic Records Committee

Benita Weber - Coordinator of Skills Center

- Assistant Dean for Collection Development Search Committee
- Research Allocations Committee
- Continuing Education Committee
- Policy on Withdrawal of Library Materials Committee

9. Public service

Anne Watkins - Secretary, Corrales Historical Society

- Board of Directors, Ocha Cooperative

Serials Department
Statistical Summary
July 1, 1979 - June 30, 1980

TITLES ON THE CHECKLIST RECORD

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

MICROFORMS ADDED

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

CLAIMS	1,232
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SERIALS LIST TRANSACTIONS	14,676
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SERIALS ACQUISITIONS STATISTICS

New Orders placed:	
Subscriptions	370
Standing Orders	256
Pre-Pays	5
Purchases (including back orders)	568

Cancellations	415
Number of Invoices Paid	2,094
Exchanges set up	32

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

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

TOTAL - \$584,953

Report of the Special Collections Department

July 1, 1979-June 30, 1980

Donald Farren, Head

I. General Departmental Information.

A. Significant Achievements During the Academic Year.

Direct Service to Readers.

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

Education, Outreach, and Publicity

The usual constant round of reference interviews, tours, presentations, and orientations was pursued in order that the Department's services and resources be interpreted to individuals, class groups, ad hoc groups, and special interest groups like, for example, New Mexico genealogists and the Pueblo Indian Library Project. Clientele were drawn from both the University community and beyond. For instance, use of our land grant records by citizens of Tomé continued well into this academic year. The duration of each of these activities

varied from between a half-hour or so to a week or so. The usual letters were sent to a wide spectrum of teaching faculty offering to provide to their classes presentations of the Department's services and resources. Response continued to be enthusiastic. There is, however, some indication that the quantity of response to these form letters of invitation has peaked and that further expansion of this program will have to come through individual personal contact with teaching faculty.

Several cooperative projects were conducted with the Albuquerque Museum:

Production and evaluation of a computer-produced index to photographic resources.

Support of a wide range of activities conducted by the museum in celebration of the Albuquerque railroad centennial.

Loans of materials for exhibit in the Museum.

Provision of materials to be facsimiled and published by the Museum.

Compilation by a staff member of a bibliography on Albuquerque to be published by the Museum.

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

Brazil Week

Japan Week in Albuquerque

Media Day

Meeting of the Seminar on the Acquisition of Latin American Library

Materials

Meeting of the South Central Society for Eighteenth-Century Studies

Mexico Week

Millionth Book Celebration

UNM Japanese Week

The experience of carrying out these responsibilities for special assignments suggests that in assessing the priorities of the Department these special assignments should be considered part of its normal workload.

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

English and American accounts of Brazil (for Brazil Week).

Eighteenth-Century New Mexico; and Aeronautica from the Air Force Academy (for the meeting of SCSECS).

Recent acquisitions of Japanese Books (for UNM Japanese Week).

"Mexico: With the Eyes of Strangers" (for Mexico Week and the meeting of SALAM).

Books about Japan and Japanese culture in the collections (for Japan Week in Albuquerque).

Early Hispanic New Mexicana (for the meeting of SALAM).

The Collections

Collection Deployment. Because of space requirements (that is, lack of space) and for the better security of the collections, considerable shifting of materials had to be done during the year--some of the Anderson Room, most of the Bell Room, and all of the Coronado Room. The by-product obtained from these shifts was a more effective deployment of materials. For example, into the North Alcove of the Coronado Room were moved the multi-volume photostatic archival collections and the collections of printed records and guides associated with them. A staff member reported that "a reader remarked that he was exposed to material he had not seen before on earlier visits to Special Collections. The material he referred to is not new, merely easier to locate."

Accepted as Library Policy was the concept of having a restricted circulation (XX) category of materials to be serviced by the Circulation Department from a location outside Special Collections. This policy, aside from making certain materials more conveniently accessible, will relieve space problems in the Bell Room once materials appropriate for restricted circulation can be identified. Screening of the general stacks for rare materials continued, but much less of this had to be done this year because much of this screening was accomplished last year. Individual items and groups of material will of course continue to be identified as appropriate to be considered for transfer to Special Collections.

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

Brazil

Eighteenth-Century English Novels

Fine Printing

History of Books and Printing

Henry James

D.H. Lawrence

Mexico

Quakerism

Mormonism

Edwin Arlington Robinson

and many fields of Western Americana.

Continued analysis of Mexican holdings has led to a realization of the richness of these resources in the Library, and a grant proposal for a program to organize and otherwise provide access to these materials was developed by the Ibero-American Librarian partly in coordination with Special Collections personnel.

Collection Development. The vendor of the New Mexico Approval Plan achieved limited success in carrying out the plan and asked to be relieved of responsibility for it, which was done. Subsequently, some standing orders were reinstated. The Acquisitions Department, using information garnered from various sources, much of it of course emanating from this department, vigorously pursued, on a title-by-title basis, the new publications of New Mexicana that were meant to be covered by the approval plan. The Acquisitions Department achieved commendable success in this area. A system was devised by which all selectors are alerted to new items of New Mexicana, allowing us to more efficiently compute numbers of copies required on a Library-wide basis.

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

Nineteenth- and early twentieth-century maps of New Mexico.

Contemporaneous editions of the principal eighteenth-century English novelists.

British and American travelers to nineteenth-century Brazil and Mexico.

Works of Henry James published in his lifetime.

Works of Edwin Arlington Robinson published during his life time.

The Texas-Santa Fe Expedition of 1841; the Snively-Warfield Expedition of 1843; Texas land claims in New Mexico; and the Mexican War.

American fine printing of Western Americana; Merle Armitage; and a laboratory collection for the history of printing.

Landmarks of early Western fiction.

Mormonism in the Four Corners region and elsewhere in New Mexico.

Spud Johnson and The Laughing Horse Press.

Core desiderata of New Mexicana, and other Western Americana; major rarities of Western Americana available on the market; iconography of the early

West: separately published prints and photographic documentation.

Library resources were greatly enriched in those fields, and many significant and remarkable items were acquired. (A separate report covers these acquisitions in more detail.) This program had to be accomplished in a relatively short period of time, which created some congestion of workload, but fortunately, by dint of concentrated efforts within the Department and the enthusiastic cooperation of other units of the Library, a tight control of fiscal and bibliographic information was maintained, and the program was successfully accomplished.

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

Ortiz y Pino family history

Albuquerque-Bernalillo County Council of Older Persons

Writers at Work, video tapes

Judson Crews, literary journals

Archie Bahm, philosophical off-prints and printed editions

Mabel Dodge Luhan, letters

Albuquerque history

D.H. Lawrence, museum objects and printed editions

Women in New Mexico, additional groups of material

Cofradías of Jalisco, Mexico, microfilmed archival manuscripts

Manuel Lujan Papers, additions

Bainbridge Bunting measured drawings of historical buildings

New Mexico State Poetry Society, printed editions

Beula Fleming architectural documents

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

Processing and Bibliographic Control

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

Facilities and Equipment

High temperatures experienced in the reading rooms during the summer have to be tolerated at the cost of the working effectiveness of readers and staff, and it has long been perceived that most of the physical space available to the Department does not provide conditions appropriate to the conservation of rare books and manuscripts because of the lack of humidity and temperature controls. It is now perceived that the physical space available to the Department is either inadequate in size or inefficiently utilized or both and that a major restudying of this problem and restructuring of the space should have high priority. Three factors contribute to a sense of the imperative of finding solutions to these problems:

1. For most of the Department we are in violation of requirements to provide access to the physically handicapped. Therefore, if asked, we would have to set up elaborate stop-gap procedures for paging materials to areas that are accessible to the physically handicapped.

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

3. Anderson Room shelving is full.

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

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

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

The need and advantages of having within the Department some facilities for providing high-quality photo-reproductions.

Staff

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

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

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

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

B. Significant Plans and Recommendations for the Near Future.

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

Collections materials can be created within the context of the general needs of the Library system.

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

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

4. Assure that adequate hours of service are provided.

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

C. Appointments to and Separations from Staff

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

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

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

II. Biographical Information.

1. Advanced Study.

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

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

Donald Farren: research leave in New York City, July-August 1979.

3. Publications.

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

4. Other Research Projects and Creative Works in Progress.

Donald Farren: doctoral dissertation, "Publishing by Subscription in Early America."

Judy Pence: a subject bibliography of New Mexico theses and dissertations.

5. Activities in Learned and Professional Societies.

Donald Farren: presented a paper in the session on publishing history of the meeting of the South Central Society for Eighteenth-Century Studies, Albuquerque; commented on the session on "Great Bibliographers" of the Library History Seminar, Austin; nominated to run for the office of Member-at-Large, Rare Books and Manuscripts Division, Association of College and Research Libraries;

Judy Pence: completed term as President of the Greater Albuquerque Library Association; attended the American Library Association Mid-winter meeting as member of RASD, History Section, Local History Committee; attended SALALM Mid-winter as Raporteur; Co-chairperson of SALALM XXV Exhibits Committee; attended SALALM XXV;

6. Non-teaching University Service.

Donald Farren: elected to the Library Faculty Council (service deferred to the end of half-time contract); local arrangements committee for the meeting in Albuquerque of the South Central Society for Eighteenth-Century Studies; local

arrangements committee for the meetings in Albuquerque of the Seminar on Acquisitions of Latin American Library Materials; search committee for Ibero-American cataloguing position.

Judy Pence: Chairperson of Assistant Ethnic Studies Search Committee; Chairperson of Professional Enrichments awards Committee; appointed Linguistics/Classics selector; member of Gifts Policy Committee.

July, 1979-June, 1980

Special Collections Annual Statistics

<u>Anderson Room</u>	<u>Additions</u>	<u>Totals</u>
Books & Serials	725	6,799
Pamphlets	20	998
<u>Bell Room</u>		
Books (total)	855	10,171
<u>Coronado Room</u>		
Books and Serials	528	7,692
Microfilms	44	1,519
<u>Archives</u>		
Collections	11	349
<u>Theses & Dissertations</u>	215	7,495
Anderson book Circulation		4,064
Coronado patron count		5,709
Telephone References		407
Mail References		88
Number of Tours		23
(No. of People in Tours)		355

Office of Graduate Studies

Annual Report

July 1, 1979 - June 30, 1980

Bernard Spolsky, Dean of Graduate Studies

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The Report of the Office of Graduate Studies

July 1, 1979 - June 30, 1980

Bernard Spolsky, Dean of Graduate Studies

A. Significant Developments.

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

2. As the enclosed tables compiled by the Office of Graduate Studies show, the past year was marked by a significant increase in the number of students applying for admission to graduate programs; contrary however to the trend of recent years, either the students are considerably better qualified or else some departments have lowered the standards they apply in making offers of admission. It is to be hoped that departmental and college graduate committees will make sure that in the desire to maintain numbers, standards are not being unduly compromised. In spite of the increased number of students admitted, enrollment as a whole remains stable. The number of master's degrees continues to climb, 797

in the past year being the highest ever. The award of 124 doctoral degrees is also an increase over last year, but not a return to the peak of 1974. Given this continued high production of doctorates at a time when there seems to be increasing difficulties in employment, it will be necessary to look very soon at the rate of success in placing these graduates. The number of graduate and teaching assistantships remains stable and there has been some increase in the number of research and project assistantships. As far as we can tell, there has been a considerable decline in money available for graduate student fellowships and grants; however, because the Office of Graduate Studies is not necessarily apprised of the existence of such fellowships, our figures may not be accurate. From the figures we have, there appears to have been a decline in the number of underrepresented minorities and women in graduate programs: Hispanics dropped from 15.8 to 14.8 percent of the total and women from 48.8 to 47.5 percent. This presumably is also related to the continuing low percentage of these students who receive assistantships or other financial aid.

3. During the past year, the University was awarded ten additional fellowships for minority graduate students under Title IX of the Higher Education Act and received an institutional grant to support recruitment activities. However, we, together with most major western universities, were shocked to learn that for the coming year we are to receive no new fellowships. While we are in distinguished company in this, it is a sign of the unfortunate political situation affecting these programs that the review process turned out in this case to be so biased. A second major blow to graduate minority recruitment was the fact that the University

did not submit a proposal for fellowships funds from the Danforth Foundation. In spite of these disheartening developments, it is encouraging that the administration agreed to a fulltime appointment in the Office of Graduate Studies of an Assistant to the Dean responsible primarily for recruitment and retention of students from underrepresented groups. Activities in this area started about ten years ago, when the Graduate Committee set up a Committee on Minority Student Recruitment. After some years, the task became part of the work of one of the Associate Deans and finally was taken over by the Coordinator of the Graduate & Professional Opportunities Program working on external funds. The decision by the President to establish a fulltime position on regular funds is perhaps overdue but certainly a major step and an opportunity to start working on an area of vital significance to the health of the University.

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

addition, it handled its normal range of business.

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

Associate Dean David T. Benedetti was Acting Dean during the first semester. He represented the University at the Annual Meeting of the Council of Graduate Schools in the U.S., December 4-7, 1979, held at Orlando, Florida; at the Annual Meeting of the Western Association of Graduate Schools, March 2-4, 1980, held in Seattle, Washington; and at a meeting of the Council of Graduate Deans of New Mexico State Universities, May 8, 1980, held at Portales, New Mexico. He served on six University Committees: Senate Graduate Committee, Arts & Sciences Grad-

uate Committee, College of Engineering Graduate Committee, Academic Calendar Advisory Committee, ad hoc Committee on Drop-Add Policy, Early and Mandatory Retirement Steering Committee; and he served on the Graduate Admissions, Clinical, Faculty Evaluation, and Minorities Committees of the Psychology Department.

Associate Dean A. Charlene McDermott was on sabbatical leave at the University of California-Berkeley during the second semester where she was Visiting Professor of Philosophy from March-June, 1980. She authored a book A Translation and Philosophical Interpretation of Boethius of Dacia's Treatise on the Modes of Signifying published by J. Benjamins, Amsterdam, June, 1980, (265 pages), and also wrote a review of "Language in Indian Philosophy and Religion" by H. Coward, published in the Journal of Asian Studies, May, 1980. Her Reader on Comparative Philosophy has been submitted to the University of Hawaii Press and she is currently doing a translation of logical writings of Richard Campsall for publication. She served on the Executive Committees of APA and WCAAS and as Liaison Officer for SACP, Pacific Division. She gave six lectures, five during her months in California and one at the Theatre Arts Department at UNM. She served on various committees and task forces related to her work as Associate Dean of Graduate Studies, e.g. Danforth Committee, Public Advisory Search Committee, etc.

B. Plans and Recommendations.

As the Dean has submitted his resignation from the faculty of the University of New Mexico as of August 15, 1980, in order to take a Professorship at Bar-Ilan University, Israel, it is not appropriate to

list plans: recommendations may however be in place and they are perhaps better made in the first person.

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

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

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

required in good dissertation directing. I hope it will be wisely used.

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

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

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

in fact, lead to increased faculty authority and responsibility. Continued efforts will be needed.

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

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

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

9. Graduate and professional education. Looking back on some of the things I have written and said over the past six years, I now suspect

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

10. Women administrators. During my six years as dean, I have had opportunities to make five appointments as Associate Dean and three as Director of Centers for Graduate Studies. That six of these appointments have been women is evidence not just of the high administrative qualities shown by senior faculty members who are women but also to the consideration shown by other deans and senior administrators in not competing with me in the regrettably still limited pool.

A final note. The University of New Mexico is a great university to teach at: with a responsible and active faculty and strong academic leadership, it can be a great university.

C. Appointments to staff:

Bobbe Wilson, CS II, 9/10/79

Jasandra Judd, CS II, 10/17/79

Lilita Meirans, CS II, 3/5/80

Eleanor Jane Brill, CS IV, 3/31/80

D. Promotion of staff:

Jewell E. Whitlow, CS II to CS IV, 7/1/79

E. Separations from staff:

Bobbe Wilson, CS II, 10/5/79

Jasandra Judd, CS II, 2/29/80

Carl Hanson, CS IV, 3/28/80

Office of Graduate Studies
Annual Report
July 1, 1979 - June 30, 1980

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Table 1. Applications and Admissions

	1975-76	1976-77	1977-78	1978-79	1979-80	Percentage Change from 1977-78--1978-79	Percentage Change from 1978-79--1979-80
Total Applications Distributed by Mail	9,836	8,778	8,197	6,512	6,121	-20.5%	- 6.01%
New Applications Received	3,131	2,887	3,261	2,497	3,150	-23.4%	26.15%
New Admissions Offered	2,133	2,155	1,853	1,460	2,113	-21.2%	44.72%
Accepted and Enrolled	1,575	1,389	1,212	1,066	1,323	-12.1%	24.11%
Declined, No Response	410	395	301	135	384	-55.1%	184.40%
Accepted but No Show	146	370	340	259	406	-23.8%	56.75%
Percentage of New Applicants Offered Admission	68.1%	74.6%	56.8%	58.4%	67.1%		
Percentage of New Admissions Offered Who Accepted and Enrolled	64.5%	73.8%	64.4%	73.0%	62.6%		

Table 2. Applications and Offers of Admission for Fall Semesters, 1978-79

<u>Graduate Unit</u>	<u>Completed Applications Fall, 1979</u>	<u>Completed Applications Fall, 1978</u>	<u>Percentage of Offers of Admission Fall, 1979</u>	<u>Percentage of Offers of Admission Fall, 1978</u>
<u>Architecture & Planning</u>	72	74	67%	59%
<u>Arts & Sciences</u>				
American Studies	7	11	57%	64%
Anthropology	61	117	64%	20%
Biology	50	70	56%	38%
Chemistry	25	40	92%	57%
Communicative Disorders	20	50	100%	58%
Comparative Literature	1	3	100%	33%
Economics	26	11	85%	27%
English	31	64	77%	62%
Geography	4	4	100%	75%
Geology	71	90	58%	50%
History	29	28	90%	57%
Ibero-American Studies	2	2	100%	50%
Latin American Studies	7	9	86%	33%
Linguistics	4	7	100%	42%
Mathematics & Statistics	24	32	92%	69%
Modern & Classical Languages	11	31	100%	97%
Philosophy	18	9	100%	100%
Physics & Astronomy	37	28	84%	71%
Political Science	14	21	93%	38%
Psychology	145	184	17%	17%
Sociology	10	10	90%	40%
Speech Communication	12	25	75%	72%
<u>Anderson School of Management**</u>	219	162	53%	87%
<u>College of Education</u>				
Art Education	7	12	100%	83%
Educational Administration	29	13	52%	62%
Educational Foundations	18	14	83%	43%
Elementary Education	47	68	91%	88%
Guidance & Counseling	55	67	28%	21%

Table 2. Applications and Offers of Admission for Fall Semesters, 1977-78. (continued)

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

 ** Figures provided by Anderson School of Management

Table 3. Graduate Student EnrollmentFall Semester, 1969-70 to 1979-80

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

Table 4. Masters Level Enrollment

Colleges, Schools, Division	1979-80			1975-76			1976-77			1977-78			1978-79	
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
<u>School of Arch & Plan</u>	88	75	13	99	99	15	94	90	24	91	82	12	84	83
<u>College of Arts and Sciences</u>														
Anthropology	56	52	5	44	51	7	69	71	9	72	71	9	61	50
Biology	52	50	14	72	66	23	75	75	20	69	66	20	61	57
Chemistry	49	45	16	38	36	13	51	45	19	44	40	15	43	41
Communicative Dis	41	40	27	41	43	28	49	46	30	47	28	26	49	39
Comparative Lit	2	2	2	9	11	4	10	11	4	7	6	--	5	8
Economics	34	32	13	41	41	17	37	33	8	27	26	11	25	29
English	53	42	15	74	50	13	48	43	18	46	42	16	49	53
Geography	14	12	3	15	15	6	13	14	3	10	12	2	13	12
Geology	59	57	7	48	46	7	55	53	6	52	53	5	62	53
History	49	47	19	37	34	12	35	28	13	38	44	14	46	41
Language Sciences	--	--	--	--	--	--	6	5	2	17	14	6	12	6
Latin American Stu	8	9	3	16	14	2	16	15	5	7	7	4	12	8
Mathematics & Stat	38	35	13	43	28	9	27	24	6	24	22	7	27	30
Modern Languages														
French	9	11	2	13	11	1	13	10	5	8	11	4	9	8
Portuguese	--	--	--	2	--	--	1	1	--	1	--	--	0	1
Spanish	25	18	9	34	26	14	33	31	15	32	29	11	28	23
Philosophy	22	20	2	39	34	10	33	32	7	26	24	2	23	21
Physics & Astron	30	28	5	21	18	7	28	27	4	25	24	6	24	24
Political Science	11	11	6	16	14	7	15	10	7	13	13	3	15	12
Psychology	36	36	13	14	37	13	43	37	8	44	35	5	42	38
Sociology	18	15	7	16	17	4	20	15	1	16	16	5	11	13
Speech Comm	36	21	13	34	35	17	34	33	16	29	35	17	40	31
<u>Anderson Graduate School of Management</u>	366	385	165	238	234	105	242	262	148	294	319	147	363	311

Table 4. Masters Level Enrollment (continued)

Colleges, Schools, Division	1979-80			1975-76			1976-77			1977-78			1978-79	
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
<u>College of Education</u>														
Art Education	39	35	19	35	35	25	36	46	26	43	39	23	34	37
Ed'l Administration	61	70	55	78	93	78	87	77	81	89	73	69	78	71
Ed'l Foundations	40	49	27	33	40	17	33	40	24	41	36	19	31	26
Elementary Education	253	222	285	218	213	263	263	247	284	281	242	287	252	252
Guidance & Counseling	104	112	65	127	117	85	110	104	70	111	100	66	99	97
Hlth, Phys Educ & Rec	106	88	84	69	69	47	86	100	80	107	102	68	126	108
Home Economics	15	24	11	--	--	--	--	--	--	--	--	--	14	13
Sec & Adult Tchr Ed	160	157	152	215	202	183	199	184	197	197	190	151	192	163
Special Education	166	185	173	150	158	108	183	188	153	202	185	163	169	165
<u>College of Engineering</u>														
Chemical Engr	31	34	6	7	9	4	11	10	4	13	16	4	18	21
Civil Engr	35	40	12	42	40	7	43	42	12	45	46	13	32	41
Computer Science	40	52	10	32	30	16	37	36	16	33	33	12	48	44
Elec & Computer Engr	110	123	28	104	102	31	96	107	40	113	93	31	87	87
Mechanical Engr	44	46	9	24	22	7	25	24	11	29	26	8	35	35
Nuclear Engr	5	28	4	30	22	4	24	22	8	23	23	4	18	24
<u>College of Fine Arts</u>														
Art	107	96	21	80	67	13	85	85	26	96	81	13	91	98
Music	42	40	11	29	29	11	21	27	13	28	35	10	37	34
Music Education	1	1	--	3	4	3	4	--	2	2	1	5	2	1
Theatre Arts	9	8	--	--	--	--	--	--	--	9	9	3	5	5
<u>College of Nursing</u>	23	18	2	--	--	--	--	--	--	--	--	--	7	5
<u>Division of Public Administration</u>	223	246	106	110	139	72	149	164	108	191	216	120	272	246
<u>Medical Sciences Prog</u>	30	29	5	10	13	7	21	22	9	30	36	13	32	37
TOTAL	2740	2736	1457	2400	2364	1315	2560	2536	1541	2722	2601	1440	2783	2612

Table 5. Doctoral Level Enrollment

Colleges, Schools Division	1979-80			1975-76			1976-66			1977-78			1978-79	
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
<u>College of Arts & Sciences</u>														
American Studies	45	44	14	57	60	18	72	67	23	48	38	16	43	38
Anthropology	40	38	3	21	30	5	26	21	4	22	29	4	36	39
Biology	38	33	14	27	32	4	27	23	4	22	26	4	36	35
Chemistry	18	21	5	30	26	5	21	23	7	19	20	7	20	18
Economics	15	18	4	24	21	4	17	13	1	7	11	2	12	13
English	24	23	11	30	38	9	35	30	4	25	22	5	27	26
Geology	13	10	3	16	15	3	13	13	--	10	9	2	12	15
History	36	36	10	61	59	8	53	57	12	45	54	12	42	38
Ibero-American Stu	12	9	1	10	11	3	10	11	6	11	11	1	9	11
Mathematics & Stat	22	24	3	27	32	8	25	20	4	14	19	5	21	22
Romance Languages	43	41	11	39	53	17	53	50	15	43	36	16	43	46
Philosophy	17	16	3	15	19	2	16	16	--	13	14	1	14	15
Physics	25	24	6	24	26	4	25	28	3	27	21	5	27	28
Political Science	8	7	--	--	6	8	1	8	8	6	6	--	8	6
Psychology	20	19	6	43	20	4	17	15	1	12	18	13	19	20
Sociology	12	11	4	--	--	--	--	--	--	7	5	4	9	9
<u>Anderson School of Management</u>	2	3	--	--	--	--	--	--	--	--	--	--	5	4
<u>College of Education</u>														
Art Education	6	7	4	--	2	--	3	3	--	3	4	3	6	7
Ed'l Administration	64	68	35	76	70	24	52	52	14	47	62	32	40	63
Ed'l Foundations	41	39	13	53	61	26	55	46	22	52	50	22	44	40
Elementary Educ	47	47	15	54	64	31	52	49	29	48	35	23	35	46
Guidance & Couns	51	41	20	36	48	16	40	39	21	39	40	22	42	39
Hlth Phys Educ & Rec	42	43	29	27	32	17	26	31	24	44	37	27	44	37
Sec & Adult Tchr Ed	42	40	28	55	72	32	54	60	26	47	55	19	31	47
Special Education	40	41	24	30	36	13	32	36	11	33	33	24	26	43

Table 5. Doctoral Level Enrollment (continued)

Colleges, Schools Division	1979-80			1975-76			1976-66			1977-78			1978-79	
	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring
<u>College of Engineering</u>														
Chemical Engr	7	8	1	5	4	1	4	3	--	4	3	2	5	6
Civil Engr	10	11	5	10	11	1	11	14	1	15	12	1	10	14
Elec & Computer Engr	24	29	7	36	41	7	33	32	--	29	33	4	28	25
Mechanical Engr	12	11	1	13	14	3	8	6	--	7	9	1	10	8
Nuclear Engr	1	12	3	9	15	1	12	10	4	13	14	6	13	12
<u>College of Fine Arts</u>														
Art	29	30	7	21	31	6	31	29	2	25	36	2	33	29
Music	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<u>Medical Sciences</u>														
<u>Program</u>	17	16	1	22	15	5	14	10	3	11	12	3	12	11
TOTAL	823	820	291	877	966	278	845	815	244	748	753	290	762	810

Table 6. Master's Degrees Awarded by Unit and by Year

DEPARTMENTS BY COLLEGES DIV/PROGRAM	1927 thru 1954	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
ARCH & PLAN																		6	7	13	10	23	20	21	18	19	13
ARTS & SCIENCES																											
Anthropology	47	2	4	3	2		4	2	2	1	7		2	7	9	6	14	17	9	13	13	4	8	19	14	15	9
Biology	92	4	4	4	11	4	5	8	12	7	12	6	11	14	18	21	17	18	18	15	17	19	11	23	15	16	12
Chemistry	20	3		1	1	2		1	1	2	6	1	6	3	9	2	4	1	10	9	6	7	3	4	10	7	9
Comm. Dis.																			3	19	20	11	21	18	20	16	
Comp. Lit											1		1	1			3	1	2	2	1			2	2		1
Economics	34	2	3	1	1	3	4	2	2		1	3	1	6	7	8	5	3	7	11	6	3	3	6	5	4	3
English	124	2	5	6	6	7	4	6	5	6	6	17	21	23	17	23	12	20	14	19	10	10	12	4	14	7	5
Geography																			4	3	5	3	2	3	2	2	--
Geology	41	1	8	4	11	7	13	11	9	6	5	4	2	6	9	8	7	5	7	8	5	11	9	6	13	12	10
History	105	1	2	4	2	6	3	7	12	7	10	13	15	11	19	14	15	13	21	16	11	4	6	8	3	3	11
Inter Amer Aff	22	1		1	1	1	2		2																		--
Lat Amer Stu										3	3	3	1	3	4	16	7	14	9	10	8	10	8	7	9	4	6
Linguistics																								1	2	2	1
Math & Stat	35	2	3	4	1	2	2	6	3	4	5	8	11	3	22	13	10	17	14	19	6	3	7	7	4	7	5
Mod & Class Languages																											
Latin	2											1	2	1	5	3	9	9	4	9	3		2	4	2		
French																											1
Spanish	99	4	7	6	5	3	6	3	4	2	5	9	12	10	16	6	15	8	12	7	7	4	6	3	1		3
Portuguese										2	1	3		3				3				2		1	1		

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

DEPARTMENTS BY COLLEGES DIV/PROGRAM	1927 thru 1954	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
ARTS & SCIENCES																												
Philosophy	3		1				2	3			1	2	3	4	4	3	7	4	5	5	2	4	3	5	11	3	2	
Physics & Astr	24	1	4	4	3	8	4	12	14	13	10	6	8	10	7	12	9	11	6	9	11	2	2	3	6	6	5	
Political Sci	53	2	1	3	2	2	2	3		2	4	2	2	3	3	8	5	6	5	2	3	4	1	5	6	1	4	
Psychology	66	2	3	1	5	4	2	3	5	3	1	6	4	9	8	6	4	4	9	7	4	9	8	10	14	9	8	
Sociology	16	3	1			1	1	1	1				1	3	1	1	3	2	4	4	5	4	6	1	3	2		
Speech Comm	7	2	5	1	2	1	3	4	2	3	2	4	7	11	12	11	14	21	18	11	7	5	19	12	14	14	11	
ANDERSON SCHOOL OF MANAGEMENT	8	1		2	4	4	1	3	5	4	9	9	8	28	30	20	25	29	27	28	52	52	45	47	46		91	
Industrial Admin										1	2	2		2	1	1	1				6		15	2	**	**		
COLLEGE OF EDUC																												
Art Education	28	5	6	4	4		4		1	1		4	4	8	3	7	8	9	18	20	23	9	14	22	19		12	
Educ'l Admin	256	24	30	29	16	15	20	21	21	21	23	23	28	35	36	21	16	11	21	18	9	10	18	33	19	17	24	
Educ'l Fdns																		5	9	5	7	7	6	13	13	8	12	
Elementary Educ	37	7	8	7	5	18	12	6	9	9	9	13	21	23	33	39	56	31	60	59	76	77	87	76	87	72	81	
General Educ	119		1		1	1																						
Guidance & Couns					7	19	9	12	23	19	26	26	26	43	42	61	55	65	83	71	85	59	80	59	56	46	43	
Hlth, PhysEd & Rec																												
Health Educ																			2	3	2	3	7	8	7	11	5	11
Physical Educ	20	7	2	1	6	8	6	4	8	11	10	8	12	17	18	19	12	18	12	14	13	13	8	11	22	11	17	
Recreation									2				4	3	2	4	4	1	5	13	8	10	6	15	11	16	10	
Home Economics																										6	5	
Secondary Educ	47	19	10	9	10	8	9	6	9	3	9	7	4	13	17	27	26	20	40	48	46	38	59	32	34	63	67	
M. Educ Sci						14	6	8	31	24	39	30	18	20	4													
Tch Bus Subj															2	4	11	4	6	6	4	4	6	8	6			
Tch English																		9	10	1	2		6	1				
Tch Home Ec															4	6	3	6	5	8	6	6		5	2			

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

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

DEPARTMENTS BY COLLEGES DIV/PROGRAM	1927 thru 1954	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
SATE (continued)																										
Tch Indus Subj															4	3	5	5	5	7	7	4	7	6	4	
Tch Math															1	7	16	10	7	28	9	12		3		
Tch Science															1	7	3	7	6	1	4	5		1		
Tch Spanish							8	6	10	21	9	14	16	8	8	1	6	3	7	8	3	4		7	1	
Special Educ															6	16	25	39	37	33	50	56	38	61	60	67
COLLEGE OF ENGR																										
Chemical Engr							1	4		1		1	4	2		1		6	3	2	2	1		2	5	3
Engr Sci Mtl's													1	1	2		2	1			3	1				
Civil Engr	18	3		2	6	5	6	7	8	7	7	11	12	12	15	13	10	15	10	6	7	13	9	12	13	15
Computer Engr		—																			3	3	3	4	10	8
Elec & Comp Engr	16	5	4	6	11	11	12	23	56	40	58	58	32	31	30	35	34	22	36	29	39	30	36	29	25	35
Mech Engr	10	2	2	4	7	10	11	15	27	28	23	26	5	26	15	25	18	20	19	8	3	4	9	7	8	1
Nuclear Engr									6	5	7	3	8	6	3	9	11	9	9	14	6	17	9	7	7	10
FINE ARTS																										
Art	34	5	7	6	9	4	4	6	5	9	7	6	6	14	13	24	15	11	15	14	18	24	20	18	29	13
Music	23	1	3				1	2	3	3	1	5	7	6	5	4	2	3	5	6	9	6	7	2	8	9
Music Educ			1	1	4	4	6	3	5	5	9	4	7	7	3	8	10	7	1	5		3	5		1	1
Theatre Arts																										
Division of Public Admin's																	13	17	36	33	30	35	32	57	65	74
Medical Science Program																						4		1	2	1
COLL. OF NURSING																										
TOTAL	1404	111	125	114	144	157	182	196	278	279	313	347	375	434	484	527	550	563	681	683	694	663	681	724	781	647

Table 7. Doctoral Degrees Awarded by Unit and Year

DEPARTMENTS BY COLLEGES DIV/PROGRAM or by name of degree	1927 thru 1954	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
ARTS & SCIENCES																											
American Studies	2	1			3	2		1	1			1	1	2	1	3	4	1	6	5	10	4	12	6	9	4	5
Anthropology	7		2		2		1			3					1	3	4	2	1	2	3	3	5	4	2	5	6
Biology	2	3		2	2	1			1	1	1	2	1	1	1	5	2	4	3	10	8	5	4	5	2	3	10
Chemistry	11		3	8	4	6	2	4	7	3	3	4	2	6	6	3	6	6	6	4	5	2	8	5	9	10	
Economics																		1	1	2	1	2	3	4	2	2	3
English	3	1	1	4	3	3	2	4	1	2	1	2	3	7	12	16	11	7	14	18	11	9	9	12	4	3	5
Geology									2	1	1	2	3	4	2	3	3	4	9	2	2	2	3	3	1		9
History	13	2	2	1				4	4	3	3	8	6	6	3	7	18	17	17	11	12	11	15	11	6	9	4
Ibero-Amer Stu										1			1	1	2	3	3		3	5	4	1	2			2	1
Mathematics									1	2	2	4	1	5	6	7	10	7	9	9	5	5	5	6	6	1	3
Physics	3	2		1			1	2	3	2	2	4	2	4	8	2	2	5	1	6	4	7	1	3	8	3	
Philosophy																	1	1	3	1		1	2		1	1	1
Political Sci																				2	3	2	1	1	1		2
Psychology									1			1		2	5	8	12	8	6	5	13	4	7	9	7	6	6
Romance Lang																	6	7	4	4	5	7	3	8	6		3
Spanish	8	1	2		2	1	1	2			1	1		3		2			4								

Table 7. Doctoral Degrees Awarded by Unit and by Year (continued)

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DEPARTMENTS BY COLLEGES DIV/PROGRAM or by Name of Degree	1927 thru 1954	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
COLLEGE OF EDUC																										
C & I									2	1	1	5	5	4	9	18	25	22	26	32	30	20	12	19	14	
Educ Admin							2	1	1			3	2	8	4	10	8	3	4	8	7	2	5	5	4	5
Educ Found															2	2	4	5	6	3	9	7	7	5	8	7
General Educ								3		2																
PPS										1	2	4	5	2	4	5	14	9	22	6	17	15	8	10	5	
COLLEGE OF ENGR																										
Chemical Engr												1					1	1	1	1	2	1		1	1	
Civil Engr													1		2	3	3	5	4	3	1	3	1		2	2
Elec & Comp Engr							2	4	5	4	3	10	7	10	3	5	7	7	7	6	9	3	4	1	3	
Mech Engr												3	3	2	5	2	1	2	4	3	1	4	3	4	1	
Nuclear Engr													2	1	1	1	3	4	2	1	2		2	2		6
COLLEGE OF FINE ARTS																										
Art History																	2			1	2	1		2		
Med Sci Program																1	3	1			3	2	1	6	5	3
AND SCH OF MGMT																										
TOTAL	49	10	10	16	16	13	9	23	28	27	21	48	48	65	84	106	141	129	149	153	166	129	112	140	107	76
MASTER OF FINE ARTS													1	2	1	2	1	4	3	2	4	6	4	4	1	

Table 8. Ratio of Degrees Awarded to Enrollment

	MASTERS LEVEL			DOCTORAL LEVEL			MASTERS LEVEL			DOCTORAL LEVEL		
	Enrolled 1979-80	Awarded 1979	Ratio	Enrolled 1979-80	Awarded 1979	Ratio	Enrolled 1978-79	Awarded 1979	Ratio	Enrolled 1978-79	Awarded 1979	Ratio
Arch & Plan	88	13	.147				84	19	.226			
American Studies				45	5	.111				43	4	.098
Anthropology	56	9	.161	40	6	.15	61	15	.245	36	5	.138
Biology	52	12	.231	38	10	.263	61	16	.262	36	3	.083
Chemistry	49	9	.183	18			43	7	.162	20	10	.5
Communicative Dis	41	16	.390				49	20	.408			
Comparative Lit	2	1	.500				5					
Economics	34	3	.088	15	3	.2	25	4	.16	12	2	.166
English	53	5	.094	24	5	.208	49	7	.142	27	3	.111
Geography	14						13	2	.153			
Geology	59	10	.169	13	9	.692	62	12	.193	12		
History	49	11	.224	36	4	.111	46	3	.065	42	9	.214
Ibero Amer Stu				12	1	.083				9	2	.222
Latin Amer Stu	8	6	.75				12	4	.333			
Linguistics		1					12	2	.2			
Mathematics & Stat	38	5	.131	22	3	.136	27	7	.259	21	1	.047
Mod Lang/Rom Lang	34	4	.117	43	3	.069	37	11	.275	43	6	.139
Philosophy	22	2	.091	17	1	.059	23	3	.130	14	1	.071
Physics & Astr	30	5	.166	25			24	6	.25	27	3	.111
Political Science	11	4	.363	8	2	.25	15	1	.066	8		
Psychology	36	8	.222	20	6	.3	42	9	.214	19	6	.315
Sociology	18			12			11	2	.181	9		
Speech Commun	36	11	.305				40	14	.35			
And Sch of Mgmt	366	91	.248	2	1	.5	363			5		
Art Education	39	12	.307	6	1	.166	34	17	.5	6		
Elementary Educ	253	81	.320	47	8	.170	252	72	.285	35		
Hlth, PE & Rec	106	38	.358	42	3	.071	126	32	.253	44		
Sec & Ad Tchrr Ed	175	72	.411	42	11	.261	206	63	.310	31		
C & I										116	20	.172

Table 8. Ratio of Degrees Awarded to Enrollment (continued)

	MASTERS LEVEL			DOCTORAL LEVEL			MASTERS LEVEL			DOCTORAL LEVEL		
	Enrolled 1979-80	Awarded 1979	Ratio	Enrolled 1979-80	Awarded 1979	Ratio	Enrolled 1978-79	Awarded 1979	Ratio	Enrolled 1978-79	Awarded 1979	Ratio
Educ'l Adminis	61	24	.393	64	5	.078	78	36	.461	40	5	.125
Educ'l Fdns	40	12	.30	41	7	.170	31	8	.258	44	7	.159
Guidance & Couns	104	43	.413	51	10	.2	99	46	.464	42	3	.071
PPS	---	---	---	---	---	---	---	---	---	---	---	---
Special Educ	166	64	.385	40	6	.15	169	67	.396	26	2	.076
Chem Engr	31	5	.161	7	0	----	18	3	.166	5	1	.2
Civil Engr	35	20	.571	10	1	.1	32	15	.468	10	2	.2
Computer Sci	40	10	.25	---	---	----	48	8	.190	---	---	----
Elec & Comp Engr	110	28	.254	24	3	.125	87	35	.402	28	3	.107
Mechanical Engr	44	18	.409	12	0	----	35	1	.029	10	---	----
Nuclear Engr*	5	10	.2	1	3	----	18	10	.555	13	6	.461
Art	107	31	.289	29	4	.137	91	13	.142	33	8	.242
Music	42	8	.190	---	---	----	37	9	.243	---	---	----
Music Educ	1	2	----	---	---	----	2	1	.5	---	---	----
Theatre Arts	9	1	.111	---	---	----	5	---	----	---	---	----
Public Adminis	223	81	.363	---	---	----	272	74	.273	---	---	----
Medical Sci Prg	30	6	.2	17	3	.176	32	1	.031	12	3	.25
College of Nursing	23	4	.173	---	---	----	7	---	----	---	---	----
OVERALL	2740	797	.290	823	124	.151	83	91	.250	62	15	.150

Graduate
Enrollment

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

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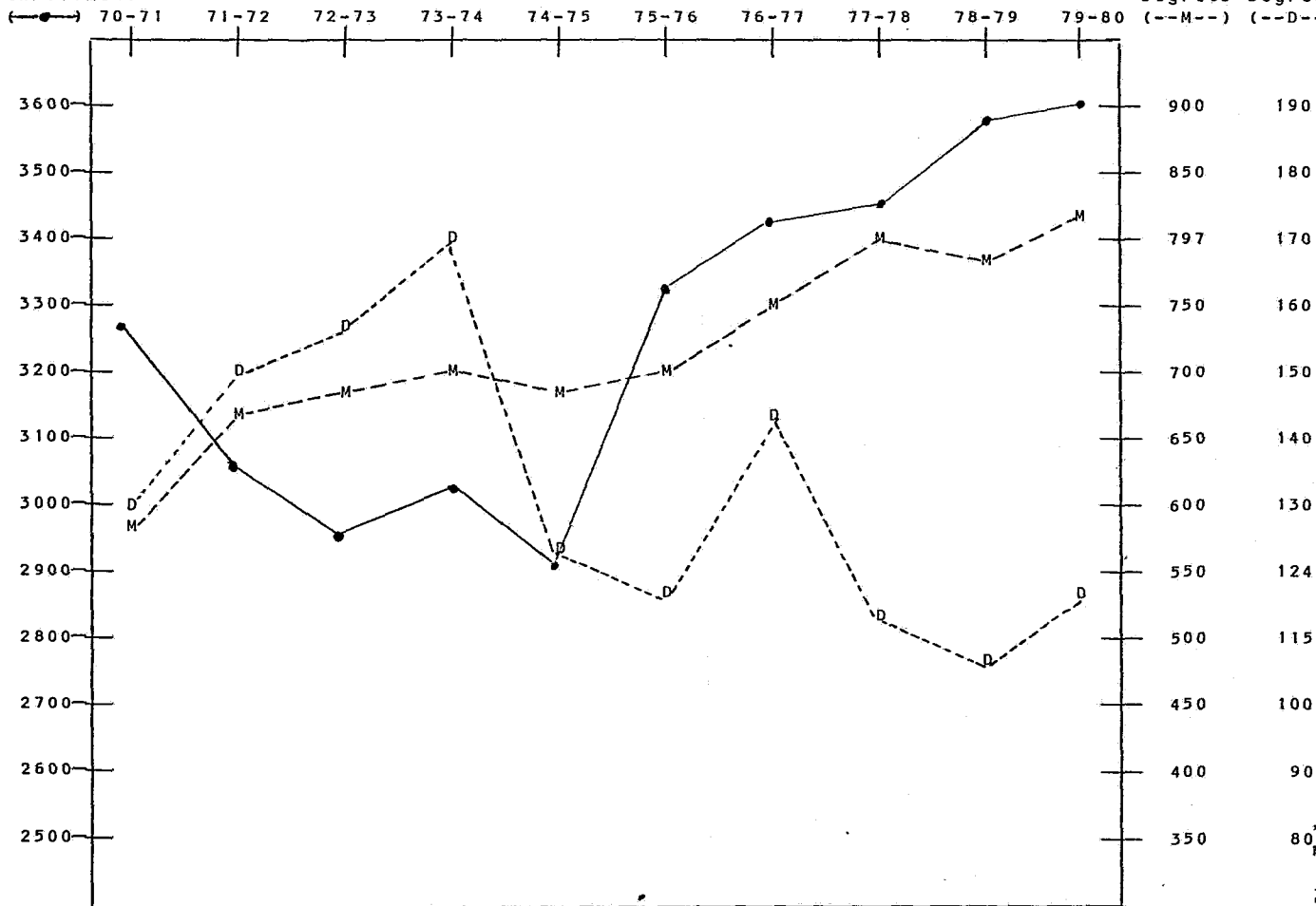


Table 9. Enrollment Table

Table 10. Graduate and Other Assistantships, 1976-80

	Fall 1976	Spring 1977	Summer 1977	Fall 1977	Spring 1978	Summer 1978	Fall 1978	Spring 1979	Summer 1979	Fall 1979	Spring 1980
Graduate Assistants - Regular	141	141	37	141	144	22	161	144	126	150	139
Graduate Assistants - Special	48	56	0	22	34	0	29	35	19	38	47
Teaching Assistants - Regular	234	240	109	286	285	109	230	245	238	272	252
Teaching Assistants - Special	71	69	0	52	55	0	66	67	55	87	56
Teaching Associates	28	25	2	25	5	3	23	25	25	19	28
Total	522	531	148	526	523	134	509	516	463	566	522
Research Assistants and Project Assistants	177	188	197	174	173	52	125	118	151	145	147
Total	177	188	197	174	173	52	125	118	151	145	147
GRAND TOTAL	699	719	345	700	696	186	634	634	614	711	669

Table 11. Graduate Assistants, Teaching Assistants
and Teaching Associates, 1978-80.

Colleges, Schools, Division	Fall 1978	Spring 1979	Summer Session 1979	Fall 1979	Spring 1980
<u>School of Architecture & Planning</u>	8	12	12	11	11
<u>College of Arts & Sciences</u>					
American Studies	0	0	0	2	2
Anthropology	16	13	11	11	11
Biology	39	40	34	43	42
Chemistry	30	27	14	31	27
Communicative Disorders	2	1	2	3	3
Economics	10	11	11	15	14
Geography	2	2	2	3	3
Geology	16	16	14	19	20
History	20	21	14	19	20
Ibero-American Studies	0	0	0	2	2
English	46	46	38	52	44
Latin American Studies	2	2	0	0	0
Linguistics	1	1	2	1	0
Mathematics & Statistics	22	22	19	23	26
Modern & Classical Languages	47	41	38	43	38
Philosophy	5	5	4	5	6
Physics & Astronomy	15	15	9	21	19
Political Science	7	7	5	6	7
Psychology	18	18	19	18	18
Sociology	7	7	5	5	7
Speech Communication	4	5	5	5	5
<u>Total</u>	<u>309</u>	<u>300</u>	<u>246</u>	<u>327</u>	<u>314</u>
<u>Anderson School of Management</u>	24	27	25	27	24
<u>College of Education</u>					
Art Education	3	4	5	4	3
Educational Administration	7	6	5	5	5
Educational Foundations	6	7	7	8	10
Elementary Education	12	18	20	8	14
Guidance & Counseling	4	4	3	4	4
Health, Phys Educ & Rec	39	39	32	34	31
Home Economics	2	2	2	1	1
Secondary & Adult Teacher Educ	6	6	7	15	14
Special Education	3	3	3	3	4
<u>Total</u>	<u>82</u>	<u>89</u>	<u>84</u>	<u>82</u>	<u>86</u>

Table 11. Graduate Assistants, Teaching Assistants
and Teaching Associates, 1978-80 (continued)

Colleges, Schools, Division	Fall 1978	Spring 1979	Summer Session 1979	Fall 1979	Spring 1980
<u>College of Engineering</u>					
Chemical and Nuclear Engr	2	4	2	4	6
Civil Engr	7	6	4	6	7
Computer Science	3	3	3	5	5
Electrical & Computer Engr	17	19	11	18	18
Mechanical Engr	4	5	5	6	7
Total	33	37	25	39	43
<u>College of Fine Arts</u>					
Art	45	47	42	45	44
Music/Music Education	7	7	6	11	10
Theatre Arts	5	2	1	3	2
Total	57	56	49	59	56
<u>Medical Sciences Program</u>					
Physiology	1	1	0	0	0
<u>College of Nursing</u>	1	1	1	2	2
<u>Division of Public Administration</u>	3	3	8	4	4
<u>Other</u>					
Afro-American Studies	1	1	1	1	0
Chicano Studies	0	1	1	0	1
English Tutorial Program	10	11	8	12	10
Undergraduate Seminar Program	2	1	0	0	0
Women Studies	2	3	5	2	1
Total	15	17	13	15	12
GRAND TOTAL	509	516	463	566	522

Table 12. Research Assistants and Project Assistants, 1978-80

Colleges, Schools, Division	Summer Session 1979		Fall, 1979		Spring 1980	
	RA's	PA's	RA's	PA's	RA's	PA's
SCHOOL OF ARCHITECTURE	3	0	2	0	4	0
COLLEGE OF ARTS & SCIENCES						
American Studies	0	0	0	0	0	0
Anthropology	0	0	0	0	0	0
Contract Archaeology	0	0	0	0	0	0
Maxwell Museum	0	0	0	0	0	0
Biology	18	0	16	0	13	0
Chemistry	22	0	9	0	13	0
Communicative Disorders	0	0	0	0	0	0
Comparative Literature	0	0	0	0	0	0
Economics	0	0	0	0	0	0
English	0	0	0	0	0	0
Geography	0	0	0	0	0	0
Geology	25	0	20	0	23	0
Institute of Meteoritics	2	0	3	0	2	0
History	0	0	0	0	0	0
Historical Review	0	0	0	0	1	0
Ibero-American Studies	0	0	0	0	0	0
International Affairs	0	0	0	0	0	0
Latin-American Studies	0	0	0	0	0	0
Linguistics	0	0	0	0	0	0
Mathematics & Statistics	1	0	3	0	2	0
Modern & Classical Languages	0	0	0	0	0	0
Philosophy	0	0	0	0	0	0
Physics & Astronomy	3	0	3	0	2	0
Political Science	0	0	0	0	0	0
Psychology	6	0	11	1	8	0
Sociology	2	0	0	0	0	0
Speech Communication	1	0	2	0	1	0
Total	83	0	69	1	69	0
ANDERSON SCHOOL OF MANAGEMENT	0	0	0	0	0	0
COLLEGE OF EDUCATION						
Art Education	0	0	0	0	0	0
Educational Administration	0	0	0	0	0	0
Educational Foundation	0	0	0	0	0	0
Elementary Education	0	1	0	1	0	2
Guidance & Counseling	0	0	0	0	0	0
Health, Phys Educ & Rec	0	0	6	0	7	0
Home Economics	0	0	0	0	0	0
Secondary & Adult Teacher Ed	0	0	0	0	0	0
Special Education	10	0	10	0	9	0
Manzanita Center	0	1	0	1	0	0
Total	10	2	16	2	16	2

Table 12. Research Assistants and Project Assistants, 1978-80 (continued)

Colleges, Schools, Division	Summer Session 1979		Fall, 1979		Spring 1980	
	RA's	PA's	RA's	PA's	RA's	PA's
COLLEGE OF ENGINEERING						
Chemical & Nuclear Engr	0	0	0	0	0	0
Civil Engr	0	0	0	0	0	0
Computer Science	0	0	0	0	0	0
Electrical & Computer Engr	0	0	0	0	0	0
Mechanical Engr	0	0	0	0	0	0
Bureau of Engr Research	43	0	39	0	40	0
Civil Engr Research Facility	0	0	0	0	0	0
Total	43	0	39	0	40	0
COLLEGE OF FINE ARTS	0	0	0	0	0	0
<u>Medical Sciences Program</u>						
Anatomy	0	0	0	0	0	0
Biochemistry	5	0	6	0	7	0
Medicine	1	0	0	0	0	0
Microbiology	2	0	5	0	6	0
Minority Biomedical Sci Prog	0	0	0	0	0	0
Pathology	5	0	5	0	4	0
Pharmacology	0	0	0	0	0	0
Clinical Nutrition Program	0	0	0	0	0	0
Physiology	0	0	0	0	0	0
Psychiatry	0	0	0	0	0	0
SOM Student Affairs	0	0	0	0	0	0
Total	13	0	16	0	17	0
<u>Division of Public Adminis</u>	0	0	0	0	0	0
<u>Other</u>						
Albuquerque Urban Observer	0	0	1	0	2	1
Bureau of Bus & Econ Res	0	1	0	0	0	0
Research Administration	0	0	0	0	0	0
Research Fellowship	0	0	0	0	0	0
School of Law	0	0	0	0	0	0
Institute of Public Law	0	0	0	0	0	0
Testing Division	0	0	0	0	0	0
University Architect	0	0	0	0	0	0
Total	0	0	2	0	2	1
GRAND TOTAL	149	2	142	3	144	3

Table 13. Graduate Student Fellowships & Grants, 1976-80

Grantor Agency	1976-1977		1977-1978		1978-1979		1979-1980	
	Grant Amt	Awardees	Grant Amt	Awardees	Grant Amt	Awardees	Grant Amt	Awardees
<u>American Association of University Women</u> Fellowship	\$ 300	1	\$ 300	1	\$ 300	1	\$ 500	1
<u>Association on American Indian Affairs</u> Sequoyah Fellowship	1,000	1	1,200	1	1,200	1	0	0
<u>Associated Western Universities</u> Laboratory	0	0	570	1	576	1	0	0
<u>APS/UNM Internship Program</u>	0	0	56,000	14	48,000	12	36,000	9
<u>Department of Health, Education & Welfare</u> NDEA Title IX-B Fellowship	16,000	2	8,000	1	0	0	0	0
NDFL Title VI Fellowship	11,856	4	13,756	4	0	0	13,000	4
Energy Management Fellowship Program	56,184	4	0	0	0	0	0	0
Indian Administration Program	0	0	0	0	55,300	4	17,550	3
Title VII, Bilingual Ed. Fellowship Prog	203,143	38	194,752	31	164,175	26	9,058	18
Graduate & Professional Opportunities Fellowship Program (Title IX)	0	0	0	0	32,500	10	65,000	20
Indian Education Fellowship	0	0	5,269	1	0	0	0	0
<u>Ford Foundation</u> Graduate Fellowship for Mexican-American and Native Americans	8,933	12	8,413	10	5,715	7	0	0
<u>National Institute of Health</u> Minority Biomedical Science Adv Prog	66,300	15	0	0	0	0	0	0
<u>National Science Foundation</u> Graduate Fellowship	7,300	1	14,600	2	6,500	2	3,600	1
<u>U.S. Atomic Energy Commission-ERDA</u>	4,450	2	0	0	0	0	0	0
<u>U.S. Department of Transportation</u> Federal Highway Adminis Fellowship	0	0	645	1	645	1	0	0

* Formerly NDEA Title IV Fellowship

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Table 13. Graduate Student Fellowships & Grants, 1976-1980 (continued)

Grantor Agency	1976-1977		1977-1978		1978-1979		1979-1980	
	Grant Amt	Awardees	Grant Amt	Awardees	Grant Amt	Awardees	Grant Amt	Awardees
<u>The University of New Mexico</u>	\$		\$		\$		\$	
Graduate Tuition Fellowship	26,033	63	34,207	57	27,565	60	27,000	50
Graduate Fellowship	0	0	3,700	1	4,100	1	8,800	2
Juan Montalvo Fellowship	500	1	0	0	0	0	0	0
American Psychological Assn	0	0	12,000	4	17,500	5	17,500	5
GRAND TOTAL								

GRADUATE UNITS	BLACK AMERICANS		HISPANICS		AMERICAN INDIANS		TOTAL UNDERREPRESENTED MINORITIES		WOMEN		TOTAL STUDENTS
	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED
SCH OF ARCH & PLAN	0 (2)	0.0 (2.4)	5 (5)	5.7 (6.1)	1 (0)	1.1 (0.0)	6 (7)	6.8 (8.5)	22 (22)	25.0 (24.4)	88 (82)
ARTS & SCIENCES	12 (10)	1.2 (0.9)	113 (106)	11.0 (10.0)	8 (7)	0.77 (0.7)	133 (123)	12.9 (11.5)	377 (420)	36.6 (39.4)	1029 (1065)
American Studies	0 (1)	0.0 (2.2)	3 (4)	6.1 (8.7)	3 (2)	6.1 (4.3)	6 (7)	12.2 (15.2)	26 (19)	53.1 (41.3)	49 (46)
Anthropology	0 (0)	0.0 (0.0)	4 (3)	4.2 (3.1)	1 (0)	4.2 (0.0)	5 (3)	5.2 (3.1)	47 (54)	48.9 (55.1)	96 (98)
Biology	0 (0)	0.0 (0.0)	7 (5)	7.8 (5.2)	0 (0)	0.0 (0.0)	7 (5)	7.8 (5.2)	27 (32)	30.0 (33.0)	90 (97)
Chemistry	0 (0)	0.0 (0.0)	4 (2)	6.0 (3.6)	1 (0)	1.5 (0.0)	5 (2)	7.5 (3.6)	18 (16)	26.8 (28.6)	67 (56)
Communicative Dis	0 (0)	0.0 (0.0)	4 (5)	9.8 (13.9)	0 (0)	0.0 (0.0)	4 (5)	9.7 (13.9)	39 (35)	96.1 (97.2)	41 (36)
Comp Literature	0 (0)	0.0 (0.0)	0 (1)	0.0 (20.0)	0 (0)	0.0 (0.0)	0 (1)	0.0 (20.0)	0 (1)	0.0 (0.0)	2 (5)
Economics	0 (0)	0.0 (0.0)	2 (1)	4.1 (3.2)	0 (0)	0.0 (0.0)	2 (1)	4.1 (3.2)	11 (9)	22.4 (29.0)	49 (51)
English	0 (0)	0.0 (0.0)	0 (8)	7.8 (10.4)	1 (0)	1.3 (0.0)	15 (8)	19.5 (10.4)	41 (42)	53.2 (54.5)	77 (77)
Geography	0 (0)	0.0 (0.0)	6 (1)	43.0 (7.7)	0 (0)	0.0 (0.0)	6 (1)	42.8 (7.7)	4 (5)	28.5 (38.5)	14 (13)
Geology	0 (0)	0.0 (0.0)	2 (1)	2.8 (14.0)	0 (0)	0.0 (0.0)	2 (1)	7.8 (1.4)	4 (16)	5.6 (21.9)	72 (73)
History	2 (1)	2.3 (1.2)	11 (13)	13.0 (15.5)	0 (1)	0.0 (1.2)	13 (15)	15.3 (17.9)	31 (29)	36.5 (17.9)	85 (84)
Ibero Amer Studies	0 (0)	0.0 (0.0)	5 (2)	42.0 (25.0)	0 (0)	0.0 (0.0)	5 (2)	41.7 (25.0)	6 (4)	50.0 (50.0)	12 (8)
Latin Amer Studies	0 (0)	0.0 (0.0)	2 (2)	25.0 (20.0)	0 (0)	0.0 (0.0)	2 (2)	25.0 (20.0)	4 (6)	50.0 (60.0)	8 (10)
Linguistics	0 (0)	0.0 (0.0)	0 (6)	0.0 (40.0)	0 (0)	0.0 (0.0)	0 (6)	0.0 (40.0)	1 (10)	12.5 (66.7)	8 (15)
Math & Stat	3 (3)	5.0 (6.5)	6 (4)	10.0 (8.7)	0 (0)	0.0 (0.0)	9 (7)	15.0 (15.2)	18 (18)	30.5 (39.1)	60 (46)
Modern & Class Lang	0 (0)	0.0 (0.0)	22 (24)	36.0 (42.9)	0 (0)	0.0 (0.0)	22 (24)	36.1 (42.9)	33 (34)	54.1 (60.7)	61 (56)
Philosophy	0 (0)	0.0 (2.5)	6 (4)	15.4 (10.0)	0 (0)	0.0 (0.0)	6 (5)	15.4 (12.5)	9 (9)	23.1 (22.5)	39 (40)
Physics & Astron	2 (2)	3.6 (4.3)	2 (2)	3.6 (4.3)	1 (0)	1.8 (0.0)	5 (4)	9.1 (8.5)	9 (7)	16.4 (14.9)	55 (47)
Political Science	2 (0)	6.0 (0.0)	2 (4)	5.0 (20.0)	0 (1)	0.0 (5.0)	4 (5)	11.8 (25.0)	4 (7)	11.7 (35.0)	34 (20)
Psychology	0 (0)	0.0 (0.0)	9 (6)	16.1 (9.2)	1 (1)	1.8 (1.5)	10 (7)	17.8 (10.8)	22 (26)	39.3 (40.0)	56 (65)
Sociology	0 (0)	0.0 (0.0)	7 (5)	23.0 (25.0)	0 (1)	0.0 (5.0)	7 (6)	23.3 (30.0)	19 (14)	63.3 (70.0)	30 (20)
Speech Comm	3 (2)	12.5 (5.1)	3 (3)	12.5 (7.7)	0 (1)	0.0 (2.6)	6 (6)	25.0 (15.4)	13 (27)	54.2 (69.2)	24 (39)
AND SCH OF MANAGM	0 (1)	0.0 (0.4)	28 (17)	7.6 (7.5)	3 (3)	0.81 (1.3)	31 (21)	8.4 (9.3)	126 (97)	34.2 (42.9)	368 (226)
COLLEGE OF EDUC	22 (19)	1.7 (1.4)	269 (292)	21.1 (21.5)	69 (77)	5.4 (5.7)	360 (188)	28.2 (28.5)	868 (918)	68.0 (67.5)	1277 (1360)
Art Education	0 (0)	0.0 (0.0)	9 (5)	20.0 (12.8)	2 (2)	4.4 (5.1)	11 (7)	24.4 (17.9)	32 (29)	71.1 (74.4)	45 (39)
Educ Adm'n	2 (0)	2.1 (0.0)	27 (36)	19.1 (26.9)	18 (24)	12.8 (17.9)	48 (60)	34.0 (44.8)	52 (55)	36.9 (41.0)	141 (134)
Educ Found's	1 (1)	1.4 (1.5)	10 (10)	13.9 (14.7)	6 (4)	8.3 (5.9)	7 (14)	23.6 (20.6)	57 (44)	79.2 (64.7)	72 (68)
Elem Educ	4 (4)	1.3 (1.2)	82 (89)	27.3 (27.2)	31 (31)	10.3 (9.5)	117 (122)	39.0 (37.3)	273 (279)	91.0 (85.3)	300 (327)
Guid & Couns	0 (0)	0.0 (0.0)	34 (39)	24.0 (28.9)	4 (5)	2.8 (3.7)	38 (14)	26.8 (12.6)	91 (86)	64.1 (63.7)	142 (135)
Hlth, Phys Ed & Rec	7 (4)	4.7 (2.7)	14 (28)	9.5 (8.8)	3 (3)	2.0 (2.0)	24 (35)	16.2 (23.5)	80 (73)	54.0 (49.0)	148 (149)
Home Economics	0 (0)	0.0 (0.0)	4 (6)	23.5 (40.0)	0 (0)	0.0 (0.0)	4 (6)	23.5 (40.0)	15 (15)	88.2 (100.0)	17 (15)

Table 14. Minority Enrollment (continued)

GRADUATE UNITS	BLACK AMERICANS		HISPANICS		AMERICAN INDIANS		TOTAL UNDERREPRESENTED MINORITIES		WOMEN		TOTAL STUDENTS
	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED	% OF TOTAL	NO. ENROLLED
Sec & Adult Tch'r Ed	3 (3)	1.6 (19.1)	5 (6)	2.6 (3.5)	5 (6)	2.6 (3.5)	49 (42)	25.6 (24.3)	118 (111)	61.8 (64.2)	191 (173)
Business Educ.	1 (1)	33.3 (10.0)	0 (3)	0.0 (30.0)	0 (0)	0.0 (0.0)	1 (4)	33.3 (40.0)	0 (9)	33.3 (40.0)	3 (10)
Industrial Educ.	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (50.0)	2 (2)
Special Education	3 (6)	1.4 (2.6)	48 (43)	22.2 (18.7)	0 (2)	0.0 (0.9)	51 (51)	23.6 (22.2)	150 (173)	69.4 (75.2)	216(230)
COLLEGE OF ENGR	3 (2)	0.0 (0.8)	24 (23)	7.5 (9.1)	1 (1)	0.31 (0.4)	28 (26)	8.7 (10.3)	36 (29)	11.2 (11.5)	320(253)
Chem/Nucl Engr	1 (0)	2.3 (0.0)	6 (5)	13.6 (11.1)	0 (0)	0.0 (0.0)	7 (5)	16.0 (11.1)	8 (2)	18.2 (4.4)	44(45)
Civil Engr	1 (1)	2.2 (3.0)	7 (6)	15.5 (18.2)	1 (1)	2.2 (3.0)	9 (8)	20.0 (24.2)	2 (3)	4.4 (9.1)	45(33)
Computer Science	0 (1)	0.0 (2.0)	3 (4)	7.3 (8.0)	0 (0)	0.0 (0.0)	3 (5)	7.3 (10.0)	17 (15)	41.5 (30.0)	41(50)
Elec & Comput Engr	1 (0)	0.7 (0.0)	8 (8)	6.0 (8.2)	0 (0)	0.0 (0.0)	9 (8)	6.7 (8.2)	8 (8)	6.0 (8.2)	134(97)
Mechanical Engr	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	0 (0)	0.0 (0.0)	1 (1)	1.8 (3.6)	56(28)
COLLEGE OF FINE ARTS	3 (2)	1.6 (1.3)	13 (10)	6.9 (6.3)	1 (1)	0.5 (0.6)	17 (13)	9.1 (8.1)	101 (83)	54.0 (51.9)	187(160)
Art	1 (1)	0.7 (0.9)	8 (7)	5.9 (6.3)	1 (1)	0.7 (0.9)	10 (9)	7.3 (8.0)	80 (67)	58.8 (59.8)	136(112)
Music/Music Educ	2 (1)	4.8 (2.4)	4 (3)	9.5 (7.3)	0 (0)	0.0 (0.0)	6 (4)	14.3 (9.8)	16 (14)	38.1 (34.1)	42(41)
Theatre Arts	0 (0)	0.0 (0.0)	1 (0)	11.1 (0.0)	0 (0)	0.0 (0.0)	1 (0)	11.1 (0.0)	5 (2)	11.1 (28.6)	9(7)
Medical Sciences	1 (0)	2.1 (0.0)	3 (5)	6.4 (11.4)	0 (0)	0.0 (0.0)	4 (5)	8.5 (11.4)	27 (27)	57.4 (61.4)	47(44)
COLLEGE OF NURSING	0 (0)	0.0 (0.0)	3 (1)	13.0 (16.7)	1 (0)	4.3 (0.0)	4 (1)	17.4 (16.7)	21 (6)	91.3(100.0)	23(6)
Division of Public Administration	12 (17)	5.4 (6.9)	69 (75)	30.1 (30.2)	8 (8)	3.6 (3.2)	89 (100)	39.7 (40.3)	107 (90)	47.8 (36.1)	224(248)
GRAND TOTAL	53 (53)	1.5 (1.6)	527 (534)	14.8 (15.8)	92 (97)	2.6 (2.9)	672 (684)	18.9 (20.2)	1694 (1648)	47.5 (48.8)	3563(3380)

* Figures in parentheses = Fall 1978
Includes Gallup, Los Alamos, Santa Fe, and Main Campus

Table 15. Assistantships (Teaching, Graduate, Research, Project) Held by Graduate Minority Students, Women and Non-Citizens

Graduate Units	Blacks (U.S. Citizens)		Hispanics (U.S. Citizens)		Amer. Indians		Total Underrepresented Minorities		Non-Citizens		Asians		Women		Total Students Number Employed
	No.	% of	No.	% of	No.	% of	No.	% of	No.	% of	No.	% of	No.	% of	
	Employed	Total	Employed	Total	Employed	Total	Employed	Total	Employed	Total	Employed	Total	Employed	Total	
Sch of Arch & Plan	0	0.0	1	6.7	0	0.0	1	6.7	0	0.0	0	0.0	3	20.0	15
Abq Urban Observ	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1
And Sch of Mgmt	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	7.4	9	33.3	27
Afro Amer Studies	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	1
American Studies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	50.0	2
Anthropology	0	0.0	1	7.1	0	0.0	1	7.1	0	0.0	0	0.0	8	57.1	14
Biology	0	0.0	1	1.7	0	0.0	1	1.7	1	1.7	0	0.0	14	23.7	59
Chemistry	1	2.4	0	0.0	0	0.0	1	2.4	3	7.3	5	12.2	11	26.8	41
Communicative Dis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	100.0	3
Contract Archaeol	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Economics	0	0.0	1	3.8	0	0.0	1	3.8	3	11.5	1	3.8	7	26.9	26
English	0	0.0	3	5.9	1	2.0	4	7.8	5	9.8	0	0.0	26	51.0	51
English Tutorial Pr	0	0.0	1	8.3	0	0.0	1	8.3	0	0.0	0	0.0	7	58.3	12
Geography	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	33.3	3
Geology	0	0.0	1	2.3	0	0.0	1	2.3	0	0.0	0	0.0	10	23.2	43
History	1	5.3	2	10.5	0	0.0	3	15.8	1	5.3	0	0.0	10	52.6	19
Gen Hon/Undergr Prg	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Latin Amer Projects	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	66.7	3
Linguistics	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1
Native Amer Studies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Mathematics & Stat	2	7.7	1	3.8	0	0.0	3	11.5	4	15.4	1	3.8	5	19.2	26
Mod & Class Lang	0	0.0	7	17.5	0	0.0	7	17.5	8	20.0	2	5.0	28	70.0	40
Philosophy	0	0.0	1	20.0	0	0.0	1	20.0	0	0.0	0	0.0	1	20.0	5
Physics & Astron	0	0.0	0	0.0	1	4.0	1	4.0	1	4.0	1	4.0	5	4.0	25
Political Science	0	0.0	1	14.3	0	0.0	1	14.3	0	0.0	0	0.0	3	42.8	7
Inst of Meteoritics	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2
Psychology	0	0.0	1	3.4	0	0.0	1	3.4	0	0.0	1	3.4	10	34.5	29
Sociology	0	0.0	1	20.0	0	0.0	1	20.0	1	20.0	0	0.0	4	80.0	5
Speech Communic	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	57.1	7
School of Law	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Div of InterAm Aff	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	50.0	2
Art Education	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	100.0	3

Table 15. Assistantships (Teaching, Graduate, Research, Project) Held by Graduate Minority Students, Women and Non-Citizens (Continued)

Graduate Units	Blacks (U.S. Citizens)		Hispanics (U.S. Citizens)		Amer. Indians		Total Underrepresented Minorities		Non-Citizens		Asians		Women		Total Students Number
	No.	% of	No.	% of	No.	% of	No.	% of	No.	% of	No.	% of	No.	% of	Employed
	Employed	Total	Employed	Total	Employed	Total	Employed	Total	Employed	Total	Employed	Total	Employed	Total	
Ed'l Adminis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	33.3	6
Ed'l Foundations	0	0.0	1	12.5	0	0.0	1	12.5	0	0.0	0	0.0	4	50.0	8
Elementary Educ	0	0.0	3	33.3	1	11.1	4	24.4	0	0.0	0	0.0	6	66.7	9
Guidance & Counsel	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	50.0	4
Hlth, Phys Ed & Rec	1	2.5	0	0.0	0	0.0	1	2.5	1	2.5	1	2.5	24	60.0	40
Sec & Adult Tchr Ed	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	81.2	16
Home Economics	0	0.0	1	100.0	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0	1
Special Educ	0	0.0	2	15.4	0	0.0	2	15.4	0	0.0	0	0.0	9	69.2	13
Manzanita Center	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Bur Bus & Econ Res	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	75.0	4
Chem/Nucl Engr	0	0.0	1	25.0	0	0.0	1	25.0	1	25.0	1	25.0	0	0.0	4
Civil Engr	3	50.0	1	16.7	0	0.0	4	66.7	2	33.3	0	0.0	2	33.3	6
Computer Science	0	0.0	0	0.0	0	0.0	0	0.0	1	20.0	0	0.0	2	40.0	5
Elec & Comp Engr	0	0.0	0	0.0	0	0.0	0	0.0	2	11.1	10	55.5	0	0.0	18
Mechanical Engr	0	0.0	0	0.0	0	0.0	0	0.0	3	50.0	3	50.0	0	0.0	6
Bur Engr Res	1	2.4	0	0.0	0	0.0	1	2.4	10	24.4	20	48.9	2	4.9	41
Civil Engr Res Fac	0	0.0	0	0.0	0	0.0	0	0.0	2	66.6	2	66.6	2	66.6	3
Art	0	0.0	1	2.3	0	0.0	1	2.3	2	4.6	2	4.6	28	65.1	43
Music/Music Educ	0	0.0	1	10.0	0	0.0	1	10.0	0	0.0	0	0.0	5	50.0	10
Theatre Arts	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	33.3	3
Testing Center	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Univ Architect	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Women Studies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2
Public Adminis	0	0.0	2	40.0	0	0.0	2	40.0	0	0.0	0	0.0	5	100.0	5
Biochemistry	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	33.3	6
Medicine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Microbiology	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	40.0	5
Pathology	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	20.0	1	20.0	5
Clinical Nutr Lab	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Physiology	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
College of Nursing	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2
Offc Res & Fell Svs	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1
Inst'l Res	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1
TOTAL	9	1.2	36	4.9	3	0.4	48	6.5	52	7.0	53	7.2	297	40.2	739

ANNUAL REPORT OF THE CENTER
FOR GRADUATE STUDIES AT LOS ALAMOS
July 1, 1979 - June 30, 1980
Shyam H. Gurbaxani - Resident Director

I HIGHLIGHTS

The results of the past three years' efforts to offer academic programs of interest to the technical divisions were evident with the largest graduating class of 22 this year. (Last year was the second largest with 19 in the graduating class.) With approximately thirty students nearing completion of their degree requirements (B.S., M.S., M.B.A., Ph.D.), the next year's graduating class should set another record. Two important reasons which contributed to this performance are:

- (1) close interaction with the lab's programmatic divisions
and
- (2) effective student advisement and academic offerings.

II POLICIES AND DIRECTIONS

Discussions with the Campus Departmental Faculty and the LASL programmatic leadership have concerned the development of three multidisciplinary concentrations. These are:

- (a) Master's level program in Energy Policy/Administration
- (b) Master's level program in Optoelectronics/Laser Physics
- (c) Master's level program in Materials Science/Radiation
Effects.

The plan calls for offering introductory representative courses in these areas during the Fall of 1980. To this effect, Dr. Edward Hammel, retired Assistant Director for Energy Programs will be given a UNM Visiting appointment to help develop the Energy Program. This is very much in concert with one of two strong suggestions by Dr. Edward Teller.

In accordance with the newly developed UNM policies, the Dean of Graduate Studies conducted for the first time an administrative evaluation of the Graduate Center operations under the present director. Based on the responses from LASL programmatic leadership and scientists who the Grad Center serves and the UNM faculty, the Graduate Dean reappointed the present director for another term beginning July 1, 1980. This evaluation process, however, indicated desirability of a thorough review of external pressures which could affect the integrity and quality of the UNM graduate program. This analysis would be of great assistance to the Faculty Senate which has already scheduled an academic audit for our center in 1981. Other matters such as availability of appropriate facilities (computing, electronics, library, etc.) as well as support staff deserve attention at this time. At the very least, these facilities should be modestly comparable to the newly installed undergraduate branch college in Los Alamos.

III RESEARCH

The trend set last year for publishing research results was continued this year at the national and international scene. The following publications/presentations were carried

out under the sponsorship of the Graduate Center.

- (1) "The Space Shuttle - A Cosmic Perspective", J.A. Angelo, Jr.
paper presented at the XXXth Congress of the International
Astronautical Federation held in Munich, W. Germany
September 12-16, 1979.
- (2) "Application of Modal Analysis to the Transient Reponse
of Multiconductor Transmission Lines with Branches",
Agrawal, Gurbaxani et al, IEEE Trans. Electromagn. Compat.,
Vol. EMC 21, No. 3, pp. 256-262, August 1979.
- (3) "Transient Response of Multiconductor Transmission Lines
Excited by a Non-Uniform Electromagnetic Field", with
Price and Agrawal, IEEE Trans. Electromagn. Compat.,
Vol. EMC - 22, No. 2, pp. 119-129, May 1980.
- (4) "Why a Graduate Center at a National Laboratory", with
Dunn Proceedings of the Am. Soc. for Engr. Education,
College Industry Education Conference, pp. 114-116, 1980.

IV INSTRUCTIONAL STATISTICS

The customary tables I, II and III indicate the enrollment and cost figures. 1166 formal class sessions were conducted by 23 UNM faculty and 33 adjunct faculty. In addition, 42 courses involving dissertation, research and individual problems were also conducted by 40 faculty members. Last year, the actual cost per hour of instruction to a single student under this contract (excluding tuition, Ross Airline, classroom and LASL support) was \$6.04. With the inclusion of tuition, Ross Airline, classroom and LASL support the total is estimated to be \$9.09/hour/student.

And finally, the following LASL employees availed themselves of the year round presence of the director and his multidisciplinary background in conducting research in the areas of Electrical and Computer Engineering, Laser Physics, Molecular Chemistry, Numerical Techniques, etc.

(1) Ph.D. Dissertation -

"A State Space Formulation Applied to Safety, Reliability, and Risk Analysis for a Nuclear Reactor System" by Mr. Robert J. Bartholomew ("Q" Division)

(2) Ph.D. Dissertation -

"A CAMAC based LSI-11/2 controlled Real Time on Line Reactivity Meter (System)" by Mr. R.David Sachs ("MP" Division)

(3) Masters Thesis

"A Parametric Study of Gain, Output Energy and Power of Gemini Laser (CAMAC Modules)" Mr. Stephen Hackenberry ("L" Division)

(4) Masters Thesis

"Subcellular and Macromolecular Geometry Measurements by Small-Angle Neutron Scattering" by Dr. Philip Anthony Seeger ("MP" Division)

(5) Research and Individual Problems and Master's Comprehensive Examinations:

Mr. Donald Willerton ("C"Division) M.S. Final

Mr. John W. Scheer ("E"Division) M.S. Final

Mr. James G. Newell ("WX"Division) Design Problem

(5) Research and Individual Problems and Master's

Comprehensive Examinations: continued.

Mr. Wayne P. Fox ("WX"Division) Materials under High Strain

Mr. Charles R. Tallman ("AP"Division) Excimer Laser Design

Mr. Nicholas J. Levinos ("AP"Division) High Gain Three Electrode CO₂ Laser.

THE CENTER FOR GRADUATE STUDIES

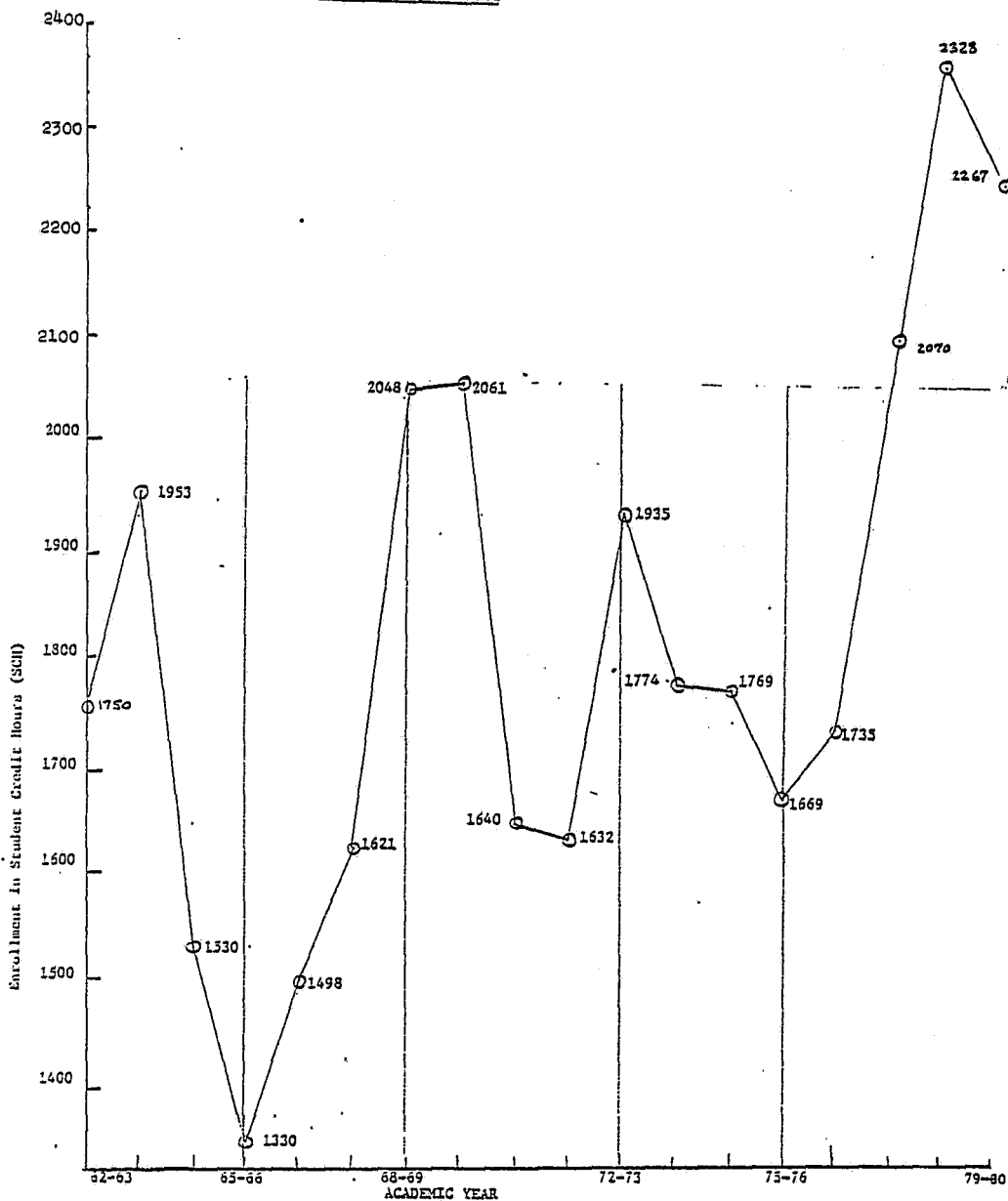
LOS ALAMOS

Table I- Annual Statistics

Academic (Fiscal) Year	1976 - 1977		1977 - 1978		1978 - 1979		1979 - 1980	
<i>Semesters</i>	Summer & Fall	Spring	Summer & Fall	Spring	Summer & Fall	Spring	Summer & Fall	Spring
Registrations:								
Dissertation (Ph.D.)	5	4	5	4	4	4	4	2
Thesis	1	2	2	3	7	4	6	8
Problems (Indv. Study)	9	5	19	9	20	18	17	19
Graduate Courses	162	97	294	162	161	185	164	177
Undergraduate Courses (Junior & Senior level)	<u>183</u>	<u>154</u>	<u>98</u>	<u>113</u>	<u>243</u>	<u>155</u>	<u>210</u>	<u>167</u>
SEMESTER TOTALS	360	262	418	291	435	366	401	373
YEARLY TOTALS	622		709		801		774	
Credit Hours*	987	748	1228	842	1315	1013	1180	1087
YEARLY TOTALS	1735		2070		2328		2267	
Individuals Enrolled:	274	206	304	216	342	266	310	289
YEARLY TOTALS	480		520		608		599	
Cost paid UNM	80775	70447	86049	65920	103013	93143	120947	98011
Academic (Fiscal Year)	151222		151969		196156		218958	
Cost Per Credit Hour	81.84	94.18	70.07	78.29	78.34	91.95	102.49	90.17
Academic (Fiscal Year)	87.16		73.42		84.29		96.58	
Number of Courses - Offered	26	20	33	23	30	28	26	34
- Given	25	19	33	21	26	26	25	30
AVERAGE COURSE ENROLLMENT**	14.3	13.2	12.5	13.1	16.0	13.1	15.0	11.5

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

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

Table II - Enrollment Profile

THE CENTER FOR GRADUATE STUDIES
LOS ALAMOS

Table III Degree Recipients

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

FIELD		1954- 1973	1974	1975	1976	1977	1978	1979	1980	TOTAL
B.A.	Biology	1	-	-	-	-	-	-	-	1
or	Chemistry	5	-	-	-	-	-	-	-	5
B.S.	Engineering:									
	Computer Science	-	-	-	-	-	-	-	1	1
	Electrical & Computer Engineering	8	4	2	-	2	1	3	1	21
	Mechanical	1	-	-	-	2	4	-	1	8
	Math. & Statistics	9	-	-	-	1	-	1	-	11
	Physics	2	-	-	-	-	-	-	-	2
	University Studies	-	-	-	-	1	-	-	-	1
										(50)
MBA	Business Administration	-	-	-	-	-	-	6	10	16
M.A.	Chemistry	9	-	-	-	-	1	-	-	10
or	Engineering:									
M.S.	Chemical & Nuclear	47	-	-	-	-	2	2	-	51
	Computer Science	-	-	-	-	-	1	1	3	5
	Electrical & Computer Engineering	27	9	8	2	7	6	3	5	67
	Mechanical	18	-	-	-	-	-	-	1	19
	Engr. Sci of Materials	8	-	-	-	-	-	-	-	8
	Math & Statistics	6	-	-	1	-	-	-	-	7
	Medical Science (Physiology)	-	-	-	-	-	-	-	-	-
	Physics	28	2	-	-	-	-	1	-	31
										(214)
Ph.D.	Chemistry	18	-	-	1	-	-	-	-	19
	Engineering:									
	Electrical & Computer Engineering	3	-	-	-	1	-	-	-	4
	Mechanical	4	-	-	-	-	-	-	-	4
	Nuclear	4	-	-	-	-	-	-	-	4
	Math & Statistics	2	1	-	1	-	-	-	-	4
	Physics	14	-	2	-	-	-	2	-	18
										(53)
TOTALS		214	16	12	5	14	15	19	22	317

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

ANNUAL REPORT

July 1, 1979 - June 30, 1980

Henry J. Pepe
Acting Director

The Santa Fe Graduate Center has continued to grow in enrollment and course offerings during the past year, indicating it has become an integral part of the educational community of the Santa Fe and North-Central part of the State. The following is a summary of the development of the Center during the 1979-80 year.

Center Staff:

Dr. Henry Pepe, Associate Professor in Special Education, was appointed Acting Director of the Center in August of 1979, replacing Dr. Alan Reed. He will continue in that capacity through the 1980 Summer School Session. Dr. Vera John-Steiner, Professor, Department of Educational Foundations, was recently appointed as the Director and will assume the responsibility of the Center for the 1980-81 academic year beginning August, 1980.

Mrs. Marie Peterson, administrative assistant at the Graduate Center resigned effective May 30, 1980. She was replaced by Mrs. Anne Burrage. Mrs. Burrage has been part-time receptionist at the Center for two years and is well aware of all Center procedures and activities. She has the ability and knowledge of the Center that is needed to provide the continuity necessary in the interim period of change of directorship of the Center. At this time the Center is in the process of replacing the half-time receptionist. There does not appear to be a need for any additional staff at this time.

Administrative Procedures:

The administrative procedures, established by Dr. Alan Reed, director of the Center since its conception continues to work very well. Procedures for enrollment, scheduling of classroom space at the College of Santa Fe, UNM departmental program offerings, faculty assignments, faculty contracts, etc., are well established. The main administration on the central campus has assisted greatly to assure an efficient and effective operation of the Graduate Center at Santa Fe.

Enrollment:

Enrollment at the Santa Fe Graduate Center has continued to increase during the 1979-80 year. There was an increase of registrations of approximately 31% from the 1978-79 year to the 1979-80 year. Table I shows the continued increase of the Graduate Center enrollment since it began in 1975. Table I also shows the ethnic breakdown and male/female ratio of students enrolled at the Graduate Center for the 1979-80 year. It should be noted that the increase in enrollment has been due primarily to the increase of course offerings during the past years. Because of budget limitations, there will be little or no increase in course offerings during the next academic year. Although an increase is anticipated because of the stability of program offerings, it will not be nearly as significant as it was in the past.

Program Development:

Total course offerings increased from thirty-two in the 1978-79 academic year to forty-six in the 1979-80 academic year (44% increase). As mentioned previously, budget limitations do not allow for similar growth for next year. Consequently, program planning for the 1980-81 year reflects maintenance scheduling with emphasis on improvement of present program offerings. A general discussion of the total program is not meaningful, due to the wide variations of departmental offerings and credit hour productions. Therefore each department will be discussed separately. It should be noted that programming and anticipated projected revenue is based on a projection of twenty students per class, which should be considered in Tables II, III and IV. The following is this Director's comments regarding each department offering courses through the Graduate Center.

- (1) Public Administration: P.A. has continued to be the strongest department at the Graduate Center, both in course offerings and student enrollment. It supports or covers the offering of other courses

with lower enrollment. During the past year, P.A. had a mean enrollment of twenty-seven students in the ten classes offered.

- (2) Guidance and Counseling: G&C has been consistent in course offerings at the Graduate Center, offering two courses per academic semester and one during the summer (average of fifteen students per class). There has been protest by students because of the difficulty of being admitted to the department. Dr. Anderson, Chairman, has proposed a total program of studies through the Graduate Center, with separate admittance procedures. A questionnaire indicated 25-30 students interested in this program. This will be pursued further this summer, with anticipation of this program becoming a productive part of the Center's total program.
- (3) Secondary and Adult Teacher Education: SATE has indicated a desire to provide a comprehensive program through the Graduate Center. Enrollment in Secondary Ed. classes appears to be consistent (20: per class for five classes). The classes in Adult Ed. are questionable (7 in fall class; spring class cancelled because of low enrollment). The department would not offer courses this summer with an adjunct professor because it would not receive replacement funds. This should be negotiated prior to more course offerings. Reading courses for teacher certification are needed.
- (4) Special Education: Sp. Ed. has offered a comprehensive program in learning disabilities. Enrollment has been consistent (average enrollment 22 for 7 classes). The department has projected to offer the core classes in the M.A. program in the future (24 hours). Students will have to take 9-12 hours on the main campus to complete

their degrees. It is anticipated that this program will continue to be productive to the Graduate Center.

- (5) History: The History Department has for several years offered one class per semester. The same classes have been offered several times, which probably has effected enrollment (13 per class during the 1979-80 year). The department has expressed an interest in more course offerings and this should be pursued.
- (6) Educational Foundations: Ed. Fdns. offered a research class in the summer and spring semesters. The summer course had a much higher enrollment (24) than the spring (8). More and different course offerings from this department should be pursued.
- (7) Educational Administration: Two courses in administration were offered this year. Enrollment in both classes were adequate (21 and 24). There is an expressed interest and need in the Santa Fe area for a more comprehensive program in Ed. Adm. It is recommended that this area of educational programs be given priority for program expansion if the department has the capacity to do so.
- (8) Political Science: This department has not offered courses on a continuous basis at the Center. There does not appear to be enough data to comment on future development of a program in this area.
- (9) Speech Communications: This department offered a course during the fall and spring semesters. Enrollment has been poor (7 in fall, 3 in spring), and past enrollment is similar. It is questionable whether this program should continue without more promotion or investigation into the need within the Santa Fe area. This has been discussed with the department chairman. He was informed of the

possibilities of classes being cancelled if enrollment continued at the present rate.

- (10) Anderson Graduate School of Management: AGSM has offered four classes during the past year. Enrollment has not been successful (7 per class). A concerted effort to revitalize this program was undertaken this year:

- a. discussion with the Dean of AGSM, Associate Provost for Community Affairs, and this Director;
- b. special notice of the attempt to offer a comprehensive program in the fall/spring schedule;
- c. advertisement of the program through the Santa Fe Chamber of Commerce; and
- d. a special brochure printed and distributed by AGSM.

There has been little or no reaction from the community. Dr. Champoux informed this office that, because of the lack of interest, no courses from AGSM would be offered through the Graduate Center in the 1980-81 academic year.

- (11) Civil Engineering: One course offered in the fall 1979 semester (enrollment of 3). One course during the spring semester cancelled because of similar enrollment. Civil Engineering expressed interest in starting a program this fall in Structural Engineering. Because of limited budget and past enrollment it was not approved by this Director.
- (12) Sociology: This department expressed an interest in program development through the Graduate Center. A course was offered in the

spring semester but cancelled (no enrollments), possibly due to poor promotion. There is an expressed interest in this area as indicated by a study completed by Dr. Reed during the 1978-79 academic year. It is felt this area should be pursued further.

- (13) Elementary Education: El. Ed. has not offered courses through the Graduate Center for the past two years. There is a definite need for courses in this area, specifically the reading courses needed by elementary teachers for recertification by 1982. One course, "Diagnostic and Prescriptive Reading" will be offered during the 1980 summer session, and will fill with a maximum of thirty students. Course offerings during the year should be explored with the new chairman of the department.

Class Schedule - 1980-81 Academic Year:

Nine classes have been scheduled for the 1980 summer session. In addition, seventeen classes have been scheduled for the fall '80 semester and seventeen classes have been tentatively scheduled for the spring '81 semester. All classes scheduled are with departments that have present programs at the Graduate Center. This is a minimal decrease (three classes) from this year, which should allow the director some latitude to explore the inclusion of two to three new classes during the year, and also to negotiate with departments on schedule revisions for the spring semester, dependent upon enrollment.

Recommendations:

- (1) The College of Santa Fe has continuously expressed a need for library support from UNM to support the programs through the Graduate Center. This was pursued to some degree, with no success. It is recommended that this matter be investigated further to maintain the good relationship that exists with the College of Santa Fe.

(2) Budget limitations for the next year dictates an increase projected revenue through greater class enrollments. (Projected revenue for the 1980-81 year is estimated using a minimum of twenty students per class.) In order to maintain this level, consideration should be given to a policy to cancelling classes with enrollment below a certain level (6 to 10 students).

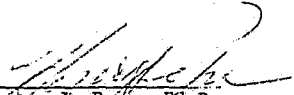

Henry J. Pepe, Ed.D.
Acting Director
Santa Fe Graduate Center

TABLE I

SANTA FE GRADUATE CENTER ENROLLMENT

278

<u>Semester</u>	<u>Students</u>	<u>Returning</u>	<u>New</u>	<u>Degree</u>	<u>Non-Degree</u>	<u>Student Credit Hours</u>	<u>Registrations</u>	<u>Courses</u>
Summer '75	47	0	47	18	29	141	47	1
Fall '75	95	24	71	31	64	357	119	5
Spring '75	141	55	86	40	101	501	167	8
	<u>283</u>	<u>79</u>	<u>204</u>	<u>89</u>	<u>194</u>	<u>999</u>	<u>333</u>	<u>14</u>
Summer '76	42	19	23	15	27	126	42	2
Fall '76	179	76	103	68	111	618	206	11
Spring '76	211	78	133	65	146	768	256	11
	<u>432</u>	<u>173</u>	<u>259</u>	<u>148</u>	<u>284</u>	<u>1,512</u>	<u>504</u>	<u>24</u>
Summer '77	113	40	73	31	82	360	120	4
Fall '77	157	77	80	65	92	630	210	8
Spring '78	159	94	65	79	80	603	201	9
	<u>429</u>	<u>211</u>	<u>218</u>	<u>175</u>	<u>254</u>	<u>1,593</u>	<u>531</u>	<u>21</u>
Summer '78	103	66	37	45	58	342	114	8
Fall '78	201	83	118	67	134	720	240	10
Spring '79	226	117	109	94	132	834	278	14
	<u>530</u>	<u>266</u>	<u>264</u>	<u>206</u>	<u>324</u>	<u>1,896</u>	<u>632</u>	<u>32</u>
Summer '79	165	96	69	54	111	621	207	10
Fall '79	230	115	115	97	133	918	306	18
Spring '80	245	159	86	91	154	936	312	18
	<u>640</u>	<u>370</u>	<u>270</u>	<u>242</u>	<u>360</u>	<u>2,475</u>	<u>825</u>	<u>46</u>
Totals	2,314	1,099	1,215	860	1,416	8,475	2,825	165

Ethnic and Male/Female Breakdown - 1979-80 Academic Year.

	<u>Oriental</u>	<u>Indian</u>	<u>Hispanic</u>	<u>Black</u>	<u>Caucasian</u>	<u>M</u>	<u>- F</u>
Summer 1979	0	3	51	1	110	50	115
Fall 1979	1	6	61	4	158	97	133
Spring 1980	0	6	67	2	170	102	143

TABLE II
CENTER FOR GRADUATE STUDIES AT SANTA FE
Summer Session 1979

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<u>COURSE NO.</u>	<u>COURSE NAME</u>	<u>NO. OF STUDENTS</u>	<u>CREDIT HOURS</u>	<u>TOTAL STUDENT CREDIT HOURS</u>
PA 540	State and Local Administration	22	3	66
PA 545	Budget Process	9	3	27
AGSM 563	Human Resources Management: Theory and Application	7	3	21
Hist. 360	History of New Mexico	14	3	42
Hist. 396	Spain and Portugal since 1700	11	3	33
Ed. Fdns. 500	Research Applications to Education	24	3	72
G&C 513	Socio-Economic Information Counseling	20	3	60
SATE 538	Teaching Reading through the Content Fields	49	3	147
Sp. Ed. 408	Special Education in the Regular Classroom	35	3	105
Sp. Ed. 564	Administration and Use of Diagnostic Tests in Special Education	16	3	48
		<hr/> 207		<hr/> 621

TABLE III
CENTER FOR GRADUATE STUDIES AT SANTA FE
Fall Semester 1979

<u>COURSE NO.</u>	<u>COURSE NAME</u>	<u>NO. OF STUDENTS</u>	<u>CREDIT HOURS</u>	<u>TOTAL STUDENT CREDIT HOURS</u>
PA 500	Issues in Contemporary Public Administration	31	3	93
PA 530	Public Health Administration	32	3	96
PA 575	Seminar on Energy Administration	37	3	111
PA 597	Research Methodology	21	3	63
Pol.Sci. 410	Public Policy Analysis	8	3	24
AGSM 526	Financial Management	7	3	21
AGSM 528	International Management	10	3	30
CE 482	Traffic Engineering	3	3	9
Hist. 370	History of New Mexico	11	3	33
Sp.Com. 527	Seminar in Persuasion	7	3	21
G&C 518	Theories of Counseling	18	3	54
G&C 540	Counseling in the Elementary School	10	3	30
SATE 493	Survey of Adult Education	7	3	21
SATE 538	Reading in the Content Area	20	3	60
SATE 542	Principles of Curriculum Development	12	3	36
Sp. Ed. 593	Topics: Applied Behavioral Analysis	29	3	87
Sp. Ed. 593	Topics: Psychology & Education of Exceptional Persons	19	3	57
Ed. Admin. 509	Introduction to Educational Administration	24	3	72
		306		918

TABLE IV
CENTER FOR GRADUATE STUDIES AT SANTA FE
Spring Semester 1980

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<u>COURSE NO.</u>	<u>COURSE NAME</u>	<u>NO. OF STUDENTS</u>	<u>CREDIT HOURS</u>	<u>TOTAL STUDENT CREDIT HOURS</u>
PA 521	Administrative Behavior	29	3	87
PA 525	Public Personnel Administration	43	3	129
PA 535	Comparative Public Administration	24	3	72
PA 544	Public Budgeting and Fiscal Management	15	3	45
Pol.Sci. 512	Topics: Seminar on State Politics	10	3	30
AGSM 598	Seminar in General Management	4	3	12
Hist. 380	History of the Southwest	15	3	45
Sp.Com. 442	Strategies of Organizational Communication	6	3	18
G&C 516	Clinical Case Study	10	3	30
G&C 517	Group Counseling	13	3	39
SATE 500	Advanced Instructional Strategies	12	3	36
SATE 442	Teaching of Reading: Secondary and Adult	17	3	51
SATE 538.	Reading through the Content Areas	21	3	63
SATE 593	Topics: Methods and Materials in Adult Education	5	3	15
Sp.Ed. 430	Nature and Needs of the Emotionally Disturbed	21	3	63
Sp.Ed. 542	Teaching the Learning Disabled	16	3	48
Sp.Ed. 593	Topics: Teaching Gifted Children	18	3	54
Ed.Admin. 510	School-Community Relations	21	3	63
Ed.Fdns. 501	Research Methods in Education	7	3	21
Soc. 513	Survey of Contemporary Schools of Sociological Theory	0	3	0
		<hr/>		<hr/>
		307		921

Cancelled



Graduate Student Association
of
The University of New Mexico

Annual Report to the Graduate School
1979-1980

presented by

Michael J. Daley
GSA President 1979-1980

I. INTRODUCTION

The Graduate Student Association (GSA) of the University of New Mexico has realized considerable growth and activity in the recent year. The GSA continues to operate independently of ASUNM and to represent the unique interests of graduate students within the university community. A considerable expansion of the services directly available to graduate students has marked this past year. A word processor service is of particular interest in this respect. The GSA, as a service organization, has continued to work and improve the overall quality for graduate students on the academic, social and professional levels. Contained herein is a brief summary and outline of the various accomplishments and sometimes failures of the GSA during this past academic year.

II. ACADEMIA

At the close of the spring 1979 semester, the Graduate School, via Dean Spolsky was attempting to pass a policy through the Faculty Senate Graduate Committee. This policy would have forced all graduate students to continue to enroll for nine hours every semester until the completion of their degree. The effect of such a policy would have been that Ph.D. students would have to continue to enroll for nine hours of dissertation irrespective of the fact that they may have completed all their dissertation credit requirements. The net effect of such a requirement would have been an additional cost to graduate students that had completed their course requirements of approximately \$300 per semester. During the summer of 1979, negotiations were instituted with the Administration (President Davis and Vice President Perovich) to arrive at an equitable compromise to the semester credit requirements for graduate students. The University was interested in receiving credit for these graduate students that were essentially enrolled full time towards completion of their degrees, but no longer had to take formal courses. Student credit hours is the basis for funds from the State Legislature. The product of such negotiations was a flat fee to be charged for all dissertation hours, \$75. This was regardless of the number of dissertation hours to be taken (3,6,9 or 12 dissertation hours per semester). This policy was then passed in the fall of 1979 and is currently in effect for fall of 1980. The University will now be appropriately credited with these hours and the graduate students will realize substantial savings.

The faculty and students of the University expressed considerable concern about the past Fiscal Year cuts for the Zimmerman Library. The central resource and heart center of any university is its library. The GSA sent representatives to the ad hoc committee, formed by the faculty and Dean Vassallo, to voice their concerns about the library's position. Although no substantive action was taken by this committee its presence and voiced concern certainly had an influence on the administration's supplementation of the library's budget early in the fall semester.

The term "hybrid dissertation" certainly invokes many meanings to the faculty of this University. It specifically refers to the option of a graduate student to include, with the prior approval of his/her thesis or dissertation committee and department chairman, published material to address specific areas of his/her research. A general introduction, interconnecting material and general

discussion would be included to unify the work. The material in its published format would serve as a chapter that would discuss a defined area of the research. Published material is the only effective mechanism by which one can effectively communicate scholarly thoughts and achievements to the academic and scholarly community. There can be no room for doubt that this is a much more professional and scholarly approach to the culmination of a graduate degree.

The first hybrid dissertation format was approved by the Arts and Sciences Graduate Committee due to the active participation of the GSA members (format approved 6 to 5, 2 GSA members voting affirmatively). Less successful efforts attempted to pass a similar format for the entire Graduate School through the Faculty Senate Graduate Committee. It is interesting to note that the GSA Office's research on the acceptance of such a format at other universities, found that all the alma maters of the Faculty Senate Graduate Committee members accepted the very format that many found to be objectionable. Acceptance of the format was seemingly split along the guidelines of the Applied Sciences being in favor and the Social Sciences unable to accept such a format. Failure to pass such a policy can only lie in the inability of this GSA Administration to mount convincing arguments (in favor) or alternatively the closed minded nature of some faculty. The policy would have significantly improved the quality and reputation of the graduate program at UNM. It is hoped that it will be accepted in the future.

III. SOCIAL EVENTS

For the last five years the GSA has held two parties during the academic year for graduate students. During the first semester this party was held at Friar's East. The party was met with only limited success with less than 50 graduate students attending. Although the social interaction of graduate students should be an important service of the GSA, the apathy of the graduate students seems to circumvent the effectiveness of this service. Therefore, the GSA President recommended to the GSA Council that future GSA parties be eliminated due to a lack of interest and participation. This motion was passed, and funds for the GSA party have been subsumed by other GSA services.

One of the most important outlets for social activities to graduate students are cultural events. The major obstacle to many graduate students to attend such events, quite dogmatically, is a financial one. Professional entertainment is often financially prohibitive to graduate students that are on a limited income. The GSA has continued to subsidize subscriptions to the Popejoy Cultural Entertainment Series. This subsidization has allowed graduate students to take advantage of a 75% discount on season tickets and a 50% discount on all single ticket purchases. Furthermore, through the representation on the Cultural Committee, the GSA has also been successful in implementing a "rush" seat policy in cooperation with Mr. William Martin, Director of Popejoy Hall. This rush policy allows students to obtain remaining tickets, 15 to 20 minutes prior to the performance, for the

nominal cost of \$2. This policy has also been adopted by numerous other cultural organizations that utilize Popejoy Hall.

IV. GSA AS AN ORGANIZATION

A. GOVERNMENTAL. One of the central issues of a service organization that functions from student fees must be responsible financial accounting. The GSA Finance Committee implemented and enforced a monthly financial report policy to be submitted by all funded organizations. These reports were invaluable in the evaluation of the productivity of various organizations throughout the year. It insured that GSA monies were being spent as budgeted and appropriately. The Finance Committee also instituted a uniform funding application packet for all organizations requesting funding for the next fiscal year. These packets were fashioned after the general format of NSF and NIH grant requests. This also permitted equitable and responsible review of these requests during the budget hearings. It has promoted professionalism both within the requesting organizations and the GSA in general.

The Special Ideas Committee received a budget of \$6,000 for the 1979-1980 Fiscal Year. These monies were used to supplement the purchase of the GSA word processor, various speakers and forums, partial renovation of the ASA Gallery and other projects that directly benefit graduate students. This fund continues to be a valuable resource to many individual graduate students and organizations, especially to support honorariums and travel for invited speakers.

The Student Research Allocations Committee received \$14,000 during the 1979-1980 fiscal year. The Graduate School, commendably, continued its program of matching funds for graduate students. This Graduate School Special Expense Fund, (GSSEF), operated through the Student Research Allocations Committee, (SRAC's). Funds equaling that of SRAC's allocation were made by GSSEF based upon the Committee's recommendation. SRAC also updated and improved the application form. SRAC with the assistance of the GSSEF continues to serve a vital role within the graduate student community promoting professionalism and academic achievement. Total requests for funds were in excess of \$45,000 and a total of approximately \$24,000 was realized to individual graduate students through the mutual cooperation of the GSA and the Graduate School.

The political machinations of GSA continue to be most interesting. The 1980-81 GSA Presidential Elections realized the election of the first 'write-in' candidate, Mr. Paul Kruse from the Law School. The margin was less than 16 votes out of approximately 650 votes cast. The 1980-81 General Budget met overwhelming support, while a referendum vote to continue funding the Lobo passed by a narrow margin. The referendum vote to increase GSA fees to \$15 per semester was handily defeated.

The GSA office at the end of the 1979 academic year moved from the second floor to the basement of the Student Union Building. Since that time, the

GSA office has realized a considerable face lift. All changes were made with the concept of increasing the professional appearance and efficiency of operation of the GSA and its office. Much of this change was mediated through the acquisition of the following; new Sofa Block furniture (one couch, two chairs, one bookcase, and secretary's desk), dictating equipment, a 24 hour answering phone, new filing cabinets, various office decorations and a new IBM Selectric correcting typewriter. The GSA office also acquired a word processor which is discussed under Section V. The GSA Open House was held during the fall and spring semesters. This was to familiarize various graduate students with the GSA office, its function, and introduce them to various Council members and elected officials of GSA.

1979 also marked the implementation of a new letter head for GSA with a newly designed logo that was to signify unity and involvement. Through the GSA office and with the assistance of the GSA word processor, a letter was sent to the Governor of New Mexico and all state legislators asking for their support in all allocations for the University. This letter was in response to the concerns of graduate students about the possible funding cuts due to the recent athletic scandal. In a further attempt to communicate and advertize GSA to graduate students, T-shirts were printed with the GSA logo. These T-shirts were distributed to all GSA Council members. It was also during the 1979-1980 academic year that the GSA of UNM started communicating with other graduate student associations throughout the nation. This network consisted of organizations that were interested in communicating issues of mutual concern. Such communications have provided some important insight into the solutions of common problems to graduate students. The GSA secretary has also been trained on the GSA word processor, and with the dictating equipment, has increased the productivity of the GSA office by in excess of 100%. The financial records of GSA are also soon to be placed on the word processor, thereby further increasing efficiency.

B. SERVICES. A number of direct services were instituted for graduate students during the past academic year. The GSA office collected and distributed a variety of information to all incoming students. This information introduced them to the University and Albuquerque community. It also explained the various functions of GSA and other services available to them. It was during 1979-80 that the fourth GSA Consuming Handbook was published by GSA. The last one was published in 1975. The handbook was totally rewritten, and dealt with various aspects of graduate student life in the University, the Albuquerque community, and provided additional information on various aspects of student life (recreational, social, financial, housing, etc.). The handbook was provided free of charge to all graduate students. Approximately 1,000 copies were distributed during the academic year.

A similar handbook was also written for graduate students that were interested in the utilization of the Word Processor Service. This handbook described the various aspects of word processing, its advantages and applications.

The handbook also contained samples of various formats and typing styles that are available. A section on how to use the optical character reader, OCR, for inputting information onto the word processor, via IBM Selectrics, was also included. The handbook is distributed free of charge to all interested graduate students through the GSA office. (See Section V on general description of the Word Processor Service).

The accessibility of the GSA office to the general graduate student community is somewhat limited. The hours of graduate students are frequently quite variable and, therefore, contacting the GSA office can be at times difficult and frustrating. During the summer of 1979, an answering phone (Sony BM250) was installed to assist with this problem. Now graduate students can call the GSA office after hours and leave a message. These messages can be quickly answered and students contacted the following day. The answering phone has received considerable use and seems to be providing a valuable service.

The GSA has also acquired various other resources that are available for use to graduate students. These have included two IBM selectric typewriters and a lettering set. This equipment can be utilized by the graduate students during the day in the GSA office, or checked-out overnight by the student. This equipment can also be reserved and checked-out for weekends. The student only has to leave their ID with the GSA office. This program has been particularly successful.

The common concern of most graduate students often centers around finances. The monthly stipends or finances realized by part time employment are at best minimal. Therefore, the GSA office implemented a policy whereby small (up to \$50), short-term loans (i.e. seven days) would be issued to graduate students that demonstrated an unusual need for financial assistance. In addition, the GSA office has instituted a policy whereby more substantive and longer term loans could be secured by GSA for the student through the Financial Aid's Office. GSA acted as a co-signer for guaranteed payment. These two policies have been appropriately utilized by various graduate students throughout the academic year.

The GSA office continues to maintain a library of graduate bulletins from major colleges and universities in the U.S. Furthermore, a limited library on grant and publishing opportunities to graduate students is also maintained. These books and catalogues are available to graduate students for short term loans. The policy of permitting graduate students to utilize the WATS line for long distance calls (charge of \$2) was also continued. The calls had to be limited to school and research activities.

One of the significant issues that the GSA attempted to address through the GSA office was the problem of evening parking for the part-time students. The office received numerous inquiries into this situation by a number of graduate students. A request was made to implement a policy, whereby, part-time graduate students could be issued a temporary parking permit that would allow

them to park between the hours of 3:15 pm and 4:30 pm (termination of zoned parking). The request was forwarded to the Parking Committee in an attempt to convince them of the need, based upon security reasons (part-time students leave their classes between the hours of 7 and 9 o'clock at night). The request was denied, but this issue continues to be one of interest to part-time students and should be pursued in the future.

V. GSA WORD PROCESSOR REPORT

In mid-January the Graduate Student Association (GSA) of the University of New Mexico took a monumental step to expand the services available to graduate students. This was marked by the initial rental of a CPT 8000 Word Processor. The unit was to be used in a pilot study to type theses, dissertations, and resumes for graduate students at cost. A potential savings could be realized to graduate students of as much as \$80,000 in a period of a year over conventional typists. The success and general acceptance of this service prompted the GSA, along with the financial and moral support of the UNM administration, to purchase the equipment (total acquisitional cost... \$19,300). In addition, the Administration has acquired an Optical Character reader (OCR) for the GSA Word Processor Service which has the capabilities of scanning typed text (from an IBM Selectric) and transferring this information onto the word processor. This expands the potential input stations for the GSA Word Processor to every IBM Selectric on campus. The GSA Word Processor Service is the only student owned and operated service, not only in the state, but in the nation.

In the first four short months that the GSA Word Processor Service was in operation, the usage was thrice that originally anticipated by the Word Processor Committee for this time period. The initial staff of one part-time Word Processor Operator (W.P.O.) worked as many as 62 hours in one week (see figure 1). In addition, all the W.P.O. hours were spent specifically text-editing, since a full-time temporary typist had been hired for all initial input through the OCR unit. This is the most efficient usage of a word processor.

The wide acceptance of the GSA Word Processor Service has been exhibited by its usage by 30 different graduate students, representing 15 different departments which comprise a variety of different disciplines. The 22 theses and dissertations in the first four months of operation that had been typed via the word processor, represented 11% of the total theses and dissertations written in one year at UNM. The OCR unit has also met with equal success. Since its installation in late March, OCR entries account for 85% of all entries. This has meant a substantial savings of money and time for these students.

As of May 1, 1980, the GSA Word Processor Service had deposited approximately \$2,400.00 in revenue collected for services. The total expenditures for salaries had been \$4,200.00 as of May 5, 1980. The \$1,800.00 in part was accounted for by the delay in receipt of monies for services until the typed product was available and received. However, much of this deficit has been

attributable to a learning process, and at times inexperience at providing such a service to a diverse group of clientele. A recent audit of the W.P.O. work sheets shows that the revenues collected are equaling the outlay for salaries. Essentially the cost of operation of this service to GSA is to be nominal.

GSA and the graduate student body are committed to the the Word Processor Service. This is reflected in its initial acceptance by the graduate students, commitment to purchase the equipment and a commitment in next year's budget of \$3,500 for advertizing, a handbook and additional equipment. The GSA Word Processor User Handbook is also available presently. The service should continue to grow as we are already having to somewhat limit access to only OCR entries. Expansion of the service should remain commensurate with the needs of the graduate students and additional terminals should be considered upon a detailed review by the GSA Word Processor Committee. A letter has been sent to CPT Corporation, informing them of our service and suggesting some avenues of mutual cooperation. Their initial response has been most affirmative. Preliminary negotiations suggest that the GSA may be able to require another terminal and printer. However, until such matters are finalized, there should be little anticipation.

VI. GSA COUNCIL (Yolanda Jones, Chairperson)

The GSA Council during the 1979-80 academic year first incorporated the Judicial branch that was created through amendments to the Constitution in the spring of 1979. The Judicial section is composed of the Judiciary Committee (3 members) appointed by the President of the GSA, from different departments, and approved by the Council. General Council business was accomplished, even with slightly low turnout, such as the approval of all Presidential appointments to Standing Committees, approval of Student Research Allocations in special instances, directing the President along lines of interest to the GSA, and approval of all Special Ideas projects.

The most controversial subject of the year, of course, was the Budget and Presidential Election. The Budget did not set well with two special interest groups on campus. In one case the problem was resolved, after much debate, with a compromise. In the second, the Council voted down any further discussion of additional funds for the organization, finding that the general election approved Budget allocated suitable funds. There is a strong chance that another appeal or confrontation will occur during the next academic year (1980- '81). The Council members also ran the election without incident, under the Election Committee's guidance, with Paul Kruse winning the presidential race.

The Council Chair has been active during the spring and summer serving on the University Child Care Cooperative Search Committee, in an effort to have continuing day care facilities available to the Student Body. This is an extremely important aspect of student services and will be acted upon further in the fall by the Council.

SECTION VII. GSA AND THE ADMINISTRATION

GSA has continued to maintain a valuable repoire with the Administration. This seems in part to be due to lack of day to day confrontation. Most issues are handled internally within GSA. This 'low profile' is invaluable when GSA voices opinions of substantive concern to graduate students to the Administration. For the most part, they listen and act on these issues when possible. Perhaps this 'low profile' approach is somewhat responsible for the lack of awareness by the graduate students of the services GSA provides in its advocacy role.

The co-operation of the Administration with GSA was exemplified by two major projects during the past academic year. The first being the change in policy for dissertation hours. The second being their financial assistance to purchase the word processing equipment. The Administration has shown an openness and willingness to listen when presented with appropriate documentation and arguments. The incite, concern for students and co-operation of President Davis and Vice-President Perovich is therefore duly acknowledged by this GSA Administration.

VIII. 1980-1981 BUDGET

INTERNAL BUDGET:

Student Research Allocations Committee	\$ 14,000.00
Special Projects & Speakers Committee	\$ 5,000.00
Word Processor Committee	\$ 3,500.00
service contracts	
advertisment & handbook	
2 IBM Selectrics(GCR)	
Pro-Rated Benefits (12/ann/dept.)	\$ 8,300.00
GSA Secretary (salary & benefits)	\$ 6,340.00
Office Supplies	\$ 1,500.00
GSA Handbook	\$ 600.00
President's Educational Grant	\$ 3,500.00
President's Contingency	\$ 500.00
Chairperson's Contingency	\$ 300.00
Sub-Total	\$ 41,840.00

EXTERNAL BUDGET:

Child Care Co-Op	\$ 2,000.00
Cultural Series (G.S. discounts)	\$ 5,000.00
KUNM	\$ 5,000.00
MALSA	\$ 2,084.40
GABS (placement service)	\$ 1,500.00
Agors	\$ 1,400.00
New America	\$ 1,150.00
Mesa Chicana	\$ 1,160.00
Inter'l Center	\$ 1,000.00
Poetry Series	\$ 985.00
LSISP	\$ 788.50
G.S. Advancement of Art	\$ 775.00
ASA Gallery	\$ 600.00
LSICRG	\$ 285.00
ALSA	\$ 175.00
Native American Women's Coal.	\$ 175.00
Delta Theta Phi	\$ 168.00

<u>LINE ITEM REFERENDUM VOTE</u>	
LOGO	\$ 3,500.00
Advertising	\$ 500.00
Publications	\$ 3,000.00
Sub-Total	\$ 3,500.00

TOTAL BUDGET \$ 75,785.90

IX RECOMMENDATIONS AND CONCLUDING REMARKS

In this section it is not appropriate to restate the accomplishments of the past academic year. If the report herein has been true to its task then they should be implicit. Hopefully, this Section will be able to succinctly state some of the substantive issues of GSA and the University as perceived by the out-going GSA President. They are not presented to offend, but to provide some incite into some possible directions one must pursue if GSA and the graduate programs are to continue to grow, change and strive towards excellence.

The GSA serves a vital and functional role as a service organization at the University. It plays an important advocacy role for the interest of graduate students on all levels of the University community. However, GSA continues to realize several substantive problems within the organization. First and foremost, is the general apathy within the graduate student body. This apathy has continued to play a significant role in the effectiveness of the organization in various aspects of the University community. This has been manifested by a lack of interest in serving on several of the University Standing Committees. No change can be effected within the University, if there is no representation by GSA. In part, the responsibility for apathy lies within the GSA as an organization, although numerous attempts have been made to advertize the various services and achievements of GSA via the media. These attempts seem to be fruitless. Perhaps direct mailouts would be a more effective means of communicating various issues and information.

In addition to the general apathy of the students, the organization also seems to suffer from the general reputation of undergraduate student government (the two certainly being related). The graduate students often come to graduate school with a pre-conditioned opinion of student government from their previous university. Faced with a bad, but unwarranted, reputation and an apathetic graduate student body, dilemma is indeed a serious one for future GSA administrations. This GSA administration's policy of increasing direct services to graduate students and promoting the professionalism of the organization seemed to have been met with only limited success. An attempt should be made to expand the core of 40 to 50 members of GSA (primarily Council members) that are interested in effecting any positive change in their graduate education.

Perhaps the apathy of the graduate students in only exceeded by that of the faculty. A dichotomy seems to exist in which, "the willing are incapable and the capable are unwilling", for many of the committees at the University. Although the apathy of the students is probably the single biggest threat to the Graduate Student Association, the apathy of the faculty is the single major problem of graduate education at the University of New Mexico. The graduate programs within individual Departments continue to remain strong, because of a sincere and strong faculty. The weaker Departments become weaker because of the perpetual nature of indifference towards graduate education. The Graduate School as a whole continues to receive very little direction or leadership from the Faculty

Senate Graduate Committee. The ineffectiveness of the faculty is also exhibited by the lack of unified and substantive stands that were taken towards major issues facing the University during the past academic year. Such a lack of leadership and direction could not help but have significant ramifications on the relationship and attitudes of graduate students to GSA.

The future direction of the Graduate Student Association is seemingly unclear. Unless the active involvement in the organization can be increased to a minimum of 100 to 200 students the effectiveness of the Association will continue to be mediated by a select few. The division of the Law School vs. the 'Main Campus' is also a matter of internal strife and lack of unity. Emphasis of this Administration on increasing services available to all graduate students have not seemed to bring about any significant change in these attitudes. However, these may be the essential beginning steps for a foundation of future involvement and unity.

Another point of major concern to graduate students is the lack of leadership and direction within the Graduate Division as a whole. Before a new Graduate Dean can be permanently appointed these substantive issues must be addressed. For it is at this time that a new leadership might provide the direction that the faculty for the most part has not. It may be worthwhile for the GSA to undertake a detailed study of the "decentralized" Graduate School. Such a study may provide valuable information pertaining to the possible reinstatement of a centralized graduate program. However, a centralized graduate school can only be effective and productive with strong financial support. Such support should certainly include the availability of additional financial support in the form of fellowship, tuition waivers, etc.

The opinions stated herein are solely mine, Mike Daley, GSA President 1979-80. They are hopefully explicit and cohesive in form. They are only meant to provide some limited incite into many of the substantive problems that face GSA, the graduate students and graduate education of UNM in the near future. Perhaps such rhetoric will serve some useful purpose.

GSA Word Processor Service Equipment Assets

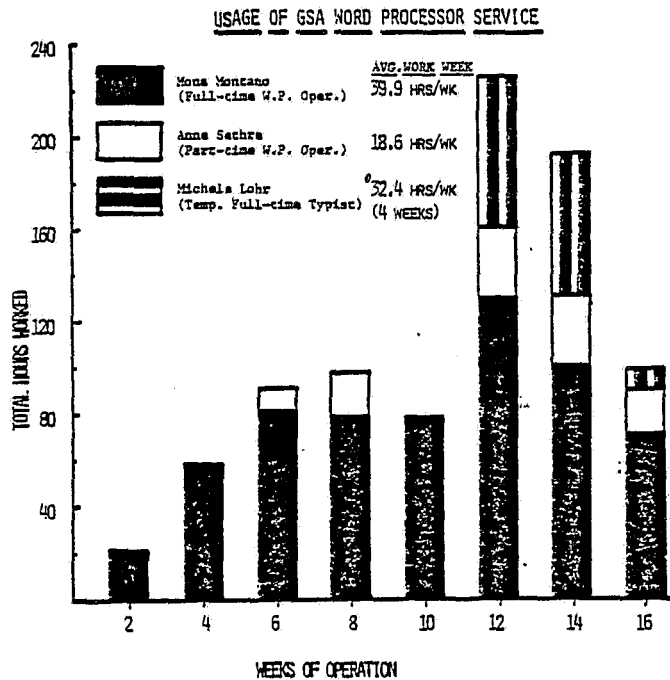
- 1 CPT 8000 Console
- 1 4408 Communications Package
- 1 Forms Tractor
- 1 Rotary VII Dual Head Printer (8/80)
- 1 Sound Hood
- 1 Context 1210 Optical Character Reader
- 8 Daisy Print Wheel (Variable type styles)
- 16 OCR element balls
- 2 IBM Selectrics

GSA Word Processor User Handbook

Table 1. Usage of GSA Word Processor Service

Departments	Number of Students	Word Processor Usage			OCR	
		Thesis/Dissertation	Resumes	Other		
Educational Foundations	2		1	1		
Chemical Engineering	1			1		
Biology	1		1			
Public Administration	4	3	1	1	1	
Medical Sciences	6	6			3	
HPER	1	1				
Law	1			1	1	
Psychology	2	2				
Art	6	5	1		3	
Architecture & Planning	1	1				
Mathematics	1	1				
Educational Administration	1	1				
Electrical Engineering	1	1				
Anthropology	1	1			1	
Chemistry	1	1			1	
TOTALS	15 Departments	30	23	4	4	10

Figure I.



This year represented a very strong and positive time of growth and new direction for the program. It began with the installation of an acting coordinator, Dr. Ann S. Nihlen. In the Fall, the central administration proposed some major structural changes, and by the Spring we were at the Faculty Senate requesting course numbers for the Program. The year ended with a rededication of the focus on the southwest and its women and to a major evaluation and development of a strong undergraduate curriculum.

In September Provost Hull proposed that the various Ethnic and Women Studies Programs house themselves within the College of Arts and Sciences rather than under his office. After many meetings with the Women Studies Committee and other interested members of the university community we responded that for Women Studies to remain as an interdisciplinary program we needed to remain under the Provost's office. In addition, we requested the development of course numbers for Women Studies, faculty rank for the Coordinator, as many joint appointments as we could for other faculty, and the eventual move toward a minor in Women Studies.

In January we met with the Provost and his staff concerning the specific request to develop course numbers for Women Studies. Present at this meeting were many advocates of Women Studies from throughout the University including Drs. Jan Roebuck (History), Jane Abrams (Fine Arts), Sandra Schwanberg (Nursing), Vera John Steiner (Educational Foundations), and Ms. Linda Estes (Director of Women's Athletics).

This was an important and historic meeting for the Program; it not only demonstrated our ability to proceed in institutionalizing the unit into the mainstream of academia, but also it showed a spirit of cooperation

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and joint effort from many segments of the university including the central administration. Out of the meeting came a proposal for the Faculty Senate for course numbers, a commitment to hire a person of professorial rank and title for coordinator, and the introduction of the minor as a serious proposal for the future. Women Studies emerged, strengthened and well supported, truly a strong position with which to begin its ninth year at UNM.

In April, the University Faculty Curriculum Committee, the Undergraduate Academic Affairs Committee, and, finally, the University Faculty Senate, approved the Women Studies proposal. In the past Women Studies had been dependent on friendly departments to offer courses we selected and paid instructors to teach. Though this system worked in many cases, in other cases it did not. The acceptance of the Women Studies proposal gave the program autonomy and was an affirmation of our academic credibility and strength. We will seek to continue to work closely with other departments and reaffirm our commitment to offering courses both in Women Studies as well as in other departments.

The first decisions about course numbers concerned four of our oldest courses. La Mujer Chicana and Introduction to Women Studies, both taught regularly since 1972, are offered under Womens Studies. Women and the Law stayed in Political Science and the Economics of Feminism stayed in Economics.

During the busy year we also invited several international speakers to Albuquerque. Both focused on Latin America; Ms. Margaret Randall on Cuba and Ms. Margarita Dalton on Mexico. They were able to bring a perspective on the women's movement in their countries to UNM, and the lectures were widely attended by both the University community and the Albuquerque community. In addition, both women spoke to individual

Women Studies classes as well as classes in other departments.

As a unit within the university we participated in the NCA accreditation process for UNM. This involved a self-study report from Womens Studies which formed part of the regular decennial accreditation review early in 1979.

In the Spring semester the Womens Studies Committee determined to offer three one-credit workshops to begin the process of deciding which areas of study could become full-fledged courses within the program. The workshops were entitled Third World Women; Race, Class and the Feminist Movement; and Heterosexism. They were very well received by students and instructors alike and will form the nucleus for the course proposals for next year to the University Faculty Curriculum Committee. We learned a great deal from this mini-series of courses and feel that this was an innovative and positive way to experiment with new course materials.

A major task of this year involved the hiring of a permanent Coordinator. This process began in the Fall with many discussions by the Women Studies Committee concerning the criteria for applicants. This person would help shape the future of the Program, and it was felt that we must be very careful and thorough in her selection. In addition, it was paramount that whomever we selected should be able to have faculty rank. This necessitated working with many departments to explain the procedure for selection. In February all the applications were received. From the large number of applicants we selected the top four who were to be flown in for the interview. One candidate was the Acting Coordinator, Dr. Ann S. Nihlen, who was selected as the permanent coordinator in May. She was to have a faculty, tenure-track appointment in the Department of Educational Foundations in the College of Education. As a founding member of the Womens Studies Program at UNM, she received her PH.D. at

UNM in 1976 and had taught for a year at the State University of New York campus at Buffalo. Her dissertation and publications all reflected her involvement and research interest in women and education.

In addition, Dr. Sally Dunn was hired as the half-time instructor. Dr. Dunn has worked for the program periodically for five years and was a welcome addition. The new part-time instructors hired reflect a strong bias for the Southwest as an area of study and the interdisciplinary nature of the Program.

The Acting Coordinator participated in several university committees including the Undergraduate Academic Affairs Committee, Women's Center Selection Committee for the new Director, and participated in the departmental meetings in Educational Foundations. In addition, she co-chaired the Women's Division of the Western Social Sciences Association and was the Rocky Mountain Southwest regional representative for the National Women Studies Association.

This Spring the Ford Foundation has been looking into the development of a center for the study of women in the Southwest and related issues. The center has been established and is called the Southwest Institute for Research on Women (SIROW). It will be directed by Myra Dinnerstein, located in Arizona, and funded for three years. We have helped in the documentation of its need and in providing backup services for the project. The Acting Coordinator has been asked to sit on its organizational board in the Fall of 1979.

Despite all the growth and the excitement generated by the Womens Studies program, the University reduced our budget in April by \$2800. This budget reduction necessitated our cutting two courses from the Program during a period of supposed expansion and certainly a time of good enrollments. The explanation given for the cuts involved alleged non-spending of some funds over the years by one or several units of

Ethnic and Women Studies Programs. We were greatly disappointed and have been requesting the return of the monies.

In May, Women Studies at UNM participated in the First Conference of the National Women Studies Association. Held in Kansas, six representatives from our Program, including students and the Coordinator, attended. It was a strong beginning marred only, but significantly, by the lack of participation of Third World Women. Our program was visible in our suggestions for improving the outreach of the National Women Studies Association.

In November the Acting Coordinator attended and participated in the Governor's Conference for Women in State Employment. The conference was held in Santa Fe and was a wonderful opportunity to meet many women and publicize the Program and UNM. In the Spring, the Coordinator also participated in the Albuquerque City Conference for Women in City Government. Again, this was an excellent time to learn and share information on UNM and Women Studies.

In summary, this has been an exciting year for the Program. We finally reached a long-term goal of course numbers and can begin the process of identifying and building a coherent and strong curriculum in Women Studies. We moved smoothly through the transition of Acting Coordinator to permanent Coordinator. And we began the process of moving the orientation of the program to include all women and to focus on the Southwest.

At the beginning of the ninth year Women Studies was able to blossom into a full-fledged academic unit with the establishment and growth of Program course numbers. This year was devoted to curriculum development, primarily at the undergraduate level but including graduate students as well. We now have eleven courses, some of them new, most of them old and established offerings.

We also began a process of change and renewal, a process which began the inclusion of all women within the community, with special emphasis on minority women. Minority women had always been involved in the program but in such small numbers that they often felt peripheral and that they had little impact upon the Program as a whole. We began by examining our governance, hiring procedures, and the content of courses, as well as the courses themselves. In each instance we dedicated our efforts to including all women. For example, in the area of hiring we increased our focus of announcing job openings to minority organizations, clubs and particularly to minority women's groups. The Coordinator actively sought out minority women by going to meetings, advertising widely, talking to everyone who expressed an interest in teaching and calling many minority women in the university for help in identifying potential candidates.

In course content we examined each course for sections on minority women and articles which talked about all women for use in the classroom. When interviewing prospective teachers we carefully discussed the focus of the Program and examined their proposed course syllabus for inclusion of women of color. For example, in the course Women Studies 200, Introduction to Women Studies, we wanted to make sure that minority women were discussed in each section or subject

302 area, i.e., psychology, history, and education.

In the governance of the Program it was fairly easy to see that minority women were not well represented. The Women Studies Committee meets bi-weekly each month of the academic year, and it was evident that there was never more than a third of the membership who were third world. The committee members actively recruited minority women from classes, from the Ethnic Studies Programs and from the university at large. We tried to impress them with our seriousness to take into account their perspectives and needs and to begin to incorporate their ideas into the program as an integral aspect.

We offered eighteen courses in 1979-80, three of which dealt exclusively with minority women, La Mujer Chicana, Black Women Writers and American Indian Women. The other fifteen courses all began to include integrated content on minorities in the country and particularly in the Southwest. From Introduction to Women Studies to Women and the Law and The Economics of Feminism to Sexism in Education, each incorporated this material into their syllabus. The feedback from students was very positive; minority women and white women have all learned new dimensions about themselves and each other and both felt strengthened in their knowledge about the Southwest.

Our efforts began to be successful in the areas of hiring and governance as well. As more minority women took an interest in the Program and began to investigate our avowals of inclusion, the Program began to grow and new energy was generated. We saw in the applications for instructor jobs that about half the applicants were minority women. By Spring, the Women Studies Committee was composed of fifty percent Third World Women from all parts of the campus.

This year also saw the establishment of the Women Studies Advisory Board, a Board requested by the Faculty Senate to work with the Women Studies Committee and have final approval on matters of curriculum and

hiring of instructors. The Board was composed of faculty involved in research on or about women from throughout the university (see list at end of report). This Board met for the first time in the Spring and was supportive of all recommendations from the Women Studies Committee. In addition, their enthusiasm and interest in the Program was exciting and we look forward to a good and supportive relationship with them.

In the Fall we instituted a Women Studies Curriculum Committee to oversee an orderly development of a sequential curriculum for the Program. This committee met often and made periodic reports to the Women Studies Committee. In addition, it took primary responsibility for the development of specific courses. During the year we created and took through the University Faculty Curriculum Committee nine courses whose titles are as follows: Women Studies 222, Race Class and the Feminist Movement; Women Studies 233, American Indian Women; Women Studies 234, Her Own Voice: Black Women Writers; Women Studies 324, Contemporary Feminist Theory; Women Studies 331, Third World Women; Women Studies 335, Heterosexism and the Oppression of Women; Women Studies 339, Women Abuse; Women Studies 386, Women and Sports (to be cross-listed with HPER), and Women Studies 460, the 14th Amendment. The previous year we had negotiated for the courses La Mujer Chicana and Introduction to Women Studies from various departments. This list of eleven courses represented almost entirely courses which had been taught in existing departments under the condition that when and if Women Studies got its own course numbers the courses would be moved to the Program or as experimental 1-credit workshop courses which gave us an idea about content and interest in the area. All were well received with the exception of Race, Class and the Feminist Movement and we are investigating ways of making this a more interesting course which will have more appeal to students.

In October we advertised an "Open Meeting on Curriculum" to give the university and city communities an opportunity to offer input into our proposed curriculum. At the meeting it became clear that simply asking for input into such a complicated area was insufficient and the Women Studies Curriculum Committee began to develop an overall listing of Women Studies courses we now offered and of proposed courses and why they would fit into the curriculum. We explained what we meant by a curriculum, that is, an organized and defined sequence of courses within a bona fide program. We hope that this organization of courses will eventually strengthen our chances for the development of a minor in Women Studies.

The budget cut of \$2800 by the central administration was very damaging to the Program. We had planned a set number and sequence of course offerings and it meant that two courses had to be dropped for the year. This limited us and though the Administration promised that the cuts were not permanent the funds were not restored this year. If the Program is to be encouraged to organize a coherent and sound academic program for students it must be guaranteed a budget from year to year. In this lean time for University budgets it is understandable that all units are held to past financial levels and it would be understandable if we had poor enrollments or mismanaged the funds given to us. However, neither was the case and despite repeated attempts on our part to have the money restored as promised, it was not.

This year we were happy to welcome to the campus the new Director of the Women's Center, Ms. Kathryn Brooks, a former acting coordinator of Women Studies at UNM. It has been a pleasant and extremely supportive working relationship this year and we have done many joint projects. Most notable is the establishment of a series of "Brown Bag Lunches" twice a month in the Women's Center. We have selected for this year

persons involved in research on or about women from the university and the community. They present their material in an informal and supportive atmosphere and the audience can ask questions and discuss the work. (see enclosed copy of series). It has been a wonderful opportunity for students, staff and faculty to work and learn together and in addition, community women often participated and exchanged information.

The closer ties with community women is enhanced by the monthly meetings at the YWCA sponsored by the New Mexico Commission on the Status of Women. This forum is an opportunity for women throughout the city and state to meet and exchange information on events and issues. Many exciting speakers are brought in from the Legislature, city government, organizations, and the university.

In November the Coordinator and several others in the Program were again invited to lead workshops for the Governor's Conference on Women in State Employment. As usual, it was good opportunity to meet and exchange information with many people throughout the state. In addition, later in the month the Coordinator presented a workshop to the women in the Department of Soil Conservation for New Mexico.

For several years many of us had discussed the development of a state-wide network on Women Studies and this Fall we were host to the first New Mexico State Women Studies Conference. Co-sponsored with us by the New Mexico Commission on the Status of Women and the Women Studies Certificate Program at Eastern New Mexico State University, it was held at UNM on November 1st. People came from throughout the state from Highlands, Portales, Las Cruces, as well as from high schools from several towns as well as Albuquerque. It lasted all day and included workshops on curriculum development, how to get a Women Studies course or Program at your school, a brief

history of our Women Studies Program (which is the only Program in the state), and ended with a potluck dinner for the out-of-towners. Next year Las Cruces (New Mexico State) will host the conference and the following year it will be held in Portales. It is off to a good beginning and has a promising future.

Women Studies always felt a commitment to offer courses in the evening for students who work during the day or have other obligations which do not allow them on campus in the daytime. To accommodate these students, we offer night courses Monday through Thursday, year in and year out. We are increasingly concerned, however, about campus safety for our predominately female students. This Fall several serious incidents of rape occurred over a short period of time. Mr. Barry Cox, head of Campus Safety, delivered a talk to the Faculty Senate in which he described the steps being taken to provide more safety for people at night on campus. However, we have not seen any significant changes in the campus to ensure the safety of female students and will review this matter periodically. We have a responsibility to our students to ensure some modicum of safety to and from classes, and the Women's Studies Committee is concerned about the present situation.

In the Spring we hosted the Women's Division of the Western Social Sciences Association annual meetings. In the Fall we sent out a call for papers, and over Christmas read the proposals and grouped them into tentative sessions. Graduate students involved with the Program helped several faculty members make all the selections and we proposed over 20 sessions, all of which were approved by the Program Committee of the WSSA. The meetings provided three days of intellectual stimulation and praise for our work as well. Many students participated at all levels and though it was a lot of work for the Program as a whole we learned a great deal and were able to encourage our own

graduate students to present half a dozen papers as their first venture into academic meetings.

The National Women Studies Association held its 2nd annual meeting in Bloomington, Indiana at the end of May and several members of the Women Studies Program attended. We had been asked as a Program to present a paper in the symposium "Minority Women in Women Studies". The name of the entire meeting was "Women Educating for Change". It was proposed at this meeting that the entire next conference be devoted to issues of Third World Women and this was accepted. Next year's conference will be entitled "Women Respond to Racism", a title which our Program heartily endorses.

In the Spring hiring we saw the progress we had made toward incorporating minority women into the Program. Almost half of the new part-time instructors are minority women and they will bring a strong orientation and content into the program. In addition, we re-hired our half-time faculty Dr. Sally Dunn and are happy to have her on board again.

In summary, this year has been a steady and growing one for the Program. We have been able to move on our commitment to minority women, we have developed a strong academic curriculum, and we have reached out to the city, state, and nation in our work. Next year we intend to focus on rounding out our curriculum and on seeking input from students and faculty concerning the development of a minor in Women Studies.

WOMEN STUDIES PROGRAM

ADVISORY BOARD

Jane Abrams
New Art Building 140
3220

Jan Roebuck
History
Mesa Vista 1113
4348

Anita Alvarado
Anthropology 144
5729

Sandra Schwanberg
Nursing/Pharmacy 240
2637

Gilda Baeza
Zimmerman Library
5761, Ext. 25

Jane Slaughter
History
Mesa Vista 2081
2246

Helen Bannan
American Studies
Humanities Bldg. 318
4125/3929

Vera John Steiner
Educ. Fdns.
Education 220A
4324

Charlene McDermott
Dean of Grad. Studies
Humanities Bldg. 553, Rm. 123
2711/3447

Ann Nihlen
Women Studies Program
3854/3855

Ernie Panigua
Zimmerman Library
Ethnic Studies Division

Anita Pheiffer
Elem. Education
Mesa Vista 2022
5061

Mary Power
English
Humanities Bldg. 357
3712

The Women's Center and Women Studies invite you to Discuss the Work of Women at the Thursday Brown Bag Lunches 12:00-1:00 in the Women's Center, 1824 Las Lomas N.E. Bring your lunch; coffee will be supplied. Discussion will follow short presentations.

Sept. 20th Sally Dunn, Instructor in Women Studies, "Feminist Fragments: Letters on Women Studies and the Liberal Arts."

Oct. 18th Kathryn J. Brooks, Director of the Women's Center, "Math Anxiety"

Nov. 15th "Talkin' Union" an oral history film about four Texas women and their union organizing activities in the years 1930-1960.

Topics to be announced for:
 January 17th
 February 14th
 April 17th

The Women's Center and
Women Studies invite you to
Discuss the Work of Women
at the Thursday Brown Bag Lunches
12:00 ~ 1:00 in the Women's Center,
1824 Las Lomas N.E. Bring your
lunch; coffee will be supplied.

Discussion will follow presentations.

- Feb. 14th Chicanas in Research
and Development.
- March 13th Networking for Women in
Math/Science/Engineering.
- April 10th Politics of Sterilization.

COURSE NUMBERS AND SEQUENCES FOR WOMEN STUDIES PROGRAM

NOVEMBER 1980

30-15

Science and Health

Women and Health (Nursing 307) to be WS 307

Women in Science and Engineering (Biology 402) to be WS 402

30-19

Historical and Social Studies

Experiences of Slavery (Econ. 249) to be WS 214

History of Slavery from 1789 (History 315) to be WS 315

Slavery of 1789 to Present (History 316) to be WS 316

History of Women's Rights Movement (History 330) to be WS 319

Evolutionary Development of Women (Ed Edna 593) to be WS 513

OTHER AND FUTURE COURSES TO CONSIDER: Woman Abuse
Women and Aging

30-21

Women's Rights Movement

Women, Slavery and the Women's Movement WS 222

Women's Rights Movement History WS 324

Other possible selections: Redefining Women

Cross list Classics of U.S. Fem. (Am. Std.
332)

30-22

Women's Literature

In Major Courses WS 232

Language, Literature, Soc. Sci. 332) WS can cross-list

Women, Slavery and the Oppression of Women WS 335

Slavery and the Oppression of Women WS 233

World Slavery and WS 332

Literary Development (see course at a future date 80-81)

The Black Woman (Am. Std. 312) cross list?

30-23

Women's Literature: Black Women Writers WS 234

30-24

Women's Literature: Black Women Writers WS 234The Black Woman's Literature courses with English
The Black Woman's Literature

The Report of The
DIVISION OF CONTINUING EDUCATION
AND
COMMUNITY SERVICES

July 1, 1979 - June 30, 1980

Dr. Rupert A. Trujillo, Dean

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DIVISION STAFF

Division personnel as of July 1, 1980, consists of the following individuals:

Rupert A. Trujillo	Dean
Patricia A. Hauser	Assistant Dean
Nathaniel Archuleta	Director, CDA/HSST
Daniel E. Atencio	CDA Field Trainer
Mary W. Bullock	Registrar
Victoria M. Burke	Clerical Specialist IV
Christina E. Calcutt	Clerical Spec. IV, CDA/HSST
Rosemary Chavez	Clerical Specialist IV
Terry Double	Program Specialist I
Audrey Esquibel	Clerical Specialist III
Mary Evilsizer	Clerical Specialist III
Marijo Fink	Director of Operations
Rena C. Griego	Department Secretary Eastern Valencia County Satellite Center
Juan Jaramillo	Custodian, Eastern Valencia County Satellite Center
Lorraine M. Gutierrez	Clerical Specialist V
Paul Hermanson	Clerical Specialist IV
Deborah A. Kane	Program Specialist II
Mary McNatt	Clerical Specialist IV
Carmen Maestas	Clerical Specialist IV

Sandra A. Martinez	Administrative Secretary
Reyes Mazon	Part-time Coordinator Eastern Valencia County Satellite Center
Ann L. Nelson	Director of Summer Programs
Anthony A. Oliver	Director of Credit Programs
Joyce Robbins	Conference Coordinator
Ronald S. Shibata	Accounting Manager
Deborah K. Suttie	Clerical Specialist IV
Roland H. Tovar	Director of Conferences and Institutes
Cynthia D. Turowsky	Clerical Specialist IV
Eva M. Valenzuela	Clerical Specialist IV
Joel A. White	Director of Community College

Terminations and/or Resignations

Annette Gurule, Clerical Specialist III, Spetember 1979

Lonnie Juarez, Coordinator, Eastern Valencia County
Satellite Center, December 31, 1979

David Lopez, Custodian, Eastern Valencia County Satellite
Center, August 1979.

Sara K. Reed, Clerical Specialist IV, December 1979

New Employees, Replacements and/or Changes

Terry Double, Program Specialist I, February 18, 1980

Audrey Esquibel, Clerical Specialist III, September 19, 1979

Mary Evilsizer, Clerical Specialist III, December 20, 1979

Paul Hermanson, Clerical Specialist IV, July 17, 1979

Juan Jaramillo replaced David Lopez, October 31, 1979

Reyes Mazon replaced Lonnie Juarez, January 1980

UNIVERSITY STANDING COMMITTEE

Continuing Education University Standing Committee membership comes from various academic departments. The functions and duties of the committee, which are found in the Faculty Handbook, are as follows:

The Continuing Education Committee has responsibility for formulating and maintaining the general policies regarding branch campuses, continuing education programs throughout the state, the non-degree program, the independent study program, and the Community College. The Committee is specifically charged with the study of proper objectives of junior college level academic programs which are or may in the future be conducted by the University of New Mexico, and the kinds of academic curricula needed to achieve these objectives. The Committee shall also be concerned with the policy and scope of the community services programs of the University, as well as the operational policies of the University properties associated with the continuing education and community services programs, and other matters worthy of attention pertaining to the operation of the division. The Committee evaluates budgetary policy and operation of the division and advises the Vice President for Academic Affairs on these matters. It is also a function of the Committee to advise the President in regard to any new appointment of a Dean of the Division of Continuing Education and Community Services.

Standing Committee membership for the 1978-79 fiscal year consisted of the following:

CHAIRPERSON

Laura Cameron, Mathematics

FACULTY REPRESENTATIVES

Pat Duphorne, Nursing

Myron Fink, Law

Richard Lawrence, Education Admission

Elmer Scholer, HPER

Rod Wagoner, Special Education

Roland Watkins, Pharmacy

Benita Weber, General Library

Joe Zavadil, English

EX-OFFICIO REPRESENTATIVES

Alex Sanchez, Associate Provost for Continuing
Education

Robert Weaver, Dean, Admission and Records

Rupert A. Trujillo, Dean, Continuing Education
and Community Services

Pat Hauser, Assistant Dean, Continuing Education
and Community Services

DEAN'S OFFICE REPORT

The 1979-80 fiscal year will be marked as one of the Division's most active and successful years. During this year several significant events were noted. Enrollments and activities increased in every area of Continuing Education. It will be noted that the Division's Bureau of Conferences & Institutes experienced a 44.5 increase over the previous year in the number of conferences, institutes, etc. administered.

As has been the case for the past three years, this entity continued to turn business away. Inadequate facilities and staff shortage were major considerations for this response. Fortunately, staffing has improved for the 1980-81 fiscal year. However, the Bureau's reliance on other UNM units for space and support will continue to hamper growth and efficient operations for this unit.

In spite of reduced level of funding, the Child Development Associate/Head Start Supplementary Training Project continued to deliver education and training to fifty-eight Head Start staff from New Mexico Head Start programs. As of this writing, UNM has been awarded for the third year, funds to conduct state wide training of Head Start staff. Three individuals were assessed and granted the CDA (Child Development Associate): a total of five protected students completed all requirements

for a B.A. or B.S. degree and were awarded degrees from New Mexico Highlands University; UNM and New Mexico State University.

The College Preparatory Program, as predicted, lost ground as a result of UNM's initiation of the Basic Studies program. From a 1979 high of 1136 students, enrollments dropped to 573 for 1980. Summer of 1980 found the program staff planning for an expanded version of PREP in order to (1) broaden the base of participation and (2) an attempt to bolster the enrollment. Should increased enrollments fail to materialize, the program may be phased out.

A major push from Continuing Education to expand credit offerings resulted in substantial gains. FTE's went from 227.37 in 1978-79 to a total of 285.3 FTE for 1979-80.

The future of credit programming for Continuing Education looks bright as more needs are identified. With added staff the Division's efforts at Digital Corporation and other in house training, enrollments should continue to increase.

Eastern Valencia County Resident Center continued on a steady-state regarding enrollments. During the spring of 1980, UNM was selected as the parent institution for the proposed Branch Community College by the two boards of Education--Belen and Los Lunas.

The Harwood Foundation under the capable leadership of James Levy continued to upgrade and increase its delivery services to Taos County residents. Once again, the Harwood received state funding. The prospect of receiving still another EDA grant for renovation of the Alcalde Building is still quite good.

Basic change in policy and procedures produced increased enrollment; decrease in costs per class and decrease in the number of cancelled classes and refunds for Community College. Overall enrollment increased by approximately 1000 for 1979-80 over the previous year.

Perhaps one of the most significant happenings for Continuing Education during 1979-80 was the formulation of short and long range goals for Continuing Education as a total unit and for each specific program. Up to this point considerable energy had been devoted to the organizational structure and reviewing of operating procedures and process. That part being fairly well in place, professional time was directed to revisit the Division's previously written statement of goals and missions. Thus, the staff moved to a long and deliberate discussion of proper goals and mission statements. The process resulted in the following:

The mission of the Division of Continuing Education and Community Services is to assist the University in its commitments by:

1. Facilitating access to University Educational activities, services, and resources for individuals not regularly enrolled at the University.
2. Extending University educational activities, services, and resources to regularly enrolled students.
3. Enriching the educational experiences available to participants by utilizing both physical and human resources of the community.
4. Developing a wide range of academic, vocational, avocational and cultural activities based on the needs and interests of the community utilizing University and community resources.

The goal of the Division of Continuing Education and Community Services is to bring together resources from appropriate disciplines which will help to define current and changing individual and community needs, and develop the curricula and instructional formats to provide educational offerings for individuals with varying backgrounds. This will be accomplished through traditional and non-traditional educational activities which may include but not be limited to: resident and extension credit courses, certificate programs, non-credit courses and courses offering Continuing Education Units, seminars, symposiums, workshops, conferences, independent study, college preparatory and less than four-year degree programs.

Finally the success which Continuing Education has again experienced is due to the fine staff--exempt and non-exempt--performance of daily tasks. The spirit of cooperation among most staff has been a joy to observe.

Filling the position of Associate Provost for Community Education, indeed, has served to address major issues facing Continuing Education at the University of New Mexico.

The support and cooperation received from many, many individuals from the many departments and colleges at UNM allowed the Division to be in a responsive mode to request for services.

By all means, without the community support, in many forms, the success of Continuing Education would not be possible.

Entonces, con todo cariño; a todos les doy un gran abrazo y mil gracias

BUREAU OF CONFERENCES, INSTITUTES AND SHORT COURSES

FIVE YEAR REPORT
FY 1975-76 through FY 1979-80

and

ANNUAL REPORT FY 1979-80

The Bureau of Conferences and Institutes (BC&I) is a principal component of the non-credit program functions under the Dean of the Division of Continuing Education and Community Services.

FIVE YEAR REPORT
FY 1975-76 through FY 1979-80

BC&I has now completed a five (5) year period of operation and has been undergoing a continuous process of in-depth analysis of its organizational format during the two most recent years. Significant efforts at improving the Bureau's overall structure were initiated during the First Half of FY 1978-79. Changes were made to include:

- A) a substantially increased volume of activities i.e., more conferences, workshops, etc.;
- B) development of a more precise system of budgeting activities and cost-controls;

- C) restructuring an effective marketing system centered on cost efficiency;
- D) defining progressive short and long term goals that are achievable through reasonable logistical support.

A careful analysis has been made of the diverse factors and activities that are a part of the Bureau's normal course of business. The composite data that follows accurately reflects the fluctuations that required attention.

	1st Half FY	2nd Half FY	Total Activ.	Activ. Growth*	Revenue Increase*	Total Particip.
FY 1975-76	19	19	38	---		----
FY 1976-77	23	24	47	23%	(14.6%)	2750
FY 1977-78	18	12	30	(36%)	43%	2522
FY 1978-79	8**	26**	34	13%	(37.7%)	1605
FY 1979-80	27**	42**	69	102%	44.5%	2527

() Denotes Decrease
 * Over Previous Year
 ** Restructuring Implemented

ANNUAL REPORT FY 1979-80

Activities this year more than doubled compared to FY 1978-79. The total number of participants increased to 2,527 compared to 1,605 in 78-79. The average number of participants per activity increased to sixty-four (64),

CONFERENCES, INSTITUTES AND SHORT COURSES

<u>DATE</u>	<u>TITLE</u>	<u>PARTICIPANTS</u>
July 8-14	Business Week	125
July 29-August 4	Jobs for Hispanic Americans	227
July 30-August 10	Real Estate Appraisal	57
August 4-7	Cosmetology -- 3.1 CE Units	23
August 9-10	In Situ Energy Recovery -- 1.5 CE Units	135
August 10-11	N.M. Association of CLU's	47
September 8-9	The Commercial Artist -- 1.6 CE Units	32
September 12-December 29	Open Math	49
September 21	Elder Hostel Organizational Meetings	12
September 22-23	Illustration Techniques	26
September 28	Retirement Benefits ¹ -- .5 CE Units	
October 6-7	Fashion Illustration -- 1.6 CE Units	9
October 18-19	National Science Foundation Short Course I	18
October 20-21	Professional Cartooning	12
October 26-27	Management Workshop Series -- 1.5 CE Units	11
October 26	N.M. Historic Bldg. Inventory Workshop ³	
November 9-10	N.M. Association of Family Therapists -- 1.1 CE Units	47
November 15-16	National Science Foundation Short Course II	18
November 17	N.M. Association for Community Education	40

DATE	TITLE	PARTICIPANTS
November 26-30	I.R.S. Tax Practitioners -- 4.8 CE Units	109
November 29-30	Your Image In Print -- 1.1 CE Units	28
December 1	Financial and Tax Planning for Physicians and Dentists	54
December 1-2	Commercial Art II -- 1.6 CE Units	21
December 7	Management Workshop Series -- .7 CE Units	28
December 14-16	Single Again Adult ¹	
December 18-20	Coping With Loneliness ¹	
January 9-10	5th Annual Land Surveying -- 1.4 CE Units	101
January 12-13	Commercial Art I -- 1.6 CE Units	25
January 25-26	Management Workshop Series -- 1.5 CE Units	16
January 26-27	T.V. Video	14
January 31	Stress Management for Executives -- .6 CE Units	14
February 9-10	Advanced Illustration -- 1.6 CE Units	13
February 20-24	Expanded Duties in Restorative Dentistry ^{1&2}	
March 1-2	Package Graphics -- 1.6 CE Units	4
March 3-4 & 6-7	National Science Foundation Short Course III	21
March 7	Management Workshop -- .7 CE Units	23
March 15-16	Commercial Art II -- 1.6	13
March 17-18	Beech Aircraft	70
March 17-18	Color Photography -- 1.6 CE Units	14
March 17	Passive Application of Solar Energy ³	
March 22-23	The Artist Goes to Market -- 1.6	21

DATE	TITLE	PARTICIPANTS
March 24-28	Motor Fleet Supervisors Training ¹	
March 25-27	Fish and Wildlife Management	30
April 3-4	Legal Descriptions and Survey Boundary Control -- 1.4 CE Units	54
April 6	Albuquerque Leadership Conference -- .8 CE Units	10
April 15-May 1	Japanese Culture Symposium ³	
April 18	Management Workshop Series -- .7 CE Units	21
April 18-19	Family Therapy ¹	
April 19-20	Advanced Product Photography -- 1.6 CE Units	10
April 21-23	Photojournalism -- 1.6 CE Units	7
April 25-27	Congregational Church Workshop	250
April 26	Stress Away	14
May 3	Stress Away ¹	
May 6	Albuquerque Leadership Conference -- 1.6 CE Units	10
May 10	Energy Alternatives Workshop ¹ --- .6 CE Units	
May 10-11	Package Graphics -- 1.6 CE Units	4
May 12-14	Product Photography -- 1.6 CE Units	7
May 13-15	Title I Directors Meeting	35
May 16	Management Workshop Series -- .7 CE Units	18
May 25-28	National Environmental Educators	250
May 31	Cosmetology ¹	
June 1	Summer Guitar ¹	

DATE	TITLE	PARTICIPANTS
June 1-5	Earth Bldg. Materials ³	
June 2-5	Disabled American Indians	80
June 8-20	Real Estate Appraisal	36
June 11-18	Unitarian Universalists Association	12
June	Albuquerque Leadership Conference -- 1.6 CE Units	10
June 22	Embroiders Convention	180
June 26-27	Indian Health Services Workshop	12

¹insufficient enrollment

²cancelled by UNM Bureau

³cancelled by co-sponsor and UNM Bureau

an increase of two (2) over FY 1978-79.

Activities are itemized below according to date, title and Continuing Education Units (CEU's) awarded. Specific information pertaining to the growth of Continuing Education Unit courses and activities is summarized and presented after the activity report that follows.

OTHER UNM APPROVED CEU ACTIVITIES

<u>LOG NO.</u>	<u>DATE</u>	<u>TITLE</u>	<u>CEU's OFFERED</u>
0925	June 15	Psychosynthesis Professional Training Program	4.5
0936	July 20	How to Get There from Here	.7
0937	August 3	Grantsmanship and Proposal Writing	.7
0938	August 13	Evaluation and Program Development	.7
0939	August 24	Management Audit of Your Organization	.7
0940	September 14	Public Policy into Managerial Action	.7
0942	August 16	4th Annual Sexuality Seminar	1.25
0943	August 6	Symposium on "The Learning Tree"	3.0
0944	July 27	Guided Imagery in Counseling	1.0
0946	August 22	Financial Essentials for Non-Fin. Mgrs.	2.0
0954	September 17	Personnel Effectiveness Within Your Organization	1.0
0955	December 5	5th Annual State Housing Conference	1.6
0956	September 4	National Association of Legal Secretaries-Basic	5.4
0961	September 10	Managing People	2.0
0962	September 28	Retirement Plans from Employee's Viewpoint	.5
0964	September 13	On Behalf of Infants and Their Parenting	1.5
0972	November 12	Pressure and Stress Management	
0973	Sept. 17-Oct. 17	V.I.D.A.	2.0
0974	October 15	Women in Management	1.0
0975	September 21	Guided Imagery in Counseling	1.0

LOG NO.	DATE	TITLE	CEU's OFFERED
0976	October 5	Psychosynthesis Professional Trng. Progr. Sem. I	4.5
0977	October 19	Psychosynthesis Professional Trng. Progr. Sem. II	4.5
0978	October 27	A Genetic Disease Workshop-Sickle Cell	.5
0979	Varies	Lifeline: Crisis Intervention Training	1.0
0981	October 11	Helping Young Children and Their Parents	1.4
0988	December 6	The Human Dimension of Education	1.4
0989	January 17	Helping Children and Parents Deal With Hospitals	1.3
0990	December 1	N.M. Skin Cancer Project Conference	1.0
0992	November 3	Albuquerque Antique Dealers	.6
0993	December 12	80's New Perspectives in Human Resources	2.0
0994	November 28	Managing Technical Project	2.0
0995	November 12	Career Planning for Management Series	1.0
0996	February 7	Passive Solar Workshop	1.6
0997	December 6	Media	.4
0998	March 15	Community Education Trng. for Bi-State Soc. Serv.	7.0
0999	January 9	Crisis Intervention Workshop	3.0
1001	January 22	Improving Leadership Skills	2.0
1002	January 31	Basic Management Program	4.5
1008	January 25	Counseling Young Adults on VD & Pregnancy	.6
1009	January 17	National Convention: National Assoc. of Jazz Ed.	1.0
1010	February 11	Orienting the New Employee for Effectiveness	1.0

LOG NO.	DATE	TITLE	CEU's OFFERED
1011	January 26	Heart Health Education	.6
1014	April 8	V.I.D.A.	2.0
1018	February 26	Time Management and Effective Delegation	2.0
1019	February 15	Program Approaches for Early Child Assessment	1.0
1020	March 27	Juvenile Justice System	1.3
1021	February 28	Cross-Cultural Aspects of Working with Children	1.4
1022	March 17	Workshop for Exec. Secretaries & Admin. Assistants	1.0
1023	March 14	Organizational Development	.7
1024	March 6	Management Effectiveness Workshop	1.3
1025	March 25	Strategic and Long-Range Planning	2.0
1026	March 13	Sexuality and the Mentally Retarded	.6
1027	March 14	Sexuality and the Mentally Retarded	.6
1028	April 9	V.D. & Vaginists Workshop for Non Clinicians	.6
1029	April 19	Frisbee Disc Activities for Elementary Schools	1.6
1030	March 20	Peer Information	1.0
1031	March 14	Bowel & Bladder Trng. for the Devel. of Disabled	.7
1032	April 25	Guided Imagery in Counseling	1.0
1033	March 7	Psychosynthesis Professional Training Program	4.5
1035	December 14	Program Costs	.7
1037	April 15	Fundamentals of Modern Personnel Management	2.0
1038	April 9	Management Facilitator: How to Integrate Training with Management	1.3

LOG NO.	DATE	TITLE	CEU's OFFERED
1040	April 15	Principles of Fund Accounting	2.1
1042	May 6	Marketing Management Tools for Growth	2.0
1043	April 27	Prevention: Working With the Schools	2.5
1044	April 21	Physically Disabled and Sexuality	.8
1045	March 10	Managing	.9
1046	June 18	Budgeting and Financial Management	1.5
1047	May 1	Leading	1.3
1048	May 19	Women in Management	1.0
1049	June 10	Native American Management Training Seminar	2.1
1061	May 27	Managing Technique Projects	2.0
1062	May 21	Marketing for Non-Profit Organizations	.7
1063	June 2	Matching Management Skills with Management Style	1.4
1066	June 11	Enamel Workshop	1.0
1069	June 2	Workshop in Expanded Skills for School Nurses	4.0
1070	June 6	Teaching Sex Education to the Mentally Retarded	.68
1071	June 16	Business English Skills	2.4
1072	March 1	Communicating	1.4

CONTINUING EDUCATION (CEU) PROGRAM

The University of New Mexico Continuing Education Unit (CEU) Program is administered by the Dean of Continuing Education through the Bureau of Conferences, Institutes and Short Courses.

CEU's give recognition on a national basis to individuals who seek to continue their education or update their chosen fields and individual skills through participation in UNM sponsored non-credit programs.

One CEU is defined as ten (10) contact hours in an organized continuing education experience that has been approved by the UNM CEU Committee prior to the scheduled activity: ten contact hours result in 1.0 C.E. Units. The U.S. Office of Education's HEGIS course numbering system is used for the purpose of national CEU transferring.

The Registrar of Continuing Education maintains records of CE Units earned and furnishes to a participant, or his designee, upon request, an official transcript of units earned through UNM.

The following groups of individuals were awarded C.E. Units through the Division:

Bureau of Conferences and Institutes	838
Community College	546
Summer Programs	16
Other UNM approved activities*	<u>224</u>
Total no. of individuals issued CE Units by Cont. Ed. FY 1979-80.	1624

*Not related to medical CE Units issued from other UNM Departments.

Child Development Associate
Head Start Supplementary Training Project

The Child Development Associate CDA/Head Start Supplementary Training (HSST) project was funded through a contract from Region VI in Dallas, Texas to provide services and training to Head Start grantees throughout New Mexico. The original contract was granted in August of 1978 and was to be extended by the Government exercising the option to continue for a subsequent second year. The Government did exercise the option to continue for the period August 1, 1979 through July 31, 1980. There were some differences in the scope of work from the original contract. The 1979-1980 contract was reduced 50% both in funding and in the number of trainees to be trained during the one year period. The funding level was \$62,973. for the training of 58 Head Start staff from New Mexico Head Start programs. The major reason for the reduction in scope of work for this contract was the lack of funds on a national scale for CDA/HSST training.

The Child Development Associate Training program provided competency based training to forty-six Head Start employees, throughout the state of New

Mexico. An additional fifteen (15) other Head Start employees, classified as protected, also took an average of six (6) hours of course work toward their degree program during Fall and Spring semesters. In all a total of sixty one (61) Head Start staff were involved in the training program during both Fall 1979 and Spring 1980 semesters.

The training for CDAs during these semesters was individualized and concentrated in the competency areas in which each trainee would have the opportunity to earn six (6) semester hours and would eventually be able to demonstrate high skills and competence. The following are the core competencies which CDAs must acquire for working with young children 3-5 years of age in order to be found competent and successful in the training program:

1. Set up and maintain a healthy learning environment;
2. Build positive self-concepts and individual strengths in children;
3. Advance children's intellectual and physical competence;
4. Organize and sustain the positive functioning of children and adults in a group learning environment;
5. Bring about optimal coordination of home and center childrearing expectations and practices;

6. Carry out supplementary responsibilities related to the children's program (e.g. planning with other staff and attending to management functions);

(additional competencies required for staff working with bilingual/multi-cultural children)

7. Comprehend and communicate with children and adults in both English and the participants primary language.
8. Support the child's ethnic identity and self-concept by making cultural experiences as integral part of the daily program and supplemental activities.

All of the above content areas were addressed through on-site individualized work, seminars, resource people, specific assignments and through other course requirements made by the CDA field trainer. CDA trainees had the opportunity to register for six (6) hours of University credit for each of the two semesters. During Fall 1979 semester forty-six (46) students were registered for other courses applicable toward their protected degree. In Spring of 1980 forty-five (45) were in CDA training and fourteen (14) were "Protected Students" taking courses. Head Start employees participating in both HSST and CDA training earned a total of five hundred twenty five (525) semester hours for both Fall and Spring semesters. These trainees also earned a total of seventy-five (75) semester hours during the Summer

1979 session. A total of six hundred (600) semester hours was earned during this program year.

During the 1979-1980 program year there were very few CDA trainees assessed and credentialed by the National CDA Consortium. The National CDA Consortium was not funded therefore on a national scale few CDA candidates were assessed. In New Mexico three (3) of our trainees were assessed, found highly competent and received their CDA credential. Many more would have been assessed if the assessing agency would have been in operation throughout the year.

During Fall 1979 and Spring 1980 five (5) of the "Protected Students" completed all of their requirements and received their BA degree. Three (3) "Protected Students" received their BA degree from Highlands University, one (1) from the University of New Mexico and one (1) from New Mexico State University.

Table I provides information about the CDA program, the number of trainees contracted for, those registered and credit earned during the program year.

A breakdown of those Head Start programs which participated in CDA/HSST training is provided on Table II. As can be seen from the list provided, programs from throughout the state of New Mexico participated in the training program. Specific information on each Head Start program is presented to illustrate the extensiveness of the program in offering CDA training opportunities to all New Mexico Head Start grantees.

The CDA/HSST program, during the 1979-1980 program years continued to deliver a much needed service to those Head Start grantees in New Mexico to assist them in achieving National compliance. Many improvements and achievements are becoming obvious because of the intensity of this competency based Child Development Associate training program. The CDA/HSST program has provided Head Start teachers and teacher aides an excellent opportunity to become more skilled in their role as teachers working with young children. The program has maintained a high quality training process which has become evident as trainees are assessed and are rated excellent in their credentialing process.

TABLE I

Summer, 1979

Fall, 1979

Spring, 1980

	CDA	PROTECTED	CDA	PROTECTED	CDA	PROTECTED
Total number of trainees contracted for	--	--	36	22	36	22
Number of trainees registered	10	10	46	15	45	14
Number of trainees completing session	9	7	45	15	45	14
Average number of credits for which students are registered	5.5		5.5		5.5	
Average number of credits completed by students	4.1		5.05		3.8	
Total number of credits earned by all students	75.25		303		222	
Total number of trainees determined competent and exited this session	--		1		2	

Table II

Head Start Program	CDA Trainees	Protected Students	Credit Earned	Credentialed CDA's	Graduated
Albuquerque	4	-	33	-	-
Chavez Co.	2	-	12	-	-
Dulce-Jicarilla	-	1	12	-	-
East Las Vegas	3	2	39	-	1
Eastern Plains	3	-	18	-	-
Eddy Co. (Artesia)	2	5	76	-	-
Eddy Co. (Carlsbad)	1	3	45	-	1
Eight Northern	2	-	6	-	-
El Grito	3	-	15	-	-
Isleta	3	-	18	-	-
Laguna	0	2	3	1	1
Midwest	6	1	69	-	-
San Juan	3	-	24	-	-
Sandoval Co.	1	-	15	-	-
Santa Fe	3	-	51	-	-
Sierra y Llanos	2	-	24	2	-
Six Sandoval	-	5	6	-	-
Ojo Caliente	6	2	100.5	-	2
West Las Vegas	2	1	33.75	-	-
	46	22	600.25	3	5
Total Individuals Participating	68				

The Report of The College Preparatory Program
July 1, 1979 - June 30, 1980

The College Preparatory Program is designed to assist persons who are denied admission to the University of New Mexico because of academic and/or subject matter deficiency or for anyone (18 years and older), regardless of educational background; who wishes to improve or review his/her academic skills.

With the initiation of the Basic Skills Program at UNM in the Fall 1979, and with the conditionally admitted student no longer entering the College Preparatory Program, a decrease in College Prep enrollment of nearly 70% in Fall 1979 and Spring 1980 occurred.

The remaining student population, composed primarily of students who had been denied admission to UNM and a few continuing students, could not support the program financially. Additionally, the program was neither designed for nor marketed to the general population, and could, therefore, not rely upon an increase in enrollment from that population.

Total Enrollment Statistics, FY'76 - FY'80

<u>FY'76</u>	<u>FY'77</u>	<u>FY'78</u>	<u>FY'79</u>	<u>FY'80</u>
(343)	(268)	810	1136	573

Course Statistics (Actual Courses), FY'78 - FY'80

	<u>FY'78</u>	<u>FY'79</u>	<u>FY'80</u>
Summer	7	5	6
Fall	22	30	15
Spring	17	18	9
TOTAL	46	53	30

Beginning in the Fall, 1980, the College Preparatory Program will be "repackaged" to increase its marketability to the general public, in order to broaden the population base.

Although the basic core courses will remain intact, title changes will be made, along with the addition of peripheral courses from the general academic skills areas.

This increase in enrollment for the general population will, with financial consideration aside, broaden the cultural base of the program and strengthen the learning environment.

CREDIT CLASSES

Any course listed in the University of New Mexico Bulletin, catalog issue, may, subject to appropriate approval, be offered for credit through the Division. The Division obtains approval from departmental chairpersons for all courses to be offered for credit. Approval of teaching faculty is obtained by the Division from the departmental chairperson, and if necessary, from the Dean. However, obtaining approval from the Graduate School for a person to teach at the graduate level is a departmental responsibility.

The need for a credit course may be identified in several ways: an employer may desire to have employees take a certain course; an instructor may wish to teach a certain course off campus; or Division personnel may identify a need. Course requests may be directed to the appropriate academic department, the appropriate college, or to the Division of Continuing Education and Community Services. Regardless of the initial contact, the Division is notified of the request and all coordination is accomplished by the Division.

Starting with the Summer Session of 1977, an effort was made to have credit courses offered through the Division in Bernalillo County considered resident credit. Division personnel coordinate registration for Resident

Extension/Extension classes. Registration may occur on site or through the Division office and in some cases through normal registration channels. Registration forms and admissions applications are sent to the UNM Registrar and fees are sent to the UNM cashier. The students are then treated as regularly enrolled students with grades reported in the normal manner. The Division has encountered some problems in adapting to the rigid requirements of the total system, however, many of the problems have been minimized by close cooperation with other campus offices. Substantial progress has been made in refining this mechanism.

Those credit courses offered outside of Bernalillo County are still considered to be extension credit and all registration, fee collections, and grade reporting are accomplished by the Division.

The general policy this Division has followed is that credit courses will be established anywhere that sufficient demand warrants. The figures listed in Table I indicate; number of classes, each term, number of students in classes offered each term, and number of student credit hours produced each term during the Summer Session of 1979 through the Spring Term of 1980. Enrollments are broken into resident and extension categories. As compared to the previous year enrollments are markedly up in the resident category which reflects a major effort by the Division to make this the major credit priority.

TABLE I

	<u>Number of Classes</u>	<u>Number Students</u>	<u>Student Credit Hours</u>
Summer '79			
Extension Courses	58	604	1268
*Resident Courses	37	504	1128
Fall '79			
Extension Courses	28	375	
*Resident Courses	57	947	1805
Spring '80			
Extension Courses	40	564	962
*Resident Courses	65	1175	2555
<hr/>			
1979-80 Extension (Subtotal)			
	126	1543	3071
1979-80 Resident (Subtotal)			
	159	2626	5486
<hr/>			
1979-80 Total	285	4169	8557
<hr/>			
1978-79 Extension (Subtotal)			
	158	2104	Not Computed
1978-79 Resident (Subtotal)			
	67	910	" "
<hr/>			
1978-79 Total	225	3014	" "

*Eastern Valencia County Resident Center not included.

TABLE II
FTE STATISTICS

Year	Summer	Semester I	Semester II	Total
1974-74	85.1	167.4	201.9	227.2
1975-76	120.9	138.3	183.0	221.1
1976-77 X	130.4	112.1	149.1	195.8
1976-77 R	43.8	88.9	82.0	107.4
1976-77 T	174.2	201.0	231.1	303.2
1977-78	213.47	145.2	241.3	300.0
1978-79	170.4	120.4	216.4	227.37
1979-80	159.7	176.4	234.4	285.3

1974-75 was the first year for which FTE statistics were reported. FTE by semester is calculated by dividing the total student credit hour production by thirty (30).

This past year a total of 285 classes were offered to 4,169 individuals.

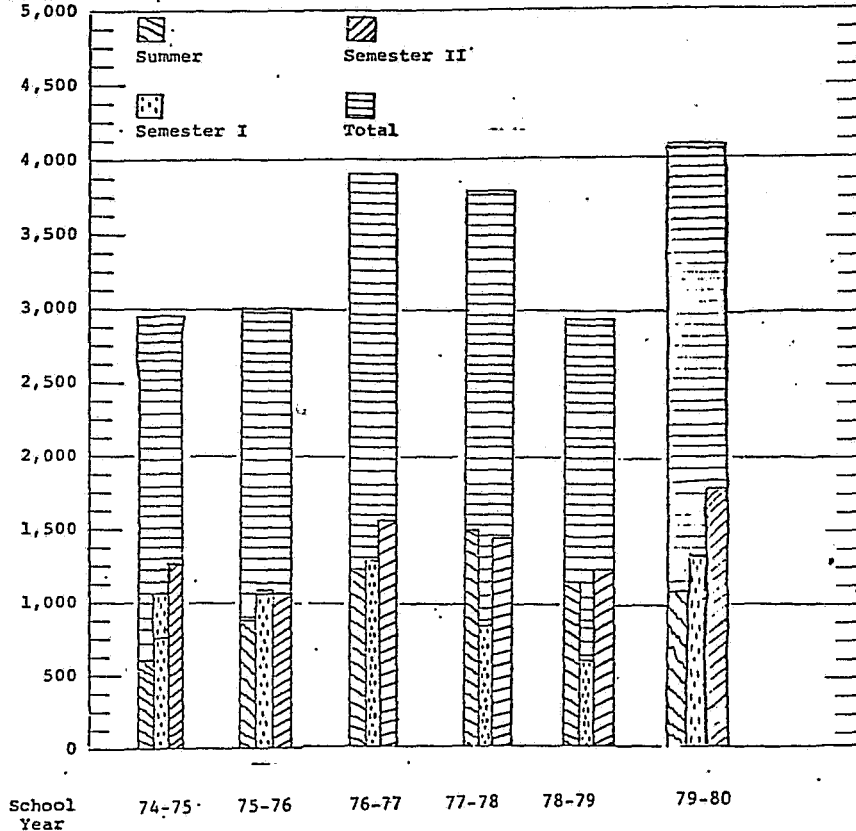
However, to get a true picture of the total number of individuals served in credit courses by the Division and off-campus, one must take into account all activities of others who offer courses off-campus. Prior to the establishment of the branch colleges, all credit work performed off-campus was by extension. All lower division work in the branch area is now performed by the branches with upper division work by extension. Several years ago, 1974-75, Teacher Education Centers were estab-

lished at various locations for upper division (and lower division, in some cases) resident credit work off-campus. Many of the students who are enrolled in Teacher Education Centers were, in the past, enrolled as extension students. Also, in 1975-76, Graduate Resident Centers were established in Santa Fe and Los Alamos. Many of the students enrolled in the Graduate Resident Centers were previously extension class students.

Therefore, when all aspects of the Division's activities of others in credit activities is considered, it is readily apparent that the service to the off-campus community has increased tremendously.

Enrollment for Credit Classes
for Last Six Years

No. of
Students
5,000



*Total includes Resident Students

EASTERN VALENCIA COUNTY SATELLITE CENTER

During the 1978 Spring Semester, Central Administration asked the Division to prepare a plan of action which would respond to Valencia County residents' request for delivery of educational activities in that county. Accordingly a plan to provide students with a college transfer program equivalent to the first two years of a four-year program was presented and accepted.

The plan called for development in three phases. Phase I was concerned with need assessment of post-secondary educational needs in the Eastern Valencia County area. Phase II was described as implementation of year one and Phase III would be second year of operation.

During March of 1978, a series of meetings were conducted to give shape and form to the plan. A planning phase budget of some twenty-two thousand dollars was provided by Horizon Communities Improvement Association (\$13,000) and the University of New Mexico (\$8,663). The planning went into full swing with a need assessment, planning a fund drive for year I, identifying a facility, identifying potential instructors; locating and moving furniture, equipment and so on.

All this resulted in a facility of 10,000 square feet, nearly rent free for one year provided by Horizon

Incorporated, moving of furniture, a fund drive which netted some eighty thousand dollars raised by local effort. A large, representative advisory board was named. From the onset, the Belen Chamber of Commerce provided extensive support.

Fall of 1978 found UNM, UNM Division of Continuing Education and many individuals from Eastern Valencia County tired, but elated as the educational center took its first breath. Here, alive was an almost impossible dream come true.

During the fall semester, a total of 22 courses primarily from Arts and Sciences were offered to some 160 students for a total of 807 SCH.

Spring of 1979 enrolled approximately 185 students in 34 courses (again, mostly from Arts and Sciences) for a total of 946 SCH.

The summer session of 1979 experienced a significant drop in enrollments. This was not necessarily unexpected since approximately 87% of the students attending were adults. Adults carry a number of responsibilities other than being students. A massive public relations effort was mounted during the 1979 summer in hopes of increasing enrollments for year two. A major impact is the fact that UNM and NMSU entered into a joint agreement whereby students from Eastern Valencia County will be able to enroll in specific NMSU courses. UNM will carry these courses on UNM official transcripts.

The status of the center was changed in Summer of 1979 to resident center status so that students would acquire resident credit. The 1979-80 operation of the center showed a steady state enrollment as shown in Table I. Under resident center status the center received minimal state support and there was no mechanisms to obtain on going local financial support. During the year every effort was made to minimize administrative overhead for the center by handling most functions from the Division. Past enrollment for the center appears below:

	Courses Offered	Student Credit Hours
Fall 1978	22	807
Spring 1979	34	946
Fall 1979	30	816
Spring 1980	32	829

In May 1980 the Eastern Valencia County High Education Steering Committee working with the Los Lunas and Belen School Boards formally began action to transition the center to a Branch Community College. In July of 1980 U.N.M. was formally selected as the Parent Institution. A Branch College Proposal is currently being developed in the Associate Provost's Office.

THE REPORT OF THE HARWOOD FOUNDATION
OF THE UNIVERSITY OF NEW MEXICO, TAOS, N.M.

July 1, 1979 to June 30, 1980

THE HARWOOD ADVISORY BOARD

Arthur Adair
Vivian Barnes
Lucy S. Cruz (Chair)
Cliff Harmon (Vice-Chair)
Van Dorn Hooker
Otto M. Pitcher
John Roush
Meg Salman
Cecilia Torres
Rupert A. Trujillo
Peppy Woodard

THE HARWOOD LIBRARY COMMITTEE

Shirley Bogs
Lucy S. Cruz
Bonifacio Fernandez
Bridget Gallegos
Carolyn Hensley
Eleanor Huff (Treas.)
Michael Knight
Paty Navarrete
Orlando Ortiz (Chair)
Grace Parr
Rebecca Romero
Jeri Vargas (Secretary)

HARWOOD PERSONNEL

Sara Blair	Children's Librarian
John Flexner	Librarian
Dixie Gillette	Sect./Treasurer
Juanita Jaramillo-Lavadie	Oral History Project Dir.
James Levy	Director
Catherine Logue	Children's Librarian
Gilbert Luhan	Custodian
Carmen Medina	Librarian
Tracy McCallum	Librarian
Victoria Plata	Outreach Librarian
Carlos Rendon	Maintenance
Wayne Rice	Caretaker
David Witt	Curator/Registrar
Elizabeth Wolf	Secretary

Juan Navarrete hired 7/2/79
Elizabeth Wolf hired 7/2/79
Joe Ray Romero laid off 7/2/79
Sara Blair hired 8/20/79
Cindy Griego rehired 9/10/79
Juan Navarrete released 10/12/79
David Witt hired 10/23/79
Catherine Logue hired 1/2/80
Victoria Plata hired 1/2/80
Cindy Griego resigned 1/11/80
Gilbert Luhan hired 1/14/80
Juanita Jaramillo-Lavadie Hired 5/19/80

DIRECTOR'S REPORT

The renovation that was completed in September of 1978 has enabled the Harwood to begin to realize its potential as a cultural center. The museum hired its first curator in July 1979 and has taken important steps towards becoming a professional and service-oriented museum. The collections have been carefully inventoried and catalogued. With the exhibit of Joseph Imhof's drawings, the museum began its first year of changing exhibits and will from now on plan a series of exhibits on an annual basis.

The library and the children's library are used by more people and a greater cross-section of the population. Book circulation has increased from 41,253 last year to 51,058 this year. The outreach program reaches some of the outlying villages and could be the first step towards county-wide services.

The Harwood Oral History Program began in May 1980 when Jim Levy and project director Juanita Jaramillo-Lavadie received a week's training in the techniques of oral history. This 18 month program will record one phase of Taos history, and should be the beginning of a comprehensive oral history of Taos.

Finally, the galleries upstairs have become increasingly popular for use by community groups to

hold plays, films, concerts, meetings and other activities.

The next step for the Harwood is the renovation of the Alcalde building, which will house the curator's office, a museum workshop, classrooms and meeting rooms, and art storage.

MUSEUM AND AUDITORIUM

The 1979 Taos Arts Festival Retrospective Exhibit was displayed October 1-7. Louis Ewing's lithographs were on exhibit during the month of April. Eighteen panels of text and photos about the life and work of Albert Einstein were displayed May 19-June 6. An exhibit of Lib White's paintings was on display June 16-July 11, 1980.

Curator/registrar David Witt inventoried all of the collections and laid the groundwork for a systematic catalog of the collections. He also revived the Taos artists' biography project, which is to provide a documented history of Taos art from its beginnings in the 1890's to the present.

The Harwood was the host for the 12th annual meeting and conference of the New Mexico Association of Museums May 23-24.

The museum galleries are used also as meeting rooms, classrooms and an auditorium. In 1979 these spaces were used as follows:

Classes: Eight series of classes, including Spanish (5), Real Estate Financing, Plant Use and Identification, Aesthetics Institute

Concerts: Seven

Plays: Three (one adult, two childrens)

Poetry readings: Eight

Lectures: Eight

Memorial Service: Louis Ribak

Workshops: Ten

Films: Thirteen

Slide Show: Six

Meetings: Thirty-one

The rooms were used 146 times in FY 1979-80 for these activities.

LIBRARY

The hours of the library were increased from 42 to 47 in May. It continues to be open six days a week and two evenings. It also has continued its regular AM radio program.

In 1979-80 the outreach program under Victoria Plata was expanded to include the jail, hospital, detox center, juvenile detention center, Taos Senior Citizens, Pueblo Senior Citizens, homebound people, two pre-schools and outlying village schools.

An information directory containing the functions, addresses and officers of Taos area agencies, clubs and organizations was created for use by library patrons.

An exhibit of books about ecology and farming was displayed in the library to celebrate Earth Day in May, and a series of children's art was exhibited in the

children's library throughout the year.

The children's library offered children's programs once a month during the school year and every Saturday during the summer months of both 1979 and 1980. These include music, painting, clay modelling, flag making, dance, films, games, story telling and many others.

	1977-78	1978-79	1979-80
Registered borrowers	4,693	5,754	5,780 ⁽¹⁾
New cards issued	832	1,798	1,697
Circulation: Adult	25,415	28,814	34,373
Juvenile	8,549	12,439	16,685
Total	33,964	41,253	51,058
Interlibrary loans			
Books borrowed from other libraries	314	311	461

footnote:

1. Borrowers cards weeded for non-users in 1980.

PHYSICAL PLANT

The driveway was paved in October 1979, a significant improvement to the operation. The terraces on the south side of the property were landscaped, mostly by volunteers, and have become a pleasant place for patrons to read or children to play. The flower beds on the north were contained by curbs in April 1980 and now contain trees, bushes, and many flowers.

Inside, head custodian and maintenance man Carlos Rendon has put in new runners and stair treads to the galleries and has done a superb job in maintaining the wooden floors. All of the walls of the first floor were painted over the winter.

INDEPENDENT STUDY COURSES

Independent Study course enrollment showed an increase of 58% this past year. Part of the increase may be due to the many revisions done this year as listed below. Many courses which were not salable due to the need for revision were back on line.

Courses Revised During 79-80

Economics 315C: Money and Banking	3 credit hours
Library Science 427C: Classification & Cataloging	3 "
Elementary Education 441C: Children's Literature	3 "
English 101C: Writings with Readings in Exposition	3 "
English 294C: Survey of Earlier English	3 "
English 295C: Survey of Later English Literature	3 "
Math 120C: Intermediate Algebra	3 "
Math 121C: College Algebra	3 "
Math 162C: Calculus I	4 "
Math 163C: Calculus II	4 "
Math 264C: Calculus III	4 "
Nursing 408C: Body Fluids and Electrolytes	3 "
Philosophy 110C: Intro to Philosophical Problems	3 "
Philosophy 156C: Intro to Logic	3 "
Sociology 211C: Social Problems: Selected Topics	3 "
Spanish 101C: Elementary Spanish	4 "
Spanish 102C: Elementary Spanish	4 "
Spanish 201C: Intermediate Spanish	3 "
Spanish 202C: Intermediate Spanish	3 "

The number of students actually enrolled in courses during 1978-79 including new enrollments, carry-overs, withdrawals and completions was 2,087. 673 students were enrolled in all courses during 1979-80 as compared to 396 in 1978-79. The enrollment by month is depicted in the following chart.

Enrollments During July 79-June 80

July	46
August	81
September	55
October	51
November	31
December	36
January	82
February	34
March	39
April	51
May	93
June	74
<hr/>	
TOTAL	673

COMPARISON OF INDEPENDENT STUDY STATISTICS FOR LAST SEVEN YEARS.

<u>Year</u>	<u># of Courses Offered</u>	<u>Enrollments</u>		<u>Total</u>	<u>% of In- crease or Decrease</u>	<u>States</u>	<u>New Mexico Counties</u>	<u>Countries</u>
72-73	86	310	264	574	D-3.	38	22	6
73-74	84	235	221	456	D-20.	32	26	6
74-75	85	164	192	356	D-21.9	32	26	6
75-76	87	178	222	400	I-12.	27	24	5
76-77	94	251	393	644	I-63.	30	27	7
77-78	91	278	471	749	I-16.3	32	26	3
78-79	89	137	259	396	D-40.	24	27	2
79-80	91	230	443	673	I-58	27	26	11

The Report of The Community College
(Non-credit courses)
July 1, 1979 - June 30, 1980

The Community College program has seen, over the past year, a marked increase in both the number of actual classes and the total enrollment.

In light of the fluctuation in the growth rates over the preceding five years (although positive growth has been accomplished each year), a special effort has been made to identify and analyze the variables affecting healthy and sustained growth. (Class offerings, enrollments, average number of students per class, class fees, advertising and promotions, and class cancellation policies).

The results of these studies indicated a need to increase advertising and promotions while stabilizing course fees (in view of the economic changes in the community), and a revision of the class cancellation policy. The initiation of these conclusions effectively increased the number of classes closed (filled) to its prior level, increased total enrollment 11.4% and increased the number of actual classes 13.2% while offering only 7% more classes.

Application and refinement of this data, coupled with on-going studies, should ultimately lead to a sustained growth pattern for Community College.

Enrollment Statistics, FY'75 - FY'80

<u>FISCAL YEAR</u>	<u>TOTAL REGISTRATION</u>	<u>SEMESTERS</u>	<u>AVG. NUMBER OF STUDENTS PER CLASS</u>
'75	5046	Fall-2522 Spring-2524	24 22
'76	6541	Fall-3071 Spring-3470	23 24
'77	6675	Fall-3341 Spring-3334	24 24
'78	7697	Fall-3800 Spring-3897	25 27
'79	7897	Fall-3846 Spring-4051	24 22
'80	8803	Fall-4353 Spring-4450	23 22

Class Statistics, FY'75-FY'80

<u>FISCAL YEAR</u>	<u># CLASSES OFFERED</u>	<u># CLASSES CANCELLED</u>	<u># CLASSES ACTUAL</u>	<u># CLASSES CLOSED</u>	<u>AVG. TUITION FEE</u>
'75	Fall-117 Spring-143	6 20	103 115	N/A ---	N/A ---
'76	Fall-145 Spring-158	10 16	135 142	N/A ---	N/A ---
'77	Fall-148 Spring-151	12 15	136 136	N/A ---	N/A ---
'78	Fall-170 Spring-172	20 30	150 142	49 49	\$36. \$36.
'79	Fall-208 Spring-218	46 32	162 186	46 38	\$30. \$36.
'80	Fall-212 Spring-230	23 25	189 205	47 49	\$35. \$35.

Profile data on the Community College student over a six year period indicates no significant change during this time.

Student Profile, Composite

(Approximate figures)

Sex:	33% male, 67% female
Age:	51% - 26 to 40 years old
	24% - 41 to 60 years old
	17% - Under 26 years old
	8% - Over 60 years old
Avg. Age:	36 years
Education:	33% have had "some college"
	47% have BA or higher
	20% have had HS - no college

The Community College has continued in its efforts to offer classes at locations other than the UNM campus. The Albuquerque Public Schools (high schools) remain our primary source of off-campus facilities. Other facilities have been churches, community centers, recreation centers, shopping center meeting rooms, Kirtland AFB, Albuquerque TV-I and privately owned craft shops.

Included in this effort has been an expansion of offerings at Cibola High School to service the Corrales, Taylor Ranch and Paradise Hills area. Future programming includes expansion into Rio Rancho proper with a few course offerings and a planned Community survey.

Programs and services in cooperation with other University

departments will increase substantively in the upcoming fiscal year, with the successful establishment of communication channels and the exchange of ideas.

A cooperative program with the Modern and Classical Languages Department in a Languages for Children effort (planned for Spring 1981) will effectively combine several existing University non-credit courses; increasing marketability and cost effectiveness.

Cooperative programs with several other University departments are currently being planned or are under way.

Instances where Community College program services have been contracted for by private organizations have increased, with courses for the medical professions being offered at Lovelace-Bataan Medical Center and NM Professional Standards Review Organization. Current efforts in this area have been successful, and future programming increases are indicated.

The Community College continued to offer only one certificate program in Real Estate during the past year, however, a non-certificate generating program, "Small Business Goes to College", was begun during the Spring, 1980 Semester and proved highly successful. This program, a combination of courses and workshops, will be continued during the Fall, 1981 with variable program topics.

The Real Estate Certificate program has seen a marked decline in the number of enrollments, partially due to the expiration of the time period for continuing education as legislated by the state. In response to this, efforts are being made to modify the program to service, not only the individual seeking licensing, but also the practising professional agent and broker.

Although The Community College primarily serves persons 18 years of age and older, historically some courses for children have been offered. This effort has been expanded slightly with above average results.

Additionally, services to persons over 60 years old have expanded, and enrollments have begun to increase.

A professional examination review program in engineering, initiated in the Spring, 1979, increased substantially in enrollments during 1980, and additional requests for other programs of this nature are currently being studied.

As a consequence to the growth and expansion of the Community College, an emphasis for the coming year has been placed on organization and marketing; and increased attention to the mainstay of the Community College, the instructors.

Toward this end, and in addition to the University benefits obtained for Community College instructors during

the preceding year, we will be extending additional services and reviewing instructional support systems in an effort to maintain the high-quality of instructors which the program has enjoyed.

NON-DEGREE STATUS

All students classified in Non-Degree status are under the jurisdiction of the Dean of the Division of Continuing Education and Community Services. Students who make application to attend The University of New Mexico just prior to the beginning of the semester and who have missed the deadline to enroll in regular status are accommodated by enrolling in Non-Degree status. The following enrollment figures are reported for the past six years:

Comparison of Students Registered in
Non-Degree Status for the Past Six Years

(Regular Semester Only)

Year	Semester	Students	% of Increase or Decrease Over Corresponding Periods	Total for Year
1974-75	1st	3114	9.19% Increase	6125
	2nd	3011	19.39% Increase	
1975-76	1st	3548	13.94% Increase	7165
	2nd	3617	20.13% Increase	
1976-77	1st	3950	11.33% Increase	7667
	2nd	3717	2.76% Increase	
1977-78	1st	4538	14.89% Increase	7645
	2nd	3107	19.63% Decrease	
1978-79	1st	3049	32.81% Decrease	6212
	2nd	3163	1.83% Increase	
1979-80	1st	3441	11.4% Increase	7283
	2nd	3842	21.1% Increase	

The Division prepares and maintains personal folders for all students in Non-Degree status. Through these folders up-do-date academic records on 8,911 students enrolled in Non-Degree status were kept during the past academic year. (This figure includes students enrolled for the Summer Session of 1979.)

Furthermore, the Division has responsibility for the probation and suspension of Non-Degree students who fail to maintain the University's academic standards of a two-point average. During the 1978-79 year, sixty-five Non-Degree students were suspended; 1,055 students were placed on probation; 287 students were continued on probation; and 97 students were released from probation.

Non-Degree Probation and Suspension Figures

	Placed on Probation	Continued on Probation	Suspended
1975-76	681	240	16
1976-77	895	246	82
1977-78	963	316	72
1978-79	1001	287	67
1979-80	1055	314	67

Many of the students in Non-Degree status are in great need of advice and counseling. Since the Division receives no support for this activity, the Division merely serves as a holding house for these students. In the Fall of 1979, in cooperation with the Admissions

Office and various college advisement centers, two sessions were held in the late afternoon and evening for Non-Degree students, to offer academic advisement and information regarding transfer from Non-Degree status. Additionally, in the Spring of 1979, the various college advisement centers agreed to offer academic advisement to Non-Degree students, this practice has continued to date with satisfactory results.

REGISTRATION AND INFORMATION CENTER

Since 1978 when the Division reorganized along lines of Operations and Programs, the primary function of Operations personnel has been to register students in and provide information about Continuing Education programs.

Currently, there are six program clerks each responsible for registration, record keeping, and providing information about their respective areas - Non-Credit courses, Conferences and Institutes, Non-Degree, Extension, and Independent Study. In addition the Center's contract clerk, cashier, and receptionists have responsibility for functions covering all programs. The Registration and Information Center relies heavily on occasional staff during registration periods.

In order to provide the best service possible to the Division's clients, all personnel are cross-trained in the different programs. Enhancement of this was furthered by remodeling the registration center in early 1980 so that all program registration is located in one area. The centralization of staff has been quite successful.

Other functions of the Registration and Information Center include rental of some UNM facilities, processing of Continuing Education Units, rental of the D.H. Lawrence Ranch and distribution of all Division publications.

SUMMER PROGRAMS

Summer 1979 featured an expansion of non-credit offerings to include 27 different courses which enrolled over 1000 people. The focus of the program was recreation and classes which combined classroom sessions with outdoor activities. These included courses in fishing, hiking, backpacking, horseracing, and orienteering. Classes also included the study of photography, New Mexico birds, and the Indian Country. Included in the summer programs were Youth Sports Fitness School and Gymnastic Clinic for youth which enrolled 250 students.

A separate brochure was published which featured non-credit classes as well as other Continuing Education summer offerings.

THE REPORT OF THE SCHOOL OF ARCHITECTURE AND PLANNING

11-374

JULY 1, 1979 - June 30, 1980

DON P. SCHLEGEL ACTING DEAN

I-A. GENERAL INFORMATION

A1. Additional Physical Space

The new wing added to the existing Architectural Building was occupied for the first time this fall. It provides 2750 square feet of space which is now assigned to the Graduate Program in Architecture. This space should be adequate as long as the Graduate Architectural Program remains the same size.

A2. Administrative Changes

Dean Morton Hoppenfeld at the January faculty meeting announced his resignation, effective at the end of the second semester in order to return to private practice in Washington, D.C. and to accept a position on the faculty staff at Howard University. On May 15, 1980, Professor Donald P. Schlegel was appointed Acting Dean until a new dean was appointed and on campus.

A3. Dean's Search Committee

The Search Committee was formed in February, names were submitted by the faculty and the administration approved:

Dean Robert Desiderio, Dean of the School of Law, Chairman

Mrs. George Maloof, Member of the Board of Regents

Donald P. Schlegel, Professor, School of Architecture and
Planning

William J. Siembieda, Associate Professor, School of
Architecture and Planning

Richard S. Nordhaus, Associate Professor, School of Architecture
and Planning

Enid Howarth, Lecturer, School of Architecture and Planning

Carla McConnell, Graduate Student, School of Architecture and
Planning

Charles McCune, Undergraduate Student, School of Architecture
and Planning

Patricia Richards, AIA, Practicing Architect

The position was advertised nationally and the committee received inquiries from 60 applicants. After review, this was reduced to a short list of 12 candidates. These 12 candidates were asked to submit additional material, a brochure of their work, published papers, and a statement of their interests and concerns as a Dean of the School of Architecture and Planning. This list was then reduced to four candidates who were invited to campus:

Michel Pillet, Director of Art and Architecture, Southwestern
Louisiana University, Lafayette, Louisiana

Hayden May, Chairman, Department of Architecture, University
of Miami, Oxford, Ohio

Allan Forrest, former Chairman, Department of Architecture,
Pratt Institute, Brooklyn, New York

George Anselevicius, Chairman, Department of Architecture,
State University of New York, Buffalo, New York

The committee submitted the names of George Anselevicius as their first choice and Allan Forrest as their second choice to Provost Hull.

As of this date the Administration is still negotiating with George Anselevicius.

A4. Graduate Planning Program

The degree of Master of Community and Regional Planning was formally approved by the University and the Bureau of Educational Finance (B.E.F) in the spring. The first class of this two year program will begin in the fall of 1980.

Professor William J. Siembieda was appointed Director, and even though he had very little time to advertise, he received 35 applications. It was decided that the entry class should not exceed 20 students, which would mean that in three or four years the program would not exceed (including part-time) 50 students.

A5. A Summer Workshop in Taos

The Appropriate Technology Workshop was created in response to a request from the Provost's Office for innovative summer programs for 1979. With the Dean's encouragement, Enid Howarth, Paul Lusk, Edith Cherry, Barbara McReynolds, Jim Wilson, Geoff Bell, and Jay Burke, faculty and students from the School of Architecture and Planning, met weekly beginning in October, 1978, to invent, organize and plan a summer workshop for architecture students. None of us could have anticipated the time and energy required to deal with the array of problems and opportunities presented by this enterprise. Marijo Fink and Tony Oliver from Continuing Education later became essential in working with the logistical and financial aspects of the workshop. Ron Romero and Greg Baczek were hired as the construction supervisors in the final planning stages and their involvement and expertise in design and building facilitated the necessary preparations for the construction process.

Twenty-one students participated for four weeks in the Summer 1979 Appropriate Technology Workshop at the D. H. Lawrence Ranch. The students retrofitted Santo Domingo Cabin to make it more water and energy conservative, participated in the design studio taught by UNM faculty and visiting specialists, and attended evening lectures by a wide range of visiting experts. The tangible products of the Workshop include the retrofitted cabin, graphics and a brochure showing how each energy conservative element in the cabin works; data relating to soil, water and climate; and extensive report on the water situation at the ranch, and raku kiln.

A6. Service to the State of New Mexico

a. The Design and Planning Assistance Center (DPAC)

This is the clinical educational arm and community service organization of the University of New Mexico, sponsored by the School of Architecture and Planning. The Design Center provides architecture and planning assistance to groups and individuals throughout New Mexico who cannot afford to pay conventional professional fees.

Under the supervision of its director, Edward B. Norris, AIA, the DPAC staff has worked on nearly 40 projects during the past year. The staff is composed of VISTAs trained in architecture, planning, environmental studies, or communications, and of architectural and planning students from the University of New Mexico.

In addition to assisting in the design of several playgrounds and a retirement center in Albuquerque, the Design Center has provided the design for a self-help housing project and a health clinic in the Carlsbad area. The DPAC has also designed a legal services building at Santa Ana Pueblo, and a natural garden for Red

Rock State Park. Together with the School of Architecture and Planning, the Design Center has assisted the Village of Chama in obtaining a grant from the Farmers' Home Administration and in the creation of a community development plan based on citizen participation.

Other projects include the designing of a fire station in Duran, New Mexico, and a greenhouse and conference center in Tijeras, New Mexico. The Design Center offers a continuing program of design assistance to low income rural families in Torrance County. Four Navajo housing projects for the physically or mentally handicapped, designed by students and VISTA volunteers, have been funded by the Menninger Foundation.

In response to the increasing interest and demand for solar design, the DPAC staff has participated in several workshops. As part of their training, the VISTAs at the Design Center have attended conferences at the New Mexico Solar Energy Institute in Las Cruces and in Socorro. Last summer, graduate students' efforts resulted in a successful Handicapped Design Workshop at Lukachukai, Arizona.

The Design Center's Advisory Board has met several times during the year to participate in the project selections, fund raising efforts, and to evaluate program goals and objectives. Ten of the 20 members are representative of the state-wide community served by the DPAC, while the remaining members represent the University, the DPAC staff, and the professions related to DPAC's activities.

b. The New Mexico Historical Building Inventory

The University of New Mexico School of Architecture and Planning

contracted with the State Historical Preservation Bureau in the fall of 1978 to conduct this pilot project for the purposes of developing a standard inventory form, testing the form in a selected area and developing a survey procedure. Torrance County was chosen as the pilot area because of its proximity to Albuquerque. Later the survey team was invited by the Governor of Zuni Pueblo to inventory some areas of Zuni.

On completion of the pilot project, a draft of a procedural manual was written. In the fall of 1979, a review session was held at the University of New Mexico, and at that time it was decided to completely revise the Manual in order to incorporate the suggestions which had been offered. The responsibility for the revisions of the Manual has been delegated to Research Assistants Beverly Barsook and Chris Wilson, under the direction of Assistant Professor Edith Cherry. Editing will be done by Susan Dewitt of the Albuquerque Historic Landmarks Survey. The field survey was conducted through the spring under the direction of Professor Robert Cohlmeier.

c. Chama Project

The preparation of the Community Plan for the Village of Chama and Surrounding Area has been a year-long cooperative effort by people from the Village of Chama and the Tierra Amarilla Valley in northern New Mexico and the UNM School of Architecture and Planning. The Village, aided by a grant of \$22,464 from the Farmer's Home Administration (FmHA) and by in-kind time and services contributed by the University contracted through the Design and Planning Assistance Center (DPAC) to help them develop long term goals and an action plan to cope with the impacts of various proposals centered around Chama.

Working through public meetings and an action committee formed by citizens from the area the Community Plan was completed in September.

d. The Institute for Environmental Education

Awards:

1. The UNM -IEE received a special Award of Recognition from the National Endowment for the Arts. Co-Director Anne Taylor, who received the initial grant to establish the Institute will be so honored in a special publication of the Design Arts Division of the National Endowment for the Arts.

Conference Sponsorship:

The IEE co-sponsored with the National Association for Environmental Education a conference in Albuquerque, New Mexico. It was the first time the NAEI addressed the built-environment education. Three sessions were devoted to the topic. Those conference leaders included:

Aase Eriksen, Ph.D., Coordinator, National Architect in the School's program
Alan Sandler, Director, Environmental Education, AIA
Ed Crittenden, FAIA, Commission for Environmental Education, AIA
Doreen Nelson, Director, City Building Project
Jorge Bendick, California Education, Colleague of Doreen Nelson, Migrant Program
Don Wall, Professor, New Jersey School of Architecture
Joanne H. Pratt, Allied Professionals Educational Consulting Services

As a result of the conference, a position statement on built environment education was formulated by conference leaders for inclusion in the NEE Yearbook.

A7. Visiting Lecture Program

The following persons were brought to the School to give formal lectures. These were often accompanied by informal meetings with students in their class settings or coffee hours following the lecture:

Hugh N. Jacobsen, FAIA, President of H. N. Jacobsen, Washington, D.C., "Design for City Living."

Benny M. Gonzales, FAIA, President of B. M. Gonzales Associates, Phoenix, Arizona, "Searching for A Regional Architecture."

Ralph Knowles, AIA, School of Architecture and Planning, University of Southern California, Los Angeles, California, "Responding To The Elements - Energy Conservative Design."

Harry Weese, FAIA, President, Harry Weese and Associates, Chicago, Illinois, "Design In An Urban Context."

Morton Hoppenfeld, AIA, AICP, Dean, School of Architecture and Planning, University of New Mexico, Albuquerque, New Mexico, "Timeless Values As Directions for Design."

Frank O. Gehry, FAIA, President, Frank O. Gehry and Associates, Santa Monica, California, "Making the Ordinary Extraordinary."

M. Paul Friedberg, M. Paul Friedberg and Partners, New York, New York, "It Is Not The Buildings That Count."

A8. Statistical Data

Enrollment (Head Count)

<u>Undergraduate</u>	<u>Fall, 1978</u>	<u>Fall, 1979</u>	<u>%</u>
Architecture	128	106	
Environment	0	10	

Enrollment - Head Count (continued)

<u>Graduate</u>	<u>Fall, 1978</u>	<u>Fall, 1979</u>	<u>%</u>
Architecture	84	88	+ 4.7
Planning	0	0	0
<u>Credit Hours, Total</u>	2740	2946	+ 7.56
FTE (15 hrs.)	182	196	7.00
Survey Courses (100 level)	879	1002	13.9
Undergraduate (200 & above)	1496	1579	5.0
Graduate (500 & above)	368	365	0

<u>Graduated</u>	<u>Summer, 1979</u>	<u>Fall, 1979</u>	<u>Spring, 1980</u>	<u>Total</u>
Architecture				
Undergraduates	2	13	20	35
Graduates	1	8	3	12
Environmental Design				
Undergraduate	0	0	1	1
Community & Regional Planning				
Graduates			-	-

<u>Courses Offered</u>	<u>Fall, 1978</u>	<u>Fall, 1979</u>	<u>%</u>
Regular (Listed in catalog)	30	27	- 10%
Seminars	9	7	- 22%

<u>Applicants</u>	<u>Fall, 1979</u>	
	<u>Applied</u>	<u>Admitted</u>
Undergraduate		
Architecture	63	50
Environmental Design	-	-
Transferred from other universities		
Architecture	9	5
Environment	0	0

Applicants (continued)Fall, 1979

<u>Graduate</u>	<u>Applied</u>	<u>Admitted</u>
Non-Architectural	52	15
Architecture, Regular	13	9
Architecture, Special	8	5
Planning	-	-

A9. Special Grants and Studies

a. A grant from the National Endowment for the Arts in the amount of \$20,000 was received to research and prepare a Post-Occupancy Evaluation Handbook for Practitioners. Purpose is to develop strategies for cost-effective post-occupancy evaluations of buildings by architectural practitioners.

The principal investigator is Associate Professor WFE Preiser.

b. Another grant was received from the National Endowment for the Arts in the amount of \$7,800 for a survey in the United States and Australia of architectural mechanisms for controlling visual quality and compatibility in architecture.

The principal investigator is Associate Professor Wolfgang F.E. Preiser.

c. A grant project directed by Graduate Student Kevin Rohane was completed, endowed by the National Science Foundation in the amount of \$12,000. The project was research and development of guidelines for designing activity settings in elementary school playgrounds.

d. A grant in the amount of \$12,000 was received from the National Science Foundation to test and evaluate aspects of a tactual building directory for the visually handicapped users of the University of New Mexico Student Union Building.

Project directors for the grant were WEE Preiser, Associate Professor, School of Architecture and Planning, and Mark Brecht, Assistant Professor of Psychology at UNM.

e. A grant in the amount of \$3,997.00 was received from the Association of Collegiate Schools of Architecture, and the National Endowment for the Arts for a study on environmental education demonstration.

Graduate student Earl Mark was the director of the project.

IB. Significant plans and recommendations for the School will be postponed until a new dean has been selected.

IC. There have been no full time appointments to the staff for this academic year.

Part-time, temporary appointments were as follows:

Fall Semester, 1979:

Baker Morrow to teach Landscape Architecture
Stephen Earnest to teach second year Design Studio
Job Ebenezer to teach Appropriate Technology

Spring Semester, 1980:

Stuart Harroun to teach Acoustics in Architecture
Bob Uhl to teach Lighting in Architecture
Guy Johns to teach Site Planning
Baker Morrow to teach Landscape Architecture
Bart Prince to teach an advanced Design Studio
Barbara McReynolds to teach Art Experience
Pat Richards to teach Architecture Programming

Spring Semester Appointments (continued)

Peter Marino to teach beginning Design Studios

Howard Kaplan to teach second year Design Studio

ID. Ned Cherry resigned from the faculty at the end of Fall Semester, December 20, 1979, to work in an architectural firm.

Dean Morton Hoppenfeld resigned as of May 15, 1980, to accept an appointment at Howard University, Washington, D.C., and go into private practice.

II. Information from Biographical Supplements on Individual Faculty
SABBATICALS AND LEAVES:

a. Assistant Professor Edie Cherry was on sabbatical during Spring Semester to complete her book on architectural programming.

b. Associate Professor Wolf Preiser was on sabbatical during Spring Semester to continue his studies on "People and the Man-made Environment."

c. Professor Preiser taught at the University of Sydney in Australia while on sabbatical during Spring Semester. He visited New Zealand, American Samoa, New Zealand, New Guinea, and the Fiji Islands as well as Australia.

COMPOSITE OF INDIVIDUAL FACULTY BIOGRAPHICAL SUPPLEMENTS:

ENID HOWARTH: In the Summer of 1979, Professor Howarth administered an Appropriate Technology Workshop at the D. H. Lawrence Ranch and supervised retrofitting of the Santo Domingo cabin.

COMPOSITE OF INDIVIDUAL FACULTY BIOGRAPHICAL SUPPLEMENTS (continued)

Attended a four-day Passive Solar Energy Workshop in San Francisco, Fall 1979.

Served on UNM Committee to Determine Future of D. H. Lawrence Ranch, Fall 1979.

Gave presentation at the University of Maryland on "Women in the Man-made Environment," April 1980.

Gave keynote speech at High School Conference on Science and the Humanities

PAUL LUSK, ASSOCIATE PROFESSOR

Public Service: Served on Storm Drainage Policy Revision Committee for City of Albuquerque Environmental Planning Commission (August 1979 - January 1980).

Lectures, Symposia: Guest lecturer on panel for Application of Passive Solar to Large Commercial Buildings at SERI, Golden, Colorado (November 7-9, 1979).

Guest lecturer at public symposium on Energy and the Way We Live, at Coronado Mall, sponsored by UNM Department of Continuing Education and U. S. Department of Energy, (April 13, 1980).

Projects, Grants: Project Director for \$22,000 grant from Farmers' Home Administration to Village of Chama, New Mexico, to work with people in Chama area to develop community plan (October, 1979 - September, 1980). (See A6c, Chama Project).

COMPOSITE OF INDIVIDUAL FACULTY BIOGRAPHICAL SUPPLEMENTS (continued)

DON P. SCHLEGEL, PROFESSOR

Continuing Education Workshop: Directed Master Sepcification Workshop, offered by National American Institute of Architects, sponsored by the School of Architecture and Planning and the Albuquerque Chapter of AIA. 60 people attended.

Appointments

Appointed Acting Dean, School of Architecture and Planning, May, 1980.

Appointed President of the National Architectural Accrediting Board (February 1, 1980 - September, 1981). Chaired four visits for accreditation this past year.

BILL SIEMBIEDA, ASSOCIATE PROFESSOR

Travel: To Washington, D.C., to participate in a Conference on Energy Sensitive Land Use, December, 1979.

Publications: "Environmental Appeals Boards: A Case Study of the Influence of Citizen Expertise on Local Environmental Decisions," Journal of Architectural Research, 7:2, Aug., 1979, pp. 21-30.

Analysis of the Rental Market in Albuquerque, The Albuquerque Urban Observatory, March 1979.

"Revitalization Through Changing Territorial Value," Urban Affairs Papers (submission, Winter, 1980).

Other Research Projects or Creative Work in Progress: "The Structure of Housing Policy in Albuquerque," in progress for the Albuquerque Urban Observatory.

COMPOSITE OF INDIVIDUAL FACULTY BIOGRAPHICAL SUPPLEMENTS (continued)

Activities in Learned and Professional Societies, etc.

Paper, "Emerging Approaches to the Built Environments Energy Policy," read at the American Society for Public Administration Regional Meeting, October, 1979.

Editor, The Newsletter, American Planning Association, New Mexico Chapter.

Attended the Conference on Energy Sensitive Land Development, Washington, D.C., December, 1979.

Other Professional Activities

Consultant: a) Arburn & Assoc. (San Antonio); b) Adcock & Assoc. (Albuquerque)

Developed and ran UNM Conference on Growth Management, May, 1979
(School sponsored)

Invited as outside member of the Planner Consortium Group,
Department of Finance and Administration, State of New Mexico

Non-Teaching University Service

Academic Sneate member, UNM

UNM Graduate Committee

Personnel Committee, School of Architecture & Planning

Graduate Committee, School of Architecture & Planning

In charge of development of new graduate degree program in
Community and Regional Planning

COMPOSITE OF INDIVIDUAL FACULTY BIOGRAPHICAL SUPPLEMENTS (continued)

Public Service

Planning consultant to the working committee on the Southwestern
Neighborhood Conservation Workshop, Oct., 1979.

Group leader of the Personnel Review Committee for Principal
Planner, City of Albuquerque

Personal Information

New child: Dnaielle Marin Siembieda, born Sept. 14, 1979.

ANNE TAYLOR, PROFESSOR

Summer Teaching: University of Alaska, Anchorage -- July, August,
1980.

Honors: Who's Who in American Women 1980-81

National Endowment for the Arts for exemplary funded
program past three years, Institute for Environmental
Education, 1977-1980.

Publications:

Guidelines for Rural Educational Programs and Facilities with

CCC + Architects, Anchorage 1979-80

Program for Valdez Special School for Severely Handicapped

with CCC + Architects, Anchorage, 1979-80.

"Status of Arts Education in the Seventies," International
Communication Agency, Washington 1979

"Albuquerque Indian School: A Cooperative Renovation Project:
Education Digest, January 1980.

"Environmental Modification Culture and Change," School Arts,
October 1979.

COMPOSITE OF INDIVIDUAL FACULTY BIOGRAPHICAL SUPPLEMENTS (continued)

"Learning on the School Campus," Art and Career Education:

Alternative Explanation for Career Oriented Art Programs.

A Handbook for Career Education in Art NAEA, Washington 1979.

Associate Schools of Architecture Film Grant with Earl Mark,

Graduate Student

Continuation Effects of Physical Environment on Learning and

Behavior

Membership:

National Art Education Association

Environmental Research and Design Association

American Institute of Architects 1) Environmental Education

Committee, 2) Architecture and Education Committee

Paper read: "Career Education in the Arts," Los Angeles, NAEA
Conference.

Editor - Review of Research in Visual Arts Education

Consultancies and Workshops:

Programs for Children - Art Education and the Psychology of the
Child, Nov., 1980

Environmental Workshop, Anchorage, Alaska, December, 1979

Speech Communications Club, "Psychology of Children's Art -
Jan., 1980.

North Carolina State Department of Education, "Playground Design,"
March, 1980.

Anchorage, Alaska School District - "Learning Environment
Design for Teachers," April, May, 1980.

COMPOSITE OF INDIVIDUAL FACULTY BIOGRAPHICAL SUPPLEMENTS (continued)

Chair - Graduate Committee, Art Education

Member - Academic Freedom and Tenure Committee

Member - American Studies, Faculty Advisory Committee

THE REPORT OF THE COLLEGE OF ARTS AND SCIENCES

July 1, 1979 - June 30, 1980

Nathaniel Wollman, Dean

COLLEGE OF ARTS AND SCIENCES

Annual Report, July 1, 1979 - June 30, 1980

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I. ADMINISTRATION

Alfred Parker assumed the chairmanship of Economics, succeeding Gerald J. Boyle.

Hamlin Hill assumed the chairmanship of English, succeeding Joseph B. Zavadil.

Richard Murphy was redesignated as chairman of Geography for another three-year term beginning 1980-81.

Rodney C. Ewing assumed the chairmanship of Geology, succeeding Douglas Brookins.

Janet Roebuck was designated chairman of History, beginning 1980-81, succeeding Gerald D. Nash.

Robert Lawrence was designated chairman of Journalism, beginning 1980-81, succeeding James Crow as chairman and himself as acting chairman in 1979-80 while Professor Crow was on sabbatical leave.

Thomas Kyner was designated chairman of Mathematics and Statistics, beginning 1980-81, succeeding Clifford Qualis who had succeeded Richard Griego.

Mark Price assumed the chairmanship of Physics and Astronomy, succeeding Victor Regener.

Melvin DeFleur served as acting chairman of Sociology, Semester I, 1979-80 while Professor David was on leave.

Kenneth Frandsen assumed the chairmanship of Speech Communication, succeeding acting chairman Jean M. Civikly.

Tables I, II, and III provide full information on membership of Arts and Sciences administrative units and committees and personnel actions.

II. ACADEMIC PROGRAM: ACTION BY A&S FACULTY

During the year 1979-80 the Arts and Sciences faculty took the following actions:

1. Reviewed but made no change in the present Catalog provisions regarding admission to A&S from University College.
2. Approved a policy on probation and suspension that restricted probationary status to students who met specified GPA standards and limited the number of semesters that a student could remain in probationary status.
3. Passed several resolutions regarding the search process for a new dean and recommended additional members for the search committee.
4. Approved residence credit for courses offered in the Language Summer School in Taos.
5. Approved a joint degree of M.A. in Latin American Studies and M.A. in Public Administration.
6. Approved a minor in European Studies.
7. Transferred responsibility for administering B.A. and M.A. degrees in Latin American Studies from the Division of Inter-American Affairs to an Interdisciplinary Committee on Latin American Studies.
8. Approved a major in religious studies.
9. Adopted a statement on cooperative education.
10. Approved a policy on individual dual-degree masters' programs.

For information about departmental academic programs see individual department reports. Department reports are an official part of the College annual report.

III. RELATIONS, LIAISON, AND ACTIVITIES BETWEEN THE COLLEGE OF ARTS AND SCIENCES AND THE ALBUQUERQUE PUBLIC SCHOOLS--Julian E. White, Jr.

After a year of advanced planning by the staff of the College of Arts and Sciences and the office of the Director of High School Instruction of the Albuquerque Public Schools, a Joint Albuquerque Public Schools/College of Arts and Sciences Workshop was held on Thursday 11 October 1979 in the Reading Room of Ortega Hall. The overall subject of the workshop was "The Role and Responsibilities of the College of Arts and Sciences in the Preparation of Public School Teachers and the Development of Curriculum." The focus of the meeting was "The Roles and Responsibilities of Albuquerque Public Schools and the College of Arts and Sciences to Ensure that Incoming Students Are Prepared for University-Level Work."

The workshop was organized around four topics: (I) Teacher Education; (II) Curriculum and Standards; (III) Guidance and Counseling; and (IV) A&S/APS Relations. A presenter from APS gave a paper of approximately twenty minutes in length on each of these topics. Discussants from UNM and APS were assigned to each topic. These discussants received copies in advance of the presentations and it was their function to lead and stimulate discussion and interaction. Participants in the workshop were encouraged to ask questions, make comments, and contribute in any way they saw fit. At the close of the workshop, summaries of the topics and discussions were given by UNM Provost McAllister H. Hull, Jr. and John Mondragon, APS South Area Superintendent. UNM Provost Emeritus Chester C. Travelstead presided over the workshop and acted as moderator. The workshop was a day-long affair with luncheon hosted by the College of Arts and Sciences and the day ended with cocktails at the UNM Faculty Club.

In addition to those already mentioned, participants included the following: Joel M. Jones (UNM Associate Provost for Academic Affairs), Vera L. Norwood

(Assistant to the Provost), David W. Darling (Dean of the College of Education), R.L. Wagoner (Associate Dean of the College of Education), William H. Huber (Dean of University College), Nancy Verardo Magnuson (UNM Director of the Office of School Relations), Ilse J. Gay (Assistant Dean of the College of Fine Arts), Lyn Rehder (APS English Teacher), Michael J. Hogan (UNM Director of Freshman English), George F. Peters (Associate Professor of German and Acting Chairman of the Department of Modern and Classical Languages), Gerald D. Nash (Chairman of UNM Department of History), David E. Kidd (Professor of Biology), Richard J. Griego (Chairman of UNM Department of Mathematics and Statistics), Nathaniel Wollman (Dean of the College of Arts and Sciences), J.E. White, Jr. (Associate Dean of the College of Arts and Sciences), Roy D. Caton (Professor of Chemistry), Michael L. Conniff (Assistant Professor of History), Frank A. Logan (Professor of Psychology), Merle Mitchell (Professor of Mathematics and Statistics and Coordinator of Mathematics Education), Theodore F. Martinez (Assistant to the UNM Administrative Vice-President and Member of the Albuquerque School Board), Ruth Duquette (APS Teacher Center), Sylvia Reed (APS Associate Superintendent for Personnel), Stan Rarick (APS Director of Instructional Services), Claude Lewis (APS District Language Arts Specialist), Bill Fickel (APS Director of Vocational Education), Tony Martinez (APS Principal of Rio Grande High School), Jo Ann Krueger (APS Assistant Principal of Del Norte High School), Russell Rutledge (APS Counselor at Cibola High School), Mary Caccamise (APS Counselor at Del Norte High School), Hilde Howden (APS District Mathematics Specialist), Mike Montman (APS Director of Supply Services), Harold D. Drummond (Associate Dean Emeritus of the College of Education), Charlie R. Steen (Assistant Chairman of UNM Department of History).

Communications might be called the keynote of the workshop; repeatedly the need for additional and improved communications was stressed, especially at the lower echelons of department with department and even APS teachers with UNM faculty directly. Additionally it was pointed out that there is often a lack of internal communications within UNM, particularly between the College of Arts and Sciences and the College of Education. Communications become especially critical in the event of changes by UNM in its entrance requirements, standards, performance levels, expectations, etc. which have both immediate and long-range effects on the public schools. Communications must be established, renewed, and maintained so that problems, both existent and incipient, may be identified and a solution process initiated.

It is the responsibility of all of us involved in the educational process to resist societal pressures when we deem them inimical to education, and to educate society to the concept of excellence in education. On the pragmatic side of this question were discussed the matters of grade inflation and the faculty-student ratio which presently obtains in the secondary schools. Ways need to be found to resist the pressure of the idea that easy courses and hence good grades lead to college entry, and to encourage the concept that difficult and demanding college preparatory courses are preferable. Teachers should be encouraged and made to feel secure in stricter grading and more rigid standards so that the integrity of grades may be restored.

A closely related issue is that of faculty-student ratio, since a teacher is hindered in testing and evaluating if the class is so large that the instructor is unable to assign meaningful work because of the burden of correcting written assignments, papers, tests, etc. This is a critical area and solutions to many problems might be possible if faculty-student ratios in the public schools could be improved.

An additional problem is the area of special programs and attention for the gifted student. In spite of efforts in this direction, especially in honors courses recently initiated in some Albuquerque high schools and various programs for gifted children in the middle schools, much remains to be done for the superior student. More programs need to be developed and teachers must be specially and specifically taught how to teach the superior or gifted child.

University faculty have too often been unable or reluctant to become involved in service to the public schools, improvement of teacher education and preparation, teacher in-service training, workshops, colloquia, meetings with public school colleagues, and so forth. The university professor is expected to accomplish research and publish the results, and this, together with his teaching, means that his time is limited. Perhaps the system of "rewards and punishments" might be reexamined so that those faculty members able and interested in working with the public schools in teacher training, curriculum and program development, advising and consulting, coordination, evaluation, liaison, exchanges, and all the myriad facets of public school education might be permitted to do so as their special contribution and area of interest without being penalized or remaining unrewarded in the traditional university system. Until this becomes a reality, service to the public schools will continue to be neglected by university faculty, especially in the College of Arts and Sciences.

In the area of teacher training, both for prospective and for in-service teachers, the question of methodology and specific subject matter content was a recurring one. Teachers seem to need and want more training in the methods of how to teach specific subject matter areas, i.e. the specific methods peculiar to various disciplines together with more direct and pragmatic experiences

in laboratories, with computers and calculators, in doing rather than seeing or hearing about activities. In this connection, increased sharing of UNM facilities and working directly with UNM faculty counterparts would be of inestimable value. Intimately related to the area of in-service teacher training is the matter of some mechanism whereby teachers might receive credit in Arts and Sciences for courses, workshops, symposia, colloquia, etc. in Arts and Sciences subject matter.

For prospective teachers the areas of multiple certification and concurrent advisement are very important. Positions often exist for teachers who are certified to teach in more than one area and prospective teachers should be emphatically advised to pursue the goal of multiple certification for enhanced employability. Public schools should try to keep the university informed on a continuous basis of those subject areas needed and those in which multiple certification would be desirable. Concurrent advisement of prospective teachers by both the College of Education and the College of Arts and Sciences departments should result in better prepared teachers, especially in subject matter areas.

Concentrating on the stated focus of the workshop are matters of entrance requirements, performance levels, and expectations. The language in which requirements are stated should also include something on the performance level expected. Entrance requirements stated merely in terms of units or even where specific subject matter is specified gives insufficient information regarding the level of performance expected by UNM or considered necessary for successful college-level work. It was suggested that UNM develop, publish, and publicize statements advising prospective students, parents, and the public schools of the subject matter courses, including course content, selection and distribution of courses, and performance levels (GPA, ACT, SAT, etc.) recommended to

increase students' expectations for a successful college experience; i.e. UNM's expectations of entering students so they may realize their own expectations.

Other areas which should be carefully examined were brought up during the course of the workshop sessions:

1. Exploration to provide opportunities for public school teachers to teach UNM credit courses to other school teachers, either on the UNM campus or at other sites.
2. Joint review and consultation between UNM and APS on the development of coordinated, sequential and diagnostic curricula on all levels of public school education.
3. Specific summer programs of various lengths, workshops, colloquia, etc. for teachers and devoted to teacher-identified needs; special courses and programs for teachers, organized around the convenience of teachers.
4. A&S/APS faculty exchange programs.
5. A&S/COE joint faculty appointments for the coordination of methods, subject matter content, philosophies of education, etc.
6. Actual assignment of A&S faculty to the secondary schools to work with teachers in the classroom.
7. APS/UNM joint appointments.
8. Additional programs and/or degrees for teachers which would allow more work in content areas at a lower level for those who do not need advanced level work but upgrading and updating of skills.
9. Study of ways to utilize KNME-TV to share information and develop programs.

A more detailed summary of the proceedings of the workshop may be obtained from the College of Arts and Sciences office. Also available for use in the college office is the complete transcript of the workshop as well as the tapes which were made of the proceedings.

As an outgrowth and follow-up to the workshop, the College of Arts and Sciences has been organizing "task forces" in the most essential disciplines: English, foreign languages, sciences, and social studies. Fortunately in the case of mathematics the Joint Mathematics Advisory Committee was already in existence and will serve in the additional role of "task force." The foreign languages task force is already in operation and has begun its work. The others are presently in various stages of organization and expect to begin meeting in Semester I, 1980-81. These task forces are composed of representatives of the A&S departments involved, College of Education specialists in the teaching of subject matter areas, and APS teachers and district coordinators. The mission of these task forces will be to serve as liaison between APS and A&S, to explore areas of concern both to UNM and to APS, and to do everything possible to ensure that incoming students from the Albuquerque schools will be prepared to do college-level work. The work of the task forces will be coordinated by a central committee composed of members of the individual task forces and an associate dean of the College of Arts and Sciences who will serve also as liaison with the administration of UNM and APS so that concerns, suggestions, and programs developed in the task forces will receive the attention of the proper officials.

The College of Arts and Sciences feels that close coordination and cooperation with the public schools is the best and possibly only method of ensuring adequately prepared students who will perform successfully at the college level and is committed to do everything possible to work with the Albuquerque schools to accomplish this goal.

IV. THE ARTS AND SCIENCES GRADUATE COMMITTEE--Julian E. White, Jr.

According to the Statement of Policies and Procedures (Implementation Statement) of the Arts and Sciences Graduate Committee, the A&SGC is required to "present an annual report to the A&S Faculty summarizing actions taken within the area of its authority." This report follows and will become a part of the Annual Report of the College of Arts and Sciences. Copies will also be presented to the A&S Faculty at the first faculty meeting of the 1980-81 academic year. Faculty desiring more detailed information are invited to consult the minutes of the A&SGC which are transmitted to the Dean of the College of Arts and Sciences, the Dean of Graduate Studies, chairmen of A&S departments, and departmental representatives on the A&SGC. Additionally a file of minutes is maintained in the office of Associate Dean J.E. White, Jr., A&SGC Chairman.

The entire A&SGC met a total of seven times during the 1979-80 academic year, meeting monthly except for January and March. In addition various of the A&SGC standing subcommittees met throughout the year. The A&SGC and its subcommittees were involved throughout the year with matters running the gamut between simple housekeeping chores to matters of considerable pedagogical and philosophical importance.

Beginning with the 1979-80 academic year, the Senate Graduate Committee was reorganized to include two members of the A&SGC (from two different divisions of the natural sciences, social sciences and humanities) and one representative each from other college (school, division) graduate committees. This reorganization resulted in closer liaison and more direct communication between college graduate committees, the Senate Graduate Committee, and the Faculty Senate.

Rather than attempt to present a synthesized summary of the committee's activities for the year, it seems better to summarize the minutes of each

meeting. This method will, in addition to informing the A&S Faculty of the committee's work, maintain a convenient chronology

September 11, 1979

Associate Dean J.E. White, Jr. was reelected as chairman of the A&SGC. A&SGC representatives to the Senate Graduate Committee were also elected: Associate Dean White (humanities) and Professor J.D. Finley III (natural sciences). It might be pointed out here that Associate Dean White was subsequently elected chairman of the Senate Graduate Committee. It was decided that the A&SGC members of the Senate Graduate Committee would be exempt from Subcommittee service. Subcommittee assignments were made by the chairman.

October 9, 1979

A proposal from the Department of Sociology to offer Sociology #513 (Survey of Contemporary Schools of Sociological Theory) during Semester II, 1979-80 on a trial basis at the UNM Santa Fe Graduate Center was approved. However, the committee expressed considerable concern regarding the availability of library support at the Santa Fe Center.

A proposal for a joint M.A. in Public Administration/M.A. in Latin American Studies was returned to P.A. and L.A.S. for clarification.

The proposed "Policies and Procedures for the Doctoral Final Oral Examination" (tabled in 1978-79) was adopted as amended. The chairman was subsequently instructed by the committee to present this policy to the Senate Graduate Committee with a recommendation that it be adopted as university-wide policy. (The Senate Graduate Committee referred it to the college, school, and division graduate committees for feed-back. Our statement was adopted by the College of Engineering, with modifications appropriate for their situation.

Ultimately most of the statement was adopted by the Senate Graduate Committee as policy for the university as a whole.)

November 13, 1979

An appeal from the Department of Linguistics from the negative recommendation of the Subcommittee on Standards was heard by the entire A&SGC. The Linguistics Department had requested approval of the committee to petition the Dean of Graduate Studies to invite Mr. Daniel Sharkey to apply for admission to graduate study even though he does not hold the Bachelor's degree, under the provisions of the current Graduate Bulletin (1978-79, p. 16). The committee voted not to accept the recommendation of the Subcommittee on Standards and then voted to approve the request of the Department of Linguistics. Both motions were approved by a majority of one vote.

An appeal from the Department of Biology from the negative recommendation of the Subcommittee on Standards was heard by the entire A&SGC. The Biology Department had petitioned the A&SGC for approval of a dissertation format unlike the usual one in that it would contain reprints of published papers and preprints of papers in press or to be submitted for publication; an introduction, connecting passages, and conclusions would be included. The committee voted not to accept the recommendation of the Subcommittee on Standards and to allow the request. (Again by a majority of one vote.)

In connection with both these petitions it was pointed out during heated discussion that any adverse decision or recommendation of a subcommittee would likely be appealed. Our Implementation Statement (Section V,F) permits subcommittees "to resolve definitively matters brought before them..." and makes no provision for appeal to the A&SGC from a subcommittee decision or, indeed, for the A&SGC to reverse a subcommittee decision or to bring before the A&SGC for

discussion a matter already resolved in subcommittee. It was felt that the A&SGC needs to reexamine section V,F in the light of these discussions.

December 11, 1979

The proposed MAPA/MALAS was returned to the committee which approved it, subject to approval by the Public Administration Policy Committee, and forwarded it to the A&S Faculty for action. (This proposal was approved by the A&S Faculty and is presently on the table in the Senate Graduate Committee awaiting approval of the Public Administration Graduate Committee.)

On the matter of the Implementation Statement, Section V,F it was decided to insert consecutively after the first sentence of V,F (p. 11) the following amendments:

1. All matters of policy shall be decided by the full committee.
What constitutes a matter of policy shall be determined by the A&SGC Chairman.
2. Appeals from a subcommittee decision shall be addressed to the full committee.

February 19, 1980

A "Proposed Replacement for the Section on Dissertation Hours" (Graduate Bulletin, 1978-79, p. 25) was approved as presented by the Office of Graduate Studies. (Subsequently approved by the Senate Graduate Committee and the Faculty Senate.) A "Proposed Policy on Policy-Making," presented by the Office of Graduate Studies was accepted in principle with the recommendation that the final paragraph (replacement for section headed "Bulletin Requirements" on page 20 of the current Graduate Bulletin) be eliminated and the other sections rewritten to reflect this deletion. The recommendation was accepted by the Office of Graduate Studies and the item was sent on to the

Senate Graduate Committee. (Subsequently approved, with an item of clarification, by the Senate Graduate Committee and currently on the Faculty Senate agenda.)

A "Proposed Graduate Grading System" which had been tentatively approved by the Senate Graduate Committee was accepted with the following recommendations: (1) The grade of "D" be eliminated as well as all references to the grade of "D"; (2) Add in the section on NC: "NC grades are not calculated in the GPA"; (3) Add at the end of the final paragraph: "A student will be placed on probation when he or she receives two grades of NC and/or F and will be suspended if a third NC or F grade is received." (The Senate Graduate Committee accepted (1) and (3). With an additional recommendation from the College of Education Graduate Committee, the proposal was passed by the Senate Graduate Committee and the Faculty Senate.) A "Proposed Policy Regarding an Optional ('Hybrid') Dissertation Format" was rejected.

April 1, 1980

A "Proposed Policy on Individual Dual-Degree Master's Programs" presented by the Office of Graduate Studies was approved and forwarded to the Senate Graduate Committee. (Subsequently approved by the SGC but not yet brought to the Faculty Senate.)

A "Proposed Policy on CR/NC Option for Graduate Students in Lower-Division Courses" was approved and forwarded to the Senate Graduate Committee. (Subsequently approved by the Senate Graduate Committee and presently on the Faculty Senate agenda.)

Because of a question raised by Mr. Gordon Venable, substituting for one of the GSA representatives on the A&SGC, regarding the committee's procedures in reference to the "Open Meetings" ordinance and the Attorney General's

opinion thereon, the chairman was instructed to clarify the committee's status with the university attorney. (To date, no response has been received from Mr. Rask.)

May 6, 1980

A proposed addition to the Doctoral Residence Policy (p. 24 of the 1978-79 Graduate Bulletin) was approved, along with changes in the present policy in the interest of consistency. If adopted, the first two paragraphs of the present policy would then read:

"The residence requirement has been established to ensure that the student acquires a professional maturity and competence through a process of association. Following the completion of the master's degree or its equivalent, the minimum residence requirement for the doctorate consists of two regular semesters or three summer sessions (at least eight weeks each) during which the student engages in full time academic work on campus. The three summer sessions need not be consecutive, but must fall within a five-year period. Similarly, one full time semester and two full time summer sessions on campus, all within a five-year period, will satisfy the residence requirement. Degree-related campus employment, such as Research or Teaching Assistantship, is permissible during the residence period(s), but off-campus employment is not.

During the residence period, the student must..."

The Office of Graduate Studies will accomplish whatever editorial changes may be necessary for consistency of the residence requirement. The addition was approved for the College of Arts and Sciences and recommended to the Senate Graduate Committee as university-wide policy.

A recommendation for special admission for Mrs. Sarita Gupta from the Department of Philosophy was approved.

Professors Sam B. Girgus (humanities) and J.D. Finley III (natural sciences) were elected as A&SGC representatives to the Senate Graduate Committee for 1980-81. Election of a committee chairman for 1980-81 was postponed.

Subcommittee Activities

The actions of the Subcommittee on Standards have been reported elsewhere. The Subcommittee on Students selected recipients of graduate tuition fellowships for 1980-81 for Arts and Sciences. It also selected Ms. Shelley Armitage as the Arts and Sciences nominee for the Annual Graduate Scholarship. (Ms. Armitage was unanimously selected for the award by the Senate Graduate Committee.) The Subcommittee on Faculty continues to collect data on the criteria for appointment of graduate faculty from the A&S departments and will begin evaluation of these data in 1980-81. At the request of the Dean of the College of Arts and Sciences, the Subcommittee on Faculty served as an advisory committee on sabbatical leave requests as required by the Faculty Handbook, p. C-11, para. 8.

V. REPORT ON SUMMER SESSION--Ralph D. Norman

Summer Session 1980 planning commenced, as it did last year, in the fall.

A principal concern in October 1979 was the drop in enrollment, for A&S fell from 17,808 SCH in 1978 to 17,007 SCH in 1979 as of the end of classes, a loss of 4.50%. Requests were made by the Provost to reduce low enrollment courses, strive for innovative programming, and hold budget figures very close to those of 1979. The latter were used for planning purposes, resulting in an initial estimate of \$394,230 based on 1979 dollars, a figure very close to last year's \$385,206. In addition, two supplements were added to our allocation. These involved support for the Summer Linguistics/TESOL Institute, planned and organized over the past year by Professor Bills, and an increase for the Taos Language Programs. Thus, to the \$394,230 were added \$5,000 for the Institute and \$3,300 for Taos. The total of \$402,530 was then increased by 8% in March 1980 to \$434,730. In addition, other one-time allocations of \$75,000 for the Institute and \$18,000 for Taos were made at that time, augmented later by \$1,500 for a visiting professor in American Studies. The total budget received from the Provost then became \$529,230 to be administered by A&S. As of this writing (5/28/80), the amount contributed from that total to the Linguistic Institute was \$103,273 for 28 visiting faculty alone. Moreover, the Department of Linguistics was given \$11,379 for administration over its normal base allocation of \$4,677. Extraordinary allocations for the Linguistics Institute thus totaled \$114,652.

Because 1980 enrollments are unavailable at this time, allocations only for each department are given in Table XIX, together with comparable figures for 1979. (Any contrast in enrollments between the two years may be easily made by taking 1979 figures from Table XIX of the 1978-79 annual A&S report and comparing them with 1980 first week Summer Session enrollments.) A few

observations need be made about Table XIX. The total for support of all on-going programs in the college was made comparable to 1979 by excluding the Linguistic Institute's \$114,652. The normal total allocation was then \$414,578, which is 7.63% over last year's, almost the overall 8% increase given by the Provost. All figures remain quite comparable in support, except M&CL, the Foreign (International) Program, and the contingency. M&CL's 1980 figure is 5.4% above that of 1979 because of the special Taos allocations. The Foreign Program was sharply reduced because of lack of enrollments in Spain and consequent cancellation of courses there. The contingency almost completely disappeared in the normal give and take among other departments as well as some excess expenditure for the Institute.

The \$529,230 budget, however, will run into a deficit if the Linguistic Institute needs more money for administration and teaching of some as yet unmannned courses. However, according to Professor Bills, there are monies forthcoming from TESOL and the Linguistics Society of America to cover this overrun, a circumstance of which the Provost's office is well aware.

A few observations need be made about Summer Session administration. A policy is needed for compensation of summer chairmen. While "backing and filling" of faculty have been kept to a minimum, some of this still goes on. The Provost's Office, now that it has started to support the Taos program more fully and now that Taos has moved from the aegis of Continuing Education to that of A&S, must continue its commitment of Summer 1980 preferably as a separate line-item. Attention should be paid to a uniform six-week term as a means of increasing enrollments.

VI. REPORT ON TRAVEL BUDGET--Ralph D. Norman

Our travel budget for 1979-80 was a fiscal disaster in that it was, as in previous years, not only insufficient to cover full travel costs, but was utterly incapable of matching the rapid acceleration of air fares. The allocation for FY 1980 was \$36,900, which represented no increase over the FY 1979 allocation of \$36,886. At the beginning of the year, despite the inflation of fares and lack of increased support, we were forced to cut travel reimbursement 10%, from 66-2/3% to 60% for first trips and from 50% to 45% for second trips. Support for three or more trips was completely eliminated. These measures constituted a feeble attempt to stretch our dollars. In February 1980 I estimated that we would overspend this year's allocation by approximately \$1,000. As of this writing (5/22/80), we have spent \$38,752 and thus are in deficit by close to \$2,000; I would estimate that by the end of the fiscal year, this will grow to somewhere between \$2,500 and \$3,000.

The 1979-80 disbursements are given in the table below which keeps the usual categories: (A) Paper Presentation; (B) Officerships; and (C) Miscellaneous, such as chairing of sessions, membership on panels, serving as discussants, etc. This last category also includes simple attendance, granted exceedingly rarely and only for some special reason. Following are the comparative figures for 1978-79 and 1979-80, excluding travel for June 1980:

	1978-79				1979-80			
	<u>No. of Trips</u>	<u>%</u>	<u>Amount Spent</u>	<u>%</u>	<u>No. of Trips</u>	<u>%</u>	<u>Amount Spent</u>	<u>%</u>
Category A	156	60.9	\$23,186	63.1	140	62.5	\$25,044	64.6
Category B	15	5.8	1,799	4.9	14	6.3	2,086	5.4
Category C	85	33.3	11,781	32.0	70	31.3	11,622	30.0
TOTAL	256	100.0	\$36,766	100.0	224	100.0	\$38,752	100.0

The above table, as did the comparable one for last year, shows only trifling changes and continues the "steady state" in all the categories for at

least the last three years. It is estimated that there may be ten or so more trips for the final month of the fiscal year, bringing the total to approximately 235 trips. The loss of only about 9 or 10% in number of trips between the two years is truly a tribute to the determination of our faculty to continue to attend professional meetings despite the increasing drain on their personal resources. This determination is all the more remarkable considering the fact that the per traveler cost, derived from the above table, increased by 20.5% from \$143.62 to \$173.00. (The per trip cost increase should be compared to that between FY 1977-78 and FY 1978-79, which was only 5.2%.) While a few faculty did cancel trips because of insufficient support, there was no massive defection in travel.

Table XX presents the departmental breakdown among all categories. There are few notable changes from last year. Perhaps most noteworthy is the change in Category A (Paper Presentation) for the following departments from last year to this: Economics, 14 to 4; History, from 7 to 14; and Speech Communication, from 6 to 12.

Our travel support for next year will be \$39,500, only \$2,600 above this year's amount. While the drop in percentage of trips from last year to this was only about half the amount of the inflation of cost per trip, it remains a serious question whether the loyalty of faculty to their professional obligations can continue to withstand such a disparate relationship in view of the slight budget increase of 7%.

VII. THE A&S ADVISEMENT CENTER--Thomas J. Venardos

The Arts and Sciences AdviseMENT Center sustained its level of activities achieved during the last several years. Additional activities were included to expand services to students.

Between July 1, 1979 and May 30, 1980, the staff saw 8,082 students. This was consistent with past years in which student contact amounted to similar figures.

The activities in which the staff of the adviseMENT center participated included the following: (1) an orientation for pre-medicine and pre-dentistry students; (2) participating with the Health Science Committee; (3) counseling at the Skills Center with basic skills students; (4) offering study skills workshops for all UNM students; (5) conducting the fourth Liberal Arts Career Fair; (6) advising on a weekly basis at Kirtland Air Force Base; (7) conducting a Returning Students Orientation; (8) advising of returning students in their lounge; (9) participation in the mandatory orientation for freshmen; (10) organizing a student pre-law club; (11) participating in High School Day; (12) speaking for the Albuquerque Association of University Women; and (13) speaking at various high schools in Albuquerque.

Staff changes included putting on an additional half-time person, having the three part-time people increased to full-time and having the director reduced to half-time. This sort of staff arrangement created some problems because one or two staff members would be involved with a project and would leave the center; consequently there were times when only one or two advisors were present in the office to see students and answer the phone. Based on this, it would be recommended that staff coverage be available so that at least two advisors be in the office at the same time to provide necessary coverage.

TABLE I

CHAIRMEN AND PROGRAM DIRECTORS, 1979-80

Departments

AMERICAN STUDIES

Sam B. Girgus

ANTHROPOLOGY

Philip K. Bock

BIOLOGY

James S. Findley

CHEMISTRY

Guido H. Daub

COMMUNICATIVE DISORDERS

Lloyd D. Lamb

ECONOMICS

Alfred Parker

ENGLISH

Hamlin Hill

GEOGRAPHY

Richard E. Murphy

GEOLOGY

Rodney C. Ewing

HISTORY

Gerald D. Nash

JOURNALISM

James P. Crow (Sabbatical Year)

Robert Lawrence, Acting

LINGUISTICS

Garland D. Bills

MATHEMATICS AND STATISTICS

Richard J. Griego (on leave from duty)

Clifford Qualls, Acting, Regular

MODERN AND CLASSICAL LANGUAGES

Sabine R. Ulibarri

PHILOSOPHY

Howard J. Tuttle

PHYSICS AND ASTRONOMY

R. Marcus Price

POLITICAL SCIENCE

Robert J. Sickels

PSYCHOLOGY

Henry C. Ellis

SOCIOLOGY

Melvin L. DeFleur, Acting

Pedro R. David

SPEECH COMMUNICATION

Kenneth D. Frandsen

Programs

ASIAN STUDIES

Fred G. Sturm

COMPARATIVE LITERATURE

Peter K. Pabisch

INTER-AMERICAN AFFAIRS

Martin C. Needler

INSTITUTE OF METEORITICS

Klaus Keil

FRESHMAN ENGLISH

Michael J. Hogan

LATIN AMERICAN CENTER

Marshall R. Nason

IBERO-AMERICAN STUDIES

Marshall R. Nason

MAXWELL MUSEUM

J.J. Brody

PALEOCOCLOGY

Roger Y. Anderson

RUSSIAN STUDIES

Richard G. Robbins

TABLE II

STANDING AND SPECIAL COMMITTEES,
COLLEGE OF ARTS AND SCIENCES, 1979-80A&S Tenure Committee

Edwin Lieuwen, Chairman, History
 Elinore M. Barrett, Geography
 James D. Finley, Physics and Astronomy
 David C. McPherson, English
 Lewis R. Binford, Anthropology
 Tamara Holzapfel, Modern and Classical Languages
 Frank Logan, Psychology

A&S Promotion CommitteesHumanities:

Tamara Holzapfel, Chairman, Modern and Classical Languages
 Robert E. Fleming, English
 Frank W. Ikle, History
 Stuart Novins, Journalism
 Paul F. Schmidt, Philosophy

Natural Sciences and Mathematics:

Frank A. Logan, Chairman, Psychology
 Seymour S. Alpert, Physics and Astronomy
 Roger Y. Anderson, Geology
 Ulrich Hollstein, Chemistry
 Richard B. Hood, Communicative Disorders
 Merle Mitchell, Mathematics and Statistics
 Loren D. Potter, Biology

Social Sciences:

Lewis R. Binford, Chairman, Anthropology
 Ronald G. Cummings, Economics
 Martin C. Needler, Political Science
 Lawrence B. Rosenfeld, Speech Communication
 Rodman E. Snead, Geography
 Richard F. Tomasson, Sociology

A&S Graduate Committee

Julian E. White, Jr., Chairman, Associate Dean, Arts and Sciences
 Richard Allen, Mathematics and Statistics
 Arthur St. George, Sociology
 James Findley, Biology
 James Finley, Physics and Astronomy
 Sam B. Girgus, American Studies

TABLE II (contd.)

A&S Graduate Committee (contd.)

Larry Gorbet, Anthropology
 Linda Riensche, Communicative Disorders
 Garland Bills, Linguistics
 Richard Jensen, Speech Communication
 Barry Kues, Geology
 Frank Logan, Psychology
 James Ray, Political Science
 Cary Morrow, Chemistry
 Sanford Cohen, Economics
 Jonathan Porter, History
 Fred Schueler, Philosophy
 Jack Tomlins, Modern and Classical Languages
 Jerry Williams, Geography
 Hugh Witemeyer, English
 Elsa Taylor, Graduate Student, Biology
 Yolanda Jones, Graduate Student, Chemistry
 Wendy Jones, Graduate Student, English

A&S Committee on Academic Policy and Curriculum

Harry P. Stumpf, Chairman, Political Science
 Mary Bess Whidden, English
 Tamara Holzapfel, Modern and Classical Languages
 Alfred Carasso, Mathematics and Statistics
 Richard Holder, Chemistry
 Paul Jonas, Economics
 Richard Murphy, Geography

A&S Human Subjects Committee

Timothy G. Plax, Chairman, Speech Communication
 Henry Harpending, Anthropology
 Harold Delaney, Psychology
 Paul Steele, Sociology
 Rabbi Isaac H. Celnik, Congregation B'Nai Israel

A&S Student Advisory Committee

Vilija N. Avizonis, Chemistry
 Gary A. Buckingham, Physics
 Lisa Davidson, Speech Communication
 Tamara Sue Detrick, English
 Melissa Fassett, Journalism and Psychology
 Kathryn Huff, Economics
 Jon A. Lesser, Economics and Mathematics
 Hunter M. Lewis, Geography
 Claudia I. Mora, Geology
 Clifford I. Nomberg, Biology
 Brittmarie Jason Perez, Anthropology
 Bill Shy, History

TABLE II (contd.)

A&S Comparative Literature Committee

Peter K. Pabisch, Chairman, Modern and Classical Languages
 June C.D. Carter, Modern and Classical Languages
 Patrick J. Gallagher, English
 Dick C. Gerdes, Modern and Classical Languages
 Bruno Hannemann, Modern and Classical Languages
 Natasha Kolchevska, Modern and Classical Languages
 Byron T. Lindsey, Modern and Classical Languages
 Antonio Marquez, English
 David C. McPherson, English
 Patricia Murphy, Modern and Classical Languages
 George F. Peters, Modern and Classical Languages
 Alfred Rodriguez, Modern and Classical Languages
 Warren S. Smith, Jr., Modern and Classical Languages
 Ellen Spolsky, English
 Ronald Swigger, English
 Jon M. Tolman, Modern and Classical Languages
 Jack E. Tomlins, Modern and Classical Languages
 Joseph B. Zavadil, English
 Robert O. Evans, Director, General Honors

American Studies Committee

Sam B. Girgus, Chairman, American Studies
 Ernest W. Baughman, English
 Sanford Cohen, Economics
 Robert E. Fleming, English
 Douglas R. George, Art
 Hamlin Hill, English
 Ira S. Jaffe, Theatre Arts
 Howard Rabinowitz, History
 Harold V. Rhodes, Political Science
 Daniel M. Slate, Management
 M. Jane Slaughter, History
 Anne Taylor, Art and Architecture
 M. Martha Weigle, English and Anthropology
 Peter L. White, English

A&S Linguistics Committee

Garland D. Bills, Chairman, Linguistics
 Dean Brodkey, Elementary Education
 Jean M. Civikly, Speech Communication
 Larry Gorbet, Anthropology
 Alan Hudson-Edwards, Linguistics
 Vera John-Steiner, Educational Foundations
 John Oller, Linguistics
 Marlis Mann, Elementary Education
 Roy Pickett, English
 Bernard Spolsky, Linguistics

TABLE II. (contd.)

A&S Linguistics Committee (contd.)

Robert White, Secondary and Adult Teacher Education
 Robert Young, Emeritus, Linguistics
 Rodney Young, Director, Testing
 Dolores Butt, Communicative Disorders

A&S Asian Studies Committee

James Sebring, Anthropology
 James Spuhler, Anthropology
 Susan Kanegy, Art
 Philip Peterson, Art Education
 Paul Jonas, Economics
 Robert Campbell, Geography
 Richard Murphy, Geography
 Rodman Snead, Geography
 Frank Ikle, History
 Arnold Kaminski, History
 Jonathan Porter, History
 Noel Pugach, History
 Gerald Slavin, International Programs
 Dorothy Harroun, International Programs
 Michiko Adams, Zimmerman Library
 Pearl Wu, Modern and Classical Languages
 Andrew Burgess, Philosophy
 Matthieu Casalis, Philosophy
 Russell Goodman, Philosophy
 Donald Lee, Philosophy
 Charlene McDermott, Philosophy
 Paul Schmidt, Philosophy
 Fred G. Sturm, Chairman, Philosophy
 Jay Sorenson, Political Science

A&S Russian Studies Committee

Richard G. Robbins, Chairman, History
 Pham Chung, Economics
 Richard Murphy, Geography
 Jay Sorenson, Political Science
 Byron Lindsey, Modern and Classical Languages

TABLE III:

FACULTY PROMOTIONS, RETIREMENTS, SEPARATIONS, AND APPOINTMENTS,
TENURE AND THIRD YEAR TERM DECISIONS, 1979-80

Promotions

To Full Professor:

John W. Oller, Jr.
Sam B. Girgus
Robert W. Kern
Samuel Roll
H. Stuart Burness
Elinore M. Barrett

Linguistics
American Studies
History
Psychology
Economics
Geography

To Associate Professor:

Rudolfo Anaya
Russell B. Goodman
Tokio Kogoma
Raymond V. Ingersoll
Barry S. Kues
William R. Miller
Nelson P. Valdes
Karen L. Remmer

English
Philosophy
Biology
Geology
Geology
Psychology
Sociology
Political Science

Retirements

Robert D. Campbell
J. Paul Fitzsimmons
James V. Lewis
Ralph D. Norman
Roy Thomas
Nathaniel Wollman

Geography
Geology
Mathematics and Statistics
Psychology
Physics
Economics

Separations

Anne Mary Boylan
Robert Creeley
Evelyn A. Early
Frances S. Harnick
George F. Jiracek
Arnold P. Kaminsky
Norman W. Katz
Ernest Anthony Mares
Stuart Novins
Alice C. Omaggio
Joseph A. Parsons
Glenn L. Pfeifer
Robert L. Schrag
Robert A. Seward
Bernard Spolsky
Ellen Spolsky
Peter L. Workman
Joseph A. Ramirez

History
English
Anthropology
Psychology
Geology
History
Psychology
Modern and Classical Languages
Journalism
Modern and Classical Languages
Psychology
Mathematics and Statistics
Speech Communication
Political Science
Linguistics
English
Anthropology
Modern and Classical Languages

TABLE III (contd.)

New Appointments

Anthropology:	
James S. Chisholm	Assistant Professor
Chemistry:	
Jon R. Maple	Assistant Professor
Communicative Disorders:	
Wayne E. Swisher	Associate Professor
English:	
Barry J. Gaines	Associate Professor
Geology:	
Crayton Yapp	Assistant Professor
Jeffrey A. Grambling	Assistant Professor
Paul Morgan	Visiting Associate Professor
Mathematics and Statistics:	
Howard D. Fegan	Assistant Professor
Carla Wofsy	Assistant Professor
Philosophy:	
Arthur L. Basham	Visiting Distinguished Professor
Physics:	
Marlan Scully	Distinguished Professor
James Graydom Small	Associate Professor
Political Science:	
Debra C. Rosenthal	Visiting Instructor
Psychology:	
Jean Ellen Newman	Assistant Professor
Michael J. Dougher	Assistant Professor
Kevin E. O'Grady	Assistant Professor
Speech Communication:	
Allen Lichtenstein	Assistant Professor

Third Year Term Decisions

Biology:
 Evelyn P. Ewing
 Kathryn G. Vogel

Economics:
 Ronald N. Johnson

English:
 Antonio Marquez
 Peter L. White

TABLE III (contd.)

Third Year Term Decisions (contd.)

Geography
Jerry Lee Williams

Geology:
Stephen P. Huestis

Political Science:
Ivory T. Robinson
Robert A. Seward

Psychology:
Therese E. Goetz
Eligio R. Padilla

Speech Communication:
Robert L. Schrag

Tenure Decision Dates, June 30, 1980

Anthropology:
Larry P. Gorbet

Biology:
Tokio Kogoma

English:
Rudolfo Anaya

Geology:
Barry S. Kues

History:
M. Jane Slaughter

Journalism:
Robert H. Lawrence

Linguistics:
Alan Hudson-Edwards

Political Science:
Karen L. Remmer

Speech Communication:
Kenneth D. Frandsen

TABLE IV
FTE BUDGETED FACULTY, 1979-80

<u>Department</u>	<u>Returning Faculty</u>	<u>New Faculty</u>	<u>Part-Time Instruction</u>	<u>GA's/TA's</u>
American Studies	3.71	--	--	0.50
Anthropology	23.08	--	--	3.50
Biology	30.83	--	--	19.50
Chemistry	20.25	--	--	14.50
Communicative Disorders	7.12	--	0.33	1.00
Economics	16.50	2.00	--	3.00
English	37.87	--	0.91	23.00
Geography	7.50	--	--	1.00
Geology	14.67	--	0.30	6.50
History	25.83	2.00	--	8.00
Journalism	5.25	1.00	0.19	--
Linguistics	2.51	--	--	0.50
Mathematics & Statistics	35.33	3.50	1.04	11.00
Modern & Classical Lang.	29.09	2.00	0.55	16.50
Philosophy	11.83	--	--	2.50
Physics & Astronomy	15.08	1.00	0.85	7.50
Political Science	13.57	1.00	--	2.00
Inter-American Affairs	0.60	--	--	1.00
Psychology	22.60	1.00	0.09	6.00
Sociology	16.50	2.00	--	2.00
Speech Communication	7.00	3.00	--	1.00
A&S Contingency	--	--	6.12	--
TOTAL	346.72	18.50	10.38	130.50

TABLE V
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>
1969-70	2,454	3.7	2,412	- 2.5
1970-71	2,541	3.5	2,518	4.4
1971-72	2,563	0.9	2,490	- 1.1
1972-73	2,644	3.2	2,837	13.9
1973-74	2,857	8.0	2,797	- 1.4
1974-75	2,724	-4.7	2,746	- 1.8
1975-76	2,684	-1.5	2,756	0.4
1976-77	2,663	-0.8	2,737	- 0.7
1977-78	2,582	-3.0	2,602	- 4.9
1978-79	2,397	-7.2	2,322	-10.8
1979-80	2,267	-5.4	2,205	- 5.0
Decrease 1979-80 Over 1969-70	- 187	-7.6	- 207	- 8.6

TABLE VI
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>	
1969-70	368,479	234,288	63.9
1970-71	425,189	267,234	62.9
1971-72	444,361	279,705	62.8
1972-73	425,302	278,577	65.5
1973-74	420,311	256,979	61.1
1974-75	517,455	300,821	58.0
1975-76	461,641	285,551	61.9
1976-77	487,208	279,810	57.4
1977-78	476,229	267,786	56.2
1978-79	473,266	272,829	57.6
1979-80	495,039	279,666	56.5
Change 1979-80 Over 1978-79	21,773 4.6%	7,037 2.6%	
Increase 1979-80 Over 1969-70	126,560 34.3%	45,378 19.4%	

TABLE VII

STUDENT CREDIT HOURS BY DEPARTMENTS

Department	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	% Increase 1970-80
American Studies	2,277	5,455	5,970	3,002	3,158	2,302	2,077	1,923	-15.5
Anthropology	18,848	15,983	17,156	15,489	12,225	10,861	9,758	9,611	-49.0
Biology	23,766	22,449	25,872	24,565	23,278	21,863	20,458	20,690	-12.9
Chemistry	18,923	16,338	19,810	18,249	19,397	18,143	18,203	18,414	- 2.7
Comm. Disorders	2,116	2,243	2,531	2,758	2,928	2,601	3,096	2,949	39.4
Economics	10,950	10,483	12,908	13,045	12,168	13,899	15,369	17,346	58.4
English	34,770	28,392	32,564	30,478	31,370	29,128	30,109	32,813	- 5.6
Geography	4,912	4,960	5,838	6,008	5,545	5,410	6,001	6,296	28.2
Geology	10,000	9,332	10,028	8,728	8,797	8,154	9,023	10,211	2.1
History	21,969	19,636	22,676	21,740	19,745	19,960	21,192	19,598	-10.8
Journalism	2,661	3,109	3,603	3,584	3,425	3,016	3,045	2,846	7.0
Linguistics	--	1,460	1,921	1,986	1,615	1,304	1,319	1,042	--
Math & Stat.	27,172	25,620	32,154	32,043	35,167	35,346	38,414	43,405	59.7
M&CL	20,215	17,257	22,917	23,985	21,491	19,648	19,178	18,901	- 6.5
Philosophy	10,207	9,287	11,020	9,631	7,926	5,922	4,825	5,933	-41.9
Phys. & Astr.	11,860	11,446	13,334	12,847	11,842	11,731	12,278	12,998	9.6
Political Sci.	10,844	10,506	11,659	10,876	10,391	10,621	9,675	9,606	-11.4
Psychology	26,321	25,038	26,804	24,832	24,422	24,273	25,358	22,080	-16.1
Sociology	12,549	10,055	12,170	11,182	13,778	15,155	14,327	14,483	15.4
Speech Comm.	8,217	7,929	9,886	10,523	11,142	8,328	9,124	8,521	3.7
TOTAL	278,577	256,979	300,821	285,551	279,810	267,665	272,829	279,666	0.4

TABLE VIII

DEGREES AWARDED, COLLEGE OF ARTS AND SCIENCES

Year	Bachelor's Degrees			Advanced Degrees					
	No. of Degrees	% Inc. Over Previous Yr.	Master's (a)		Doctor's		Total		
			No.	% Inc.	No.	% Inc.	No.	% Inc.	
1971	592	- 1.5	171	2.4	73	1.4	244	2.1	
1972	435	-26.5	130	-24.0	47	-35.6	177	-27.5	
1973	622	43.0	189	45.4	84	80.9	273	54.8	
1974	734	18.0	154	-18.5	88	4.7	242	-11.3	
1975	816	10.0	128	-16.8	64	-27.2	192	-20.6	
1976	707	-13.4	128	0.0	74	15.6	202	4.2	
1977	611	-13.6	159	24.2	69	- 6.8	228	12.9	
1978	662	8.3	167	5.0	68	- 1.4	235	3.1	
1979	577	-12.8	143	-14.4	55	-19.1	198	-15.7	
1980	627	8.7	123	-14.0	58	5.5	181	- 8.6	
9-Year Change	35	5.9	48	-28.1	15	-20.5	63	-25.8	

(a) These figures do not include Master of Arts in Teaching and Master of Education in Science degrees.

TABLE IX

DEGREES AWARDED, A&S AND UNM, 1970 AND 1980

College	Bachelor's Degrees			Advanced Degrees		
	1970	1980	% Inc.	1970	1980	% Inc.
Arts and Sciences	601	575*	- 4.3	239	181	- 24.3
B.U.S.	113	370	227.4	--	--	--
Other Colleges**	920	1,071	16.4	466	728	56.2
UNM TOTAL	1,634	2,016	23.4	705	909	28.9

*This figure does not agree with the A&S total in Table X because degrees granted with double majors are counted only once here.

**Excludes Law and Medicine.

TABLE X
DEGREES AWARDED, BY DEPARTMENT¹

Department	Bachelor's				Master's				Doctoral			
	1977	1978	1979	1980	1977	1978	1979	1980	1977	1978	1979	1980
American St.	--	--	1	0	--	--	--	--	5	9	4	5
Anthropology	52	47	36	33	19	15	16	9	4	4	4	6
Art*	5	7	5	8	--	28	--	--	--	--	--	--
Biology	76	89	109	74	26	15	15	12	5	4	4	10
Chemistry	28	26	18	19	4	10	6	9	4	9	10	--
Comm. Disorders	15	16	12	13	21	17	20	16	--	--	--	--
Comp. Literature	1	--	1	1	2	2	--	2	--	--	--	--
Economics	34	50	32	40	6	5	4	3	3	2	2	3
Econ.-Philosophy	--	--	--	--	--	--	--	--	--	--	--	--
English	37	50	46	44	4	12	7	5	9	4	3	5
English-Phil.	2	3	3	4	--	--	--	--	--	--	--	--
Geography	9	12	3	6	2	2	2	--	2	--	--	--
Geology	17	15	21	23	7	13	12	10	3	1	--	9
History	43	46	44	51	8	3	5	11	10	6	9	4
Home Economics*	2	1	4	4	--	--	--	--	--	--	--	--
Ibero-Amer. St.**	--	--	--	--	--	--	--	--	--	--	2	1
Journalism	31	30	23	30	--	--	--	--	--	--	--	--
Linguistics	2	--	1	--	1	--	2	1	--	--	--	--
Lat. Amer. St.	6	2	5	9	7	9	3	6	7	--	--	--
Math & Stat.	30	20	15	20	7	4	7	5	3	6	1	3
M&CL	28	35	19	33	8	5	10	4	--	6	6	3
Philosophy	3	3	3	3	5	11	3	2	--	1	1	1
Physics & Astr.	6	10	7	9	3	6	6	5	3	8	3	--
Pol. Science	58	58	56	65	5	6	1	4	1	1	--	2
Psychology	79	82	75	91	10	14	10	8	9	7	6	6
Russian St.	1	1	--	1	--	--	--	--	--	--	--	--
Sociology	17	15	22	21	1	3	2	--	1	--	--	--
Speech Comm.	17	20	16	24	12	13	13	11	--	--	--	--
M.A.T.	--	--	--	--	12	4	3	--	--	--	--	--
TOTAL	611	639	577	627***	171	197	147	123	69	68	55	58

¹Includes summer, fall, and spring graduates.

*Not departments of the College of Arts and Sciences, but major or minor is allowed.

**Interdisciplinary program at the doctoral level.

***Degrees granted with double majors are counted once in each major department, so this total will not agree with Table IX.

TABLE XI
BACHELOR DEGREES AWARDED BY COLLEGE OF EDUCATION
WITH A&S MAJORS

<u>Department</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>
Anthropology	0	0	0	0	0	0	0
Biology	0	0	3	0	0	0	0
Chemistry	1	0	0	0	0	0	0
English	14	6	4	10	8	2	4
Geography	0	0	0	0	0	0	0
Geology	0	0	0	0	0	0	0
History	7	7	3	6	2	2	3
Journalism	0	0	0	0	0	0	0
Mathematics & Statistics	9	5	1	1	0	3	4
Modern & Classical Lang.	19	5	5	4	3	4	5
Philosophy	0	0	0	0	0	0	0
Political Science	0	0	0	0	0	0	1
Psychology	2	1	2	1	0	0	2
Sociology	1	1	1	0	0	0	0
Speech Communication	4	1	1	1	0	1	1
Communication Arts	8	2	2	3	3	3	1
Social Studies Composite	12	6	7	5	4	0	5
Science Composite	8	0	5	0	0	0	4
TOTAL	85	34	34	31	20	15	30

TABLE XII

**ACADEMIC PROBATIONS, SUSPENSIONS, AND RELEASES
COLLEGE OF ARTS AND SCIENCES**

	<u>1975-1976</u>		<u>1976-1977</u>		<u>1977-1978</u>		<u>1978-1979</u>		<u>1979-1980</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Semester I										
On Probation	81	3.0	81	3.0	262	10.1	258	10.8	216	9.5
Suspended	37	1.4	38	1.4	59	2.3	46	1.9	106	4.7
Released from Probation	64	2.4	74	2.8	52	2.0	48	2.0	40	1.8
Semester II										
On Probation	58	2.1	78	2.9	209	8.0	207	8.9	335	15.9
Suspended	47	1.7	46	1.7	64	2.5	51	2.2	107	4.9
Released from Probation	70	2.5	71	2.6	58	2.2	57	2.5	61	2.6

Number of Students Enrolled in Arts and Sciences:

Semester I, 1979-80	2,267
Semester II, 1979-80	2,205

TABLE XIII

**DEAN'S LIST, COLLEGE OF ARTS AND SCIENCES:
NUMBER OF STUDENTS WITH GPA OF 3.00 AND ABOVE
FOR WORK OF 15 HOURS OR MORE TAKEN IN THE SEMESTER WITH GRADE**

Grade Point Average	<u>1976-1977</u>				<u>1977-1978</u>			
	<u>Sem. I</u>		<u>Sem. II</u>		<u>Sem. I</u>		<u>Sem. II</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
4.00	49	1.8	51	1.9	41	1.6	38	1.5
3.50-3.99	138	5.2	156	5.7	131	5.1	129	5.0
3.00-3.49	199	7.5	210	7.7	189	7.3	204	7.8
TOTAL	386	14.5	417	15.2	361	14.0	371	14.3
	<u>1978-1979</u>				<u>1979-1980</u>			
	<u>Sem. I</u>		<u>Sem. II</u>		<u>Sem. I</u>		<u>Sem. II</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
4.00	47	2.0	41	1.8	43	1.9	38	1.7
3.50-3.99	118	4.9	131	5.6	109	4.8	118	5.4
3.00-3.49	160	6.7	194	8.4	172	7.6	147	6.7
TOTAL	325	13.6	366	15.8	324	14.3	303	13.7

Note: % represents the percentage of the total Arts and Sciences enrollment for the semester indicated.

TABLE XIV

DEGREES GRANTED WITH HONORS*

Honors in General Studies

Magna Cum Laude	5	
Cum Laude	4	
		9

Departmental Honors

Chemistry	1	
English	2	
History	5	
Modern and Classical Languages	2	
Physics	1	
Political Science	4	
Psychology	6	
Sociology	1	
		22

<u>Elected to Phi Beta Kappa</u>	17
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<u>Elected to Phi Kappa Phi</u>	16
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*Requirements completed Semester II, 1978-79; Summer 1979; Semester I, 1979-80.

TABLE XV

NEW RESEARCH AND TRAINING GRANTS, 1979-80

	<u>Dollars</u>	<u>Number of Faculty</u>	<u>Number of Grants</u>
American Studies	6,000	1	2
Anthropology	132,472	9	9
Biology	785,733	11	24
Chemistry	229,394	9	10
Communicative Disorders	90,600	1	2
Economics	511,439	6	14
English	50,148	1	1
Geography	--	--	--
Geology	436,594	11	17
History	40,918	3	3
Journalism	--	--	--
Linguistics	63,868	3	3
Mathematics & Statistics	198,544*	6	6
Modern & Classical Languages	44,757	3	5
Philosophy	--	--	--
Physics	346,108	7	7
Political Science	--	--	--
Psychology	193,549	7	8
Sociology	99,116	2	2
Speech Communication	--	--	--
Contract Archaeology	555,583	3	25
TOTAL	3,784,823	83	138

*Does not include \$758,502--Griego.

TABLE XVI

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BUDGETED GA's/TA's, RESEARCH AND
PROJECT ASSISTANTS AND TRAINING GRANTEES

<u>Department</u>	<u>GA's & TA's*</u>	<u>RA's, PA's, & Trainees**</u>
American Studies	0.50	--
Anthropology	3.50	--
Biology	19.50	5.88
Chemistry	14.50	4.50
Communicative Disorders	1.00	--
Economics	3.00	5.13
English	23.00	--
Geography	1.00	--
Geology	6.00	7.75
History	8.00	--
Journalism	--	--
Linguistics	0.50	--
Mathematics & Statistics	11.00	1.00
Modern & Classical Languages	16.50	0.50
Philosophy	2.50	--
Physics & Astronomy	7.50	1.75
Political Science	2.00	--
Psychology	6.00	4.00
Sociology	2.00	3.00
Speech Communication	1.50	--
Inter-American Affairs	1.00	--
Meteoritics	0.50	3.25
TOTAL	133.87	33.76

*Supported by A&S.

**Supported by Contracts and Grants.

TABLE XVII
VISITING LECTURERS, 1979-80

<u>Date</u>	<u>Name, Title & Address</u>	<u>Department</u>	<u>Purpose</u>
10/6/79	Professor D. Alexander University of Michigan	Biology	Departmental Seminar
11/2/79	Professor Robert V. Pound Harvard University	Physics	Colloquium
10/8/79	Gerald Garcia, Head Capital Cities Communi- cations, Inc.	Journalism	Address classes, con- fer with students
10/17/79	Richard D. Alexander Museum of Zoology University of Michigan	Biology	Colloquium
11/15/79	Professor I.H. Sloan University of New South Wales	Physics	Confer with faculty, seminar for students
11/15/79	Ina Wittich West Germany	Modern and Classical Languages	Sang Brecht songs in Keller Hall for faculty and students
11/30/79	Professor Joyce Lebra University of Colorado, Boulder, Nationally known Japanese Historian	History	Lecture on "Women in Asia"
12/13/79	Dr. Thomas Krugh Department of Chemistry University of Rochester	Chemistry	Departmental Colloquium
1/8/80	Franklin Dickey Memorial Theatre	English	Dedication
1/28/80	Prof. Syun-Ichi Akasofu International Institute of India	Physics	Seminar on Magnetic Field Configuration of the Heliosphere
2/6/80	Iain Davidson, Professor Department of Prehistory and Archaeology, Univer- sity of New England, Armidale, NSW, Australia	Anthropology	Colloquium and confer with students
3/6/80	Prof. Michael Weisser University of South Carolina	History	Colloquium on Iberian History

TABLE XVII (contd.)

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<u>Date</u>	<u>Name, Title & Address</u>	<u>Department</u>	<u>Purpose</u>
3/12/80	Dr. Marvin Fisher Arizona State University	English	Lecture to faculty and students
3/18/80	Mexico Week	Latin American Institute	Support for speakers
3/19/80	Max Black, Program for Science Technology and Society at Cornell University, British Philosopher of Science	Philosophy with Medical School	One month of lectures as follows: Medicine as Art and Science, Technology and its Im- pact on Medical Human- ism, Medical Education and the Formation of the Physician, What do We Mean by the Good Physician, Is There a Medical Ethic?
4/9/80	Dr. Alfonso Sastre University of Argentina	Modern and Classical Languages	Conference with the faculty and students in the Department
3/26/80	Stanley Cavell, Walter M. Cabot, Professors of Aesthetics, Harvard	English	Lecture and Colloquium
3/27/80	International Week	English and History	Lecturers and panel members
3/28/80	Xavier Ribalta, Spanish singer from Spain	Modern and Classical Languages	Spanish songs to faculty and students
3/28/80	Judith Fryer, Professor of American Studies Miami University, Ohio	American Studies	Lecture and seminar to faculty and students
2/13/80	Prof. Sacvan Bercovitch Columbia University	American Studies	Colloquium and seminar to faculty and students
5/6/80	Prof. Martha Vicinus Department of English Indiana University	English	Lecture on Victorian Studies
9/27/79	Dr. Clyde Snow, FAA Chief of Disaster Research	Anthropology	Lectures on Forensic Anthropology, class discussions and discus- sion of problems

TABLE XVII (contd.)

<u>Date</u>	<u>Name, Title & Address</u>	<u>Department</u>	<u>Purpose</u>
3/28/80	H.B. Knowles, Washington State University	Physics	Colloquia
4/4/80	W.H. Bostick, Steven Institute of Technology	Physics	Colloquia
5/2/80	Allan Watson, University of Leeds, U.K.	Physics	Colloquia
3/10/80	Morris Friedman, Columbia University	English	Lecture

TABLE XVIII

SUMMER SESSION DATA, 1979 AND 1980

	Final 1979 Figures*		Preliminary 1980 Figures**	
	Allocation		Allocation	
	\$	%	\$	%
American Studies	7,435	1.93	6,033	1.46
Anthropology	18,643	4.84	16,131	3.89
Biology	28,750	7.46	32,039	7.72
Chemistry	22,817	5.92	25,496	6.15
Communicative Disorders	4,102	1.06	3,659	0.88
Economics	16,456	4.27	18,983	4.58
English	46,671	12.12	50,749	12.24
Geography	10,000	2.60	9,243	2.23
Geology	8,286	2.15	9,826	2.37
History	22,682	5.89	24,930	6.01
Journalism	7,178	1.86	6,738	1.63
Linguistics	4,638	1.20	4,677	1.13
Mathematics & Statistics	38,314	9.95	43,216	10.42
Modern & Classical Lang.	46,320	12.02	72,209	17.42
Philosophy	8,866	2.30	5,791	1.40
Physics & Astronomy	14,047	3.65	13,409	3.23
Political Science	14,653	3.80	13,202	3.18
Psychology	19,318	5.01	16,396	3.95
Sociology	11,079	2.88	14,258	3.44
Speech Communication	11,641	3.02	12,654	3.05
IAA (ICLAS)	217	0.06	150	0.04
Foreign Programs	11,500	2.99	7,200	1.74
Research Stipends	6,500	1.69	7,000	1.69
Contingency	5,093	1.32	589	0.14
TOTAL	385,206	99.99	414,578	99.99

*These figures vary only slightly from Table XIX of 1978-79 Annual Report for Journalism, Modern and Classical Languages, and the Contingency because that table gave only preliminary figures.

**Data as of May 28, 1980.

TABLE XIX
A&S TRAVEL DISBURSEMENTS

Department	Paper Presentation		Officer Participation		Miscellaneous Attendance	
	No. of	\$	No. of	\$	No. of	\$
	<u>Trips</u>		<u>Trips</u>		<u>Trips</u>	
American Studies	1	176.40	--	--	1	176.40
Anthropology	10	1,686.40	1	199.20	1	92.40
Biology	13	2,480.14	4	548.40	4	810.99
Chemistry	13	2,075.44	--	--	2	415.20
Communicative Disorders	--	--	1	187.00	1	170.00
Economics	4	713.00	--	--	2	371.70
English	11	2,213.92	2	278.40	4	508.76
Geography	3	465.15	--	--	1	212.40
Geology	4	491.80	--	--	2	336.00
History	14	2,510.84	1	153.60	11	1,538.12
Inter-American Affairs	2	255.30	--	--	--	--
Journalism	--	--	--	--	2	102.86
Linguistics	2	354.00	--	--	1	182.35
Mathematics	7	1,692.60	--	--	6	1,265.86
Modern & Classical Lang.	8	1,445.70	1	91.20	10	1,664.95
Philosophy	5	1,040.70	--	--	1	92.40
Physics	7	1,365.30	--	--	1	238.80
Political Science	8	1,405.80	--	--	6	1,219.80
Psychology	14	2,194.54	2	242.40	7	782.10
Sociology	2	383.10	1	178.45	6	1,233.40
Speech Communication	12	2,093.40	1	207.60	1	207.60
TOTAL	140	25,043.53	14	2,086.25	70	11,622.09

The Report of the Department of American Studies
July 1, 1979 - June 30, 1980
Sam B. Girgus, Chair

Under the direction of the chair, Sam B. Girgus, graduate students were encouraged to strengthen the focus and interdisciplinary nature of their programs primarily by selection of committees that include some of the university's best scholars. The core faculty in American Studies continue their increased production of research and scholarship, which is documented in the record of publication and activities given in the following pages.

Helen M. Bannan continues to be active in the areas of regional and women studies in the areas of publication, teaching and service. Her article "Elizabeth Bacon Custer," appeared in American Women Writers: A Critical Reference Guide from Colonial Times to the Present (New York: Frederick Ungar), 1979, volume 1, pp. 442-43. In the same edition and volume appeared her article "Elaine Goodale Eastman," pp. 565-67. Two articles "Cultural Images in Learning," and "Community Development and American Studies," (the latter with S. Owings) will appear in the book Southwest Images and Trends: Factors in Community Development that she is editing (with S. Owings) for the New Mexico State Cooperative Extension Service, to be published in 1980. Her article "Spider Woman's Web: Mothers and Daughters in Southwest Native American Literature," appeared in The Lost Tradition: Mothers and Daughters in Literature, ed. Kathy N. Davidson and E. M. Broner (New York: Frederick Ungar), 1980, pp. 268-279.

At the American Studies Association national conference Professor Bannan presented her paper, "My Daughter, The American: The Mother/Daughter Relationship in 20th Century Native American Literatures," in Minneapolis, Minnesota, September, 1979. In October of 1979 she chaired a session at the Western Literature Association Convention held in Albuquerque entitled "Immigrant Experiences." At "The Search for Women's History" Conference held at the University of Southern Florida in Tampa, March 1980, Professor Bannan participated in a panel on "Reclaiming Women's History," presenting her paper "Folklore as a Source for Women's History." She also presented "Native American Mothers and Daughters" at that same conference. "Autobiography and Intercultural Relations: Anglo Women on the Navajo Reservation, 1900-1945," was presented at the Western Social Science Convention held in Albuquerque in April 1980.

Professor Bannan continues to be active in the Rocky Mountain American Studies Association, this year serving as president. She also continues to serve on the Women Studies Committee and was on the General Honors Council search committee for a new director. She serves as an editorial consultant for the New Mexico Humanities Council Newspaper Committee. As faculty advisor for undergraduates Professor Bannan is active with American Studies majors.

From the College of Arts and Sciences, Professor Bannan received a summer research stipend of \$1,400 to further her research on women anthropologists on Southwestern Indian Reservations. To develop her new course, "The Indian in American Popular Culture," she was awarded \$550 from the Greater UNM Fund Allocations Committee. The money will be used to order and show films which portray the Native American in all aspects of American life. In the fall of 1979, Professor Bannan also developed a new course entitled "The Indian in Multi-Cultural Settings."

In September Charles D. Biebel went as an invited participant to Beilefeld, West Germany to take part in the "International Symposium on Bildungspolitik der vier Besatzungsmachte." At the National History of Education Conference in Washington, D.C. in November he presented a paper and in December he gave his paper, "The Albuquerque Public Schools in Historical Perspective" at the International Year of the Child Symposium in Albuquerque. As the keynote speaker of the Museum of Albuquerque History Symposium he delivered, "A Railroad History of Albuquerque."

Professor Biebel's article, "Historic Albuquerque Today," appeared in the New Mexico Historical Review, vol. 54, pp. 229-230. Another article, "Community and Culture: Images of Change in New Mexico," is forthcoming in Southwest Images and Trends: Factors in Community Development, ed. Helen M. Bannan. Also forthcoming is "Education and

Cultural Policy at the End of Occupation: James B. Conant in Germany," in Bilddungspolitik der vier Besatzungsmachte, ed. William Roessler. Professor Biebel continues to serve as an editorial reader for History of Education Quarterly and as a member of the Committee on Constitutional Revision for the National History of Education Society. He is also a member of the History Advisory Committee for the Albuquerque Museum and the Citizens Advisory Council of the Albuquerque Public Schools. At the University Professor Biebel serves on the Advisory Council for the Women's Center and is faculty advisor for New America: A Review. This year he will be the New Mexico coordinator for the American Studies Association Project for American Studies in the Secondary Schools.

Professor Sam B. Girgus continues to chair the department of American Studies and serve as graduate advisor. The Dictionary of Literary Biography requested that Professor Girgus write an essay for their volume on American Novelists Since World War II. His 5,000 word essay, "John Hersey: The Liberal Mind in Transition," will appear in that volume. Also forthcoming is a review of Ihab Hassan's The Right Promethean Fire. The review entitled "Modernism, Postmodernism and the Gauntlet of Beliefs," will be published in Salmagundi.

Professor Girgus' paper "Beyond New York: The Jewish Experience and the American West," was presented to the Canadian Association for American Studies for the fifteenth annual conference on "Westward Movements," in November in Vancouver, Canada. As panel chair for the Seventh Biennial Convention of the American Studies Association held in September in Minneapolis, Minnesota, he presented "The Jewish Experience in America: Old Myths and New Realities."

An award of \$16,000 was given to Professor Girgus by the Rockefeller Foundation in order that he further work on his second book to be titled, "The New Covenant: the Jews and the Myth of America." In May Girgus also received a promotion to full professor to become effective in August 1980.

A new course, "The Modern Tradition and the American Self," was developed and taught by Professor Girgus in the Spring semester, 1980.

Continuing his effort to attract noted scholars to the University Professor Girgus arranged for Professor Dieter Schulz of Stuttgart University to speak in September on, "Knight Errantry in America: Melville's Pierre and the Tradition of Quest Romance." In October Professor Houston A. Baker, Jr., of the University of Pennsylvania gave a lecture entitled "Autobiography: The Voice of the Southern Slave." Jointly sponsored by the department of

English, Professor Sacvan Bercovitch of Columbia University, in February, gave a lecture entitled, "Melville's World: The Example of Pierre." Later in the day, Bercovitch held a special seminar for interested graduate students and faculty. In March Professor Judith Fryer, of Miami University, presented her lecture, "Willa Cather's Felicitous Space." Funds for the lectures by Schulz and Baker were obtained from the Faculty Speaker's Committee. The College of Arts and Sciences partially funded the Bercovitch lecture and entirely funded the lecture given by Fryer.

In the third year of his joint appointment in American Studies and English, Professor Hamlin Hill continued to give doctoral students in this department valuable assistance. Professor Hill also chairs the department of English. For spring and summer 1980 he received a Fulbright Senior Fellowship to the University of Wurzburg, Germany.

In addition to his considerable administrative responsibilities as Associate Provost for Academic Affairs, Joel Jones continues his interest and service to American Studies through a joint appointment. He continues to serve on: the National Board of Consultants of the National Endowment for the Humanities, the Board of Editors of American Literary Realism, and the Editorial Advisory Board for Environmental Ethics: An Interdisciplinary Journal Dedicated to the Philosophical Aspects of Environmental Problems.

At a conference at Miami University honoring Walter Havighurst Jones delivered, "The Resurgence of Regionalism: Sense of Past, Sense of Place, Sense of Person. As an article, 445 that paper appeared in the Fall issue of Ohioan Quarterly. While in Ohio he met with the faculty of Western College to discuss the future of interdisciplinary programs.

In the spring of 1980, Jones developed and taught a new course entitled, "The American Athlete." He was also a major force, with Vera Norwood, in instituting the Basic Skills program in the fall of 1979.

Ms. Norwood continues to teach one course per semester for the department of American Studies in addition to her duties as Assistant to the Provost.

Departmental decisions were given assistance by the American Studies Faculty Committee. Members are: George Arms (Emeritus), Ernest Baughman, Sanford Cohen, Robert Fleming, Douglas George, Hamlin Hill, Ira Jaffe, Joel Jones, Howard Rabinowitz, Harold Rhodes, M. Jane Slaughter, Anne Taylor, M. Marta Weigle, and Peter White. A request was made in April for Peter Lupsha of Political Science to be added to the committee.

Four graduate students completed doctoral work in the 1979-80 year. The students, their dissertation topics and the dissertation directors are listed below:

Francis P. Bowles

AMERICA AT BAT: THE
BASEBALL HERO IN AMERICAN
LIFE AND LETTERS

Jerry W. Henderson

POLITICS IN THE NOVELS
OF JOHN DOS PASSOS

Russell S. Saxton

CULTURAL BIAS IN SOUTHWEST
HISTORY TEXTBOOKS

Robert T. Wood

THE TRANSFORMATION OF
ALBUQUERQUE, 1945-1972.

From the many applicants who completed the requirements for applying, nine were admitted to the American Studies program. Seven were admitted to the doctoral program, two were admitted to the new Master's degree program. The department's low resources for financial assistance continue to make it difficult to attract some of the well qualified students who express interest in this program. Teaching assistantships in the English Department remain the major source of assistance. Many of our students have been successful in finding other sources of aid.

Shelley S. Armitage received the UNM Graduate Fellowship for the academic year 1980-81. The award includes a stipend of \$5,000 plus a tuition waiver. Kyle Ferster Fiore and Henrietta V. Whiteman are both recipients of Danforth Fellowships in the amount of \$3,500. Patricia O. Williams received \$1,000 from the Alpha Sigma Washington State Scholarship, \$2,800 from the Delta Kappa Gamma International Society Scholarship, and a \$250 award from the Rachel Royston Scholarship.

Other graduate students have received grants to help further their research and scholarly interests. Janice R. Holmlund received a Humanities Council Mini-Grant in the amount of \$1,300 to sponsor two public forums about the village of Tijeras, New Mexico. Joseph Weiss received a Graduate Student Association Research Allocations Grant in the amount of \$240 and an award of \$4,886 from the American Lutheran Church to continue research related to his dissertation topic.

American Studies graduate students continue their activities in publication. Floyce Alexander's article, "Allen Ginsberg's Metapolitics: From Moloch to the Millennium," appeared in Research Studies, vol. 38, no. 2. Shelley S. Armitage has several forthcoming articles which include; "Marietta Holley: A Bibliography," American Literary Realism, "Henry Schmidt: New Mexico Photographer," New Mexico Humanities Review, "Christopher Pearse Cranch: the Wit as Modernist," Emerson Quarterly, and "Postmodernism and the Usable Past: the 'New' Western," to be published in Western Humanities Review. Approximately two thirds of Winona Gramhausen's M.F.A. Dissertation, A Study of Extant Courthouses Built in Ohio 1830-1860, is to be published by Bowling Green State University. An essay by Agnesa Lufkin, "A Rare Place: Mabel Dodge Luhan's House," appeared in El Palacio, vol. 86, no. 1, Spring, 1980. Nancy M. Theriot published,

"Mary Wollstonecraft and Margaret Fuller: A Theoretical Comparison," in the International Journal of Women's Studies, vol. 2, Winter, 1979. Henrietta V. Whiteman was included in the Directory of American Indian-Alaska Native Women and published "Indian Family Life: A Cheyenne Focus," in Network Prospector of the Rocky Mountain Teacher Corps Network Board of Directors, Loretto Heights College.

Also active in conferences, American Studies graduate students presented papers. At the Modern Language Association meeting in San Francisco, Shelley S. Armitage presented, "Marietta Holley: The Humorist as Realist," and at the National American Studies Association meeting she gave, "Comic Columnists Since the Civil War." Candace Klaschus gave her paper, "If You Can't Get to Heaven, There's Always Colorado: The Family in the Novels of Louis L'Amour," at the Western Literature Association Conference. At the Midwest Popular Culture Association, Agnesa Lufkin delivered the paper, "A Doctrine of Personal Power: Sade and Spillane." As chair for the annual meeting of the Rocky Mountain American Studies Association, Nancy M. Theriot presented, "American Women: Public Images and Self-Description." Ms. Theriot also served as a session chair and commentator for the Western Social Science Association's annual conference in Albuquerque. At that same conference, Kyle Ferster Fiore delivered her

In addition to their scholarly activities, several American Studies graduate students serve their communities as well as the university and other communities. On leave from her position as Director of Native American Studies at the University of Montana, Henrietta V. Whiteman coordinated a workshop for the Indian Women and Public Management Career Development Conference and serves as a member of the Review Team to assess the impact of the Native American Studies at Dartmouth College. Kyle Ferster Fiore will act as the summer coordinator of the Women Studies Program at UNM and Winona Garmhausen continues to direct the art program at the College of Santa Fe.

Other graduate students have found teaching positions. Lawrence Burke is currently at St. Albert's Priory at the University of Dallas, Jerry Henderson is an instructor of English at Louisiana State University, Diane Layden teaches at the University of Houston, James Robertson has an administrative position at Oglala Sioux Community College in Pine Ridge, South Dakota.

Under the direction of Profess Charles D. Biebel, New America: A Review, the publication of the American Studies department, received the following grants: New Mexico Arts Division, \$2,500; Coordinating Council of Literary Magazines, \$3,500; and from the Graduate Student Association of UNM, \$1,100. Two issues of New America, The Energy Issue and Cuentos Chicanos, were published this year.

The Report of the Department of Anthropology

July 1, 1979 - June 30, 1980

Philip K. Bock, Chairman

I. General Departmental Information

A. Significant Achievements During the Academic Year, 1979-80

The academic year 1979-80 was primarily a time of consolidation for the Department of Anthropology. Two senior positions were lost due to resignations (Drs. Lamphere and Workman), and only one junior person was hired (Dr. Chisholm); however, with the approval of the Dean and the Provost, the department was able to keep part of the salary from the lost position to pay Visiting Professors (usually our own adjuncts) to give specialized courses in several fields. Several valuable part-time people also left UNM (Drs. LeBlanc, Lister, and Spolsky), but a promising young scholar, Dr. Larry Gorbet, did receive tenure in Anthropology.

A large number of changes were made in the undergraduate curriculum this year in response to changing student interests and enrollment patterns: a dozen specialized, advanced courses were deleted from the catalog and a few new lower-division courses and laboratories were instituted. For the first time in several years the trend of falling undergraduate enrollments was halted and even slightly reversed.

Graduate applications (especially in archaeology) continue steady, but it is increasingly difficult for us to compete for the very best

ones with those universities that are able to offer generous financial aid to new students. This year anthropology awarded 6 Ph.D.s and 11 M.A.s in a variety of sub-fields, but the number of doctorates earned over the next few years will probably be somewhat lower unless new sources of funding are made available, both for training and research. (For more information on the graduate program, please see Table 1.)

No major changes were made in the organization of the department. The Graduate and Undergraduate Committees and the Board of Archaeologists functioned well, and I wish to reaffirm the desirability of regular course reductions for the chairpersons of those three departmental committees, as well as for faculty members who serve on major University search committees and on standing committees of the Faculty Senate.

Anthropology participated actively in the Basic Skills program with Drs. Barrett and Bock teaching courses assisted by Ms. Mary Meyer (a G.A. with experience in remedial education). The experiment was worthwhile, but our consensus is that the amount of effort required is too great relative to the probable benefits for a very few students. Most college professors are simply not trained as remedial educators and, even with the best will in the world, their effectiveness in such a program is limited, while time is taken away from activities that they should be pursuing.

Research activity in the department was quite high with many professors attending regional and national meetings, publishing, and conducting field studies both here and abroad (see Part II). Dr. Bledsoe spent the year at A.I.D. in Washington, while Drs. Weigle and Froehlich each had a semester for research. Dr. Cordell again conducted the Summer Field School and has planned the 1980 session

for a site in the Pecos area. The Maxwell Museum mounted three exhibitions of very high quality and enlarged its research and publication programs. Despite problems with printing, the Journal of Anthropological Research continued to publish significant issues. After five years as Editor, Dr. Spuhler announced his intention to step down; he will be replaced by Professor Emeritus Harry W. Basehart, who continues to play an important role in the department.

A long list of visiting lecturers presented talks under departmental auspices (please see Table 2). This spring the department voted to reduce the number of regular Harvey Fellows (one-week visits) to one per academic year, but to allow the chairman to use Harvey Fund monies, at his discretion, to pay small honoraria (under \$300.00) to distinguished speakers who are temporarily in the UNM area.

The department showed some unusual political activity this year with several faculty members participating in Faculty Senate and University affairs, especially with regard to the athletic scandal and the selection of a new Dean of Arts and Sciences; however, apathy and privatism remain strong, and the active minority still has to carry the load for the silent majority. Department meetings and student colloquia attract a bare quorum, and attempts to improve intra-departmental communication (e.g., through a regular Newsletter) have not been very successful. Most faculty members simply do not think of keeping their chairman informed of their activities (or even their needs) until an emergency arises, and problems that could be solved easily are often allowed to grow and become complicated.

In looking back over my three year term as chairman I feel reasonably satisfied: hiring, promotions, and tenure decisions have

all been reasonable and made with a high degree of consensus; decent lab space in the Anthropology Annex has been acquired for archaeology programs (including OCA); salaries have been increased (on merit) and have generally kept up with inflation; no major personal crises or administrative scandals have occurred (as of the moment of this writing). The office staff has functioned effectively under the direction of Mrs. Freddie Heitman. Important additions have been made to the Clark Field Archive and the Parkhurst Film Library, and essential equipment has been provided to all programs with justified needs. Relations between the department and the administration have been characterized by cooperation rather than confrontation and, despite some difficulties, I feel that department morale is reasonably high. The unanimous choice of Jeremy Sabloff as chairman-elect was a wise one. Under his leadership, the department may now move into a period of moderate growth in teaching and research programs.

Table 1

Graduate Program Information
1979-80

Registration Data

	<u>Registered</u>	<u>Female</u>	<u>Male</u>
Fall 1979	96	45	51
Spring 1980	90	50	40

Degrees Awarded

	<u>Ethnology</u>	<u>Archaeology</u>	<u>Linguistics</u>	<u>Biological</u>
Summer 1979	1 M.A.			1 Ph.D.
Fall 1979		1 M.A. 1 Ph.D.		1 M.A. 3 Ph.D.
Spring 1980	1 M.A.	5 M.A. 1 Ph.D.	2 M.A.	
Terminal M.A.'s Awarded (Summer 1979-Spring 1980): 2				

Graduate Students in Each Subdiscipline
as of Spring 1980

<u>Ethnology</u>				<u>Archaeology</u>			
<u>M.A.</u>	<u>Post-M.A.</u>	<u>Ph.D.</u>	<u>Cand.</u>	<u>M.A.</u>	<u>Post-M.A.</u>	<u>Ph.D.</u>	<u>Cand.</u>
25	4	2		21	15		7
Total-31				Total-43			
<u>Linguistics</u>				<u>Biological</u>			
<u>M.A.</u>	<u>Post-M.A.</u>	<u>Ph.D.</u>	<u>Cand.</u>	<u>M.A.</u>	<u>Post-M.A.</u>	<u>Ph.D.</u>	<u>Cand.</u>
2				5	7		2
Total-2				Total-14			

Applications to Anthropology

Graduate Program

	<u>Applicants</u>	<u>Accepted</u>	<u>Enrolled</u>	<u>Declined</u>
Spring 1980	17	13	11	
Fall 1980	103	52		18
(as of June 10)				

Financial Aid:

Graduate Assistantships: 10 full
 Work Study: Department: 3, Museum: 2
 NSF Fellowship: 1
 Ford Foundation Fellowship: 1
 Employment with Office of Contract Archaeology: 10
 Employment with Chaco Center: 1
 NEH Grant: 1
 Weatherhead Fellowship: 1

Table, 2

Anthropology Colloquia, Guest Lectures, and Harvey Lectures
1979-80

Colloquia

Dr. Larry Gorbet	A Problem in Southwestern Areal Linguistics
Dr. W. J. Judge	Chaco Canyon (sponsored by Sigma Xi, one of the lectures on "Recent Advances in Scientific Research")
Dr. Lawrence Straus	European Cave Art
Dr. Patricia Draper and Dr. Henry Harpending	The Absent Father
Dr. Birute Galdikas	Orangutan Social Organization and Ecology
Dr. Fred Plog	Recent Work at Chavez Pass
Dr. Iain Davidson	Site Variability and Prehistoric Economy in Eastern Spain
Dr. Peter Harrison	Recent Advances in the Study of Pre-Hispanic Mayan Agriculture
Dr. Frances Purifoy	Androgens and Aging in Pima Indian Females
Mr. C. Elliott Moore	New Methods of Facial Restoration
Dr. Evelyn A. Early	The Logic of Experience and Well Being in Illness Narratives in Cairo, Egypt
Dr. Steven Gaulin	Two Contributions to a Theory of Behavioral Adaptation
Dr. James Chisholm	Prenatal Biosocial Influences on Newborn Behavior
Dr. George Gummerman	Archaeology in Micronesia
Dr. Clyde Snow	Physical Anthropology and Medicolegal Investigation

Special Harvey Lectures

- | | |
|----------------------|--|
| Dr. Irven DeVore | Evolution of Mating Strategies in Humans and Other Animals |
| Dr. Harumi Befu | Cultural Ideology and Ethnic Identity in Japan |
| Dr. Roy A. Rappaport | The Construction of Time and Eternity in Ritual |
| Dr. Larissa Lomnitz | Social History of Mexican Elite Families |
| Dr. Richard A. Diehl | Carrying Capacity in the Olmec Region, Mexico |

Harvey Lecturers

- | | |
|--|--|
| Dr. Michael E. Krauss
(Fall, 1979) | Lecture topic: Alaskan Native Languages--
Past, Present, Future |
| | Colloquium: Linguistics and Athabaskan
Languages |
| Dr. Alison Brooks &
Dr. John Yellen
(Spring, 1980) | Lecture topic: The Kalahari: After the
Fall |
| | Colloquium: Ethnoarchaeology: Environ-
ment, Location, and Human
Activity in the African
Subtropics |

The Report of the Division of Cultural Research

July 1, 1979 - June 30, 1980

W. James Judge, Chief

The Chaco Center, a National Park Service supported research facility working in cooperation with the University of New Mexico, continued archaeological and environmental research in the central portion of the San Juan Basin. The Division began the year with five permanent employees and ten temporary employees to continue the laboratory analyses and syntheses of the previous years' work.

Field research was limited to a few small investigations left unfinished from 1978. Work at Una Vida was completed in May during the scheduled backfilling and a few weeks were spent in mid-summer completing work on an outside plaza structure in close proximity to a major road complex at Pueblo Alto. Testing and mapping of several roads around Pueblo Alto was also completed in conjunction with the plaza work.

Other projects carried out during the summer included reinvestigation and mapping of canyon water-control structures, testing for sites that might be impacted by proposed road construction, and mapping exposed walls and features in many Bonito phase towns. The Tree-Ring Laboratory recored many of the existing beams left in Chetro Ketl from the 1930's work there. Investigations of the agricultural productivity in Chaco Canyon were continued this year with the establishment and maintenance of two corn plots. Final testing was made at 29SJ1360. Examination of packrat middens, in cooperation with specialists from the University of Arizona, was made to aid in a study of cultural ecology and past environments.

Laboratory analysis continued throughout the year with most of the detailed analysis being completed for the majority of sites excavated by the Chaco Center. This includes primarily the chipped stone, ground stone, faunal and ceramic (including temper) analyses, as well as the ornaments. All are in various stages of computer processing and final interpretation.

Twelve manuscripts dealing with various aspects of Chacoan research were produced by staff members or collaborators and are on file in the Division Library. In addition, the "Stone Circles of Chaco Canyon" by T. Windes and "Development of a Complex Cultural Ecosystem in the Chaco Basin" by W. J. Judge were published. Several others are in press.

Staff members have also invested considerable time in analyzing previously analyzed Chacoan skeletal material and helping with other aspects of the UNM Laboratory of Physical Anthropology. Information derived from these studies will be shared with the Lab when completed.

The Center continues to receive much use by UNM faculty, staff and students pursuing anthropological research, both Chaco and non-Chaco related. Cooperative programs with the University of New Mexico Departments of Geology, Anthropology and Biology, and with Photo Services and the Office of Contract Archeology continued. Dr. Judge and the staff offered both formal and informal training in Southwestern archaeology to University students on various aspects of Chacoan and Chaco-related research. Furthermore, Dr. Judge continues to serve as Chairman or member of both M.A. and Ph.D. graduate committees.

Joint programs also were conducted with other National Park Service Divisions, with the Bureau of Land Management, the Bureau of Indian Affairs, the New Mexico Archaeological Society, the Public Service Company of New Mexico, and several private research foundations.

The Report of the Office of Contract Archeology

July 1, 1979 - June 30, 1980

Joseph C. Winter, Director

Introduction

Since its establishment in 1973, the Office of Contract Archeology has provided a variety of professional cultural resource management services to public agencies and private concerns throughout New Mexico. These services include archaeological surveys and archival research for environmental impact statements; cultural overviews for long range land planning; and archaeological excavations and ethnohistoric/ethnographic studies to mitigate the effects of development projects. All of these projects are carried out within a research framework and ultimately result in the preparation of monographs and reports that describe and interpret the cultural resources under investigation. Current projects are listed on the attached Table.

The O.C.A. has grown enormously over the past 6 years, from what was essentially a one person, one project organization to an office which periodically employs up to 12 permanent staff, approximately 30 occasional staff and 6-7 work study students. The office is now involved in four large mitigation projects, while one other is about to start up. Dozens of smaller survey and mitigation projects are in varying states of completion.

The following sections describe the accomplishments, goals and challenges of the O.C.A.

Review of Activities

During the past year the O.C. A. completed 29 projects and is currently involved in 16 projects. Major efforts are described below.

Field work for the Utah International Inc. Mitigation Project in the CGP survey area along the lower Chaco River near Farmington, New Mexico was completed in 1979 by the Office of Contract Archeology. The final report is now being edited. Frank Broilo and Joseph Winter were Principal Investigators, with James Moore the Field Director and Fred York the Project Ethnographer. The main research theme was the investigation of human adaptations in a marginal environment, and the relations of the local groups with regional populations, such as in Chaco Canyon. Four Archaic, 1 Anasazi and 3 Navajo sites were excavated. The Archaic sites appear to have been small microband campsites that were infrequently used by transient foragers. One site was C¹⁴ dated at 2395± 50:445 B.C. (UGA-2893) and 2825±70:875 B.C. (UGA-2894). The Anasazi site was a small PII period special use site with Chuskan and Mesa Verdean ceramics. It was apparently used for plant processing, storage and tool manufacture. The 3 Navajo sites were residences of sheep herders which dated from the early to mid 1900s. Interviews with former inhabitants and their descendants enabled the development of biographical histories of the sites.

The study of high altitude human adaptations is the focus of the Office of Contract Archeology's Baca Geothermal Mitigation project along the headwaters of Redondo Creek in the Jemez Mountains. Twenty-nine sites that range in elevation from 8400' (2545m) to 9900' (3000m) are being investigated by a combined archeological/ethnographic/ethnohistoric program to mitigate the effects of geothermal development. Funding is being provided by the Union Geothermal Company of New Mexico. Joseph Winter is Principal Investigator, and Craig Baker is Project Director, while Dan Scurlock is the Project Ethnohistorian and Lois Weslowski is the Project Ethnographer. Twenty-one of the sites are obsidian artifact

scatters that were used as camps for hunters, plant gatherers and tool manufacturers. Since Redondo Creek is the main access route into the obsidian-rich Valle Grande, certain of the sites are major camps and tool workshops. C¹⁴ and obsidian hydration samples suggest that the sites were used from approximately 3000 B.C. well into historic times. The ethnographic research indicates that the study area was (and to some extent still is) an important hunting, plant gathering and ritual location for Jemez Pueblo. Eight non-Indian sites are also being investigated, along with numerous carvings on aspen trees. The carvings were left by sheepherders who camped in the area ca. 1912-1953, while the 8 sites (primarily log cabins) are associated with logging activities in the 1930s and 1960s.

Frank Broilo and Mark Harlan of the Office of Contract Archeology were Principal Investigators of the Pittsburg and Midway Mining project, which was a program of research designed to mitigate the adverse impact of strip mining activities on more than 200 prehistoric and historic archaeological sites. Field work began in November of 1978 and was completed in June, 1979. Since that time, project efforts have focused on analyzing artifactual data and interpreting the results. The final report is now being prepared. David Eck was Field and Lab Supervisor, Christina Allen was Administrative Assistant, Linda Cordell was a Research Archaeologist, and Klara Kelley served as Senior Ethnographer.

The Pittsburg and Midway mining lease is located on approximately 20 sections just east of Window Rock, Arizona. The area is one which has been marginal for human subsistence activities throughout its occupational history. The research effort has, therefore, focused on achieving an understanding of the area's role as a buffer for populations from

surrounding areas. The effort has encompassed both the Anasazi and Navajo occupations and has relied very heavily on ethnographic research, both to document the Navajo occupation and to place local developments in a global context.

The Office of Contract Archeology also completed a Cultural Resources Overview of the Roswell BLM District. Christina Allen, Eileen Camilli and Dan Scurlock were authors, while Mark Wimberly and Peter Eidenbach of Human Systems Research Inc. provided an Appendix. The O.C.A., in conjunction with the Mimbres Foundation, has also completed a Cultural Resources Overview of the Las Cruces BLM District. Authors are Steven LeBlanc, Michael Whalen, Paul Minnis, Margaret Nelson, Patricia Gilman and Roger Anyon. The final report is now in press.

Finally, the Office of Contract Archeology has completed numerous small surveys and related projects throughout northwest New Mexico. Ongoing projects include preliminary excavations on Seboyeta Mesa north of Laguna, and salvage excavations at Bernalillo and La Joya. The Seboyeta excavations investigated a small PII-III period farmstead and a large Archaic site that was C¹⁴ - dated at 2805±165:855 B.C. (UGA-3340). A contract involving the archaeological excavation of approximately 140 additional sites on Seboyeta Mesa, and ethnohistoric/ethnobotanical studies has been signed, with field work scheduled for 1981. The Bernalillo excavations involve a late prehistoric-historic Pueblo that was apparently one of the 12 Tiwa towns visited by Coronado. The La Joya excavations involve a small cave site on the Sevilleta Wildlife Refuge.

New Directions

Part I of this report describes the overall purpose of the O.C.A. While this emphasis has been maintained, certain new directions have been instituted by the author, who took over as Director on 8/1/79.

1. Centralization of Records - Because of the size and complexity of our projects and the nature of the research designs associated with them, and because of the sizes of our staff and data base, certain structural changes are now being made within the O.C.A.. These essentially involve a centralization of archives and related records as well as of lines of authority and communication. All archives, maps, site records and photographic collections, for example, have been organized into a central collection, rather than in a series of project-by-project collections. Laboratory analyses, cartography, office management and similar staff areas will eventually be centrally organized as well.
2. Out-of-State Projects - The O.C.A. has traditionally worked within New Mexico. This emphasis will be continued, but work will also be sought in southwestern Colorado, southeastern Utah and northeastern Arizona, when relevant projects come up. For example, negotiations are now underway concerning an 18,000 acre survey in southwestern Colorado.
3. Albuquerque Area Archaeology - The main geographic area of interest to the O.C.A. has been northwestern New Mexico. Again, this will continue, but additional emphasis will be placed on Albuquerque-area research. This will give students more of an opportunity to participate, and serve community needs. In the past year three surveys have been completed in or near Albuquerque, one site has been monitored, one site is now being excavated in Bernalillo, and one site has been evaluated. Additionally, the Director is scheduled to teach a course on Cultural Resource Management in the Spring, 1981 semester that will emphasize local prehistory/history.
4. Research Grants - Another trend of the O.C.A. has been private industry/public agency contracts. While this will continue, the O.C.A. is also

interested in obtaining research grants. One small grant has recently been obtained from a private foundation to excavate the La Joya cave. Other grant proposals will be prepared for relevant projects.

Challenges

Several critical challenges confront the O.C.A. The main concern is the lack of graduate student thesis research. Although many graduate students work on O.C.A. projects, no Masters or PH.D. theses that are based on O.C.A. projects have been accepted in the 7 years that O.C.A. has been in operation. While one Ph.D. thesis based on the Cochiti Project was recently submitted, and a M.A. thesis is planned, it is obvious that there has been a serious lack of student research in O.C.A. projects. One reason for the "new directions" summarized above is to remedy this problem. Our interest in research grants and local archaeology, the course on Cultural Resource Management, and the centralization of records should attract students. However, the main solution will be to convince graduate students of the opportunity and need for independent research at O.C.A., both on a large project (e.g. mitigation) basis, and on inter-project syntheses.

Summary

With the exception of the graduate student challenge, the O.C.A. has had a successful year in terms of the number and variety of projects. The Cochiti mitigation contract has been completed, the Utah International Inc. and Pittsburgh-Midway Mitigation Projects are near completion, and the Baca Geothermal Mitigation Project field phase is near completion. Smaller excavations have occurred in Bernalillo, near La Joya, and on Seboyeta Mesa, and the large Seboyeta Mesa Mitigation Project contract has been signed. New directions include the centralization of files and expanded interest in Albuquerque area archaeology, out-of-state work, and research grants.

SUMMARY OF O.C.A. ACTIVITIES
7/1/79 - 6/30/80

<u>Project</u>	<u>Sponsor</u>	<u>Brief Descriptions</u>	<u>Status</u>
185-43	Pioneer Nuclear Inc.	Survey of 1 Sec.	Completed
185-2UU	Federal Highway Department	Survey of 6.2 Miles on Sandia Crest	"
185-2VV	Kerr-McGee Corporation	Survey of 4.1 miles	"
185-2WW	Union Geothermal Co.	Survey of 2 Acre Well Pad	"
185-38b	Continental Oil Corp.	80 Acre Survey at Crownpoint	"
185-38a	PNM Co.	Testing Near Tijeras Pueblo for 2 Power Poles	"
185-33	PNM Co.	6 mile Survey near Pojoaque	"
185-46	Pathfinder Mining Co.	Survey of 1/4 Section	"
185-47	Arkansas/Louisiana Corp.	Survey of 18 Drill holes	"
185-45a	Western Nuclear Inc.	Survey of 1 Section	"
185-38F	Utah International	Survey of 2,000' powerline	"
185-38e	Santa Fe Mining Co.	Survey of 6 Drill Pads	"
185-61	Bernalillo County	Survey of 5 Acres	"
185-33a	PNM	Preliminary Excavation of 2 sites	"
185-61a	Todilto	Survey of 160 Acres	"
185-33H	PNM	Survey of 1.771 mile power line	"
185-50	Bellamah Corp.	Survey of 640 Acres	"
185-51	Pathfinder Mining Corp.	Survey of 640 Acres	"
185-38I	Terra Oil Co.	Survey of 2 Drill Pads	"
185-38H	Morris B. Jones	Survey of 1 Drill Pad	"
185-33G	PNM	Survey of 200' long power line	"
185-33F	PNM	Survey of 400' long power line	"
185-33C	PNM	Survey of Sandia Crest line	"
185-25	Bureau of Land Management	Phase I Assessment of Roswell District	"
185-2XX	Robert White	Survey of Proposed Plant Site	"
185-49C	PNM	Preparation of Seboyeta Mitigation Plan	"
101-127a/b	National Park Service	Archeological Mitigation at Cochiti Reservoir	"
185-59	City of Albuquerque	Evaluation of 1 site	"
185-31	Anaconda Co.	Survey of 3800 Acres on Laguna Reservation	"
185-61b	Amiran Co.	Survey of 160 Acres	Field work completed

<u>Project</u>	<u>Sponsor</u>	<u>Brief Descriptions</u>	<u>Status</u>
185-63	Pathfinder Mines	Survey of 2240 Acres	Field work completed
185-62	Continental Phone	Survey of 1/2 mile phone line	Field work completed
185-53	Pathfinder Mines	Survey of 640 Acres	Field work completed
185-38C	Cotter Corp.	Survey of 1 Drill Pad	Field work completed
185-58	Timberman Co.	Monitoring of 1 site	Field work completed
185-33I	PNM	Survey of 33 Acres	Field work completed
185-14a	Bureau of Land Management	Cultural Resource Inventory, Las Cruces District	Final Report being typed
185-44	Union Oil Geothermal	Archeological/Ethnographic Mitigation in Baca #1	Second field season in progress
185-21a	Utah International, Inc.	Archeological/Ethnographic Mitigation Near Farmington	Final report being edited
185-28A	Pittsburgh and Midway Co.	Archeological/Ethnographic Mitigation Near Gallup	Draft report in preparation
185-56	Continental Oil	Survey of 2040 Acres	Field work completed
185-49b	PNM	Archeological Mitigation of Seboyeta Mesa	Contract signed field work to begin in 1981
185-57a	Campbell Family Foundation	Excavation of 1 site	Field work completed
185-58a	Timberman Corp.	Excavation of 1 site	Field work in progress
185-48	United Nuclear	Excavation of 1 site	Proposal under review
185-52a	Kerr McGee Nuclear Corp.	Survey of 1400 Acres	Contract signed
185-60	Utah International, Inc.	Survey of 3 ponds	Proposal under review
185-64	ESCA-Tech	Survey of 18,000 Acres	Proposal under review
185-31	Anaconda Co.	Archeological Mitigation on Laguna Reservation	New proposal being prepared

The budgeting of \$11,000.00 for an unspecified "Visiting Professor" is an important experiment; the department has plans and tentative commitments for the next three years, and it is hoped that the administration will continue to make the honoring of these commitments possible. As the Dean and Provost have recognized, this is a good way to insure flexibility without long-term commitments; we recognize that continued funding will depend on wise allocation.

We have begun to outfit the new labs for physical anthropology (Rooms 142 and 142A) and archaeology (Annex Building) using funds from various sources for equipment and supplies. Some improvements in the safety and security of the Anthropology Annex have been made, but we still hope for a major remodelling in the near future. Preliminary programing was completed early in 1980 and is now being reviewed; this remains a very high priority for the effective development of archaeological research at UNM. The Mimbres Project will terminate this June, releasing additional space for faculty and graduate research and for the teaching labs (Anth 121L) designed to accompany our introductory archaeology course.

In the immediate future, I see three areas that need special attention by this department: the first is the submission of major research grant applications that can provide funding for equipment and for faculty and student salaries; the second is the encouragement of collegial interaction both within UNM (intra- and inter-departmental) and on a regional basis, perhaps by the sponsorship of meetings of regional

organizations here; the third is the need to equip our students with practical skills (e.g., research methods, interviewing, anthropometry, museum techniques, CRM, and grantsmanship) to a greater extent than we do at present. I will be happy to work with our chairman-elect on any or all of these areas.

C. Appointments to Staff

1) Faculty:

James S. Chisholm, Assistant Professor, effective August 18, 1980

2) Office Staff:

Alana Drew, Graduate Secretary, effective July 18, 1979

Emma Mickel, Staff Secretary, effective September 10, 1979

D. Separations from Staff

1) Faculty:

Evelyn A. Early, Visiting Assistant Professor, effective May 16, 1980

Louise A. Lamphere, Associate Professor, effective October 10, 1979

Steven A. LeBlanc, Research Associate Professor, effective June 30, 1980

Robert H. Lister, Professor, effective February 29, 1980

Bernard Spolsky, Professor, effective May 16, 1980

Peter L. Workman, Professor, effective May 16, 1980

2) Office Staff:

Diane Cotton, Staff Secretary, effective August 1, 1979

M. Terese Haymond, Graduate Secretary, effective June 29, 1979

II. COMPOSITE OF INFORMATION REQUESTED ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS

1. Advanced Study

Alvarado, Anita L.

Certificate. Stress, Relaxation & Biofeedback. University of New Mexico, Dept. of Psychiatry; Program. New Directions in Native American Art History. UNM, College of Art; 10 credits. Symposium. Death and Dying, Presbyterian Hosp. Program,

Bock, Philip K.

Informal acting classes, Corrales Adobe Theatre

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

Bledsoe, Caroline

On Leave Academic Year 1979-80.

Brody, J.J.

Summer teaching - Colorado College Seminar, June. Travel - New York: American Museum of Natural History (2 times), Metropolitan Museum of Art (2 times). Chicago: Field Museum. San Francisco: California Academy of Sciences.

Cordell, Linda S.

April 7-12, attended San Juan Basin Conference at the School for American Research, Santa Fe; November 21-22, attended First Conference on Complexity in Prehistoric Hohokam Settlements, Tempe, Arizona.

Froehlich, Jeffery W.

Two weeks field research in Veracruz, Mexico

Ortiz, Alfonso

George A. Miller Distinguished Visiting Professor, University of Illinois, March; North American representative (1 of 2), Conference on Pre-Columbian Literature of the Americas, Instituto Indigenista Internacional, Mexico City, July; Fiftieth Anniversary Distinguished Lecturer, Department of Anthropology, University of Chicago, October

Rhine, J. Stanley

Travel to American Academy of Forensic Sciences Meetings, Atlanta, GA, in February; Travel to American Association of Physical Anthropologists Meeting, San Francisco, in April.

Sabbaticals, leaves of absence, summer teaching elsewhere, travel, etc., during the period (cont'd)

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| Salvador, Mari Lyn | Travel: New York, Washington for one week. California, San Jaquim Valley, Bay area, for six weeks. Mexico, Michoacan, 1 week. |
| Schwerin, Karl H. | Sabbatical, Academic year 1978-79. Taught (in Spanish) "History of Anthropological Theory," and "Anthropological Theory-Sociological Perspectives" in the graduate program at Instituto Venezolano de Investigaciones Cientificas, Caracas, Venezuela, Feb.-May 1979. |
| Straus, Lawrence Guy | Study tour of 70 Upper Paleolithic cave art localities in France & Spain; consultation with research collaborators in France & Spain; examined museum collections in France; organized and interpreted interviews for John Pfeiffer. |
| Weigle, Mary Martha (Marta) | Course in Folktales at Museum of New Mexico, Santa Fe - Educational Division - spring 1979 |
3. New scholastic honors, fellowships, etc.
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|----------------------|---|
| Ortiz, Alfonso | George A. Miller Distinguished Visiting Professor, University of Illinois, March; North American representative (1 of 2), Conference on Pre-Columbian Literature of the Americas, Instituto Indigenista Internacional, Mexico City, July; Fiftieth Anniversary Distinguished Lecturer, Department of Anthropology, University of Chicago, October |
| Straus, Lawrence Guy | \$3300 Research grant from National Geographic Society (declined by him) for Guipuzcoa Archeological Survey. |
| Weigle, Mary Martha | (with William Wroth, Taylor Museum, Colorado Springs Fine Arts Center), "Governmental Support of the Arts in New Mexico, 1933-1943" - \$32,400 from National Endowment for the Humanities (RS-0056-79-589), July 1, 1979 - December 31, 1980. |

Barrett, Richard A.

Article: "Desarrollo Económico y las Clases Altas en una Ciudad Española" Ethnica, No. 14, October 1979, pp. 9-19.
 Review: Wirth, John D., et. al., eds., Manchester and Sao Paulo: Problems of Rapid Urban Growth, in Sociology: Reviews of New Books, Vol. 6, no. 4, May/June 1979. Review: Newby, Howard, et. al., Property, Paternalism and Power: Class and Control in Manuscript of book in preparation that will serve as a broad introduction to cultural anthropology. Review: Belmonte, Thomas, The Broken Fountain, to appear in Sociology: Reviews of New Books. Rural England, in Sociology: Reviews of New Books, Vol. 6, No. 4, May/June 1979, p. 118.

Binford, Lewis R.

"Problems/Solutions: Interview with Jackie Nichols", Flintknappers' Exchange, Vol. 2, No. 1, pp. 19-25.
 "Comments on Confusion", American Antiquity, Vol. 44, No. 3, pp. 591-594.
 "Organization and Formation Processes: Looking at Curated Technologies", Journal of Anthropological Research, Vol. 35, No. 2, pp. 172-197.

Bock, Philip K.

Antropologia Culturale Moderna. Turin: Einaudi (published 1978), 516 pp., illus, index. (Ital. trans. of 2nd ed. of the following) Modern Cultural Anthropology, Third Edition, 1979, New York: Knopf, 363 pp., illus, index, glossary. Review of J. Salinas and H.R. Bernard, The Otomi. New Mexico Historical Review. Oct. 1979, pp. 331-332. "Native American Musical Instruments of the Southwest," New Mexico Craft, Aug/Sept 1979, pp. 25-28.
 "Oedipus Once More," American Anthropologist, Vol. 81: pp. 905-906, December, 1979.

Publications (cont'd)

Brody, J.J.

Article - "Southwestern American Indian Pottery: A Living Tradition." American Art and Antiques, pp. 111-117, Sept/Oct 1979. Book Review - Song from the Earth: American Indian Paintings by Jamake Highwater. In The Journal of Ethnic Studies, pp. 110-111, Vol. 7, No. 1, Spring 1979. In Press - "Modern Hopi Painting" for a museum exhibition catalog and book to be published by the California Academy of Science. "Turley's Mill and LA8146" to be published by the N.M. Arch. Society.

Campbell, John Martin

In Press: The Archaeology of York Canyon: The Work of 1979.

Cordell, Linda S.

Review of Prehistoric Locational Behavior: A Computer Simulation by Larry Zimmerman, American Antiquity 44(1):181-82. A Cultural Resources Overview of the Middle Rio Grande Valley, New Mexico, U.S. Government Printing Office, Washington, D.C., 291 pages, (with Fred Plog). Escaping the Confines of Normative Thought: A Reevaluation of Puebloan Prehistory, American Antiquity 44(3):405-429. The Prehistory of Santa Fe Country, pp. 1-6 in Archaeology and History of Santa Fe Country, New Mexico Geological Society Special Publication No. 8. Current Research: The Greater Southwest, American Antiquity 44(4): 832-840.

Draper, Patricia

"The Interaction of Behavior Variables in the Development of Dominance Relations," in Dominance Relations: Ethological Perspectives on Human Conflict, D.R. Omark, D.G. Freedman and F. Strayer (eds.), N.Y. Garland Publ. Co., 1979.

Froehlich, Jeffery W.

A Multivariate Approach to Fingerprint Variation in Papua New Guinea: Prehistoric Implications. Am. J. Phys. Anthropol. In Press: Perspectives on the Evolutionary Stability of Dermatoglyphic Markers. Am. J. Phys. Anthropol. In press: The Genetic Structure and Socioecology of Howler Monkeys... Smithsonian Press volume in press.

475 Publications (cont'd)

Gorbet, Larry P.

"On discourse syntactic consequences of certain short topic sentences," in Proceedings of the 5th Annual Meeting of the Berkeley Linguistics Society. Berkeley: BLS. "The case marking of Diegueno complement clauses," International Journal of American Linguistics, 251-266, July 1979.

Harpending, Henry

Population Genetics of Interaction, American Naturalist, 113:4, p. 622, April 1979.

Judge, W. James

"Development of a Complex Cultural Ecosystem in the Chaco Basin," Proceedings of the First Conference on Scientific Research in the National Parks, Vol. II, No. 5. Review of J.N. Hill, ed. "Explanation of Prehistoric Change," Journal of Anthropological Research, Vol. 34, No. 2. Review of B. Trigger, "Time and Traditions: Essays in Archeological Interpretation," American Anthropologist, Vol. 81, No. 3.

Ortiz, Alfonso

Obituary article: D'Arcy McNickle, American Anthropologist 81 (1979):632-636; San Juan Turtle Dance: (essay and translations of songs), New World Records (1979) (NW-RAAM-301); Commentary, Tribal Sovereignty Conference, Newberry Library Occasional Paper #2 (1979); In press: Volume 9, Handbook of North American Indians, Smithsonian Institution (editor); author of "Introduction," "San Juan Pueblo," "Tesuque" (with S.A. Edelman), "Hopi: essay on sources" (with Fred Eggan). Also in press: 5 book reviews for American Ethnologist, Pacific Historical Review, American Indian Culture and Research Journal. In progress: Volume 10, Handbook of North American Indians (editor; expected publication, 1981); Southwestern Indian religious texts for Paulist Press' Classics of Western Spirituality series; North American Indian myths for Pantheon's Mythologies of the World series.

Publications (cont'd)

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Rhine, J. Stanley

"Bones in the Backyard," Physical Anthropology and Medicolegal Investigation, Pathologist, V 33#6, June, 1979, 7 pp.

Rushforth, E. Scott

Two papers submitted for publication, fall-1979--neither accepted yet, still being reviewed.

Sabloff, Jeremy A.

Editor, American Antiquity (quarterly journal with a total of 860 pages per year); Ancient Civilizations: The Near East and Mesoamerica (co-author: C.C. Lamberg-Karlovsky), Benjamin-Cummings Publishing Co., 1979.

Santley, Robert S.

n.d.a, Disembedded Capitals Reconsidered. To be published in American Antiquity, January, 1980; n.d.b, Teotihuacan: an ancient precolumbian urban center, to be published in Encyclopedia of Ancient Civilizations, edited by A.B. Cotterell, Rainbird Publishing Group Ltd., London; n.d.c, Pricing Policies, Obsidian Exchange, and the Decline of Teotihuacan Civilization, to be published in Mexicon, April, 1980; n.d.d, Teotihuacan and Toltec Settlement Patterns in the Basin of Mexico, to be published in Tula and the Toltecs, edited by R. Abascal and R. Cobean, INAH, Mexico; with Eric K. Rose: Diet, Nutrition, and Population Dynamics in the Basin of Mexico. World Archaeology 11(2): 185-207, 1979; with William T. Sanders and Jeffrey R. Parsons: The Basin of Mexico: ecological processes in the evolution of a civilization. Academic Press, New York, 1979; with E. Randolph Turner: Deer Skins and Hunting Territories Reconsidered. American Antiquity 44(4): 810-816, 1979.

Schwerin, Karl H.

The Future of Ethnohistory. Ethnohistory 23:323-341; The Role of Migratory Labor in Karinya Culture Change, pp. 18-23 in The Venezuelan Peasant in Country and City, ed. by Luise Margolies. Caracas: EDIVA, 1979; Mammillaria meridiorosei. Eine neue Spezies aus dem Nordwestern Mexikos und dem Grenzgebiet der Vereinigten Staaten. Mitteilungsblatt des Arbeitskreises für Mammillarienfreunde 1/79:11-17.

Publications (cont'd)

Sebring, James M.

Some book notes were written, and were reported on last year's "Supplement," these should have been published by now in the American Anthropologist.

Spuhler, J.N.

Continuities and discontinuities in anthropoid-hominid behavioral evolution, pp. 454-461 in Chagnon & Irons, Evolutionary biology and human social behavior, Duxbury, 1979. Genetic distances, trees, and maps of North American Indians, pp. 135-183 in Laughlin & Harper, The First Americans: Origins, affinities and adaptations, Gustav Fischer, 1979.

Straus, Lawrence Guy

"A technique for studying microscopic wear on artifact surfaces," in Views of the Past (L.G. Freeman, ed.), Mouton, The Hague (with P. Walker), 53-56; "Observaciones preliminares sobre la variabilidad de las puntas solutrenses," Trabajos de Prehistoria 35: 397-402; "Cronología de las industrias del Wurm tardío y del Holoceno temprano en Cantabria: Contribuciones del Proyecto Paleoecológico de la Riera," in C-14 y la Prehistoria Peninsular (M. Almagro Gorbea & M. Fernandez-Miranda, eds.), Fundación Juan March, Madrid (with G. Clark & M.G. Morales), 37-43; "Variabilité dans les industries solutréennes de l'Espagne cantabrique," Bulletin de la Société préhistorique française 75: 276-280; "La Riera Paleoecological Project: Preliminary report, 1978 excavations," Current Anthropology 20: 235-236 (with G. Clark); "Caves: a paleoanthropological resource," World Archaeology 10(3): 331-339; "Norteamericanos en la prehistoria montañesa," in Santander y el Nuevo Mundo, Institución Cultural de Cantabria, Santander, 567-571; "Notas teóricas sobre el Solutrense de Asturias," Boletín del Instituto de Estudios Asturianos 96/97: 473-483; Chapters 1 ("Introduction"), 2 ("Inventory of Cultural Remains"), 5 ("Summary and Conclusions: The North Burgos Archaeological Survey in Perspective") and Appendix 1 of The North Burgos Archaeological Survey: Bronze and Iron Age Archaeology on the Meseta del Norte, Tempe, Arizona State University (Anthropological Research Papers 19) (with G. Clark), 1-157 and 247-292; "La Riera Paleoecological

Project: 1979, "Old World Archaeology Newsletter 3(3): 13-14. Cantabria and Vascongadas, 21,000-17,000 B.P.: Toward a Solutrean settlement pattern," Munibe 32:(page numbers unknown); "Mesolithic adaptations along the northern coast of Spain," Quaternaria 21: (page numbers unknown); Comment on "The Clactonian: An independent complex or an integral part of the Achulean" by M. Othel, Current Anthropology 20:(page numbers unknown); Also, translated articles for the Journal of Anthropological Research (French to English) and the Boletín del Instituto de Estudios Asturianos (French to Spanish) and Current Anthropology (Spanish to English).

Weigle, Mary Martha

"Women as Verbal Artists: Reclaiming the Sisters of Enheduanna," Frontiers: A Journal of Women Studies, vol. 3, no. 3 (fall 1978), pp. 1-9; Folklore Women's Communication, nos. 17, 18, 19 (1979) - ed. and writer of various articles.

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

Alvarado, Anita L.

Completed and accepted for publication: "The Status of Hispanic Women in Nursing," M. Melville, ed. Twice a Minority: Mexican American Women. The C.V. Mosby Co., St. Louis. Continuing work on status and trends of minorities in the health professions. Research consultant for Adelante, a drug abuse program in NM; Monitoring trends in faculty statuses, UNM.

Binford, Lewis R.

Completed a major book: Bones: Ancient Man and Modern Myths, Being published by Academic Press.

Bock, Philip K.

Sent to press new book, Continuities in Psychological Anthropology, to be published early in 1980 by W.H. Freeman and Co., San Francisco. Completed final revision of article on symbolism in a Mexican village, to appear in Summer 1980 issue of Jrnl. of Lat. Amer. Lore (UCLA).

3. Other research projects or creative work (cont'd)

- Brody, J.J. Organized the exhibition Ethnographica for the Maxwell Museum. In progress: (with Dr. Linda Cordell) an exhibition on Tijeras Pueblo for the Maxwell Museum to open in 1980; (with Dr. Robert Lister) major traveling exhibition to open in 1983 on the subject of the archaeology of Chaco Canyon, project supported by the NEH, \$10,000.
- Campbell, John Martin Archaeological research in Colfax County, NM, Summer, 1979.
- Cordell, Linda S. Research - survey in the Western Manzano Mountains (supported, in part, by the Forest Service); Review of Ancient Native Americans for American Antiquity (in press). The Wetherill Mesa Simulation, A Retrospective View in Simulations of the Past edited by J. Sabloff (in press); editor of the Versatility of Kinship (with Stephen Beckerman), Academic Press (in press).
- Draper, Patricia "Father Absence and Reproductive Strategies" manuscript, co-authored with Henry Harpending to be submitted to Journal of Anthropological Research.
- Froehlich, Jeffery W. Book review of Dermatoglyphics, An International Perspective for Am. Anthropol. In press: The Demographic Structure of Barro Colorado Island Howling Monkeys in prep; Discovery and anatomical analysis of the earliest known Leptictid (Insectivora) skeleton (in progress).
- Gorbet, Larry P. Additional research in discourse analysis and pragmatics, syntax, and morphology of conjunction; Subgrammatical semantic and pragmatic variation in English; Further work on linguistic diffusion in the Southwest; Athapaskan (especially Bear Lake) relative clauses; Applications of small computers to linguistic field research; Interfaces between language and non-language communication modes.
- Judge, W. James Continued intensive analysis and report preparation on results of data recovered and information gathered by the Chaco Project. Continue as Editor of "Reports of the Chaco Center." Participant: School of American

- Research Seminar on Cultural Resource Management in the San Juan Basin. Coordinator: NPS legislative effort to protect Chacoan Outlying sites; Computerized Data Base Management for Cultural Resources.
- Rhine, J. Stanley Continuing research in facial tissue depths and forensic facial reproductions; continuing research in computer enhancement of human site mark photographs, with H.R. Campbell, DDS; completed paleopathological survey with W.L. Minear, MD; began survey of paleopathologies of Mimbres skeletal population with W. Minear, MD.
- Rushforth, E.Scott Fieldwork among the Bear Lake Indians, NWT, Canada, May 30-July 29. Project entitled "Directive Speech Acts among the Bear Lake People." Publications in progress.
- Sabloff, Jeremy A. Sent to press three books: The second edition (revised and expanded) of A History of American Archaeology (with G.R. Willey) to be published in February 1980 by W.H. Freeman; A Scientific American Reader on Pre-Columbian Archaeology (with G.R. Willey) to be published by W.H. Freeman in Feb. 1980; and an edited volume on computer simulations in archaeology to be published in 1981 by UNM Press. Volume One of the Supplement to the Handbook of Middle American Indians, to be published by U. of Texas Press in 1981, is just nearing completion under my volume editorship.
- Salvador, Mari Lyn California field work - Portuguese American ritual - Research Allocations, UNM; Mexico, Michoacan - preliminary field work for Michoacan Project, Latin Am. Inst., NEH Grant to support planning phase of an exhibition of ceremonial art from Michoacan.
- Santley, Robert S. Archaeological research on the South Gulf Coast of Mexico, funded by a Summer Research Stipend from the College of Arts and Sciences and a grant from the Research Allocations Committee.

481 Other research projects or creative work (cont'd)

Schwerin, Karl H.

Eine neue Varietät der *Mammillaria heyderi* aus New Mexico. Arbeitskreises für Mammillarienfreunde IV/79:113-116, Münster; completed paper on changing patterns of Incest among the Karinya (in press); continued work on Carib slaving during the Colonial period; continued work on book on The Cacti of New Mexico.

Sebring, James M.

Unpublished monograph (no publishers contacted yet): Tea and Antipathy: A Study of Hierarchy and Homology in a Caste System of North India (local research previously reported on this form suspended while this monograph was being polished).

Spuhler, J.N.

Continued work on an introductory text in biological anthropology; continued work on the historical biology of North American Indians.

Straus, Lawrence Guy

Measurement of red deer and ibex tooth crown heights from La Riera Cave site collections in Oviedo, Spain; Direction of Concluding excavations in La Riera Cave (N.S.F. Grant BNS76-08382--c. \$70,000--until October 1981); Analysis and publication of La Riera results; Photographic recording of cave art (funded in part by UNM Research Allocations Comm. and Board of Archeologists); In press: "The role of raw materials in lithic assemblage variability," Lithic Technology 9(2); "Paleoecology at La Riera (Asturias, Spain)", Quaternary Research (with members of the L.R.P.P. scientific team) (42 ms pages, 13 tables, 9 figures); "Spanish Cuisine of the Stone Age" (tentative title), article commissioned (and written) for the Scientific American; "Bases teoricas y algunos resultados iniciales del Proyecto Paleoecologico de la Riera", Trabajos de Prehistoria 37: (with G. Clark); "La collection Magnant: un temoin de la prehistoire charentaise", Bulletin de la Societe archeologique et historique de la Charente.

5. Other research projects or creative work in progress (cont'd)

Weigle, Mary Martha

"Mythology of the Americas" (with David M. Johnson, English)--work toward completion of an Exxon Education Foundation Grant (\$22,000)--final work to be completed by April 1, 1980; "Literary New Mexico--Between the Wars: A Chronicle and Impressions, 1916-1945" a manuscript (with Kyle Fiore, American Studies) for UNM Press--first draft completed; In press: "Los Hermanos Penitentes--Brothers of Our Father Jesus," for an anthology, The Folklore of American Ethnic Groups: Collections and Critiques, ed. Ronald J. Ambrosetti. Los Angeles: Alfred Publishing; "The Southwest: A Regional Case Study," for Handbook of American Folklore, ed. Richard M. Dorson. New York: McGraw-Hill; "The Penitentes," for Dictionary of Mexican American History, ed. Matt Meier and Feliciano Rivera. Westport, Connecticut: Greenwood Press; "Introduction" to reprint ed. of Raymond Otis, LITTLE VALLEY, Zia Series, University of New Mexico Press; "The Penitente Brotherhood in Southwestern Fiction: Notes on Folklife and Literature," for volume on American Studies, ed. by Sam Girgus for UNM Press.

Workman, Peter L.

Grant-Sigrid Juselius Foundation; 4 Ph.D.'s, 1 M.A. guided to completion; several papers in press or in preparation.

6. Activities in learned and professional societies

Alvarado, Anita L.

Lecture: "Holy Week among the Opatas Indians", College of Art, UNM; Lecture: "Holy Week in Spain", College of Art, UNM.

Binford, Lewis R.

Organized and presented a full day's symposia at the national meetings of the Society for American Archaeology; Read a research paper at national meeting of Historic Sites Archaeologists.

Brody, J.J.

Discussant at meetings of Society for American Archaeologists, April, Vancouver, B.C.; An organizer of the Symposium: New Directions in Native American Art held at UNM in October.

Activities in learned and professional societies (cont'd)

Cordell, Linda S.

Overview of Pueblo Prehistory and Research Problems in the San Juan Basin, Paper presented at the San Juan Basin Conference, School of American Research, Santa Fe; Deterministic vs. Stochastic Situation of Anasazi Habitation Site Location and Land Use, Paper Delivered at the 44th annual meeting of the Society of American Archaeology, Vancouver; Field Report on Manzano Mountain Survey and Pottery Mound Excavations, Presented at the Pecos Conference, Tucson; Problems in Public Education for an Uncertain Future in Archaeology, talk at the Albuquerque Archaeological Society, July.

Froehlich, Jeffery

Paper presented to Am. Assoc. Phys. Anthropol. meeting in San Francisco in April; Paper presented to Am. Soc. of Mammalogists meeting in Corvallis in June.

Corbet, Larry P.

Paper read at annual meeting of Berkeley Linguistics Society; Attended meeting of Southwest Area Language and Linguistics Organization, Tempe, Arizona; Paper given at annual meeting Linguistics Society of America.

Harpending, Henry

Workshop on mathematical biology, U. of Alberta.

Judge, W. James

Elected Treasurer, Society for American Archaeology; Chairman, SAA Distinguished Service Award Comm. Member, SAA Nominating Committee; Meetings attended: SAA, AAA; Paper presented at SAA: "Minimal Impact Archeology; A Plea for a Formalized Ethic."

Ortiz, Alfonso

Paper read at International Congress of Americanists meetings, Vancouver, British Columbia, August: "Masks and Masking in the Pueblo Southwest"; Organizer and chairman, Newberry Library Conference on Tribal Sovereignty, May; Chairman, National Advisory Council, Center for the History of the American Indian, Newberry Library.

Rhine, J. Stanley

"Paleopathologies among some Early New Mexican Populations," (with M.R. London), Amer. Assoc. of Phys. Anthropol.; Attended "Roots of Human Behavior," A symposium in Santa Fe sponsored by the L.S.B. Leakey Foundation.

6. Activities in learned and professional societies (cont'd)

- Sabloff, Jeremy A. Officer of the Society for American Archaeology and member of its Executive Committee; attended the annual meetings of the Society for American Archaeology (Vancouver) and the American Anthropological Association (Cincinnati).
- Salvador, Mari Lyn Publications management Symposium New York; Directions in Native American Art History, UNM.
- Santley, Robert S. Obsidian Production and Exchange within a Late Formative Community in the Basin of Mexico, paper presented at semiannual meetings of the Sociedad de Antropologia, Saltillo, Mexico; Toltec Period Settlement Patterns in the Basin of Mexico, paper presented at the Symposium on Tula, Pachuca, Mexico, February; Obsidian Production and Exchange within a Late Formative Community in the Basin of Mexico; paper presented at the semiannual meetings of the Sociedad de Antropologia, Saltillo, Mexico, September; Archaeology in the Basin of Mexico: an assessment of the current state of the art, paper presented at the First Semi-Annual Conference of the New Mexico Consortium for Latin American Studies, Las Cruces, New Mexico, November; A Preliminary Investigation of Teotihuacan Influence in the Tuxtla Region of Veracruz, report submitted to the College of Arts and Sciences of the University of New Mexico, Albuquerque, October.
- Schwerin, Karl H. Secretary, UNM Chapter, Sigma XI; attended annual meeting of the American Anthropological Assn., Cincinnati, OH, 27 Nov-1 Dec, 1979.
- Spuhler, J.N. Sigma Xi lecture, "Theoretical advances in behavioral genetics," Colorado State University, 19 April 1979; 48th annual meeting of the American Association of Physical Anthropologists, 5-7 April 1979 (past President), San Francisco, California.
- Straus, Lawrence Guy Presented paper, "Paleoecology at La Riera, Asturias, Spain," at meeting of the Society for American Archaeology in Vancouver, B.C.; Chaired 2 symposia at S.A.A. meeting: "Old World Prehistory" and "The Behavioral Significance of Artifact Patterning." Joined Société préhistorique ariègeoise.

485⁶. Activities in learned and professional societies (cont'd)

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| Weigle, Mary Martha | Editor, Publications of the American Folklore Society, New Series; Editor, Folklore Women's Communication; "Women and/in Mythology: Problems, Perspectives & Pedagogy," paper delivered at the Annual Meeting of the American Folklore Society, Los Angeles, October 25, 1979; President, New Mexico Folklore Society, 1979-80. |
| Workman, Peter L. | American Association of Physical Anthropologists, Spring 1979. |
| 7. <u>Other professional activities</u> | |
| Alvarado, Anita L. | National Science Foundation, Grant Reviews; National Endowment for the Humanities, Grant Review; Review articles for journals: <u>Ethnohistory</u> and <u>Human Organization</u> . Citation of article, <u>La Red</u> (article appeared in Bauwens, ed. <u>Anthropology of Health</u> , 1978. Use of same by Andrus Gerontology Center, Univ. of Southern California. |
| Barrett, Richard A. | Guest speaker, Dr. Bock's Introductory Anthropology course for College of St. Francis; Speaker for College Enrichment Program, UNM, June 14, June 28, July 19, 1979. |
| Binford, Lewis R. | Presented first Science Lecture in New Albuquerque Museum; Invited lectures given: University of Nebraska, Lincoln, Ohio University, Athens, Ohio; Washington University, St. Louis. |
| Bock, Philip | Performed in Children's Theatre (Breadline Players), Summer 1979; Guest appearance with Dave Silverman jazz quintet, November 1979; Rehearsing for Vortex Theatre production of "Barefoot in the Park." |
| Brody, J.J. | Consultant for Acoma Pueblo on a new museum; Consultant for the Dept. of Anthropology, California Academy of Science; About six off-campus talks. |
| Campbell, John Martin | Lectures given: The Search for Sir John Franklin: Harvard-Yale-Princeton Club; A Journey to Siberia: Kiwanis Club; Birds of Arctic Alaska and Canada: Albuquerque Chapter, Audubon Society. |

7. Other professional activities (cont'd)

- Draper, Patricia "Cross-cultural child rearing", lecture given for Albuquerque Public Schools Seminar Series East Area Office, December 5, 1979.
- Frøehlich, Jeffery W. Papers reviewed for Science, Biotropica, Am. Journal of Phys. Anthropol., and American Antiquity; Books reviewed for Freeman and McGraw Hill; Grants reviewed for N.S.F.
- Harpending, Henry Lecturer--University of Kansas distinguished lecturer series.
- Judge, W. James Executive Committee, New Mexico Archaeological Society; Board of Governors, San Juan County Museum Assoc.; Participant: Harper's Ferry Conf. on Cult. Resource Management; Instructor: NPS course, CRM for Park Managers; Invited Lecturer: Nat'l Trust for Historic Preservation (Santa Fe), American Institute for Archeology (Boston); Approx. 15 other, off-campus talks given.
- Ortiz, Alfonso Lectures: Los Alamos Scientific Laboratory colloquium; School of American Research; Scottsdale Community College summer session and Indian Studies week; Editorial Board: American Indian Quarterly, American Indian Culture and Research Journal, Indian Historian, Journal of Anthropological Research, Third World Studies; Reader of manuscripts: Columbia University Press; Univ. of California Press; University of Chicago Press; Princeton University Press; Indiana University Press.
- Rhine, J. Stanley Participation in and arrangements for Mass Disaster exercise, annual "Medicolegal Investigation of Death," UNM Medical School, August, 1979; Consulted by Buffalo, New York, District Attorney for exhumation and analysis of a human body in a well; Consulted by Pitkin County (Colorado) Sheriff's Office for facial reproduction on unknown human body.
- Sebring, James M. Considerable time expended on essential completion of my portion of work on Maxwell Museum exhibit of materials from India illustrating caste; editorial review reading of prospective papers for American Ethnologist.

4877. Other professional activities (cont'd)

- Spuhler, J.N. Editorial Board, American Naturalist, published by the American Society of Naturalists.
- Straus, Lawrence Guy Lecture in Spanish on the Prehistory of Spain for a Spanish Dept. course on the Civilization of Spain; Lecture on Upper Pleolithic Cave Art to Anthro. Dept.; reviewer for W.H. Freeman & Co., publishers; reviewer for National Science Foundation Anthro. Program (Fellowships).

- Weigle, Mary Martha Talk on the Penitente Brotherhood for summer session of Southwest Studies Program, Colorado Springs; In charge of annual meeting, New Mexico Folklore Society, April 1979; Review panelist, Division of Research Grants, State and Local History, National Endowment for the Humanities, April and November 1979; "The Penitente Brotherhood in Southwestern Fiction: A Case Study in Folklife and Literature," paper delivered at 14th Annual Mtg., Western Literature Association, Albuquerque, October 5, 1979.

8. Non-teaching University service

- Alvarado, Anita L. Arts & Sciences Human Subjects Committee; Provost's Ad Hoc Committee on Minority Concerns: United Fund; Provost's Committee on Gerontology Development; Dean's Search Committee.
- Binford, Lewis R. Chairman, Social Science Promotion committee; Member, Arts & Sciences Tenure Committee.
- Bock, Philip K. Continued as Chairman of Anthro. Dept.; Faculty Member, ASUNM Speaker's Committee--resigned October 1979.
- Brody, J.J. Member, Committee on the Art Museum; Member, Committee on Gifts and Donations, UNM, Member, Maxwell Museum Assoc. board members.
- Campbell, John Martin Member: Academic Freedom and Tenure Committee UNM; Chairman: Board of Archaeologists, UNM, January 1979-June 1979; Acting Director, Office of Contract Archaeology: June 1979.

8. Non-teaching University service

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| Cordell, Linda S. | Member of the UNM Faculty Senate; Chairman of the Board of Archaeologists Sept. 1979 to present. |
| Froehlich, Jeffery W. | Coordinated Harvey Lecture Series for Anthropol. Dept. |
| Gorbet, Larry P. | Faculty Senate; Faculty-Staff Welfare and Benefits Committee; Arts and Sciences Graduate Committee; Head, Anthropology Graduate Committee; Linguistics M.A. Examination Committee; 1980 Linguistics Society of America Summer Institute Planning Committee; Educational Linguistics Doctoral Program Committee. |
| Harpending, Henry | A&S Human Subjects. |
| Judge, W. James | Committee Chairman for 2 doctoral candidates; sponsor for 4 masters candidates. |
| Ortiz, Alfonso | Chairman, Native American Studies Advisory Committee; Chair, Faculty Search Committee, Department of Anthropology; Member, Committee on Religious Studies; member of 9 graduate committees, dissertation supervisor of 1; President, Association on American Indian Affairs; Member, National Commission on Higher Education for Minorities; Member, American Indian Art and Culture Review Panel, United States Department of the Interior. |
| Rhine, J. Stanley | Continued as Associate Curator of Physical Anthropology, Maxwell Museum of Anthropology; Continued as Forensic Anthropologist for State of New Mexico, Office of the Medical Investigator; Continued in joint appointment by Department of Pathology, UNM Medical School; Dept. of Anthropology, appointed as member of Graduate Committee. |
| Rushforth, E. Scott | Member, Undergraduate Committee, Department of Anthropology. |
| Sabloff, Jeremy A. | Member, Maxwell Museum Association Board of Directors; Member, University Library Committee. |

489 Non-teaching University service

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| Salvador, Mari Lyn | UNM Press Committee; Latin American Concilium; Latin Am. Prog. Planning; Ethnology sub-committee, Anthropology; Film Committee, Anthropology; New Mexico Arts Commission, Crafts Panel. |
| Santley, Robert S. | Member, graduate studies committee of the Department of Anthropology; Graduate advisor in archaeology of the Department of Anthropology. |
| Schwerin, Karl H. | Member, Departmental Graduate committee; advisor to 5 students in the Ph.D. program. |
| Sebring, James M. | Member, Undergraduate Academic Affairs Committee; Member, Committee on Asian Studies; Member, Ph.D. Committee of student in American Studies Dept.; Advisor for E. Dressel, graduate, Anthropology Department. |
| Spuhler, J.N. | Chairman, University Press Committee; member, Library Committee; Editor, <u>Journal of Anthropological Research</u> . |
| Straus, Lawrence Guy | Member, Faculty Senate; Research Policy Committee; Library Committee (1979); Anthro. Dept. Library Liaison; Fulbright-Hays Fellowship Selection Comm.; Board of Archaeologists; Office of Contract Archaeology Directorship Search Committee; Chairman of 2 M.A. committees and member of numerous M.A. and Ph.D. committees; French and Spanish language examiner for archaeology. |
| Workman, Peter L. | Advisor, Jewish Student Union. |

9. Public service

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| Alvarado, Anita L. | Treasurer, Board Member, Central N.M. German Shepherd Dog Club; Chairman, Fall Show, Central NM German Shepherd Dog Club; Vice President, Basset Hound Club of Greater Albuquerque; Publication: "New Use for Your Microwave: Drying Herbs in Minutes," <u>Organic Growers of New Mexico</u> , August. |
| Bock, Philip K. | Board Member, Experiment in Jewish Learning (Lecture Series). |

9. Public service (cont'd)

Brody, J.J.

Member, New Mexico Cactus and Succulent Society.

Campbell, John Martin

President: Harvard-Yale-Princeton Club of Albuquerque.

Froehlich, Jeffery W.

Co-chairperson for Audubon Wildlife Films, Central NM Audubon Society.

Salvador, Mari Lyn

Research person, Manzano Day Schobl.

Weigle, Mary Martha

Board of Directors, Santa Fe Historical Society.

Workman, Peter L.

Board member, Akiba Day School, Jewish Comm. Council; Chairman, Youth Committee, Rio Rancho Jewish Center.

10. Personal information

Judge, W. James

Continued as Chief, Division of Cultural Research (Chaco Project, NPS/UNM). Retains a part-time faculty position in the Anthropology Department.

Schwerin, Karl H.

Married, 25 January 1979 - acquired three stepchildren.

Summary of Office of Contract Archeology
Activities, 7/1/79 - 6/30/80

by

Joseph C. Winter, Director

I. Introduction

Since its establishment in 1973, the Office of Contract Archeology has provided a variety of professional cultural resource management services to public agencies and private concerns throughout New Mexico. These services include archeological surveys and archival research for environmental impact statements; cultural overviews for long range land planning; and archeological excavations and ethnohistoric/ethnographic studies to mitigate the effects of development projects. All of these projects are carried out within a research framework and ultimately result in the preparation of monographs and reports that describe and interpret the cultural resources under investigation. Current projects are listed on the attached Table.

The O.C.A. has grown enormously over the past 6 years, from what was essentially a one person, one project organization to an office which periodically employs up to 12 permanent staff, approximately 30 occasional staff and 6 - 7 work study students. The office is now involved in four large mitigation projects, while one other is about to start up. Dozens of smaller survey and mitigation projects are in varying states of completion.

The following sections describe the accomplishments, goals and challenges of the O.C.A.

II. Review of Activities

During the past year the O.C.A. completed 29 projects and is currently involved in 16 projects. Major efforts are described below.

Field work for the Utah International Inc. Mitigation Project in the CGP survey area along the lower Chaco River near Farmington, New Mexico was completed in 1979 by the Office of Contract Archeology. The final report is now being edited. Frank Broilo and Joseph Winter were Principal Investigators, with James Moore the Field Director and Fred York the Project Ethnographer. The main research theme was the investigation of human adaptations in a marginal environment, and the relations of the local groups with regional populations,

such as in Chaco Canyon. Four Archaic, 1 Anasazi and 3 Navajo sites were excavated. The Archaic sites appear to have been small microband campsites that were infrequently used by transient foragers. One site was C¹⁴ dated at 2395 \pm 50:445 B.C. (UGA-2893) and 2825 \pm 70:875 B.C. (UGA-2894). The Anasazi site was a small PII period special use site with Chuskan and Mesa Verdean ceramics. It was apparently used for plant processing, storage and tool manufacture. The 3 Navajo sites were residences of sheep herders which dated from the early to mid 1900s. Interviews with former inhabitants and their descendents enabled the development of biographical histories of the sites.

The study of high altitude human adaptations is the focus of the Office of Contract Archeology's Baca Geothermal Mitigation project along the headwaters of Redondo Creek in the Jemez Mountains. Twenty-nine sites that range in elevation from 8400' (2545 m) to 9900' (3000 m) are being investigated by a combined archeological/ethnographic/ethnohistoric program to mitigate the effects of geothermal development. Funding is being provided by the Union Geothermal Company of New Mexico. Joseph Winter is Principal Investigator, and Craig Baker is Project Director, while Dan Scurlock is the Project Ethnohistorian and Lois Weslowski is the Project Ethnographer. Twenty-one of the sites are obsidian artifact scatters that were used as camps for hunters, plant gatherers and tool manufacturers. Since Redondo Creek is the main access route into the obsidian-rich Valle Grande, certain of the sites are major camps and tool workshops. C¹⁴ and obsidian hydration samples suggest that the sites were used from approximately 3000 B.C. well into historic times. The ethnographic research indicates that the study area was (and to some extent still is) an important hunting, plant gathering and ritual location for Jemez Pueblo. Eight non-Indian sites are also being investigated, along with numerous carvings on aspen trees. The carvings were left by sheepherders who camped in the area ca. 1912-1953, while the 8 sites (primarily log cabins) are associated with logging activities in the 1930s and 1960s.

Frank Broilo and Mark Harlan of the Office of Contract Archeology were Principal Investigators of the Pittsburg and Midway Mining project, which was a program of research designed to mitigate the adverse impact of strip mining activities on more than 200 prehistoric and historic archeological sites. Field work began in November of 1978 and was completed in June, 1979. Since that time,

project efforts have focused on analyzing artifactual data and interpreting the results. The final report is now being prepared. David Eck was Field and Lab Supervisor, Christina Allen was Administrative Assistant, Linda Cordell was a Research Archeologist, and Klara Kelley served as Senior Ethnographer.

The Pittsburg and Midway mining lease is located on approximately 20 sections just east of Window Rock, Arizona. The area is one which has been marginal for human subsistence activities throughout its occupational history. The research effort has, therefore, focused on achieving an understanding of the area's role as a buffer for populations from surrounding areas. The effort has encompassed both the Anasazi and Navajo occupations and has relied very heavily on ethnographic research, both to document the Navajo occupation and to place local developments in a global context.

The Office of Contract Archeology also completed a Cultural Resources Overview of the Roswell BLM District. Christina Allen, Eileen Camilli and Dan Scurlock were authors, while Mark Wimberly and Peter Eidenbach of Human Systems Research Inc. provided an Appendix. The O.C.A., in conjunction with the Mimbres Foundation, has also completed a Cultural Resources Overview of the Las Cruces BLM District. Authors are Steven Le Blanc, Michael Whalen, Paul Minnis, Margaret Nelson, Patricia Gilman and Roger Anyon. The final report is now in press.

Finally, the Office of Contract Archeology has completed numerous small surveys and related projects throughout northwest New Mexico. Ongoing projects include preliminary excavations on Seboyeta Mesa north of Laguna, and salvage excavations at Bernalillo and La Joya. The Seboyeta excavations investigated a small PII-III period farmstead and a large Archaic site that was C¹⁴ - dated at 2805 ± 165:855 B.C. (UGA-3340). A contract involving the archeological excavation of approximately 140 additional sites on Seboyeta Mesa, and ethnohistoric/ethnobotanical studies has been signed, with field work scheduled for 1981. The Bernalillo excavations involve a late prehistoric-historic Pueblo that was apparently one of the 12 Tiwa towns visited by Coronado. The La Joya excavations involve a small cave site on the Sevietta Wildlife Refuge.

III. New Directions

Part I of this report describes the overall purpose of the O.C.A. While this emphasis has been maintained, certain new directions have been instituted by the author, who took over as Director on 8/1/79.

1. Centralization of Records - Because of the size and complexity of our projects and the nature of the research designs associated with them, and because of the sizes of our staff and data base, certain structural changes are now being made within the O.C.A. These essentially involve a centralization of archives and related records as well as of lines of authority and communication. All archives, maps, site records and photographic collections, for example, have been organized into a central collection, rather than in a series of project-by-project collections. Laboratory analyses, cartography, office management and similar staff areas will eventually be centrally organized as well.
2. Out-of-State Projects - The O.C.A. has traditionally worked within New Mexico. This emphasis will be continued, but work will also be sought in southwestern Colorado, southeastern Utah and northeastern Arizona, when relevant projects come up. For example, negotiations are now underway concerning an 18000 acre survey in southwestern Colorado.
3. Albuquerque Area Archeology - The main geographic area of interest to the O.C.A. has been northwestern New Mexico. Again, this will continue, but additional emphasis will be placed on Albuquerque-area research. This will give students more of an opportunity to participate, and serve community needs. In the past year three surveys have been completed in or near Albuquerque, one site has been monitored, one site is now being excavated in Bernalillo, and one site has been evaluated. Additionally, the Director is scheduled to teach a course on Cultural Resource Management in the Spring, 1981 semester that will emphasize local prehistory/history.
4. Research Grants - Another trend of the O.C.A. has been private industry/public agency contracts. While this will continue, the O.C.A. is also interested in obtaining research grants. One small grant has recently been obtained from a private foundation to excavate the La Joya cave. Other grant proposals will be prepared for relevant projects.

IV. Challenges

Several critical challenges confront the O.C.A. The main one concerns the lack of graduate student thesis research. Although many graduate students work on O.C.A. projects, no Masters or Ph.D. theses that are based on O.C.A. projects have been accepted in the 7 years that O.C.A. has been in operation. While one Ph.D. thesis based on the Cochiti Project was recently submitted, and a M.A. thesis is planned, it is obvious that there has been a serious lack of student research in O.C.A. projects. One reason for the "new directions" summarized above is to remedy this problem. Our interest in research grants and local archeology, the course on Cultural Resource Management, and the centralization of records should attract students. However, the main solution will be to convince graduate students of the opportunity and need for independent research at O.C.A., both on a large project (e.g. mitigation) basis, and on inter-project syntheses.

V. Summary

With the exception of the serious graduate student challenge, the O.C.A. has had a successful year in terms of the number and variety of projects. The Cochiti mitigation contract has been completed, the Utah International Inc. and Pittsburgh-Midway Mitigation Projects are near completion, and the Baca Geothermal Mitigation Project field phase is near completion. Smaller excavations have occurred in Bernalillo, near La Joya, and on Seboyeta Mesa, and the large Seboyeta Mesa Mitigation Project contract has been signed. New directions include the centralization of files and expanded interest in Albuquerque area archeology, out-of-state work, and research grants.

Summary of O.C.A. Activities7/1/79 - 6/30/80

<u>Project</u>	<u>Sponsor</u>	<u>Brief Descriptions</u>	<u>Status</u>
185-43	Pioneer Nuclear Inc.	Survey of 1 Sec.	Completed
185-2UU	Federal Highway Department	Survey of 6.2 Miles on Sandia Crest	"
185-2VV	Kerr-McGee Corporation	Survey of 4.1 miles	"
185-2NW	Union Geothermal Co.	Survey of 2 Acre Well Pad	"
185-38b	Continental Oil Corp.	80 Acre Survey at Crownpoint	"
185-38a	PNM Co.	Testing Near Tijeras Pueblo for 2 Power Poles	"
185-33	PNM Co.	6 mile Survey Near Pojoaque	"
185-46	Pathfinder Mining Co.	Survey of $\frac{1}{4}$ Section	"
185-47	Arkansas/Louisiana Corp.	Survey of 18 Drill holes	"
185-45a	Western Nuclear Inc.	Survey of 1 Section	"
185-38F	Utah International	Survey of 2,000' powerline	"
185-38e	Santa Fe Mining Co.	Survey of 6 Drill Pads	"
185-61	Bernalillo County	Survey of 5 Acres	"
185-33a	PNM	Preliminary Excavation of 2 sites	"
185-61a	Todilto	Survey of 160 Acres	"
185-33H	PNM	Survey of 1.771 mile power line	"
185-50	Bellamah Corp.	Survey of 640 Acres	"
185-51	Pathfinder Mining Corp.	Survey of 640 Acres	"
185-38I	Terra Oil Co.	Survey of 2 Drill Pads	"
185-38H	Morris B. Jones	Survey of 1 Drill Pad	"
185-33G	PNM	Survey of 200' long power line	"
185-33F	PNM	Survey of 400' long power line	"
185-33C	PNM	Survey of Sandia Crest line	"
185-25	Bureau of Land Management	Phase I Assessment of Roswell District	"
185-2XX	Robert White	Survey of Proposed Plant Site	"
185-49C	PNM	Preparation of Seboyeta Mitigation Plan	"
101-127a/b	National Park Service	Archeological Mitigation at Cochiti Reservoir	"
185-59	City of Albuquerque	Evaluation of 1 site	"
185-31	Anaconda Co.	Survey of 3800 Acres on Laguna Reservation	"
185-61b	Amiran Co.	Survey of 160 Acres	Field work completed

<u>Project</u>	<u>Sponsor</u>	<u>Brief Descriptions</u>	<u>Status</u>
185-63	Pathfinder Mines	Survey of 2240 Acres	Field work completed
185-62	Continental Phone	Survey of ½ mile phone line	Field work completed
185-53	Pathfinder Mines	Survey of 640 Acres	Field work completed
185-38C	Cotter Corp.	Survey of 1 Drill Pad	Field work completed
185-58	Timberman Co.	Monitoring of 1 site	Field work completed
185-33I	PNM	Survey of 33 Acres	Field work completed
185-14a	Bureau of Land Management	Cultural Resource Inventory, Las Cruces District	Final Report being typed
185-44	Union Oil Geothermal	Archeological/Ethnographic Mitigation in Baca #1	Second field season in progress
185-21a	Utah International, Inc.	Archeological/Ethnographic Mitigation near Farmington	Final report being edited
185-28A	Pittsburgh and Midway Co.	Archeological/Ethnographic Mitigation near Gallup	Draft report in preparation
185-56	Continental Oil	Survey of 2040 Acres	Field work completed
185-49b	PNM	Archeological Mitigation of Seboyeta Mesa	Contract signed field work to begin in '81
185-57a	Campbell Family Foundation	Excavation of 1 site	Field work completed
185-58a	Timberman Corp.	Excavation of 1 site	Field work in progress
185-48	United Nuclear	Excavation of 1 site	Proposal under review
185-52a	Kerr McGee Nuclear Corp.	Survey of 1400 Acres	Contract signed
185-60	Utah International, Inc.	Survey of 3 ponds	Proposal under review
185-64	ESCA-Tech	Survey of 18,000 Acres	Proposal under review
185-31	Anaconda Co.	Archeological Mitigation on Laguna Reservation	New proposal being prepared

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The Report of the Maxwell Museum of Anthropology

July 1, 1979 - June 30, 1980

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J. J. Brody, Director

I. Significant Developments During the Academic Year, 1979-80.

1979-80 saw the application and refinement of new and revised procedures that were created in response to the development of a Charter and reassessment of goals and priorities. Perhaps the most important of these procedures related to working with guest curators, an essential technique if the museum is to successfully achieve its goal of closer intergration with Department of Anthropology faculty. Currently, the museum staff is developing exhibitions based on the field work of anthropologists Lewis Binford, Linda Cordell, Robert Lister, and Mari Lyn Salvador, of UNM, and Joyce Bishop of University of Tennessee.

An Institute of Museum Services grant (see below) made it possible to eliminate the backlog that had inhibited use of our computer based information retrieval system for our collections. A terminal was installed at the museum to make future updating simpler, more efficient, and less expensive and the museum regained its ability to manage collections with speed and efficiency.

Other significant developments directly responsive to the Museum Charter included the reassignment of Molly Madden to duties related to adult education program development and creation by Mari Lyn Salvador of a master plan for installation of quick-changing exhibitions that relate to University course work and of more permanent exhibitions directly related to introductory courses in anthropology. A two day in-house seminar on evaluation procedures held in late May, 1980, under the

collections management, research, publications, and the intent to more fully integrate museum activities with the teaching and research of the Department of Anthropology were reconfirmed.

In other respects 1978-79 was a "normal" year that saw the installation of three complex exhibitions. One of these, on Kuna women's art, was organized by Chief Curator Mari Lyn Salvador. In conjunction with this exhibition the museum published a book by Dr. Salvador called Yer Dailege! Kuna Women's Art. The second temporary exhibition, Ethnographica, was organized by Director J. J. Brody with a great deal of help from students taking museum practices courses. A third complex installation, on pre-historic ornaments of the Southwest was organized by Dr. Brody based on a script developed by Dr. Wesley Jernigan of the University of Arizona who served as Guest Curator.

One other publication, Anasazi Pottery by Florence and Robert Lister was published co-jointly by the Museum and UNM Press. Several major research projects were begun during this period, among them one by Dr. Caroline Olin of Santa Fe on a collection of unpublished Navajo sandpaintings done during the 1920s and 1930s by Franc Johnson Newcomb.

Overcrowding of warehouse collection storage areas worsened during this year and the management of collections was severely hampered by the backlog which had begun the year before of collection's information updates that could not be keypunched because of personnel shortages. The size of the backlog ultimately made the entire computer-related information system unmanageable and a moratorium was imposed on all additional cataloging while all collection's management energy went toward correcting the problem. Acquisition of about 3,000 new items

into the collections during the year contributed to the problem. On a more positive note photographing of the collection proceeded in a slow but orderly manner.

II. Plans for the Future.

Plans for the future are discussed under the category of significant developments in the 1979-80 annual report.

III. Appointments to the Staff.

Ada Plotner, Staff Secretary	9/11/78
Natalie Pattison, Assistant Registrar	2/1/78
Vincent Bendix, Preparator	8/23/78
Mary Jo Perrizo, Staff Secretary	12/18/78
Sally Nusbaum, Gift Shop Manager	8/21/78
Maria Bauer, Assistant Curator	6/22/78
Natalie Pattison, Acting Registrar	8/21/78
Robert Lister, Adjunct Curator	7/1/78

IV. Separation from Staff.

Mary Jo Perrizo, Staff Secretary	5/19/79
Ada Plotner, Staff Secretary	12/17/78
Marian Rodee (on leave)	8/18/78 - 8/1/79
Beverly Barsook	8/20/78
William Buck	8/18/78
Jennie Garcia	12/6/78
Artemisa Hicks	1/1/79

V. Outside Professional Activities of Staff.

Drs. Salvador and Brody both served as reviewers for the National Science Foundation, National Endowment for the Humanities, and National Endowment for the Arts. Dr. Salvador was appointed to the New Mexico State Arts Council. Dr. Brody served on the Paleontological Task Force appointed by Governor King. In April, 1979, Dr. Brody presented a paper to the Society of American Archaeology dealing with collections management procedures. Marian Rodee went to England to attend a course on textile conservation. Linda Bahm attended a seminar on museum management at Winedale, Texas. Molly Madden attended a program on museum education in Minneapolis, Minnesota. Molly Madden and Linda Bahm visited Tabasco, Mexico as part of an international exchange

program sponsored by Partners for the Americas. Natalie Pattison visited New Guinea. Management Symposium, Mari Lyn Salvador, February, 1979.

VI. Outside Sponsored Research.

There are four grants to report. 1) Approximately \$3,000 from the Maxwell Museum Association to support Caroline Olin's research. 2) \$2,000 from the Maxwell Museum Association and 3) \$2,500 from Albuquerque Public Schools to support the Maxwell Museum Education Program. 4) A Planning Grant from the National Endowment for the Humanities for \$9,970 to support the project entitled "The Archaeology of Chaco Canyon" planning for a proposed traveling exhibition (extended to December, 1979).

The Report of the Department of Biology

July 1, 1979 - June 30, 1980

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James Findley, Chairman

I. General Departmental Information

The report year saw a continuation of the level of productivity and enthusiasm on the part of faculty, students and staff reported last year. In addition, the total enrollment for the period increased slightly, from 6243 in AY 1978-79 to 6420 in AY 1979-80. Biology Department faculty and students studied and carried on research and teaching in Puerto Rico, Israel, New Zealand, England, Sweden, France, Kenya, Jamaica, Belize, and Mexico, in addition to our state and regional commitments.

As in the past, an important factor in the successful operation of our department is the diligence, dedication, competence, and patience of the departmental staff.

A. Significant achievements during AY 1979-80

1. Teaching innovations and improvements

- a. Summer Field Course. As a pilot for a permanent summer field course in vertebrate zoology, Professor Yates led a group of students through southern Arizona, Baja California, California, and Oregon. Methods of gathering material for cytological and biochemical studies of vertebrate systematics were taught, and the work resulted in a number of original findings which formed the basis of several papers currently in preparation.

- b. Tropical Marine Biology Course. Under the leadership of Professors Duszynski and Molles a field course in tropical marine biology was initiated at Discovery Bay, Jamaica in the laboratories of the University of the West Indies. Eleven UNM students paid a \$600 fee to take the course, and learned independent research methods in marine littoral ecology. Research reports given by the students on their return to Albuquerque indicated that the experience had resulted in an amazing amount of professional maturity.
- c. Departmental Seminar Program. While we have a regular seminar program, the 1979-80 program was outstanding from the standpoint of the number, diversity, and eminence of the speakers who came from all over the country and Canada. The high quality of the program is made possible in part by the overhead return to the department.
- d. Revised Major Requirements. After long study and deliberation, the departmental curriculum committee, headed by Professor Altenbach recommended, and the faculty approved, changes in the requirements for the biology major designed to add breadth and rigor to our program.
- e. Faculty Evaluation of Teaching. We have routinely conducted student evaluations of faculty teaching, and used these data for self-improvement

as well as in salary, promotion, and tenure deliberations. This year we instituted a peer evaluation system, whereby each of us visits classes of selected colleagues and summarizes our observations in written form. These data, along with the student evaluations, will prove useful in the future in our continued efforts to improve teaching in the Biology Department.

- f. Marine Aquaria Exhibits. As an adjunct to several invertebrate zoology courses, we have established two marine exhibit aquaria with selections of living salt water invertebrates. These exhibits supplement other live animal exhibits established last year. In addition to their value as teaching aids, these exhibits have proved extremely popular with campus visitors.

2. Public Service.

- a. State Fair Exhibit. At the request of the Public Information Office, the Biology Department prepared the University's State Fair Exhibit. The exhibit featured an artificial cave displaying living vampire bats and scorpions which attracted over 40,000 visitors. Other aspects of the exhibit involved living desert animals, results of chromosome studies, functional morphology of bats, video tapes of bat flight, and

audio displays of bat sonics. The exhibit was awarded the Governor's Trophy for the best science exhibit and the First Place Exhibit Trophy in the industrial category. Professors Altenbach, Toolson, and Yates, as well as a number of students shouldered the burden of exhibit preparation.

- b. Museum of Southwestern Biology. The various divisions of the museum hosted hundreds of visitors including visiting scientists from many other institutions. In addition, contractual services were rendered various state and federal agencies including the New Mexico Department of Natural Resources, and New Mexico Department of Game and Fish.

Museum acquisitions included an impressive African collection of mammals obtained in trade with the Transvaal Museum and the gift of the Troy Best collection of Baja Californian desert rodents, perhaps one of the best in existence.

3. Field Station Acquisition.

Through the generosity of Mr. and Mrs. Virgil Caughran, the University received the gift of a six hundred acre tract of land in Water Canyon atop Mt. Taylor. The land is to be used exclusively by the Biology Department for biological research.

B. Plans and Recommendations.

Of three recommendations made last year one, acquisition of a field station, has been achieved. Plans for an

undergraduate major in environmental biology are ongoing, and membership in O.T.S. has not yet been realized.

An additional recommendation, in the progress of being carried to the administration, is that the Museum of Southwestern Biology be established as a separate administrative and budgetary entity. The Museum, with strong teaching, public service, and research functions, has for many years existed at the pleasure of the biology chairman. Most such museums are distinct entities within their universities, and we feel strongly that this independence is essential for the future well-being of the Museum.

C. Appointments. None.

D. Separations.

John Hastings resigned in August, 1979, to pursue full-time graduate studies.

II. Composite of information requested on individual biographical supplements.

Summary

Research Grants. During FY 1979-80 21 of 29 faculty had research grants, the face value of which totalled \$2,071,096, up \$533,000 from last year.

Publication. During the report period the biology faculty published 50 papers totalling more than 519 pages.

Papers Presented. Twenty-two of the 29 biology faculty members presented a total of 45 papers at regional, national and international meetings.

Detailed Information

1. Advanced Study

None

2. Sabbaticals and Leaves

Altenbach, J. Scott. June 1979. Taught summer course in bat biology, Univ. of Honduras, Tegucigalpa, Honduras, C.A.

Barton, Larry. Sabbatical. Semester II, 1978-79 spent at Laboratoire de Chimie Bacterine, CNRS, Marseille, France.

Duszynski, Donald W. (A) March 18-25: Univ. of West Indies Marine Station, Jamaica with biol. class from Univ. N. Colo. (at own expense) to explore feasibility of developing marine biology course there for UNM students. (B) May 21 - June 25: spent 5 weeks in the field with Dr. Yates and his Biol. 502 class (at own expense).

Findley, James. July. Taught one week at Univ. Minnesota, Itasca Campus.

Gosz, James R. Sabbatical: Forest Research Institute, Rotorua, New Zealand.

Kerkof, Paul R. Spring 1979: continuation of sabbatical leave begun in Fall 1978. One-third of time spent at the Cancer Research and Treatment Center of the University of New Mexico.

Ligon, J. David. August - December, 1979: Sabbatical leave. June - December, 1979: Research in Kenya.

Taylor, Fritz. June: visited Univ. of California, Davis, Univ. of Oregon and Univ. of Washington to discuss research with colleagues.

Trujillo, John. Site visit for NIH, Delaware State College, Dover.

Yates, Terry L. August: three weeks' consulting and cooperative research, Texas Tech University.

3. New scholastic honors, fellowships, etc.

Crawford, Clifford S. 1980: Lady Davis Visiting Professorship (5 months), Technion Institute, Haifa, Israel.

Duszynski, Donald W. Promoted to Professor, Dept. of Biology.

Gosz, James R. Promotion to Professor. Senior Research Fellowship, New Zealand National Research Advisory Council, New Zealand.

Kogoma, Tokio. Promotion to Associate Professor.

4. Publications

Altenbach, J. Scott. 1979. The locomotor morphology of the vampire bat, *Desmodus rotundus*. American Society of Mammalogists Special Publication No. 6, 137 pp.

Barton, Larry. 1980. Dissimilatory reduction of elemental sulphur by *Desulfovibrio*, In *Biology of Sulphur: Ciba Foundation Symposium 72* (J.R. Postgate, ed.).

1980. Viability changes in human neutrophils and monocytes following exposure to toxin extracted from *Aphanizomenon*, *Canadian Journal of Microbiol.* In press.

Bourne, Earl W. 1980. Tissue culture of biospecific molecules for radiotracers preparation: a case for anti-beta hCG. In *The Second International Symposium on Radiopharmaceuticals*, Lelio Columbetti, ed. (Accepted for publication.)

Caldwell, Douglas E. 1979. Fine structure of *in situ* microbial iron deposits. *Geomicrobiol. J.* 2:39-53. (with Sarah Caldwell).

Cates, Rex G. 1980. Feeding patterns of monophagous, oligophagous, and polyphagous insect herbivores: The effect of resource abundance and plant chemistry. *Oecologia.* In press.

1980. Effect of foliage quality on WSB larval and adult growth characteristics. Technical report, Western Spruce Budworm Program, pages 1-17. (Peer reviewed.)

Crawford, Clifford S. 1979. Assimilation, respiration and production: (a) invertebrates. In Arid Land Ecosystems: structure, functioning and management, Vol. 1, IBP 16, R.A. Perry and D.W. Goodall, eds. Cambridge Univ. Press, pp. 717-729.

1979. Desert detritivores: a review of life history patterns and trophic roles. J. Arid Environ. 2:31-42.

1979. Water relations in desert millipede larvae, larva-containing pellets, and surrounding soil. Pedobiologia 19: 48-55. (with M.C. Matlack).

Duszynski, Donald W.

1979. A new and unusual emierian (Protozoa: Eimeriidae) from the liver of the Gulf killfish, Fundulus grandis. J. Wildl. Dis. 15: 543-552. (and M.A. Solangi and R.M. Overstreet).

1980. Ultrastructure of Sarcocystis sporocysts from passerine birds and opossums: Comments on classification of the genus Isopora. J. Parasitol. In press. (with E.D. Box, A.A. Marchiondo and C.P. Davis).

1980. Eimeria macrotis sp. n. from Vulpes macrotis neomexicanus Merriam, 1902. Z. f. Parasitenk. In press. (with L.F. Mayberry and W.H. Reid).

1980. Scanning and transmission electron microscopy of the oocyst wall of Isopora lacazei. Z.f. Parasitenk. In press. (with C.A. Speer, A.A. Marchiondo and B. Mueller).

Ewing, Evelyn P. 1979. Genetic variation in a heterogeneous environment VII. Temporal and spatial heterogeneity in infinite populations. American Naturalis 114: 197-212.

1980. Genetic variation in a heterogeneous environment VIII. Temporal and spatial heterogeneity in haploid populations. American Naturalist. In press.

Findley, James. 1979. Comparisons of frogs, humans, and chimpanzees. Science 204(4391): 434-435.

1979. Sexual dimorphism in vespertilionid bats. Amer. Midl. Nat. 102:113-126 (with D. Williams).

Gosz, James R. 1979. Nitrate losses from disturbed ecosystems: an interregional comparison. *Science* 204: 469-474.

1980. Nitrogen cycling in coniferous ecosystems. In *Nitrogen Cycling in Terrestrial Ecosystems. Processes, Ecosystem Strategies, and Management Impacts*, F.E. Clark and T. Rosswall, eds. *Ecological Bulletins* (Stockholm). In press.

1980. Nutrient budget studies for forests along an elevational gradient in New Mexico. *Ecology*. In press.

1980. Biomass distribution and production budget for a nonaggrading forest ecosystem. *Ecology*. In press.

Johnson, Gordon V. 1979. Germination requirements of 19 species of arid land plants. USDA For. Serv. Res. Pap. RM-210, U.S. Dept. Agric. For. Serv., Rocky Mt. For. & Range Exp. Sta., Ft. Collins. 26 p. (with D.G. Sabo, W.C. Martin and E.F. Alden).

Kidd, David E. 1979. Mercury Levels in Water and Sediment of Elephant Butte Reservoir, New Mexico. *Bull. Environm. Contam. Toxicol.* 21: 624-630 (with J.D. Garcia).

1980. Advective control of nutrient dynamics in the epilimnion of a large reservoir. *Limnol. and Oceanogr.* (with S.P. Gloss, L.M. Mayer). In press.

Kogoma, Tokio. 1979. Induction of UV-Resistant DNA Replication in *Escherichia coli*: Induced Stable DNA Replication as an SOS Function, *Molecular General Genetics*, Vol. 17b, 1-9.

Ligon, J. David. 1979. The communal social system of the Green Woodhoopoe in Kenya. *Living Bird* 17:159-197.

Martin, William C. Germination requirements of 19 species of arid land plants. Forest Service, U.S. Dept. Agr. Res. Paper RM-210. 26 pp. (with D. Sabo, G. Johnson, and E. Alden.).

Potter, Loren D. 1979. Selected trace elements and revegetation of uranium mill tailings piles in the Southwest, pp. 92-96. In *Biomedical and Environmental Research Program of the LASL. Health Division*, D.F. Petersen and E.M. Sullivan, eds. Los Alamos Scientific Laboratory Report LA-T254-PR.

Riedesel, Marvin L. 1979. Respiratory responses to long-term temperature exposure in the box turtle, Terrapene ornata. J. Comp. Physiol. 131:353-359 (with M.L. Glass and J.W. Hicks).

Taylor, Fritz. 1979. Convergence on stable age distribution in populations of insects. Amer. Nat. 113: 511-530.

1979. On the applicability of current population models to the growth of insect populations. Rocky Mtn. J. Math. 9:149-151.

1980. Ecology and Evolution of physiological time in insects. Amer. Nat. In press.

1980. Timing in the life histories of insects. Theor. Pop. Biol. In press.

1980. Optimal switching to diapause in relation to the onset of winter. Theor. Pop. Biol. In press.

Thornhill, Randy. Male and female sexual selection and the evolution of mating strategies in insects. In Reproductive competition and sexual selection in insects, M.S. and N.A. Blum, eds. pp. 81-121, Academic Press, N.Y.

1979. Adaptive female-mimicking behavior in a scorpionfly. Science. Vol. 205, pp. 412-414.

Toolson, Eric C. 1979. Seasonal Effects of Cuticular Permeability and Epicuticular Lipid Composition in Centruroides sculpturatus Ewing 1928 (Scorpiones: Buthidae). J. Comp. Physiol. 129: 319-325.

1979. Electron paramagnetic resonance spectroscopy of spin-labelled cuticle of Centruroides sculpturatus: correlations with thermal effects of cuticular permeability. J. Insect Physiol. 25: 271-275. (with T.R. White and W.S. Glamsinger).

Trujillo, John. 1979. Effect of Monovalent Cations on the Activity of Pig Liver PFK. Life Sciences 25:1529-1538 (with L. Foe).

1980. Activation of PFK by Divalent Cations. Arch. of Biochem. Biophys. 1:199 (with L. Foe).

Vogel, Kathryn G. 1979. Cell-Surface Glycosaminoglycans are not Released from Human Diploid Fibroblasts by Non-enzymatic Methods. *Biochim. Biophys. Acta.*, 552: 194-200.

1979. Development of the Aging Cell Surface: Reduction of Gap Junction-Mediated Cooperation with Progressive Subcultivation of Human Embryo Fibroblasts (IMR 90) Exptl. Cell Res. 119: 127-143 (with R.O. Kelley).

Wiens, John A. Diet niche relationships among North American Grassland and Shrubsteppe Birds. *Oecologia* 42: 253-292 (with J.T. Rotenberry).

1979. Summarizing remarks, Part II. Shorebirds in Marine Environments. *Studies in Avian Biology* 2: 259-261.

Yates, Terry L. 1979. Rabbits (Genus *Sylvilagus*) of Nicaragua. *Mammalia* 43(1):113-124 (with H.H. Genoways and J.K. Jones, Jr.).

1979. Phylogenetic analysis of karyological variation in three genera of Peromyscine rodents. *Syst. Zool.* 28(1): 40-48 (with R.J. Baker and R.K. Barnett).

1979. Ectoparasites of seven species of North American moles (Insectivora: Talpidae). *J. Med. Ent.* 16(2):166-168 (with D.B. Pence and G.K. Launchbaugh).

1980. A new townsend's mole. (Insectivora: Talpidae) from Washington State. *Occ. Publ. Texas Tech Univ.* with M.L. Johnson. In press.

1980. Condylura cristata. *Mammalian Species* 136. with K.L. Petersen. In press.

5. Creative work and research in progress

Altenbach, Scott. Film prepared for BBC, Bristol, Eng., on fishing behavior of greater bulldog bat, Noctilio leporinus, as part of series entitled LIFE ON EARTH to be released in U.S. in 1980.

Film prepared for BBC, Bristol, Eng., on flight of common vampire bat as part of series entitled VAMPIRES to be released in U.S. in 1980.

Ongoing research in bat locomotor mechanism and locomotor morphology.

Baca, Oswald G. NSF Grant, \$50,300, July 1977 to December 1979, Coxiella burnetii: its lipopolysaccharide & attachment & entry into host cells.

Natl. Inst. of Health Grant, \$64,736, August 1977 to August 1980, Interaction of Coxiella burnetii with cells of low phagocytic activity.

Manuscripts submitted: Isolation and characterization of a lipopolysaccharide from Phase II Coxiella burnetii (with I.L. Martinez, A.S. Aragon, and D. Klassen).

Molecular weight of Coxiella burnetii DNA (with W. Myers, and C.L. Wisseman, Jr.

The fate of Coxiella burnetii in macrophage-like cells (with A.S. Aragon, I.L. Martinez, and E. Akporiaye).

Barton, Larry. Water Resources Research Institute Grant, \$24,654. Role of nitrogen, phosphorus, and iron in occurrence of algal blooms at Abiquiu and Cochiti Reservoirs.

Bourne, Earl W. NIH Grant Proposal: \$558,326. Cancer Diagnosis and Therapy via Surface hCG, Cancer Detection Research Staff, College of Pharmacy, Radiopharmacy.

Caldwell, Douglas E. Sandia Scientific Laboratories, \$45,000. Microbial Biogeochemistry of WIPP Wastes. Nov. 1, 1979 - March 31, 1980.

Sandia Scientific Laboratories, \$30,200. Los Medanos Project - Microbiological Studies. Nov. 1, 1979 - March 31, 1980.

Cates, Rex G. NSF Grant, \$175,000, Effect of Plant Community Dynamics and Chemical Defenses upon Herbivore Feeding Patterns and Population Dynamics. 3 yrs.

U.S. Forest Service Grant, \$18,200. The identification of dissolved organic chemicals released in wildland streams due to disturbance in establishing or modifying recreational areas. 1 year.

U.S. Forest Service Grant, \$24,952. A determination of the Resistance-Susceptibility Characteristics of Douglas-fir to the western spruce budworm. 1 year.

Crawford, Clifford S. Research on gut ultrastructure-microbial association in desert millipedes; reviewing manuscripts for journals; reviewing grant proposals; writing grant proposals; writing papers; writing a book.

Degenhardt, William G. Continuing studies of state herpetofauna. Continuing biotelemetric monitoring of Bosque Turtles Project (Jacob Dissertation Grant, NSF, \$3000).

Duszynski, Donald W. Collected protozoan parasites and ectoparasites from over 700 small mammals in Arizona, Baja-Norte, Mexico, California & Oregon during May-June, 1979. Collaborating with the CDC, Ft. Collins, Colo., to ID the ectoparasites and intestinal coccidians.

Collaborating with Dr. R.M. Overstreet, Gulf Coast Research Station, Ocean Springs, MS, on the biology & pathogenesis of a coccidian (Eimeria funduli) of the Gulf killfish.

Collaborating with Dr. G.A. Castro, Univ. of Texas Med. School, Houston, on the mechanisms of disease production by coccidians. 1 manuscript now in review; 2 others at various stages of completion.

Wrote grant proposal: Studies on genetic and other factors affecting host and site specificity by coccidians of small mammals. NIH-MBS, \$50,217. Duration: 1980-83. Pending review by site committee.

Ewing, Evelyn P. Participated in NIH Grant, \$83,664, Mathematical Models and Curricula in Biology, 1 year.

Grant in preparation: Generalized Epistasis in Two- and Three-Locus Systems: Duplicated Loci and Genomic Evolution.

Findley, James. Research on structure of bat communities and food habits of neotropical bats.

Gosz, James R. NSF, \$117,643. Comparative investigation into the factors controlling nutrient losses from disturbed ecosystems. 1 year.

NSF, \$57,091. 1979-1980. An evaluation of $\text{Sr}^{87}/\text{Sr}^{86}$ and other rare earth element ratios for quantifying the total atmospheric input to ecosystems.

U.S.D.A., \$24,750. 1980. Nutrient and heavy metal transport capability of sediments in the Southwest.

Johnson, Gordon V. Water Resources Research Institute, \$24,654. Role of nitrogen, phosphorus, and iron in occurrence of algal blooms at Abiquiu and Cochiti Reservoirs, 10/78 - 3/80.

Sandia Laboratories, \$34,537 (78-79); \$34,676 (79-80). Los Medanos Project: Soil and Vegetation Studies.

Kidd, David E. Book in progress with W. Hadley, Pharmacy, involving environmental aspects of Toxicology.

Research on the relationship between phosphorous and suspended matter in the Rio Grande and on lead in the urban environment.

Kogoma, Tokio. Manuscript submitted to Intl. J. of Radiation Biology: Lethal & Mutagenic Effects of the Boron-neutron Capture Reaction on Escherichia coli cells.

NIH, \$35,953. DNA Replication in Bacteria: Regulatory Mutants. To November 1980.

NSF, \$50,000. Regulation of DNA Replication in Prokaryotes. To November 1981.

NIH (Minority Biomedical Support Grant), \$13,062. Genetic & Biochemical Studies on Stable DNA Replication in Escherichia coli. To August, 1980.

Ligon, J. David. NSF, \$106,000. An evolutionary and ecological study of communal breeding in two species of tropical birds. 3 years.

Sandia Laboratories, \$27,000. Contract Research, WIPP Project. 1 year.

Martin, William C. Dept. of Energy & Sandia Corp., \$37,084. Floristics of the Los Medanos Site. 1 year.

Checklist of the flora of the Magdalena Mountains.

A flora of New Mexico (in press).

Molles, Manuel C. Recovery of stream benthos from disturbance resulting from a natural flood. Final Report to U.S. Forest Service.

Research proposal submitted to NSF: The relationship of competition, reef structure, and reef area to the structure and dynamics of reef fish communities.

Potter, Loren D. NPS, \$6,936. Vegetational studies at Bandelier National Monument. 1 year.

U.S.F.S., \$9,000. Ponderosa pine wildfires and urban forestry. April 1978 - Oct. 1979.

U.S.F.S., \$13,000. Publication on recreation and water quality and quantity. Sept. 1979 - Feb. 1980.

Riedesel, Marvin L. Research Allocations Committee, UNM, \$840. Pilot Studies of Mammalian Respiration at Low Body Temperature.

Taylor, Fritz. Research on geographical patterns in photoperiodic induction of diapause in the Mexican bean beetle; on whether short-term temperature patterns predict the first hard frost in autumn, and on sensitivity of physiological time to variation in its parameters.

Thornhill, Randy. Initiated: NSF grant, \$62,000. Paternal investment and the evolution of sexual differences in Orthoptera (Insecta). 2.5 years.

Initiated: NSF grant, \$60,000. Ecological determinates of mating systems. 2.5 years.

Toolson, Eric. Continuation of NSF grant from 1978: A Biophysical & Biochemical Study of Scorpion Epicuticular Lipids & Their Role in Regulating Cuticular Permeability.

Trujillo, John. HEW Minority Biomedical Grant to UNM: Control of Carbohydrate Metabolism in Liver (continuation).

NSF Research Equipment Grant, \$41,000 + \$21,000 from UNM.

HEW Grant: Arthritis and Metabolic Diseases (continuation).

HEW Grant: Structure and Function of Hemoprotein H-450 (continuation).

Vogel, Kathryn G. NIH Grant: Glycosaminoglycans of the Aging Cell (continuation).

Wiens, John A. NSF Grant, \$95,900. Avian Responses to Environmental Heterogeneity in arid shrubsteppe systems. 2 years.

NOAA Grant, \$105,000. Simulation modeling of marine bird population energetics, food consumption, and sensitivity to perturbation. 1 year.

USFS Grant, \$57,000. Dynamics of small mammal populations during post-logging succession in Southeast Alaska (with B. Van Horne). 1977-1980.

Yates, Terry L. RAC Grant, \$1500. Speciation in Sorex monticolus in New Mexico. 1 year.

New Mexico Game & Fish, \$1500. Protein analysis in New Mexico Mule Deer.

National Fish & Wildlife Lab, \$500. Genic variation in mammals. 1 year.

6. Activities in learned and professional societies

Baca, Oswald G. American Society for Microbiology, New Mexico Branch: Vice-president, 1979-81. President-elect, 1981-83.

Isolation and characterization of a lipopolysaccharide from Coxiella burnetii phase II. 1979. Annual meeting of the American Federation for Clinical Research (with I.L. Martinez, D.A. Klassen, and A.S. Aragon). Abstract in: Clinical Research 27: 42A.

Coxiella burnetii: attachment to and entry into L-cells. 1979. Annual meeting of American Society for Microbiology (with D.A. Klassen, A.S. Aragon). Abstract No. D54, p. 49.

Barton, Larry. Reduction of sulfur by Desulfovibrio at Sulfur Symposium, Ciba Symposium, London, England (with G.T. Fauque and J. LeGall).

Nitrogen fixation during blue-green algal blooms at Cochiti and Abiquiu Reservoirs, New Mexico. Presented at Southwestern and Rocky Mt. Division of American Association for the Advancement of Science, April 1979 (with Johnson & Foster).

Kinetics of iron transport by Anabaena flos-aquae. New Mexico branch of American Society of Microbiology, October 1979 (with Johnson & Foster).

Transport of Iron by Anabaena flos-aquae. Presented at American Society of Plant Physiologists (with Johnson and Foster). Abstract: Plant Physiology 63s: 116.

National Meeting, American Society for Microbiology, May 1979.

Bourne, Earl W. Radioimmunochemical Detection of Cancer Symposium, December 1979.

Caldwell, Douglas E. Roundtable: Microbiological aspects of transuranic and other radioactive wastes. American Society for Microbiology National Meeting. 1979.

Cates, Rex G. Presented seminar by invitation: Stress physiology of trees and insect population dynamics. Northern Arizona University.

Seminar by invitation: Herbivore feeding patterns in relation to plant chemical defenses and leaf tissue types. University of Oklahoma.

Crawford, Clifford S. Onset of evening chorus in Tibicen marginalis cicadas. Paper given at Ecological Society of America meeting, Stillwater, OK, August 1979.

Member, editorial board, Journal of Arid Environments.

Degenhardt, William G. New Mexico Herpetological Society, parliamentarian and member, executive council.

Attended joint field meeting with state herpetological societies from New Mexico, Colorado, Kansas and Oklahoma.

Duszynski, Donald W. Meetings attended:

American Society of Mammalogists, Corvallis, OR, June 1979.

Southwestern Association of Parasitologists, Lake Texoma, Oklahoma, April 1979.

Rocky Mt. Conference of Parasitologists, Ft. Collins, CO, May 1979.

American Society of Parasitologists, Minneapolis, MN, July and August 1979.

Annual Coccidiosis Conference, Minneapolis, MN, July 1979.

Society of Protozoologists, Stillwater, OK, August 1979.

Papers presented:

An unusual new eimerian from the liver of killifish, Fundulus spp., 12th Annual Meeting of Southwestern Assn. of Parasitologists.

Ultrastructure of the exogenous stages of an unusual new eimerian from the Gulf killifish, Fundulus grandis. 11th Annual Meeting Rocky Mt. Conference of Parasitologists.

Offices held:

Elected president SWAP, 1979-80.

Elected president RMCP, 1979-80.

Nominated for secretary, Society of Protozoologists; declined.

Appointed chairman, 1980 Annual Coccidiosis Conference, San Francisco.

Appointed member, Business Advisory Committee, Society of Protozoologists, 1979-80.

Appointed member, Nominations Committee, Society of Protozoologists, 1979-80.

RMCP regional representative to ASP Council through July 1979.

Advertising Editor, Journal of Protozoology.

Ewing, Evelyn P. Paper presented at annual meeting of Society for the Study of Evolution, Boulder, Colorado, June 1979.

Findley, James. Vice President, American Society of Mammalogists (attended annual meeting, Corvallis, Oregon, June 1979).

Invited paper at Soc. Systematic Zool. meeting at Tampa, Florida, December 1979.

North American Bat Research Conference, St. Louis, October 1979.

Gosz, James R. Paper at International Workshop, Terrestrial N. Cycles, Sweden.

Paper at International Hydrological Society, New Zealand.

Paper at Forest Research Institute, New Zealand.

Johnson, Gordon V. Poster presented at Annual Meeting of American Society of Plant Physiologists, July-August, 1979. Columbus, Ohio. Transport of iron by Anabaena flos-aquae. Abstract published in Plant Physiology 63s:116 (with E.W. Foster and L.L. Barton).

Papers presented at Southwestern and Rocky Mountain Division of American Association for the Advancement of Science, April 1979, Durango, Colorado:

Johnson, G.V. and C.C. Gage. The influence of shrubs on soil characteristics in two Chihuahuan Desert plant communities. Presented by C.C. Gage. Abstract published in: Jour. Colorado-Wyoming Acad. Sci. 11:(1)17.

Nitrogen fixation during blue-green algal blooms at Cochiti and Abiquiu Reservoirs, New Mexico (with E.W. Foster and L.L. Barton).

Paper presented at Regional Microbiology Meeting, October 1979, Los Alamos, NM. Kinetics of iron transport by Anabaena flos-aquae (with E.W. Foster and L.L. Barton).

Chairman, Botanical Section, Southwestern and Rocky Mountain Division of American Association for Advancement of Science. 1978-79.

Attended Fourth North American Conference on Mycorrhiza, June 1979, Colorado State University, Ft. Collins, CO.

Kerkof, Paul R. Papers read:

Inhibition of Adenylate Cyclase Activity by 3'-Deoxyadenosine (Cordycepin), Tissue Culture Association Meeting, Seattle, June 1979 (with J.H. Nilson).

Inhibition of Adenylate Cyclase Activity by 3'-Deoxyadenosine (Cordycepin), American Society for Cell Biology Meeting, Toronto, Canada, Nov. 1979 (with J.H. Nilson).

Kidd, David E. AAAS - National Chautauqua Planning Meeting, May 14-16, 1979, Kansas City, MO. Invited participant on panel: Participants: Diversity of backgrounds, interests, and expectations.

Kogoma, Tokio. Meetings attended:

Gulf Coast Molecular Biology Conference (Jan. 1979)
Southwestern MBS Symposium (Mar. 1979)
European Molecular Biology Organization (Sept. 1979)
American Society for Microbiology, N.M. Branch (Oct. 1979)

Office held:

Councillor, American Society for Microbiology, N.M. Branch

Papers presented:

The $recA^+$, $lexA^+$ -Dependent Induction of UV-resistant DNA replication in E. coli. Gulf Coast Molecular Biology Conference (with T.A. Torrey and M.J. Connaughton).

DNA-DNA Hybridization Used to Characterize the DNA from a Mutant Strain Capable of Initiation of DNA Replication in the Absence of Protein Synthesis. At the Southwestern MBS Symposium (with N.L. Subia).

Is DNA Initiation Capability Unstable In Vivo? EMBO Workshop on Control of Replication and Partitioning of Bacterial Chromosomes and Plasmids (with T.A. Torrey and N.L. Subia).

Temperature-Sensitive Sdr^C mutant of E. coli. EMBO Workshop.

Replicon-Specificity of Sdr Regulation. EMBO Workshop (with N.L. Subia and T.A. Torrey).

Martin, William C. Two papers presented to the principals and reviewers on floristic data from the Los Medaños site.

Molles, Manuel C. Papers presented:

Wildlife habitat evaluation: a theoretical perspective.
Arizona-New Mexico Chapter, American Fisheries Society,
Feb. 1979.

Balancing the equilibrium model of insular biogeography:
the effect of island size on the rate of immigration.
Guild of Rocky Mt. Population Biologists, U. of Ariz. 1979.

The relationship of competition, reef structure, and
reef area to the structure and dynamics of reef fish
communities. U. of Oklahoma, Sept. 1979.

Potter, Loren D. Vice President for Eisenhower Consortium
for Western Environmental Forestry Research.

Paper presented at Rocky Mt. Div., AAAS, April 1979,
Field observations of Mancos shale: vegetation
relationships (with Ellen Louderbough).

Riedesel, Marvin L. Paper presented at Amer. Physiology
Society with Federation of American Societies for
Experimental Biology, April 1980. (with J.W. Hicks).

October: invited lecture at Amer. Physiology Soc.
Symposium: Protein & Fat Metabolism During Mammalian
Hypophagia & Hibernation, New Orleans.

Representative to Amer. Inst. of Biol. Sci.

Member, Educational Materials Review Board, American
Physiology Society.

Member, Committee on Desert and Arid Zones Research, SW
and RM Div. AAAS.

Abstracts:

American Physiological Society Meeting with FASEB, Dallas.
SW&RM Div. AAAS Meeting with Colorado-Wyoming Academy of
Science, Durango.
American Physiological Society, New Orleans.
SW&RM Div. AAAS Meeting, Las Vegas, Nevada.

Meetings attended:

Life, Heat & Altitude Symposium of American Physiological
Society, Univ. of Nevada.
FASEB.
SW&RM Div. AAAS.
Colorado-Wyoming Academy of Science.
Protein & Fat Metabolism During Mammalian Hypophagia &
Hibernation Symposium, American Physiology Society.

Taylor, Fritz. Timing in seasonal life histories. Paper presented at meetings of Ecological Society of America, Stillwater, OK, Aug. 1979.

Attended meeting of Entomological Society of America, Denver, Nov. 1979.

Trujillo, John. Abstract XIth Int'l Congress of Biochemistry, Toronto, Canada, July 1979. Lithium ion and AMP block the inhibition of PFK by FBPase (with Foe and Rubio).

Vogel, Kathryn G. Papers presented:

Sulfated Glycosaminoglycans are True Components of the External Membrane Surface of Human Fibroblasts in Culture, ICN-UCLA Symposium, March 1979.

Kinetic Studies of Isotopically Labeled Glycosaminoglycans Produced by Human Embryo Fibroblasts in Culture, American Soc. for Cell Biol., Nov. 1979.

Immunocytochemical Localization of Fibronectin during Spreading and Aging of Human Embryo Fibroblasts (IMR 90), Amer. Soc. for Cell Biol., Nov. 1979.

Barriers to Immunologic Recognition, Symposium on Radio-immunochemical Detection of Cancer, Dec. 1979.

Wiens, John A. Editor, The Auk (American Ornithologists' Union).

Attended meeting of AOU, College Station, Texas, in August, delivering two papers.

Member, Council, AOU.

Yates, Terry L. Geographic variation in North American Shrew-moles. Presented at SW Assn. of Naturalists, April.

Member, national committee on systematic collections, Amer. Soc. of Mammalogists.

7. Other Professional Activities

Altenbach, J. Scott. Prepared an exhibit on bat biology for Dept. of Biology exhibit at New Mexico State Fair, 1979. Participated in TV appearance for this exhibit.

Consultant for Union Geothermal Corp. on Baca Geothermal Project, Jemez Springs, NM. 1979.

Baca, Oswald G. Participated in site visit for NIH to Univ. of Puerto Rico & Med. School to evaluate their multiple investigator research grant proposal & facilities, May.

Consultant to Rodey law firm (Albuquerque) on pending case on botulism poisoning in Clovis, NM.

Paper presented at 1979 Rickettsiology Conf., U. of Maryland: Coxiella burnetii: its lipopolysaccharide and attachment to and entry into L-cells.

Attended seminar, UNM School of Medicine, Depts. of Pharmacology and Anatomy, Nov. Entry of an intracellular parasite into host cells.

Attended seminar, V.A. Hospital Infectious Diseases Branch, Albuquerque, July. The mechanism of entry of a rickettsia into host cells.

Barton, Larry. Seminars presented at:

Experimentele Biologie, Nederlands Instituut vor Onderzoek der Zee Texel, Nederlands, and Laboratoire de Chimie Bacterienne CNRS, Marseille, France.

Bourne, Earl W. Dec. 1979: invited speaker, Symposium on Radiochemical Detection of Cancer.

Caldwell, Douglas E. Consultant, Los Alamos Scientific Laboratories.

Presented two seminars for Dept. of Zoology and Botany-Microbiology at Arizona State Univ., 1979. Association of phototrophs and heterotrophs in plankton. Thermothrix thiopara and related sulfur bacteria.

Presented seminar at Third Int'l Symposium on Photosynthetic Procaryotes, Oxford Univ., England. Associations between photosynthetic and heterotrophic procaryotes in plankton. 1979.

Reviewed articles submitted to Applied and Environmental Microbiology and the Can. J. of Microbiology.

Reviewed grant proposals for NSF.

Cates, Rex G. Member, NSF Fdn. Ecology and Ecosystem Studies Review Panels.

Reviewer for USDA and SDA funding agencies.

Reviewer for journals: Science, American Naturalist, Nature, J. of Chemical Ecology, Ecology.

Degenhardt, William G. Reviewed papers for Copeia, J. Herpetology, Southwestern Naturalist. Reviewed proposals for NSF ecology division.

Duszynski, Donald W. Seminar, Univ. of Texas, Arlington, November.

Reviewed papers for Experimental Parasitology, The Auk, J. of Wildlife Diseases, The Southwestern Naturalist, The J. of Protozoology.

Reviewed NSF proposal for MONTS and grant proposals for the American Philosophical Society.

Ewing, Evelyn P. American Soc. of Human Genetics.

UNM Faculty and Professional Women's activities.

Gosz, James R. Seminars at: Forest Research Institute, New Zealand; Waikato Univ., New Zealand; Univ. of Canterbury, New Zealand; Lincoln College, New Zealand; Ministry of Works, New Zealand, and N.Z. Institute of Foresters.

Johnson, Gordon V. 1979. Soils and plant productivity studies, pp. 4.1-4.66. In A report of biological investigations at the Los Medanos waste isolation pilot plant (WIPP) area of New Mexico during FY 1978, Sandia Laboratories Report 79-0368, Albuquerque, NM (with J.W. Deichmann, C.C. Gage, and J.W. Potter.

Kerkof, Paul R. Presented seminar in Dept. of Biochemistry, Michigan State Univ., Nov. 1979. Effect of TSH and Cordycepin on Sheep Thyroid Gland Cells in Culture.

Kidd, David E. Lecturer on toxic substances: Miami Univ., Oxford, Ohio, Oct. 29-30; Univ. of Hartford, Oct. 25-26; Penn. State Univ., Oct. 22-23; Univ. of Georgia, Nov. 1-2.

Fall 1979 - Spring 1980: invited lecturer, AAAS NSF Chautauqua Short Course Program.

Kogoma, Tokio. Reviewed proposal for NSF.

Ligon, J. David. Invited seminars: Princeton Univ., Univ. Minnesota, Univ. Maryland (2 campuses), Univ. Penn.

Molles, Manuel C. Aquatic insect identification & enumeration for U.S. Bureau of Sport Fisheries & Wildlife project to evaluate the impact of Western Budworm control program, Aug. 1979.

Member, Governor's Advisory Committee on WIPP Program, Jan.-Aug. 1979.

Martin, William G. Off-campus talks to various local groups.

Research Associate, Los Angeles Co. Museum of Natural History (a flora of Los Angeles County).

UNM Speakers Bureau

Consultant and cast member for educational TV program on desert biology, Children's Television Workshop, N.Y., Sept. 1979.

Potter, Loren D. Presentation of two seminars on fire ecology at non-university science groups.

Consultant as expert witness on two environmental problems.

Evaluation committee member of biochemistry program at Dartmouth College & Medical School.

Taylor, Fritz. Participant in NIH-sponsored program Minority Access of Research Careers in Dept. of Math. & Stat., UNM.

Thornhill, Randy. Advisory panel, NSF (psychobiology).

Off-campus talks: Depts. of Ecology & Evolution & Entomology, Univ. of Arizona, Tucson. Dept. of Environmental, Population & Organismic Biology, Univ. of Colo. Museum of Northern Ariz. & Dept. of Biol., Northern Ariz. Univ., Flagstaff. Dept. of Biol., Univ. of Chicago. Section of Neurobiology & Behavior, Cornell Univ., Ithaca, N.Y.

Interviews regarding my research broadcast on CBS TV and 1 local TV station and 2 local radio stations.

Toolson, Eric C. Biology Dept. exhibit, New Mexico State Fair, 1979.

1979. Principles of Biology. Hunter Publishing Co., Winston-Salem, N.C. 117 pages. (with J.S. Altenbach, L.R. Berger, S. Ligon and J. Hastings).

Trujillo, John. Seminar, Dept. of Biochemistry, 1979.

Wiens, John A. Member of Steering Committee, Bird Censusing Symposium (sponsored by several Federal agencies); member of team evaluating Graduate programs in Ecology and Behavioral Biology at Univ. of Minnesota, May 1979.

Reviewer, Management Plan for Birds of Prey Study Area, Idaho (BLM).

Invited seminars at Univ. of Michigan, Univ. of Pennsylvania, Princeton Univ., and NMSU.

Invited paper, "The energetic role of birds in ecosystems: explorations through simulation modeling" in symposium on "Energy Flow in Biological Systems," York Univ. (Ontario), March 1979.

Yates, Terry L. Data analysis consultant, Texas Tech Univ. (3 weeks summer).

Invited guest, seminar, Dept. of Game & Fish, Santa Fe.

Invited symposium talk, Int'l Mexican Wolf Recovery Team (the value of genetic information in managing endangered species).

8. Non-Teaching University Service

Altenbach, J. Scott. Chairman, Undergraduate Curriculum Committee.

Baca, Oswald G. Member, Health Sciences Advisory Committee. Member, Graduate Policy Committee, Biology Department.

Chairman, Selection Committee for the Minorities Biomedical Support Program.

Member, Biology Department Safety Committee.

Participant, UNM Ambassadors Program.

Barton, Larry. Graduate Student Committees for J. Ruocco and M.B. Frankenfield.

Bourne, Earl W. Health Professions Advisor and member, Health Sciences Advisory Committee.

Caldwell, Douglas E. Member, Biology Department Seminar Committee.

Curator of Microorganisms

Graduate Student Committees for Gregory Schiefer, Charles Gage, Nelda Subia, Dan Brannan, Tom Kieft, Fred Fisher, Marcia Gardner, Herb Grover, Elsa Scott, Joseph Ruocco, Abbe Teffera.

Crawford, Clifford S. Member of doctoral dissertation committee at NMSU. Major advisor of 1 graduate student and on committees of several others.

Curator of invertebrates.

Degenhardt, William G. Graduate Advisor, 4 students; Graduate Committee, 2 students.

Curator of Herpetology.

Teaching Evaluation Committee, N.M. Union Board, Search Committee for N.M. Union Director.

Duszynski, Donald W. Member, Graduate Policy Committee, Biology Dept.

Pre-vet Advisor, Biology Dept.

Findley, James. Chairman, Dept. of Biology; various University committees; 5 doctoral, 2 masters student committees.

Gosz, James R. Graduate Selection Committee, Biology Dept.; Toxic Waste Disposal Committee, Biology Dept.; 3 graduate students.

Johnson, Gordon V. University Committee: Radiation Control Committee. Departmental Committees: Faculty & Graduate Assistant Teaching Evaluations, Peer Evaluation of Teaching. Graduate Student Committees: J. Gearhart, M.L. Marple, M.A. Burkstaller, D.V.L. Harris, C.J. Sheridan.

Johnson, William W. Chairman, University Admissions & Registration Committee. Member, Faculty Senate Executive Committee. Transfer Student Advisor (Biology). Liason Rep. with the General Library.

Kerkof, Paul R. UNM Radiation Protection Subcommittee.

Direction of research and dissertation writing of graduate students; graduate committees for several students.

Kidd, David E. Basic Skills Curriculum Committee.

Freshman Advisor in Biology Department.

Graduate Advisor for 3 graduate students.

Special consultant to Univ. of Missouri, Kansas City Div. of Continuing Education.

Attended joint Albuquerque Public Schools/A&S Workshop, October 11, 1979.

Reviewed manuscripts for Benjamin/Cummings Publ. Co.; Nat'l Ass'n of Biology Teachers.

Started new courses: Biol. Conservation 379 and Natural Science 100.

State Director, Nat'l Ass'n of Biology Teachers Outstanding Biology Teacher Award.

Associate editor, Southwestern Naturalist's SWANEWS.

Center director for 2 NSF-AAAS short courses at UNM.

Ligon, J. David. Advisor of 4 graduate students.

Chairman, Graduate Student Selection Committee.

Curator of birds.

Martin, William C. Member, State of New Mexico Committee on threatened and endangered.

Curator of Herbarium and Museum of Botany, UNM.

Preforestry advisor.

Member, UNM-Sandia Colloquium Committee.

Molles, Manuel C. Curator of UNM Fish Collection.

Potter, Loren D. Arts & Sciences Promotion Committee.

Taylor, Fritz. Member, graduate committees for 3 Anthropology students. Advisor for 4 Biology graduate students.

Organized Biology Honors Program.

Thornhill, Randy. Graduate Policy Committee.

Advisor for 2 graduate students; committee member on committees of 4 graduate students.

Toolson, Eric C. Chairman, Graduate Admissions and Support Committee.

Member, Undergraduate Core Curriculum Committee.

Member, Physiology Curriculum Committee.

Trujillo, John. Member, Graduate Student Committee.

Wiens, John A. Advisor to 5 graduate students at UNM; 2 at Oregon State.

Chairman, Graduate Policy Committee, Biology Department.

Yates, Terry L. Provided part of UNM Biology Dept. exhibit at New Mexico State Fair.

Chairman, Biology Department Parents' Day Committee.

Curator of mammals.

9. Public Service

Altenbach, J. Scott. Two 30-min. talks on biology to classes at Monte Vista Elementary School.

Organization of on-campus comparative anatomy demonstration for Monte Vista Elementary School Special Education Class.

Barton, Larry. Boy Scout leader. Little League coach.

Johnson, Gordon V. Judge, State Science Fair.

4-H Club Project Leader.

Kerkof, Paul R. Helped officiate at Division IV and V American Youth Soccer Ass'n games during spring and fall.

Martin, William C. Non-paid consultant, Poison Control Center.

Vogel, Kathryn G. Girl Scout troop leader.

Wiens, John A. YBA Basketball coach.

Awards chairman, Cub Scout Pack 460.

10. Personal Information

Altenbach, J. Scott. Divorced.

Caldwell, Douglas E. New baby.

Findley, James. New grandchild, Sophia Eleftheriou.

Taylor, Fritz. Married to Elsa Scott, September, 1979.

Thornhill, Randy. Daughter born July 4, 1979.

THE REPORT OF THE DEPARTMENT OF CHEMISTRY

July 1, 1979 to June 30, 1980

Guido H. Daub, Chairman

I. General Departmental InformationA. Significant Achievements During the Academic Year 1979-80

During the year 1979-80, twelve (nine males and three females) undergraduate majors received the B. S. Degree and six (three males and three females) students received the B. A. Degree in Chemistry. A total of fifty-one students (thirty-two males and nineteen females) received a minor in Chemistry. At the graduate level, there were nine students, (seven males and two females) who received the M. S. in Chemistry. The following tables list the names of the students who received either a major in Chemistry or a graduate degree in Chemistry. It should be pointed out that of the B. S. majors, five of these will go on to graduate school to study chemistry, one at the University of Wisconsin at Madison, one at the University of Arizona, one at the University of Utah, and two here at the University of New Mexico.

Students Receiving a B. S. Degree in Chemistry in 1979-80

Sandra J. Doughton	Steven A. Snow	Patrick J. Josey
Paulette Lyle	Mark A. Vickers	Donald E. Maier
Tina C. Young	Harold D. Beeson	David E. Stilwell
Glen E. Kellogg	William Houston, III	James C. Wardlaw

Students Receiving a B. A. Degree in Chemistry in 1979-80

Mary L. LaCasse	Patty Carabajal	Alan R. Hunter
Christine Schupbach	Mark Wesselman	Michael Paine

Students Completing the Master's Degree in Chemistry in 1979-80

Marcia S. Kite	Joseph D. Mather	Michael E. Nokela
Phyllis A. Leber	Christopher J. Hilleary	Richard B. Ortega
Ching-Hsien Chang	William D. Dean	Lawrence L. Whitfield, Jr.

The Department has recently been notified by the National Science Foundation that our proposal asking for matching funds to purchase a fourier transform infrared spectrometer has been approved. It will take approximately six weeks for the official notice to come through. The Department is to receive \$58,000 from the National Science Foundation for the purchase of this needed piece of equipment. The matching funds of \$58,000 or more will be supplied through the recent bond issue support for purchase of research equipment for the sciences. Chemistry's allotment of the first phase of that money was over \$300,000. Professor Paine was responsible for the preparation of the proposal and other members of the Department contributed to its content.

The proposal which was submitted by the Department to the National Science Fdn during the year 1978-79, for the purchase of a new electron spin resonance spectrometer was not successful. We have, however, been able to purchase an instructional table model instrument with instructional bond issue money supplied by funds provided by the University. This latter piece of equipment has been ordered and is about to be delivered. During the year 1979-80, the Department received approximately \$45,000 from the Administration in the form of bond issue money to further update Chemistry's need for equipment. This bond money was used to purchase a Cary 219 spectrometer (\$21,000), a polarimeter (\$11,000), miscellaneous equipment for updating the Chemistry 131, 132 and 253 laboratories (\$7,000), and needed miscellaneous items for the X-Ray Crystallography laboratory (\$3,000). A limited amount of funds have been held in abeyance to cover any other expenses related to these items. The spectrometer and polarimeter are on order, but delivery has not as yet been received.

The Department's collaboration with the Los Alamos Scientific Laboratory is continuing in that several faculty hold the position of consultant or visiting staff member, short term, with the Laboratory.

Enrollments in Chemistry have shown only a very slight change over the 1978-79 academic year and for all practical purposes, we can say that the decline mentioned last year has leveled off. Hopefully, we will be able to reduce the sizes of some very large classes we have had in the past. We hope to eventually level off the organic chemistry (301 and 302) to a more manageable size in the near future. Some of these sections have been running in excess of 150 students and should be leveled off to approximately 75 or less students per section. We also intend to reduce the size of our quantitative analysis lecture sections and freshman chemistry lecture sections. This may not be possible without some increase in the size of our staff. Hopefully within the near future this can be done.

The Biochemistry Program sponsored with the Department of Biochemistry in the School of Medicine, still appears to be functioning reasonably well. We have had a certain amount of collaboration between Chemistry and Biochemistry faculties, especially in the area of research. We hope this joint venture continues and that the bond between the two departments becomes stronger in the future.

During the 1979-80 academic year, the Department continued to use student help to provide a combined wood and metal shop technician. This certainly has been inadequate, especially with respect to metal working. The need

for a machinist and machine shop facility for Chemistry still exists and every effort should be made to allow us to have these kinds of facilities available. In a recent meeting of Vice Provost for Research, Joseph Scaletti, and the Chairman of the Physics Department, Marcus Price, several members of the Chemistry faculty were encouraged by the prospect of being able to obtain a machine shop technician who would be based in the Physics Department Shop and do work for Chemistry. Vice Provost Scaletti pledged some kind of assistance in this matter and final details have not as yet been worked out.

As in the past, members of the Department were evaluated by student opinion in both the Fall and Spring Semesters. In these evaluations, the Department went back to using its old form rather than the University's. If student evaluations are a true indication, it does appear that the faculty in Chemistry is, in general, doing a good job of teaching at both the undergraduate and graduate level.

During the school year 1979-80, the Chemistry Department's Seminar Program was financed by donations from Alumni and other interested parties as well as the Overhead Return Account. Donations to the Seminar Fund totaled approximately \$1400. This program was also funded through the auspices of the University of New Mexico Colloquium Committee in the amount of \$600. The amount supplied from the Overhead Return Account for the academic year 1979-80, was approximately \$470. Approximately \$2000 was used from the Seminar Account toward the expenses of the Seminar speakers. Thirteen hundred dollars was contributed by the UNM Sandia Colloquium Committee, and \$200 from the Arts and Sciences College Speakers Fund. An estimate of the total cost of this program for the 1979-80 year was approximately \$5000. The Seminar speakers and titles of their talks for the 1979-80 year are shown in Table I.

Chemistry Department Seminar Speakers, Fall Semester 1979

Dr. H. Wamhoff August 31, 1979	Heterocyclic β -Enamino Esters, Versatile Synthons in the Preparation of New Condensed Heterocyclic Systems	University of Bonn
Dr. Neal Armstrong September 7, 1980	Chemically-Modified Electrodes for Solar Photoelectrolysis	University of Arizona
Dr. Joseph G. Morse September 21, 1979	Difluorophosphino Chemistry. The Radical and Functional Group	Utah State University
Dr. W. J. McDowell September 27, 1979	Separations Chemistry and Hydrometal- lurgy Research at Oak Ridge National Laboratories: Background and Opportunities	Oak Ridge National Labs
Dr. K. V. Terrell September 28, 1979	Chemistry and Chemical Research at ARCO	ARCO Oil and Gas Co.
Dr. Henry Rappoport October 5, 1979	Psoralens	University of California at Berkeley
Dr. F. A. L. Anet October 12, 1979	Dynamic NMR and Force-Field Calculations on Some Medium-Ring Compounds	University of Calif at Los Angeles
Dr. M. Y. Darensbourg October 19, 1979	Ion-Pair and Acid-Base Interactions of Significance to Transition Metal- Organic Chemistry	Tulane University
Dr. David J. Pettitt October 26, 1979	The Structure, Properties, and Applications of Polysaccharides	KELCO
Dr. Clayton F. Callis November 2, 1979	Chemistry and Chemicals -- Is there a Future?	Monsanto Central Research
Dr. William H. Woodruff November 9, 1979	Resonance Raman Spectroscopy: Electronically Excited States and Other Ephemerals	University of Texas at Austin
Dr. Allen J. Bard November 16, 1979	Photochemistry and Heterogeneous Photo- processes at Semiconductors	University of Texas at Austin
Dr. D. Lichtenberger November 30, 1979	Photoelectron Spectroscopy of Organometallic Complexes	University of Arizona
Dr. Thomas Krugh December 7, 1979	Spectroscopic Studies of Drug-Nucleic Acid Complexes	University of Rochester

Dr. Thomas J. Pinnavaia January 31, 1980	Layered Silicate Intercalation Catalysts	Michigan State University
Dr. George Pack February 1, 1980	Base-Sequence Dependent Conformation Changes and Nucleic Acid Intercalation -- A Theoretical Perspective	University of Illinois
Dr. Harold W. Moore February 8, 1980	Ketene Cycloadditions and New Routes to β -Lactams	University of California-Irvine
Dr. Keith Pannell February 15, 1980	Studies on Silicon-Transition Metal Complexes	University of Texas-El Paso
Dr. James W. Taylor February 22, 1980	Applications of Synchrotron Radiation to Studies of Gases and Surfaces	University of Wisconsin-Madison
Dr. Ivan Bernal February 27, 1980	Structures and Absolute Configuration of Organometallic Compounds	University of Houston
Dr. Richard Eisenberg March 10, 1980	Homogenous Catalysis of the Water Gas Shift Reaction and Related Topics	University of Rochester Rochester, NY
Dr. Alan Sargeson March 12, 1980	Cage Compounds	Australian National Univ
Dr. K. B. Wiberg March 13, 1980	Chemistry of Some Fused Cyclobutanes	Yale University
Dr. K. B. Wiberg March 14, 1980	Effects of Substituents on Charge Distributions	"
Dr. Jon McCleverty April 2, 1980	Consequences of Overcrowding and Deprivation on the Chemistry of Molybdenum and Tungsten	The University Sheffield, England
Dr. Eric Bandurski April 8, 1980	The Origin of Petroleum	AMACO, Tulsa, OK
Dr. William Klemperer April 8, 1980	The Formation of Molecules in Interstellar Space	Harvard University
Dr. William Klemperer April 9, 1980	The Structure of Van der Waals' Molecules	"
Dr. John E. Bercaw April 11, 1980	Recent Developments in Small Cluster	California Institute of Tech
Dr. Joseph H. Patterson April 18, 1980	Differences Between Academic and Industrial Research	Celanese Fibers
Dr. Gary Maciel April 25, 1980	Magic Angle Spinning NMR of Solid Samples	Colorado State University
Dr. Henry Freiser May 2, 1980	The Kinetics of Extraction of Metal Chelates	University of Arizona
Dr. Richard Zare May 9, 1980		Stanford University

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B. Significant Plans and Recommendations for the Near Future

Plans to renovate the older part of Clark Hall were developed several years ago and sent to the Dean in a proposal dated January 1977. Some of those recommendations have been changed since that time and during the past year, the Department's Building Committee has met several times with the architect to discuss both renovations and recommendations for an addition to the present Chemistry Building. Some progress has been made however, in renovation plans for the building in that a bid was recently received to renovate Rooms 211 and 215 in the Chemistry Building. These two rooms, especially 211, contain antiquated furniture which is no longer useful and in fact, these laboratories in their present state, are unsafe. The decision is now pending on whether or not this renovation work should be carried out. Hopefully this decision will be positive and these two laboratories will again become useful for research.

The Department is still in need of an electronics technician in addition to the one-third time person we now have, although Mr. Earle George does have some part-time help in the form of workstudy students, in general the service provided by his shop is inadequate for our needs. Hopefully this situation will be remedied in the future. Our situation regarding the electronics service has been inadequate for several years and this has been mentioned in every Annual Report for some time now.

As was mentioned earlier in Section A of this report, we are still negotiating for an in-house machinist technician position who will be housed in the Physics Machine Shop and will do such metal work as necessary for the Chemistry Department. As was pointed out, progress has been made in the realization of this goal and one plan for next year is to finally realize

such kind of service for this Department. Faculty members in our Department in the area of analytical and physical chemistry have an extreme need for this kind of facility. Every effort should be made by the University to provide this kind of aid no later than July 1, 1981.

In November of 1979, the Department was able to secure a one-half time secretarial position to assist our other three secretaries in the enormous amount of typing and other secretarial duties. Since that time, this one-half position has become a permanent one-half position and we are eventually hopeful that the Department will be able to have the services of four full-time secretaries.

The Department is in need of hiring two technicians or staff scientists to assist in the running of some of the highly sophisticated instrumentation which has been acquired by the Department over the past few years and which will continue to be acquired as we improve our situation on obtaining such kinds of back-up instrumentation for our research efforts.

With the recent acquisition of funds through the latest bond issues for improving the University's research equipment in scientific areas, the need for this kind of help has become even more apparent. We recently lost a faculty member through resignation who is being replaced for the coming year by a staff scientist. This staff scientist will operate our X-Ray Crystallography facility and probably will be needed on a full-time basis for this service.

As was pointed out earlier, we will also be purchasing in the very near future, a fourier transform infrared spectrometer. I believe that the Department is ready to hire a second staff scientist or advanced technician

to operate this instrument and also be responsible for the maintenance and operation of the three nuclear magnetic resonance instruments in the Department. At the present time, responsibility for these nmr instruments lies in the hands of select faculty. These extra duties of maintaining these instruments as well as training advanced graduate students on their operation, is a considerable burden on these faculty. We try to give these faculty some measure of teaching load equivalent for performing these duties, but it would be more efficient if these kinds of responsibilities were administered by a talented technician rather than a faculty member. I feel that our faculty have done a fine job in maintaining these instruments, but the time they have had to spend in this kind of assistance could be spent more efficiently by them in creative work related to their research. Equipment in this Department which should be maintained and run essentially by a qualified technician are the nmr instruments, the mass spectrometer, the new FTI-R and the X-Ray Laboratory. I foresee other instrumentation acquired by the Department designed for general use which will also require able technicians to maintain their operation.

The Department is currently looking for a new faculty member at the senior level to take over the assignment of Department Chairman. The current chairman has been in this position for ten years and it is time that the Department find a new one. A search is currently being conducted for this person and hopefully the right candidate will be found to take over this post.

C. New Additions

Carl Hilton joined our staff to replace Alfred Anzures. Marlene Johnson was hired as a one-half time secretary. She essentially has replaced the

CETA secretary who was separated during the 1978-79 academic year.

D. Alfred Anzures left the Department to go back to school full time.

Thomas E. Jones is leaving and has accepted a position with the nuclear waste management program at the Rockwell Hanford Laboratory in Richland, Washington. Dr. Charles F. Campana has resigned to accept a position with the Syntex Division of the Nicolet Instrument Company in Cupertino, California.

Composite of Information Submitted on Individual Biographical Supplement:1. Advanced Study:

(a) None

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

- (a) WILLIAM F. COLEMAN: Sabbatical leave -- Department of Chemistry, Stanford University with Professor R. N. Zare
- (b) MILTON KAHN: Travel to Los Alamos Scientific Laboratory as Visiting Staff Member
- (c) DONALD R. McLAUGHLIN: Sabbatical leave 1978/1979, visiting Associate Researcher, University of California at Irvine.
- (d) THOMAS M. NIEMCZYK: Sabbatical spent in the laboratory of John P. Walters at the University of Wisconsin working on a project involving resonance schlieren spectroscopy of transient discharges.
- (e) EDWARD A. WALTERS: Travel to LASL as Visiting Staff Member

3. New Scholastic honors, fellowships:

- (a) MILTON KAHN: Received the John Dustin Clark Award for 1978 (in January, 1979) from the Awards Committee of the Central New Mexico Section of the American Chemical Society.

4. Publications:

(a) FRITZ S. ALLEN:

(1) Comparisons Between Oriented Film and Solution Tertiary Structure of Various Nucleic Acids, Douglas Priore and F. S. Allen, Biopolymers, 18, 1809-1820 (1979).

(2) An Instrument for the Measurement of Electric Dichroism, W. Rahe, R. Fraatz, L. Sun, D. Priore, and F. S. Allen, Electro-optics and Dielectrics of Macromolecules and Colloids, ed. Barry R. Jennings, pp 57-66, Plenum Press (1979).

(3) Physical Studies of Hg(II) and Ag(I) Complexes with DNA -- Electrooptic Results, DaWen Ding and F. S. Allen, Electro-optics and Dielectrics of Macromolecules and Colloids, ed. Barry R. Jennings, pp 143-146, Plenum Press (1979).

(b) CHARLES F. CAMPANA:

(1) The Crystal Structure of 2-Fluoro-1,3-dimethyl-1,3,2-diazaphospholidine 2-Sulfide, Acta Crystallographica, 1978, Vol. B34, pp. 3671-4. Coauthors: R. W. Light, R. T. Paine and B. Morosin.

(2) "The Preparation and Structural Characterization of the Mono- and Bis-Triphenylphosphine Substituted Derivatives of $\text{Co}_2(\text{CO})_6(\mu\text{-As}_2)$: The Effect of Phosphine Ligand Substitution on the Co_2As_2 Metal Cluster System", *Inorganic Chemistry*, 1979, Vol. 18, pp 3047-54. Coauthors: A. S. Foust, F. D. Sinclair, and L. F. Dahl.

(3) "Structural Characterization of $\text{Co}_2(\text{CO})_5[\text{P}(\text{C}_6\text{H}_5)_3] \cdot (\mu\text{-P}_2)$: A Tricyclic Complex Containing a Bridging P_2 Ligand, *Inorganic Chemistry*, 1979, Vol. 18, pp 3054-59. Coauthors: A. Vizi-Orosz, G. Palyi, L. Marko, and L. F. Dahl.

(4) "Stereochemical Analyses of $\text{Fe}_2(\text{CO})_6(\text{-Se}_2)$: A Diselenium Analogue of $\text{Fe}_2(\text{CO})_6(\mu\text{-S}_2)$ ", *Inorganic Chemistry*, 1979, Vol. 18, pp 3060-64. Coauthors: F. Y. Lo and L. F. Dahl.

(5) "Synthesis, Characterization, and Molecular Structure of an Aluminum Pentamethylcyclopentadienyl Complex, $[\mu^3\text{-}(\text{CH}_3)_5\text{C}_5\text{Al}(\text{Cl})\text{CH}_3]_2$: An Organometallic Analogue of Benzvalene, *Journal of the American Chemical Society*, 1979, Vol. 101, pp 7726-28. Coauthors: P. R. Schonberg and R. T. Paine.

(c) WILLIAM F. COLEMAN

(1) The 254 nm Photochemistry of the Rhodo Chromium(III) Complex -- Observation of New Photosubstitution Reactions, accepted 8/20/79 for *Inorganic Chemistry*.

(2) Transient Photocurrents in MnO_4^- Solution, accepted 9/15/79 for *Journal of the American Chemical Society*.

(d) GUIDO H. DAUB

(1) "Convenient Synthesis of Perinaphthane via Chloroaluminum Hydride Reduction of Perinaphthanone", *J. Org. Chem.*, 44, 1340 (1979), with J. E. Simpson.

(2) "Organic Synthesis with Stable Isotopes", "Stable Isotopes: Proceedings of the Third International Conference", pp. 3-10, Academic Press (1979), with V. N. Kerr, D. L. Williams and T. W. Whaley.

(3) "Solvolytic Reactivity of 6-Chloromethylbenzo[a]pyrene and selectivity of Trapping of the Arylmethyl Cation by Added Nucleophiles", *J. Org. Chem.*, 44, 3196 (1979), with R. E. Royer and D. L. VanderJagt.

(4) "Reactivity-Selectivity Properties of Reactions of Carcinogenic Electrophiles with Biomolecules. Kinetics and Products of the Reaction of Benzo[a]pyrenyl-6-methyl Cation with Nucleosides and Deoxynucleosides", *J. Org. Chem.*, 44, 3202 (1979), with R. E. Royer, T. A. Lyle, G. G. Moy, and D. L. VanderJagt.

(5) "New Synthesis of 5-Methylbenzo[a]pyrene and 11-Methylbenzo[a]pyrene", *J. Org. Chem.*, 44, 4461 (1979), with R. S. Bodine.

(6) "Carbon-13 Nuclear Magnetic Resonance Study of Nucleophilic Additions to Benzo[a]pyrene 4,5-Oxide and of its Acid Catalyzed Rearrangement", *J. Org. Chem.*, 44, 4652 (1979), with M. D. Hylarides, T. A. Lyle and D. L. VanderJagt.

(7) "Synthesis with Stable Isotopes. DL-Valine- $^{13}\text{C}_3$ ", J. Labelled Compds. and Radiopharmaceuticals, XVI, 809 (1979), with T. W. Whaley, V. N. Kerr, T. A. Lyle, and E. S. Olson.

(8) "Synthesis of Some Tetrahydrochrysenes as Potential Ultraviolet Laser Dyes", J. Org. Chem., 44, 4933 (1979), with Terry A. Lyle.

(e) LORRAINE DECK

A laboratory book for Chemistry 111 is being published by Burgess to be used in the Fall of 1980.

(f) ULRICH HOLLSTEIN

(1) Non-Lactam Antibiotics, Burger's Medicinal Chemistry, 4th Edition, Wiley, New York, 1979, Chapter 16, p. 173-288.

(2) Synthesis of Shikimic-6- ^{13}C Acid, J. of Labelled Compounds and Radiopharmaceuticals, in press.

(3) Carbon-13 NMR Studies on Some 5-Substituted Quinoxalines, Organic Magnetic Resonance, in press.

(g) THOMAS E. JONES

(1) With L.S.A.L. Sokol, D. B. Rorabacher, and M. D. Glick, "Curcuminstription of Mercury(II) by a Macrocyclic Ligand: Crystal Structure of 1,5,9,13-Tetra-thiacyclohexanemercury(II) Perchlorate," J. Chem. Soc., Chem. Commun., 140 (1979).

(2) With L. L. Diaddario, L. L. Zimmer, L. S. Sokol, R. B. Cruz, E. L. Yee, L. A. Ochrymowycz, and D. B. Rorabacher, "Macrocyclic Ligand Complexation Kinetics. Solvent, Ring Size and Macrocyclic Effects on the Formation and Dissociation Reactions of Copper(II)-Cyclic Polythiaether Complexes," J. Am. Chem. Soc., 101 3511 (1979).

(3) With B. J. Nusser, "Kinetics of the Reactions of Aquodiethylenetriamine-palladium(II) with Small Cyclic Mono- and Dithiaethers: Effects of Ligand Cyclization," Inorg. Chem. submitted for publication.

(h) WILLIAM M. LITCHMAN

(1) "Proton Exchange and Temperature Studies of Pyrazole in Dimethyl-d6 Sulfoxide by ^{13}C NMR," J. Am. Chem. Soc., pp. 545-7, Vol 101, 1979.

(i) DONALD R. McLAUGHLIN

(1) Ground- and lower excited-state discrete ab initio electronic potential-energy surfaces for doublet HeH_2^+ , D. R. McLaughlin and D. L. Thompson; J. Chem. Phys. 70, 2748-2769 (1979).

(j) CARY J. MORROW

"Cholesterol Biosynthesis Inhibitors," US Patent No. 4,169,944, October 2, 1979 (with T. J. Scallen).

(k) THOMAS M. NIEMCZYK

- (1) "Preparation of Cathodes for Use in Demountable Hollow Cathode Lamps", *Applied Spectroscopy*, 33, 61 (1979).
- (2) "Optimization of Parameters in Photon Counting Experiments," *Analytical Chemistry*, 51, 2001 (1979).

(l) ROBERT T. PAINE

- (1) R. T. Paine and R. W. Light, "Synthesis and Coordination of Chemistry of Cyclopentadienylfluorophosphine Ligands," *Inorg. Chem.*, 18, 368 (1979).
- (2) L. H. Jones, R. C. Taylor, and R. T. Paine, "Potential Constants of Borane Carbonyl," *J. Chem. Phys.*, 70, 749 (1979).
- (3) R. T. Paine, R. W. Light, and M. Nelson, "Vibrational Spectra of Uranium(IV) Borohydride and Uranium(IV) Borodeuteride," *Spectrochim. Acta.*, 35A, 213 (1979).
- (4) R. W. Light and R. T. Paine, "The Formation of Diphosphine Monocations and Dications from Methylaminobisdifluorophosphine," *Inorg. Chem.*, 18, 2345 (1979).

(m) E. P. PAPADOPOULOS

- (1) E. P. Papadopoulos and C. M. Schupback, "Reactions of Azoles with isocyanates at Elevated Temperature, *J. Org. Chem.*, 44, 99 (1979).
- (2) E. P. Papadopoulos, "Reactions of Isocyanates with 1-Cyanothioformanilide," *J. Org. Chem.*, 44, 3959 (1979).

(n) SU-MOON PARK

- (1) Algorithm for the Determination of Decay Rate Constants by Reversal Current Chronopotentiometry, *Anal. Chem.*, Vol. 51, 585-586 (1979), Co-author: D. A. Tryk.
- (2) Thermodynamic Stabilities of Semiconductor Electrodes, *J. Electroanal. Chem.*, Vol. 99, 67-75 (1979), Coauthor, M. E. Barber.
- (3) Molecular Complexes of Maleic Anhydride with Acetone and Benzene, *Tetrahedron*, Vol. 35, 2485-2491 (1979), Coauthor: S. Silber and W. C. Herndon.

(o) ROBERT E. TAPSCOTT

- (1) "Isomerism in Complexes of Bidentate Ligands with Enantiotopic Donor Atoms," *Coordination Chemistry Reviews*, Vol. 29, pp. 87-127 (1979).
- (2) Stereochemical Studies on Diastereomers of Tris(2,3-butanediamine) Cobalt(III)," *Inorganic Chemistry*, in press.

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(p). DAVID L. VANDERJAGT

- (1) Abstract FASEB Meeting, Dallas, April, "Purification and Substrate Specificity of a Specific Glutathione Thiolesterase, Glyoxalase-II, from Rat Erythrocytes". Fed. Proc. 38, 2335 (1979).
- (2) Second Abstract "Analysis of Bilirubin Binding and the Multiple Catalytic Properties of Glutathione-Transferase (Ligandin) from Human Liver". Fed. Proc. 38, 1800 (1979). "Solvolytic Reactivity 6-Chloromethylbenzo[a]pyrene and Selectivity of Trapping of the Arylmethyl Cation by Added Nucleophiles". J. Org. Chem. 44, 3196 (1979). "Reactivity-Selectivity Properties of Reactions of Carcinogenic Electrophiles with Biomolecules: Kinetics and Products of the Reactions of Benzo[a]pyrenyl-6-methyl Cation with Nucleosides and Deoxynucleosides", J. Org. Chem. 44, 3202 (1979). "Isolation and Kinetic Analysis of the Multiple Forms of Glyoxalase-I from Human Erythrocytes", Arch. Biochem. Biophys. 195, 261 (1979). "Structural Effects in Solvolytic Reactions-31", J. Amer. Chem. Soc. 101, 1780 (1979). "¹³C-NMR Study of Nucleophilic Additions to Benzo[a]pyrene-4,5-oxide and of its Acid Catalyzed Rearrangement", J. Org. Chem. 44, 4652 (1979). "Reactivity-Selectivity Properties of Reactions of Carcinogenic Electrophiles and Nucleosides: Influence of pH on Site Selectivity". Chem. Biol. Interactions, December, 1979. "Purification of S-2-Hydroxyacylglutathione Hydrolase (Glyoxalase-II) from Rat Erythrocytes", Anal. Biochem. 84, 472 (1979).

(q) EDWARD A. WALTERS

- (1) "Photoionization of Carbon Disulfide Monomers and Dimers in a Supersonic Molecular Beam," J. Chem. Phys., 71 1692 (1979).
- (2) Hydrologic and Environmental Findings: San Juan UCC Site," Proceedings of the 5th Underground Coal Conversion Symposium, Alexandria, VA, June, 1979, pp. 275-280.

5. Other research projects or creative works:

(a) FRITZ S. ALLEN

- (1) Wrote proposals entitled: 1. The extension of Electric Dichroism to Smaller Molecules.
- (2) An Electric Dichroism Study of DNA and DNA Drug Adducts. The latter proposal was funded by NIH at \$120,000, funding starts January 1, 1980.

(b) CHARLES F. CAMPANA

- (1) Stereochemical and Bonding Studies of Transition Metal Complexes, Sandia Corporation RFQ 07-7914, October 1, 1977 - September 30, 1979; \$33,000.
- (2) Nonparameterized Molecular Orbital Calculations on Transition Metal Complexes, unsupported.
- (3) Structural Studies of Transition Metal Complexes of Amino Acids, joint with W. F. Coleman (UNM) and W. M. Litchman (UNM).

(4) X-Ray Crystallographic Studies of Vanadyl Tartrate Complexes, joint with R. E. Tapscott, (UNM).

(5) Development of Computer Graphics Software for the Display of Molecular Structures.

(6) Structural Studies of Phosphine Complexes of Transition Metals, joint with R. T. Paine (UNM).

(7) Structural Studies of Alkyl Aluminum Complexes, joint with R. T. Paine.

(c) ROY D. CATON

(1) U.S. Dept. of Energy: "Preparation of Soil Samples for the Rocky Flats Testing Program," \$1500, November 1978-June 1979.

(d) WILLIAM F. COLEMAN

(1) Supported Research:

a. Spectroscopy of Highly Excited Vibrational Levels of HF/DF -- supported by Air Force Office of Scientific Research 2/1/79-9/30/80, \$67,275.

b. Amino Acid and Peptide Complexes of Cr(III) -- supported by National Institutes of Health, 9/1/77-8/31/80, \$56,500.

(2) Unsupported Research:

a. Charge Transfer Photochemistry -- proposal in preparation.

b. Iodine Metastable Lifetimes -- work being done at Kirtland Air Force Base.

c. Energy Transfer in Cr(III)-Cr(VI) Mixed Complexes.

d. Vapor Phase Spectroscopy of Cr(III) Chelates -- proposal in preparation.

e. Molecular Orbital Calculations on Metal Complexes.

f. Transient Photocurrent Spectroscopy -- proposal pending.

g. Photochemistry in TBP Solution -- proposal pending.

h. Excimer Laser Induced Metal Ion Photochemistry -- proposal in preparation.

(3) Pending Proposals

a. Transient Photocurrent Spectroscopy -- Office of the Naval Research, 3 years, \$193,629.

b. Transient Photocurrent Spectroscopy -- National Science Foundation 3 years, \$193,629.

(c) Transient Photocurrent Spectroscopy -- Department of Energy, 3 years \$193,629.

(d) Solution Photochemical Studies Related to Problems of Nuclear Fuel Liquid Waste Reprocessing -- Department of Energy, 2 years, \$83,399.

(e) Synthesis and Structural Characterization of Cr(III) Complexes Showing Glucose Tolerance Factor Activity -- National Institutes of Health, 3 years, \$63,153.

(f) Contributed a proposal to the Department NSF Instrumental Proposal for the Purchase of a Fourier Transform Infra-red Spectrophotometer System.

(e) GUIDO H. DAUB

(1) Synthesis and Study of ¹³C-Labelled Benzo[a]pyrenes, supported by a Grant from the National Cancer Institute of HEW in the amount of \$87,000 (including overhead). Grant will end on 12/31/80. Continuation request will be submitted by 2/1/80. Synthesis of Some trans-Diarylethylenes as UV Laser Dyes. Synthesis of Cyclopentapyrene.

(f) LORRAINE DECK

(1) I am doing laboratory research on synthesis of some substituted benzo[a]pyrenes, under the direction of Guido H. Daub.

(g) RICHARD W. HOLDER

(1) "Sigmatropic Rearrangements," Petroleum Research Fund, American Chemical Society, \$30,000, two years.

(h) ULRICH HOLLSTEIN

(1) Synthesis of actinomycin analogs; Preferred intercalation sites of the Ethidium bromide-DNA complex; Binding of low molecular antibiotics and toxins to polypeptides (LASL, \$17,000, Feb-Dec 1979); Investigation of Lithospermic acid, an anti-fertility agent (in cooperation with Ob/Gyn, School of Medicine).

(i) THOMAS E. JONES

(1) Structural Effects in Ligand Substitution Reactions Supported by Research Corporation, \$7185, May 1979.

(2) Macrocyclic Ligand Coordination Chemistry, Proposals pending at the Petroleum Research Fund, ACS, and National Science Foundation.

(j) MILTON KAHN

(1) A paper entitled "A Procedure for the Preparation of Chloride-Free Solutions of Carrier-Free Germanium-68" by S. Mirzadeh, M. Kahn, CNC-11 & UNM, P. Grant, H. O'Brien, Jr., CNC-11, has been submitted to Radiochemical & Radioanalytical Ltrs.

(2) The Kinetics of the Exchange of Iodine between Potassium Iodide and O-Iodohippuric Acid in Aqueous Solutions is in progress at Los Alamos (with P. M. Wanek, P. M. Grant, A. E. Ogard, R. E. Whipple and H. O'Brien, Jr).

(k) WILLIAM M. LITCHMAN

- (1) Tautomerism in nitrogen heterocycles - using C-13 NMR.
- (2) Metabolism of glucose and glucose-6-phosphate
- (3) Structure and dynamics of metyrapone.

(l) MIRIAM MALM

(1) A textbook titled "Fundamentals of Organic and Biochemistry" was completed and will be published by D. Van Nostrand Company, New York City, early February, 1980. An Instructor's Manual will accompany the text.

(m) DONALD R. McLAUGHLIN

- (1) ab initio potential energy surfaces of H_3^+ completed.
- (2) Predicted stability of HeH_3^+ , submitted to J. Chem Phys.
- (3) VBRT - a fortran program for variational solution of the internal motion Hamiltonian of tri- and tetra-atomic molecules written.
- (4) Variational treatment of the vibrational motion of ammonia, work in progress.
- (5) 1Bu states of H_2 , work in progress.

(n) CARY J. MORROW

- (1) Continued research on "Gas Chromatographic Resolution of Enantiomers," NIH, \$24,721 + IDC, 3rd year of three year grant.
- (2) Initiated research on "Synthesis of Cholesterol Biosynthesis Inhibitors," NIH, \$24,599 - IDC, first year of three year grant.
- (3) Initiated research of "Synthetic Analogs of Compactin," NIH (MBS Program) \$9,200. second year of three year grant.
- (4) Undergraduate Research Participation, Project Director, summer training program for undergraduates, NSF, \$15,223.

(o) THOMAS M. NIEMCZYK

- (1) "A Proposal to Assess the Problems of Water Supply Contamination Due to Underground Coal Gasification", Water Resources Research Institute, U. S. Dept. of Interior, \$58,200.00, October 1, 1978-February 15, 1980.

- b. EPA
\$25,000 10/1/78-9/30/79
\$50,000 10/1/79-9/30/80
- c. Water Resources Research Institute
\$34,056 10/1/78-9/30/79

(4) Short Course on In Situ Energy Recovery Technology, sponsored by DOE, \$20,000; August 9-10, 1979, Albuquerque.

(5) Energy transfer from singlet oxygen; student supported by AFWL, Kirtland, AFB.

6. Activities in learned and professional societies:

(a) FRITZ S. ALLEN

(1) Invited Seminar at Max Planck Institute for Biochemistry, Munich, Germany, April 20, 1978 entitled "First Neighbor Specificity in the Binding of Steffimycin B to DNA".

(2) A Solution and Solid Structural Comparison by Electric Dichroism, F. S. Allen and D. Priore, 23rd Annual Meeting of Biophysical Society, Atlanta, GA, February 1979.

(3) Invited Seminar at the University of Texas at Dallas on March 1, 1979 entitled "Solution Electric Dichroism as a Structural Probe in Macromolecular Chemistry".

(4) Solution Electric Dichroism as a Structural Probe in Macromolecular Chemistry, F. S. Allen, Symposium speaker, ACS-CSJ Chemical Congress, Honolulu, HI, April 1979.

(b) CHARLES F. CAMPANA

Papers Presented:

(1) "Palladium Thiaether Complexes: The Structure of a (1,4,8,11-Tetrathiacyclotetradecane) Palladium(II) Perchlorate Complex," National ACS Meeting, Washington, DC, September 1979. Coauthors: T. E. Jones and S. Roberts.

(2) "X-Ray Crystallographic Analysis of the cis- and trans-Isomers of Dichlorobis(2-methyl-1,3-propanediamine) Cobalt(III) Chloride," National ACS Meeting, Washington, DC, September 1979. Coauthors: D. Mather, R. B. Ortega, and R. E. Tapscott.

(3) "Synthesis and Characterization of New Diazadiphosphetidine Complexes," Southwest Regional ACS Meeting, Austin, TX, December 1979. Coauthors: J. Jessup, D. Byers, and R. T. Paine.

(4) "Synthesis, Characterization and Molecular Structure of an Aluminum Pentamethylcyclopentadienyl Complex: An Organometallic Analogue of Benzvalene," Southwest Regional ACS Meeting, Austin, TX, December 1979. Coauthors: P. R. Schonberg and R. T. Paine.

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(c) WILLIAM F. COLEMAN

Meetings Attended

(1) American Chemical Society 177th National Meeting, Honolulu, HI, March 30-April 7, 1979.

(2) 21st Industrial Affiliates Symposium Stanford University, June 19-22, 1979.

(3) American Chemical Society 178th National Meeting, Washington D. C., September 7-14, 1979.

(4) American Chemical Society 35th Southwest Regional Meeting, Austin, Tx, December 5-7, 1979.

Offices Held

(1) Member of Program Committee of Division of Chemical Education -- elected Program Chairman for 1981-82.

(2) President UNM Chapter Phi Kappa Phi.

Papers Read

(1) Electronic Structures of Cu(II) and Pd(II) Macrocycles -- meeting a. above.

(2) Relaxation of Charge Transfer States of Cr(III) Complexes -- meeting a. above.

(3) Transient Photocurrent Spectroscopy -- A New Technique for the Study of Photochemical Reactions in Solution -- meeting c. above.

(4) Relaxation of Highly Excited Vibrational levels of HF/DF -- meeting d. above.

(5) Transient Photocurrents in MnO_4^- -- meeting d. above.

(6) Electronic and Structural Properties of Palladium Tetrathiaether Complexes -- meeting d. above.

(7) Charge Transfer Photochemistry of the Thodochromium(III) Ion -- meeting d. above.

(d) GUIDO H. DAUB

(1) Presented a paper entitled " ^{13}C -Labelled Benzo[a]pyrene and Derivatives. Efficient Pathways to Labelling the 1-, 2-, 3-, and 6-Positions: at the ACS/CSJ Chemical Congress held in Honolulu, Hawaii, April 5, 1979.

(2) Attended the C. S. Marvel Symposium on Natural Product Synthesis at Tucson, Arizona, March, 1979.

(3) Attended the National Organic Chemistry Symposium held in Tucson, Arizona, June, 1979.

(4) Coauthor of a paper entitled "Fluorescence and Electrogenerated Chemiluminescence of 5,6,11,12-Tetrahydrochrysene Derivatives" which was presented at the National Meeting of the American Chemical Society at Washington, D. C., September, 1979, with Michael J. Kelly, Su-Moon Park (presented paper), and Terry A. Lyle.

(e) RICHARD W. HOLDER

- (1) President, Phi Beta Kappa, Alpha of New Mexico
- (2) Advisor, Central New Mexico Section, American Chemical Society

(f) ULRICH HOLLSTEIN

- (1) Attended ACS/CSJ Chemical Congress, Honolulu, April 1979, read paper: CD Studies on the preferred binding sites of the bis-intercalating echinomycin-DNA complex.
- (2) Attended 26th National Organic Chemistry Symposium of the A.C.S., Tucson, AZ, June 1979.

(g) THOMAS E. JONES

- (1) Attended Society of Western Analytical Chemists Conference, Jan 18-20, Santa Barbara, CA.
- (2) Attended 178th Meeting of the American Chem. Soc., Sept. 9-14, Washington, D.C.

(h) MILTON KAHN

- (1) Member of Sigma Xi, Phi Kappa Phi, American Chemical Society, AAAS (Fellow), New Mexico Academy of Science.

(i) MIRIAM MALM

- (1) Member of the International Society of Heterocyclic Chemistry, and American Chemical Society.

(j) DONALD R. McLAUGHLIN

- (1) Attended Gordon Research Conference on the Chemistry and Physics of Isotopes, Feb 5-9, 1979, Santa Barbara, CA.
- (2) Presented poster paper - Theoretical Prediction for Collisional Predissociation: $\text{He}^+ + \text{H}_2 \rightarrow \text{He} + \text{H}^+ + \text{H}$.

(k) CARY J. MORROW

- (1) Attended two meetings of Central New Mexico Section, American Chemical Society, Elected Advisor to the Section for 1980.

(l) THOMAS M. NIEMCZYK

- (1) Councilor, Central New Mexico Section of American Chemical Society.

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(2) Congressional Science Councilor for the New Mexico Delegation -- American Chemical Society.

(3) Attended American Chemical Society Council Meeting, Washington, D. C. Sep. 1979.

(4) "Interferences in Graphite Furnace Atomic Absorption Spectroscopy," 1979, Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Cleveland, OH, 3/6/79.

(5) "The Effect of Fill Gas Type Upon the Fundamental Nature of the Hollow Cathode Discharge:", 1979 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Cleveland, OH, 3/6/79.

(6) "A Variable-Wavelength Schlieren Study of Anomalous Electrical Discharges," Great Lakes Regional ACS Meeting, Rockford, IL, June 1979.

(7) "Silicon Determination in Groundwater Samples by Flameless Atomic Absorption Spectroscopy," 21st Rocky Mountain Conference on Analytical Chemistry," Denver, CO, 7/30/79.

(8) "Effect of Underground Coal Gasification on Ground Water Quality: Baseline Characterization of the Gasification Zone," American Chemical Society National Meeting, Washington, D.C., 9/11/79.

(9) "Geochemical Characterization of an Underground Coal Gasification Site in the San Juan Basin," American Chemical Society National Meeting, Washington, D. C., 9/13/79.

(10) "Preburn Characterization of an Underground Coal Gasification Site in the San Juan Basin," Southwest Regional ACS Meeting, Austin, TX, December 1979.

(m) ROBERT T. PAINE

(1) Four papers were presented at two ACS Meetings.

(n) SU-MOON PARK

(1) "Effects of Concentrations on the Electrogenerated Chemiluminescence Intensity of Several Dimethylbenzo[a]pyrenes," The 177th National ACS Meeting, Apr 1-6, Honolulu, HI.

(2) "pH-Dependency of Flat Band Potentials of Semiconductor Materials," The 177th National ACS Meeting, April 1-6, 1979, Honolulu, HI, Co-author: J. R. Wilson

(3) "Electrochemically Activated Binding of Polycyclic Aromatic Hydrocarbons to DNA," The 155th Electrochemical Society Meeting, May 6-11, 1979, Boston, MA, Coauthor: D. A. Tryk.

(4) "Fluorescence and Electrogenerated Chemiluminescence of 5,6,11,12-Tetrahydrochrysene (THC) Derivatives," The 178th ACS National Meeting, Sept 9-14, 1979, Washington D. C., Coauthors: M. J. Kelly, T. A. Lyle, and G. H. Daub

(o) ROBERT E. TAPSCOTT

- (1) Papers presented: with G. L. Robbins, "Oxidation of Coordinated Dihydroxydicarboxylates," Second International Conference on the Mechanisms of Reactions in Solution," Univ. of Kent, Canterbury, England, July 9-13, 1979.
- (2) with D. Mather, R. B. Ortega, C. F. Campana, "X-Ray Crystallographic Analysis of the cis- and trans-Isomers of Dichlorobis-(2-Methyl-1,3-Propanediamine)-Cobalt(III) Chloride," 178th National Meeting of the American Chemical Society, Washington, D. C., September 9-14, 1979.

(p) DAVID L. VANDERJAGT

- (1) Attended FASEB Meeting in Dallas, Texas, April 1-5.
- (2) Attended Meeting on Metal-Enzymes at (University) N.M. State, Las Cruces, January 9-12.

(q) EDWARD A. WALTERS

- (1) "Environmental Impact of Underground Coal Gasification," 3rd Joint Symposium of AIChE, Las Cruces, NM, Jan 19, 1979.
- (2) "Photoionization and Photofragmentation of Acetone and Acetone-d₆ in Molecular Beams," Gordon Research Conference, Santa Barbara, CA, February 5-9, 1979.
- (3) "Kinetic Isotope Effects and Tunneling in the Proton Transfer Reaction between 4-Nitrophenylmethane and Tetramethylguanidine," Gordon Research Conference on the Chemistry and Physics of Isotopes, Santa Barbara, CA, February 5-9, 1979.
- (4) "A Beta Ray-Induced Luminescence Detector (BILD) for Liquid Chromatography," with William H. Rahe, 177th National Meeting, American Chemical Society, Honolulu, HI, April 4, 1979.
- (5) "Molecular Beam Photoionization of CS₂ and (CS₂)₂" with W. M. Trott and N. C. Blais, 177th National Meeting, American Chemical Society, Honolulu, HI, April 2, 1979.
- (6) "Hydrologic and Environmental Factors: San Juan UCC Site," with H. E. Nuttall and T. M. Niemczyk, The Fifth Underground Coal Conversion Symposium, Alexandria, VA, June 20, 1979.
- (7) "Silicon Determination in Groundwater Samples by Flameless Atomic Absorption Spectroscopy with M. J. Kelly, J. P. Ersamer, and T. M. Niemczyk, Rocky Mountain Conference on Analytical Chemistry, Denver, Co., July 30, 1979.

(8) "Groundwater, Hydrology and the Environmental Impact of UCC in the San Juan Basin of New Mexico," with H. E. Nuttall and T. M. Niemczyk, 54th Technical Conference, Society of Professional Engineers, Las Vegas, NV September 23, 1979.

(9) "Geochemical Characterization of an Underground Coal Gasification Site in the San Juan Basin," with G. A. Merrell, T. M. Niemczyk, A. Claassen, J. R. Erspamer, H. C. Na, M. J. Kelly and H. E. Nuttall, 178th National Meeting, American Chemical Society, Washington, D. C. September 11, 1979.

(10) "Effect of Underground Coal Gasification on Groundwater Quality: Baseline Characterization of the Gasification Zone," with G. A. Merrell, T. M. Niemczyk, A. Claassen, J. P. Erspamer, M. J. Kelly, H. C. Na, and J. R. Witcofsky, 178th National Meeting, American Chemical Society, Washington, D. C., September 13, 1979.

(11) "Photoionization of OCS Monomers and Dimers," with N. C. Blais, 178th National Meeting, American Chemical Society, Washington, D. C. September 10, 1979.

(12) "A Survey of Underground Coal Gasification," 4th Annual Short Course on In Situ Energy Recovery Technology, Albuquerque, NM, August 9, 1979.

(13) "Preburn Characterization of an Underground Coal Gasification Site in the San Juan Basin," 35th Southwest Regional Meeting, Austin, Tx, December 6, 1979, with G. A. Merrell, T. M. Niemczyk, A. Claassen, J. R. Witcofsky, J. R. Erspamer, H. C. Na, and M. J. Kelly.

Meetings Attended:

(1) 3rd Joint Symposium of AIChE, Las Cruces, NM, January 19-20, 1979.

(2) Gordon Research Conference on the Chemistry and Physics of Isotopes, Santa Barbara, CA, February 5-9, 1979.

(3) 177th National Meeting, American Chemical Society, Honolulu, HI, April 2-6, 1979.

(4) 4th Annual Short Course on In Situ Energy Recovery Technology, Albuquerque, NM, August 9-10, 1979.

(5) 178th National Meeting, American Chemical Society, Washington, D. C. September 10-14, 1979.

Offices Held:

(1) American Chemical Society, Councilor of the Central New Mexico Section; as Councilor I serve on the National Committee on Divisional Activities.

7. Other professional activities

(a) CHARLES F. CAMPANA

- (1) Consultant -- Sandia Laboratories
- (2) Visiting Scientist -- Los Alamos Scientific Laboratory
- (3) Reviewed papers for Inorganic Chemistry
- (4) Regional Science Fair Judge

(b) ROY D. CATON

- (1) Made seven 55-minute videotapes to be used as teaching aids in Chemistry 121; participated in Basic Skills Program and designed 100 curriculum (with William Litchman)

(c) WILLIAM F. COLEMAN

Seminars Presented at Other Universities

- (1) Wavelength Dependent Phenomena in Transition Metal Photochemistry -- Stanford University, January 15, 1979.
- (2) What Goes Up Must Come Down -- Relaxation of Excited States of Metal Complexes -- SRI International (formerly Stanford Research Institute), March 5, 1979 and IBM, San Jose, March 16, 1979.
- (3) Transient Photocurrent Spectroscopy -- Stanford University, May 7 1979 and University of California, Berkeley, May 11, 1979.

Companies Visited

- (1) Varian Corporation -- ERS Group; Quanta Ray Lasers; Quantel Lasers; UVIRA Optics; Spectra-Physics Laser Division; Molelectron Dye Laser Division; Chromatix Lasers.

Reviewed Papers for

- (1) J. Chem. Phys.; Synthesis and Reactivity in Inorganic Chemistry; J. Luminescence.

Reviewed Proposals for

- (1) SRI International; AFOSR; NSF.

Consultant to

- (1) Kirtland Air Force Base; Sandia Laboratories.

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(d) GUIDO H. DAUB

(1) Visiting Staff Member Part-time Group LS-5, Los Alamos Scientific Laboratory.

(e) RICHARD W. HOLDER

(1) Consultant: Stohler Isotope Chemicals, Boston.

(f) ULRICH HOLLSTEIN

(1) Presented invited colloquium on "Antibiotics intercalating with DNA" at the University of Wichita, Kansas, April 1979; Visiting Staff Member Los Alamos Scientific Laboratory; Reviewed manuscripts for Journal of Organic Chemistry; Submitted proposals to NIH, NIH/MBS, BRSG/SURP and RAC.

(g) THOMAS E. JONES

(1) Judged New Mexico Regional Science Fair

(h) MILTON KAHN

(1) Visiting Staff Member, Los Alamos Scientific Laboratory

(i) DONALD R. McLAUGHLIN

(1) Visiting Staff Member, LASL, June-Aug, 1978

(2) CNC-2 Group Seminar on potential energy surfaces Aug 7, 1978.

(3) Invited Chemistry Department Seminar, UCI, 12 Mar 1979.

(4) UNM Chemistry Department group seminar 9 Oct 1979.

(j) CARY J. MORROW

(1) Referee for Journal of Organic Chemistry, continued efforts to improve science education at local elementary school by presenting demonstrations; served on panel refereeing proposals to the NSF-URP program (Atlanta, October 1979).

(k) THOMAS M. NIEMCZYK

(1) Presentation of colloquium to Dept. of Chemistry, Univ. of Illinois April 20, 1979, Title: "Recent Developments in Nonflame Atomic Absorption Spectroscopy. "

(2) Presentation of seminar at the Upjohn Company, Kalamazoo, MI on May 18, 1979, Title: "Atomic Absorption Spectroscopy".

(1) ROBERT T. PAINE

(1) Consultant Los Alamos Scientific Laboratory

(m) SU-MOON PARK

(1) Reviewed a paper, "Spectroelectrochemistry of Retinal Electrodimerization in the Presence of Proton Donors," For J. Electroanal Chem., May 21, 1979.

(2) Presented a seminar, "Electrochemical Energy Conversion," Department of Chemistry, University of Arizona, Tucson, AZ, Nov 15, 1979.

(n) EDWARD A. WALTERS

(1) Visiting Staff Member, Los Alamos Scientific Laboratory

Other talks:

(1) "Coal," Energy Sources for the Future, Summer Workshop, UNM, July 23, 1979.

(2) "Synthetic Fuels, Energy Sources for the Future, Summer Workshop, UNM, July 30, 1979.

(3) "An Overview of the Energy Crisis," Los Altos Kiwanis Club, March 29, 1979.

(4) "An Overview of the Energy Crisis," Exchange Club, May 30, 1979

Demonstrations presented at Commanche Elementary School, April 17, 1979.

(1) Sample collecting trips to UCG site near Farmington, January 14, February 17, and April 30, 1979.

(2) Reviewed two papers for the Journal of the American Chemical Society, one for In Situ, an outline of a book for Harper & Row Publishers, Inc., and a proposal for the National Science Foundation.

8. Non-teaching University service

(a) FRITZ S. ALLEN

(1) Research Allocation Committee, Health Sciences Advisory Committee

(b) CHARLES F. CAMPANA

(1) Member of University Computer Use Committee

(2) Chairman -- Departmental Computer Use Committee

(3) Advisor, ACS Student Affiliate Chapter

(4) Member of Departmental Graduate Recruitment and Selection Committee.

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(c) ROY D. CATON

(1) Directed Chem 121-122 Program; member of various department committees and University Student Standards Committee; participated in joint APS/UNM workshop (as an invited discussant); participated in student orientation sessions (held at Student Union) in August 1979.

(d) WILLIAM F. COLEMAN

(1) Departmental Committees: Chair -- Undergraduate Career Advisement Affairs Committee.

(2) Member -- Senate Executive Committee, Basic Skills Review Committee, UNM/Albuquerque School Liaison Committee.

(1) Recruiting Activities: Presented UNM Ambassadors Program at Santa Fe, Los Alamos, and the Albuquerque Academy. Gave talks at Rotary Clubs in Santa Fe and Los Alamos and a radio interview in Los Alamos.

(2) Participated in Parents' Day, Senior Day, and Student Leader programs.

(e) GUIDO H. DAUB

(1) Chairman, Department of Chemistry, Member of Arts and Sciences Dean Search Committee, Member (ex-officio) of several Chemistry Department Committees.

(f) RICHARD W. HOLDER

(1) UNM Curricula Committee; A&S Committee on Academic Policy and Curriculum

(g) ULRICH HOLLSTEIN

(1) Member, Research Policy Committee; Member, Subcommittee on Research Administration; Member, Departmental Equipment Committee; Chairman, Departmental Sabbatical Committee; Member A&S Promotion Committee; Chairman, Department Space Committee; Member Department Search (new chairman) Committee

(h) THOMAS E. JONES

(1) University Library Committee

(i) MILTON KAHN

(1) Member of several Departmental Committees

(j) WILLIAM F. LITCHMAN

(1) Faculty Ethics and Advisory Committee (University)

(2) Departmental Committees

(k) MIRIAM MALM

(1) Chairman of Public Relations Committee, Chemistry Department;
Member of Tenure Committee, Chemistry Department

(l) DONALD R. McLAUGHLIN

(1) Ph.D. Committee Member for Fred Gunnerson, Nuclear Engineering
and for Leon Chandler, Mathematics.

(2) Department representative for Senior Day, Nov 3, 1979

(m) CARY J. MORROW

(1) A&S Graduate Committee; Science and Sandia Colloquia Committees;
Chairman of Chemistry Graduate Studies Committee; Advisor.

(n) THOMAS M. NIEMCZYK

(1) Member of the Student Affairs and Extracurricular Activities
Committee.

(o) ROBERT T. PAINE

(1) Assistant Chairman, Chemistry Department

(2) Research Allocation Committee

(o) SU-MOON PARK

(1) Undergraduate Curriculum & Honors Committee (Chairman), Graduate
Selection & Recruitment Committee, and Space Committee of Chemistry Dept.

(p) ROBERT E. TAPSCOTT

(1) Member of 12 committees on Studies (Chairman of 4), Chairman
Search Committee, Sabbatical Committee, Graduate Studies Committee,
Library Committee.

(q) DAVID L. VANDERJAGT

(1) BRSG-SURP Committee (Main Campus)

(r) EDWARD A. WALTERS

(1) Faculty Advisor to four graduate students and one postdoctoral fellow;
dissertation committee of five other graduate students; Graduate Student
Selection and Recruitment Committee (Chairman); Dept. Planning
Committee; Dept. Chairman Search Committee.

9. Public Service

(a) FRITZ S. ALLEN

(1) President Corrales Civic Association

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(b) ROY D. CATON

(1) Councillor for University Heights Neighborhood Association

(c) WILLIAM F. COLEMAN

(1) Member of Advisory Council - Albuquerque Public Schools Career Enrichment Center (CEC)

(2) Present talks on Careers in Chemistry & Lasers in Chemistry at CEC and Manzano High School

(d) WILLIAM M. LITCHMAN

(1) Many

(e) DONALD R. McLAUGHLIN

(1) Scoutmaster, Troup 740

(e) GARY J. MORROW

(1) Sponsor for Bluebirds Troop

(f) DAVID L. VANDERJAGT

(1) Sigma Xi Lecture, NUM/SOM, Nov 28 - Environmental Chemicals: Problems/Challenges.

(f) EDWARD E. WALTERS

(1) Member, St. Lukes Lutheran Church; Member of Board of Lutheran Campus Council of Albuquerque

10. Personal information

(a) GUIDO H. DAUB

(1) Son, Guido William Daub, completed first year as Assistant Professor of Chemistry at Harvey Mudd College, Claremont, California.

(b) MILTON KAHN

(1) wife deceased .

(c) DONALD R. McLAUGHLIN

(1) Bonnie Jean McLaughlin, born 25 September 1978

(d) ROBERT T. PAINE

(1) Daughter born May 20.

(e) EDWARD A. WALTERS

(1) Adoption of Elaine Mee Sun Walters formalized, work begun on her naturalization.

I. Program Achievements

A. The Department Curriculum Committee, co-chaired by Drs. Hood and Butt, continued its review of our course offerings and several changes were made this year. The committee also continued discussion of our comprehensive examination policy and format. Two graduate students participated in curriculum meetings and served as liaison with the student organization. Curriculum changes that have been made this year are as follows:

1. Course changes

- a. Change in title of Course No. 320 from Acoustics to Acoustics and Perception of Speech.
- b. Change in number of course from 438L to 526L.
- c. Change in number of course from 538 to 432.
- d. Change in number of course from 452 to 537.
- e. Change in title of Course No. 426 from Manual Communication to Beginning Sign Language.
- f. Change in title of Course No. 429 from Intermediate Manual Communication to Intermediate Sign Language.
- g. Change in title of Course No. 558 from Field Study to Clinical Field Study.

2. Requests for new courses

- a. 431L: Development of Speech and Language Laboratory
- b. 433: Advanced Sign Language
- c. 437L: Stuttering Laboratory
- d. 525: Seminar in Voice Disorders
- e. 559: Research Field Study

B. We have continued our efforts to upgrade all aspects of the department through several approaches to program evaluation. Included were the following:

1. The entire faculty and student representatives participated in weekly faculty and curriculum meetings.
2. Meetings were held with graduate students to solicit input regarding program needs and possible means of improvement.
3. The student review committee consisting of Drs. Hood, Blanchard and Lamb screened all applicants for the graduate program. Drs. Hood and Blanchard, with assistance from others when needed, reviewed academic and clinical programs and progress of almost all of the graduate students. Attempts were made to identify and correct any weaknesses and to insure that students meet certification requirements of the American Speech and Hearing Association as well as graduate school requirements.

C. Our Field Study Program, through which graduate students are placed for clinical training during their final semester, has continued to grow. Among local field study sites are the V.A. Hospital, the Albuquerque Public Schools, the Rehabilitation Center, Inc. and the New Mexico School for the Deaf. We have also arranged to place students at rehabilitation facilities in Texas and California, the Mailman Child Study Center in Miami, Florida, the University of Colorado in Boulder, Colorado, and the John F. Kennedy Center in Denver, Colorado. Mary Bolton, M.A., Assistant Professor, has continued to coordinate the Field Study Program.

D. This year we continued to strengthen our affiliations with the Albuquerque Public Schools. Among other contacts this year were the following:

1. APS Oral Language Speech and Hearing (OLSH) Coordinators were consulted for input on APS needs and ways we might modify our program so that our graduates will better meet their needs.
2. Communicative Disorders students were assigned to a number of public school settings for practicum experience. Students gained experience in speech and language testing and therapy and in hearing screening.
3. Several faculty members, including Dolores Butt, Richard Hood, Mary Bolton, Sumner Blanchard and Carol Westby consulted with APS personnel in various situations and assisted in in-service training.
4. Phyllis Wilcox, M.A., Instructor, continued the practicum program through which students in sign language gain experience as interpreters for the deaf by working with hearing impaired school children.

E. We have continued cooperative activities with Programs for Children (PFC) this year, working primarily with the Programs for Children Developmental Disabilities Team. Joint activities this year included the following:

1. Communicative Disorders graduate students gained practicum experience with developmentally disabled children under supervision of Dr. Carol Westby and Patti Elledge-Damico.

2. Dr. Westby taught Communicative Disorders 536: Seminar in Language and Learning Disabilities.
3. The special diagnostic playroom in our North Campus Communicative Disorders Unit is used by PFC personnel in evaluating cognitive development in young children, many of whom are provided treatment through our programs. PFC personnel also use the small diagnosis-treatment rooms for evaluating many of their children.

F. Research activities for 1979-80 are summarized below:

1. One of our graduate students, Ruth Dismuke, has obtained a grant from the American Quarter Horse Association to support a research project studying riding as a treatment tool with speech and/or language impaired children. This project is being supervised by Mary Bolton, M.A., and Lloyd Lamb, Ph.D.
2. Several faculty members including Blanchard, Hood, Lamb, Riensche and Wilcox presented papers at scientific meetings. These are listed in the biographical supplement section. A number of other manuscripts have been published or accepted for publication as books or journal articles.
3. Several faculty and staff members are involved in on-going research projects. Drs. Hood, Riensche and Lamb are conducting an investigation of auditory function in healthy elderly persons as part of a large medical research project being conducted at the UNM School of Medicine. An application for grant support for this project is being prepared for submission to one of the National Institutes of Health.

Other faculty members involved in on-going research are Drs.

Butt and Blanchard and Mary Bolton.

- G. Application was made in October, 1978, to the American Boards of Examiners in Speech Pathology and Audiology (ABESPA) for re-accreditation of our master's degree program in speech-language pathology. The application also covered our audiology program although our audiology accreditation extended through 1981. Our department received a site visit by ABESPA representatives in October, 1979, and was granted accreditation for both programs effective April 1, 1980. The site visit report, which has been distributed to the University administration, was praiseful of almost all aspects of the Department except our physical facilities and equipment.
- H. Our graduate enrollment in speech-language pathology and audiology in 1979-80 totaled 39. Sixteen students received master's degrees. Twenty-three new graduate students joined the Department this year, 18 in speech-language pathology and five in audiology.
- I. This year we continued our efforts to recruit minority students for Communicative Disorders. In April, Dr. Riensche attended the Third Annual Health Careers Day at the Laguna Indian Pueblo to talk with prospective students. In May, Drs. Riensche and Lamb spoke to prospective students at the Careers Day sponsored by Afro-American Studies at UNM. We also revised our brochure which will be mailed to prospective students and to other universities and will be distributed at professional meetings.
- J. We have continued our attempts this year to obtain appropriate space for the Department in a single facility in order to unify the programs and eliminate inefficiency. Thus far we have been unsuccessful but we plan to continue trying.

II. Non-University Support

The training grant from the U.S. Office of Education, Bureau of Education for the Handicapped, was funded at \$85,000 for 1979-80, an increase of \$38,000 (81 percent) over last year. The grant includes complete salary support for Judy Williams and Jan Loeppky, clinical supervisors, as well as support for a secretary and partial support for Lloyd Lamb, Professor and Chairman. It also provides stipends for eight graduate students, as well as funds for travel and other project costs. Part of the grant is earmarked as support for the early language intervention program. The new grant became effective June 1, 1979. Next years grant has also been approved at \$85,000.

The New Mexico Elks Cerebral Palsy Commission provides a grant each year to support a graduate student and to cover other expenses of our cerebral palsy service program. This year's grant totaled approximately \$4,000. We also had a small service contract with Programs for Children (\$2,000) to cover hearing test services provided at BCMC. This contract has been increased to \$3,000 for next year.

Partial or total support was provided under various contracts or grants for the following Communicative Disorders personnel:

- A. Lloyd Lamb, Professor and Chairman
- B. Judy Williams, M.A., Clinical Supervisor,
Speech Pathology, (100 percent)
- C. Jan Loeppky, M.A., Clinical Supervisor,
Audiology (100 percent)

III. Faculty Changes

1. Wayne Swisher, Ph.D., has been appointed Associate Professor (part-time permanent) to replace Curtis Weiss who resigned in December, 1979. Swisher will teach courses in speech pathology and speech science on a one-half time basis and will supervise student research.
2. Patti Elledge-Damico, M.A., who joined the faculty in December, 1978, as part-time supervisor in speech-language pathology, will be increased to full-time effective July 1, 1980.
3. Curtis Weiss, Ph.D., who was given a one year terminal appointment for 1979-80, resigned effective December 31, 1979.

IV. Plans for 1980-81

During the coming year we will continue working to improve all existing programs in the department. In addition, we plan to introduce new programs or give new emphasis to certain activities. Among our plans for 1979-80 are the following:

- A. We will continue working toward an on-going continuing education program. We are reviewing proposed continuing education requirements of the American Speech and Hearing Association and plan to seek ASHA approval for our continuing education activities.
- B. We are working toward on-going research programs in basic science and clinical areas. A grant application is being prepared for submission to NIH for support of a project to investigate hearing in the elderly. A number of other research projects also are under way as described above.
- C. We plan to re-apply in September, 1980, for a federal grant to support our early identification - early language intervention program. In the mean time, we will continue development of this program using existing resources and focusing on populations at BCMC and Programs for Children.

- D. We will continue seeking input from outside sources, such as Albuquerque Public Schools personnel, to determine areas of weakness in our students and/or ways in which we might better prepare our students for various employment situations.

V. Composite of Information Requested on Individual Biographical Supplements

A. Sumner L. Blanchard

1. (a) Attended 5th Annual Voice Institute at Baylor College of Medicine, Houston.
4. (a) "The Effects of Temporal Expansion Upon Auditory Comprehension in Aphasic Adults" The British Journal of Disorders of Communication, Vol. 15, No. 2 (September, 1980)
5. (a) "Laryngeal and Vocal Trauma Secondary to Intra-tracheal Intubation" research project in progress.
(b) "Deficiencies in Pre- and Post-Operative Counselling of Laryngectomy Patients" research project in progress.
6. (a) Attended American Speech/Language Hearing Association annual convention.
(b) Presented paper at New Mexico Speech/Language/Hearing Assn. convention.
7. (a) Consultant to Tierra Amarilla School District
8. (a) Coordinator of Clinical Services, Dept. of Communicative Disorders
(b) Faculty advisor

B. Richard B. Hood

4. (a) Book Review. Audiology, by Hayes A. Newby. Englewood, Cliffs, N.J. Prentice-Hall, Inc. 1979. In ASHA, 21, 963-964 (1979).
5. (a) In progress: Writing computer program for advanced hearing testing.
(b) Hearing in healthy senior citizens - a 5-year longitudinal study. With Drs. Lamb & Riensche.

6. (a) Submitted to 1980 convention of the American Speech/Language and Hearing Association as a scientific exhibit: Computerized Audiometric Programmable Simulator (CAPS). With Harry Zimmerman.
- (b) Completed 3-year term on Committee on Aural Rehabilitation
- (c) American Speech/Language & Hearing Association - Member
- (d) Attended American Speech/Language & Hearing Association annual convention.
- (e) Attended N.M. Speech and Hearing Association meeting
7. (a) Albuquerque SERTOMA club - luncheon speech on education of deaf children
- (b) Consultant with Navajo Forest Products Industries on hearing conservation.
8. (a) Senate Ad Hoc Committee on Curriculum Problems of the Handicapped
- (b) Arts and Sciences Promotion Committee
- (c) Chair two department committees
- (d) Faculty advisor

C. Lloyd E. Lamb

6. (a) Attended American Society of Allied Health Professions Institute on Administration of Allied Health Education Programs, St. Louis, April, 1980.
- (b) Attended American Speech-Language and Hearing Association convention, Atlanta, November, 1980.
- (c) Attended meeting of Council of Directors of Graduate Programs in Speech-Language Pathology and Audiology, St. Louis, May, 1980.
7. (a) Site Visitor, American Boards of Examiners in Speech-Language Pathology and Audiology (Education and Training Board)
- (b) Field Reader, Training Grants, Bureau of Education for the Handicapped (U.S.O.E.)
- (c) Participated in "Signs of Christmas" December, 1979 and "Sign Fest," April, 1980, both of which were performed as benefits for the Department of Communicative Disorders.

- (d) Member, Task Force on Certification Requirements, N.M. Educational Standards Commission.
- 8. (a) Chairman, Dept. of Communicative Disorders
- (b) Director of Communicative Disorders Unit
- (c) Co-Director, UNM Hospital Center for ENT and Communication Disorders
- (d) Project Director, BEH Training Grant (\$85,000)

D. Linda L. Riensche

- 4. (a) "Articulatory Effects of Monaural and Binaural Masking in Normal Speaking Adults Wearing Palatal Appliances," Journal of Speech and Hearing Research, in press, 1979.
- (b) "Age and Sex Differences on Preferred Listening Rates for Speech," Journal of Auditory Research, in press, 1979.
- 5. (a) "The Effects of Time Altered Speech Stimuli Upon the Comprehension of Aphasics." Master's thesis by A. Wohlerter under Riensche's direction.
- (b) "Central Auditory Function Within a Juvenile Delinquent Population." Master's thesis by J. Pratt under Riensche's direction.
- (c) "Ear Laterlization for Time Compressed Rhymed Word Sequences: Primary and Recency Effects." Completed master's thesis by J. Patterson currently being prepared for publication.
- (d) "Children's Discriminative and Sequential Performance on Time Compressed Rhyme Sequences." Project by C. Cravens and C. Stahl under Riensche's direction.
- (e) "Ear Laterality Effects for Time Compressed Rhyme Sequences." Riensche and D. Beasley. A manuscript is currently being prepared for publication purposes.
- 6. (a) Paper presented, "Recency and Primary Effects for Time Compressed Rhyme Word Sequences," American Speech, Language, and Hearing Association in November, 1979, Atlanta.
- (b) Paper presented, "Ear Laterality Effects for Time Compressed Rhyme Sequences," American Speech, Language, and Hearing Association in November, 1979, Atlanta.
- (c) Paper presented, "Time Compressed Speech: Diagnostic Information for the Speech Pathologist," New Mexico Speech, Language and Hearing Association in October, 1979, Albuquerque.

8. (a) University Speakers Bureau
- (b) Research Allocations Committee
- (c) University Outreach Programs
- (d) Arts and Sciences Graduate Committee
- (e) Chairperson, Research Committee (Dept. of Communicative Disorders)
- (f) Curriculum Committee (Dept.)
- (g) Recruiting Committee (Dept.)
- (h) Research Field Study Development Committee (Dept.)
- (i) Liaison to the University Library

E. Phyllis Wilcox

2. (a) Minimal Language Skills Workshop, Tucson.
5. (a) Adaptation for use with deaf students - Dr. Douglas Muller's Self Descriptive Inventory.
- (b) Myers-Briggs Type Indicator research. Personality types of sign language students.
6. (a) Secretary, New Mexico Registry of Interpreters for the Deaf. Helped obtain grant of \$7,000 to NMRID in December, 1979.
- (b) Paper presented at Intramural and Recreational Convention in El Paso.
7. (a) "Linguistics of American Sign Language" lecture to DVR personnel in Santa Fe.
- (b) "Use of Interpreters for the Deaf" presentation to Heights Lions Club, Albuquerque.
- (c) N.M.R.I.D. lecture presentation to DVR Ad Hoc Committee
- (d) "Sign Fest" Advanced Sign Language class and Communicative Disorders, Kimo Theatre, Albuquerque.
8. (a) First Student Service Award
- (b) Presidential Recognition Award

9. (a) 1979 Jefferson Award sponsored by KOAT-TV
- (b) Currently working with Representative Brad Cates to submit new bill dealing with teletypewriters/deaf.
- (c) P.L. 369 - Helped write and pass bill which will provide for interpreters in court.

THE REPORT OF THE DEPARTMENT OF ECONOMICS
July 1, 1979 - June 30, 1980
Alfred L. Parker, Chairman

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I. General Departmental Information.

The Department of Economics experienced a significant increase in enrollment during both the fall semester of 1979 and the spring semester of 1980. As indicated in Table 1 enrollment increased 12.6 percent in the spring semester of 1979 over the enrollment in the spring semester of 1978 and enrollment increased 17.0 percent in the fall semester of 1980 over the enrollment in the fall semester of 1979. (The Dean's office indicated an increase of 19.04 percent in the spring semester of 1980. The reason for the discrepancy between the data recorded in Table 1 and that reported by the Dean's office is unclear at this time.) This increase in enrollment was experienced at the lower division, upper division, and graduate level as indicated in Table 1. A further reflection of the growth in enrollment is seen in the number of students who have declared a major in economics. A total of 141 undergraduate majors was reported at the beginning of the spring semester of 1980. A total of 106 majors was reported at the same date last year.

Enrollment in introductory courses (Econ 101, 200, and 201) increased 10.6 percent and 12.0 percent in the fall and spring semesters respectively of the 1979-80 academic year. These courses continue to be taught by senior faculty

2.

Table 1

ECONOMICS DEPARTMENT ENROLLMENT FIGURES (STUDENT ENROLLMENT)

	<u>Fall 1976-77</u>	<u>Fall 1977-78</u>	<u>Fall 1978-79</u>	<u>Fall 1979-80</u>
ECON 100	-	-	-	(1) 63
101	(2)* 241	(2) 269	(2) 228	(2) 196
200	(5) 572	(5) 755	(4) 690	(6) 816
201	(3) 304	(3) 435	(4) 480	(7) 549
Total 100 and 200 level Courses	(10) 1117	(10) 1459	(11) 1412	(16) 1624
ECON 300	(3) 189	(6) 222	(3) 236	(3) 245
303	(2) 86	(2) 81	(3) 90	(4) 109
315	(2) 126	(1) 154	(2) 229	(2) 221
Other 300 ⁺ and 400 level Courses	(17) 289	(19) 331	(21) 365	(18) 405
ECON 500-699	(11) 74	(7) 39	(9) 50	(11) 77
TOTAL	<u>1881</u>	<u>2286</u> (+21.5%)	<u>2382</u> (+4.2%)	<u>2681</u> (+12.6%)
	<u>Spring 1976-77</u>	<u>Spring 1977-78</u>	<u>Spring 1978-79</u>	<u>Spring 1979-80</u>
ECON 100	-	-	-	(1) 53
101	(2) 234	(1) 120	(1) 124	(1) 173
200	(3) 537	(5) 657	(6) 737	(6) 807
201	(5) 435	(5) 419	(6) 490	(5) 492
Total 100 and 200 level Courses***	(10) 1206	(11) 1196	(13) 1351	(15) 1566
ECON 300	(3) 178	(3) 197	(4) 216	(4) 269
303	(2) 64	(4) 115	(3) 95	(3) 89
315	(1) 131	(2) 190	(3) 251	(2) 248
Other 300 ⁺ and 400 level Courses	(17) 322	(14) 282	(19) 359	(20) 483
ECON 500-699**	(13) 88	(9) 49	(9) 64	(11) 78
TOTAL	<u>1990</u>	<u>2030</u> (+2.0%)	<u>2336</u> (+15.1%)	<u>2733</u> (+17.0%)

* Number in () indicates number of sections offered [or planned for Spring 1979-80].

+ Includes 451 and 452 Problems, 497-498 Readings for Honors and 499 Senior Honors Thesis.

** Includes 551 and 552 Problems, 599 Masters Thesis and 699 Dissertation

Percentage figures for Fall Semester indicate increase over preceding Fall Semester.

Percentage figures for Spring Semester indicate increase over preceding Spring Semester.

*** Includes Econ. 203 and Econ. 212 with 6 students and 35 students, respectively.

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who have demonstrated an ability to teach large classes: in addition, laboratory sections of about 25 to 35 each are taught by teaching assistants who work under the direct supervision of the responsible faculty member.

Enrollment in the department's graduate program also increased significantly during the 1979-80 academic year. (See Table 2). This increase was largely the result of the use of release time money to fund additional teaching and project (or research) assistants. Thus the success of a number of members of the department in obtaining sponsored research made it possible for us to provide financial support for twenty (20) graduate students. Only seven (7) of these students were supported by funds provided in the regular department budget. It should be noted that the department requires a minimum of thirteen (13) teaching assistants to cover the labs for introductory level economics courses.

The rising enrollments in both the undergraduate and graduate programs, together with the uncertainties associated with the funding of sponsored research projects has resulted in a serious conflict within the program. The conflict is between using funds available from release time to provide financial support for graduate students and using those same funds to provide faculty (visiting faculty) required if we are to avoid

Table 2

GRADUATE STUDENT
ENROLLMENT

<u>FALL</u>	<u>ENROLLMENT</u>	<u>SPRING</u>	<u>ENROLLMENT</u>
1974	50	1975	51
1975	62	1976	59
1976	49	1977	42
1977	35	1978	37
1978	37	1979	41
1979	50	1980	51

cancelling badly needed undergraduate courses. A satisfactory solution to this conflict is important to the maintenance of a quality undergraduate and graduate program.

No changes were made in the department faculty during the 1979-80 academic year. An effort was made to recruit a new Ph.D. with a specialty in macro-economic theory. Offers were made to three strong candidates (at Northwestern, Vanderbilt and Purdue), but in each case the offer was refused.

A joint resolution concerning the New Mexico Business has been passed by the faculty of the Department of Economics and the Anderson Schools of Management and approved by appropriate administrative officers. The resolution calls for the creation of the New Mexico Review of Business and Economics as a successor publication to the New Mexico Business. The new publication will be co-edited by Professor Roger Norton of the Department of Economics and Professor William Peters of the Anderson Schools of Management. Student co-editors will be appointed at a later date. The Economics Department believes this is a unique opportunity and an important challenge to be involved in the development of this publication. We believe that it will provide our graduate students with an opportunity and an incentive to develop their writing skills while preparing papers dealing

with important state and regional issues.

A second new program initiated by the Department of Economics with the cooperation of Mountain States Telephone and Telegraph Company, provides an opportunity for economics graduate students to obtain practical on the job experience in the public utility industry. The first student to go to work under this Mountain Bell Intern Program is Ms. Elvira Aragon. Ms. Aragon will spend the summer working in the Mountain Bell Rate Division on a special project while enrolled in a problems course in the Department of Economics. We hope that this project will continue with one or two graduate students participating each academic year.

A significant remodeling project was approved and the work initiated during the spring semester of the 1979-80 academic year. This project involves remodeling work on both floors of the Economics - Sociology building at 1915 Roma N.E. Upon completion of this work it will be possible to house all of the economics faculty in one building, 1915 Roma N.E. For the past several years it has been necessary to house Economics Department personnel in three different buildings (1915 Roma N.E., 1816 Las Lomas N.E., and Onate Hall). In addition to new office space being made available, the remodeling will result in the construction of a new joint use Economics - Sociology statistics lab. It is to be

emphasized that the remodeling currently under way is designed to make more efficient use of available space in the building, it does not obviate the need for the planned expansion to 1915 Roma N.E. Both the Economics and Sociology Departments feel that the existing structure will not meet the future needs of their expanding programs.

Members of the Department continue to be active in research, publication and related professional activity. More than 50 articles and reports have been published during 1979: these include articles in fields of natural resources, public finance, economics of the environment, laws and economics, industrial organization and economic theory. Fourteen papers were presented at professional meetings and two books were published (or submitted for publication) during 1979. The amount of sponsored research remained at a high level as summarized in Table 3. A total of 18 projects provided more than \$573,492 in financial support for research during the 1979-80 academic year. Finally, department members continue to be involved in local affairs through appearances on TV and presentations and discussions at local meetings.

TABLE 3

B.

Funded Research
Department of Economics
1979-80

Principal Investigator	Project Title	Grant Amount*
Shaul Ben-David	Methods Development for Assessing Trade-offs in Environmental Management	\$190,277
" "	Assessment of Environmental Damage from <u>in situ</u> Processing of Fossil Fuel	16,518
" "	Contract Assistance to LASL on Passive Solar Economics	21,000
" "	High Plains Regional Study-COM	59,640
" "	Economic & Environmental Policy Analysis of Hazardous Materials	32,520
" "	Valuing Visibility Benefits in National Parklands	28,895
" "	Methods Development for Assessing the Value of Hazards Information	32,669
" "	Passive Solar Economics and Market Analysis	36,950
S. Ben-David, L. Brown, R. Lievano & J. Holmlund	Energy Management System - Phase II	103,868
Gerald Boyle	Finance - Governor's Council of Economic Advisors	7,500
" "	Medicaid Study	19,000
H. S. Burness	Water Management Strategies in Arid Regions	143,428
R. G. Cummings and H. S. Burness	Conceptual & Applied Issues Relevant for Economic Analyses of Geothermal Energy	114,860
R. G. Cummings, H.S. Burness, and R. Norton	Critical Review of D.O.E. Environmental Impact Study for the Proposed WIPP	29,496
R. G. Cummings, H.S. Burness, and R. Norton	Disposal Facilities for Nuclear Waste in New Mexico: An Analysis of Socio-Economic Issues - WIPP	368,532
Albert Church	The Economic Effects of Nominal and Effective State and Federal Tax Structures on Exploitation of Non-Renewable Resources	124,400
Alfred L. Parker	Energy Development and High Quality Recreation in the West	20,000
" "	Liquor License Study	21,999
		\$1,371,552

* Amounts shown are for entire grant period;
1979-80 fiscal year amount: \$573,492

II. Composite of information requested on individual biographical supplements.

1. Advanced study.

None

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

Boyle, Gerald	Sabbatical, spring semester 1980
Jonas, Paul	Sabbatical, spring semester 1980
Johnson, Ron	Leave of absence, spring semester 1980
Gregory, Peter	Travel to Brazil (Oct. 1979) and Mexico (Summer, 1979)

3. New scholastic honors, fellowships, etc.

Jonas, Paul	Fullbright-Hays Award to lecture and do research in Senegal.
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4. Publications during the period.

Ben-David, Shaul, Professor

"Trombe Walls and Direct Gain: Patterns of Nationwide Applicability," in Proceedings for The Third National Passive Solar Energy Conference, San Jose, California, pp. 199-206, January 11-13, 1979 and Los Alamos Scientific Laboratory, Los Alamos, New Mexico, Report #LA-UR-79-239, 8 pages (with Scott A. Noll; J. Fred Roach).

Methods Development for Assessing Air Pollution Control Benefits. Volume V; Executive Summary, USEPA Grant #R805059010, U.S. Environmental Protection Agency, Washington, D.C. 20460, EPA-600/5-79-001e, 25 pages, February 1979 (with David S. Brookshire; Thomas D. Crocker; Ralph d'Arge; Allen V. Kneese; and William D. Schulze).

"Impact of the National Energy Plan on Solar Economics," Alternative Energy Sources An International Compendium, Proceedings of the Miami International Conference on Alternative Energy Sources Clean Air Energy Institute, Miami, Florida, Vol. 3 Solar Energy 3, Edited by T. N. Veziroglu, 1979 (with J. F. Roach; S. Noll; W. D. Schulze).

4. Publication (continued)

Ben-David, Shaul, Professor

"Study of the Ethical Foundations of Benefit-Cost Analysis Techniques," The University of New Mexico, Department of Economics, Resource Economics Program, working paper, 137 pages, August 1979 (with Allen V. Kneese; William D. Schulze).

"Passive and Active Residential Solar Heating: A Comparative Economic Analysis of Select Designs," invited paper to Energy: The International Journal, forthcoming Fall 1979 (with Fred Roach; Scott Noll).

"The Economic Feasibility of Dual Purpose Nuclear Desalination of Groundwater," Water Resources Bulletin, 13 pages, December 1979 (with Robert R. Lansford; Fred Roach; Bobby J. Creel; Thomas H. Stevens; Raymond J. Supalla; Lynn Gelhar; William D. Gorman; Richard W. Mead; Donald B. Wilson).

Boyle, Gerald, Professor

"Tax Alternatives for the Navajos", Economic Development in American Indian Reservations, UNM Press, 1979.

Taxation of Uranium in New Mexico and Revenue Estimates to 2000, U.S. Department of Interior.

Burness, H. Stuart, Associate Professor

"Geothermal Energy Resources; Technology & Economics Relevant for Other Systems", Journal of IAEE.

"Water Law, Water Transfer & Economic Efficiency: The Colorado River," Journal of Law & Economics.

"Thermodynamic & Economic Concepts as Related to Resource-Use Policies," Land Economics, Spring, 1980.

"The Turnkey Era in Nuclear Power," California Institute of Technology, Social Science Working Paper #175 (Revised) (with D. Montgomery and J. Quirk), Land Economics, May, 1980.

"The Valuation of Public Goods: The Case of Municipal Infrastructure" to appear in Proceedings of the Fourth U.S.-U.S.S.R. Joint Symposium on Comprehensive Evaluation of the Environment.

4. Publication (continued)

Burness, H. Stuart, Professor

"Meeting Energy Needs: Additions to Capacity" to appear in Proceedings of Cal Tech--JPL Conference on Coal Models and Long Run Projections.

"Capital Contracting and the Regulated Firms," to appear in the American Economic Review (with J. Quirk and D. Montgomery), Spring, 1980.

Chung, Pham, Professor

"On Inflation", N.M. Business, Vol. 32, No. 5, June 1979, pp.3-16.

"On the Estimation of Technical Progress and the Production Function", Journal of Economics, Vol. V, Proceedings, MVEA Conference, 1979, pp.122-126.

"On an Economic Interpretation of the Electrical Energy Tax Act of 1975", Natural Resources Journal, forthcoming.

Church, Albert M., Associate Professor

"Taxation of Electricity Generation", Natural Resources Journal, forthcoming.

"The Property Tax in New Mexico and California", New Mexico Business, (September 1979).

"The Short-Run Supply Curve for the Domestic Copper Industry", AIChE Proceeding, 1-6, 1979.

"State Taxation of Coal-Revealed Preferences of Economic Development versus Tax Exploitation of a Natural Resource", Western Tax Association Proceeding, 1979.

Cohen, Sanford, Professor

Labor in the U.S. (5th Ed.) Chas. E. Merrill, 1979, 481 pp.

"Does Public Employee Unionism Diminish Democracy"? IND & Labor Rel. Rev. Jan. 1979, pp. 189-195.

4. Publication (continued)

Cummings, Ronald, Professor

(1) "Entropy and the Theory of Exhaustible Resources" (with H. Burness, G. Morris, and I. Paik), Land Economics, forthcoming, November, 1979.

(2) "Does Conservation of Mass-Energy Matter for Economic Growth?" (with W. Schulze), forthcoming in Journal of Environmental Economics and Management, 1980.

(3) "Economic Analyses at Early Stages of Technology Development" (with W. D. Schulze), Resources and Energy, forthcoming, 1979.

(4) "Renewable Resources and the Conservation of Mass-Energy," (with W. Schulze), forthcoming in the Journal of Environmental Economics and Management, 1980.

(5) "Is The MER A Useful Concept?" also, "The Thermodynamic Approach to Production Regulation of Oil and Gas Reservoirs: Comment," in Proceedings of the "Conference on the MER for Petroleum Reservoirs in the OCS," sponsored by the U.S. Department of the Interior and the University of Houston, Houston, January 29, 1979.

(6) "Geothermal Energy Resources: Technology and Economics Relevant for New Systems", (with Burness, Morris and Schulze), Proceedings of the 1979 Meetings of the International Energy Economists Association in The Energy Journal, 1979.

(7) "Investments for Municipal Infrastructure in Energy-Impacted Communities", (with C. Arundale), Proceedings of the Conference on Coal Models and Their Use in Government Planning, (Carnell, CA, July 16-17, 1979), published by the Jet Propulsion Laboratory and the California Institute of Technology, 1979.

(8) "An Optimization Model for Electricity Production From Hot Dry Rock Geo-Resources", (with G. Morris), Proceedings of the 50th National Meetings of the Operations Research Society of America, New Orleans, May 1-3, 1979.

(9) "The Valuation of Public Goods: The Case of Municipal Infrastructure" (with H. S. Burness), Proceedings of the 4th U. S. - U. S. S. R. Symposium on Comprehensive Analysis of the Environment, sponsored jointly by the U. S. Department of State and the EPA, Jackson, Wyoming, October 21-27.

4. Publication (continued)

Gisser, Micha, Professor

Water: Agriculture vs. Energy Development in the Four Corners Area, Co-authors, R.R. Lansford, W.D. Gorman, B.J. Creel, and Y. Wolf. Los Alamos Scientific Laboratory, LA-7643-MS, March, 1979.

"Water Trade-Off Between Electric Energy and Agriculture in the Four Corners Area", Co-authors, R.R. Lansford, W.D. Gorman, B.J. Creel and M. Evans, Water Resources Research, June, 1979.

A Note on Inflation and Concentration", Co-author, R.N. Johnson, Journal of Political Economy, December, 1979.

Gregory, Peter, Professor

"An Assessment of Changes in Employment Conditions in LDC's," accepted for publication in Economic Development and Cultural Change.

"La Política de Salarios," Chapter 2 in Salarios, Precios y Empleo en Coyunturas de Crisis Externa, Costa Rica 1973-75 (Santiago: International Labour Office, PREALC, 1979).

Hamilton, David, Professor

"The Macroeconomic Aspect of the Undocumented Mexican Worker: Blaming the Victim", in THE PROBLEM OF THE UNDOCUMENTED WORKER, edited by Robert Landman and published by the Latin American Institute, UNM for the Community Services Administration, Washington.

Johnson, Ronald N., Assistant Professor

"Oral Auction versus Sealed Bids -- An Empirical Investigation" Natural Resources Journal, April 1979.

"Welfare Analysis of Long-Term Forest Price Stabilization: Note" with R.G. Cummings, American Journal of Agricultural Economics, vol. 60. No. 4, Nov. 1978. p.659-660.

"Property Rights Nineteenth Century Federal Timber Policy, and the conservation movement" with G. Libecap, Journal of Economic History, March 1979.

The Navajo and too Many Sheep: Persistent Overgrazing on

4. Publication (continued)

Johnson, Ronald N., Assistant Professor

the Navajo Reservation" with Gary D. Libecap, Paper accepted for publication in Environmental Costs of Bureaucratic Government, to be published by New York University Press.

Jonas, Paul, Professor

"Autarchy or Integration - The USSR and the World Economy" in Soviet Economy in a New Perspective, A Compendium of Papers submitted to the Joint Economic Committee, Congress of the U.S., October 14, 1979. U.S. Government Printing Office, Washington, D.C. 1979.

Norton, Roger, Professor

"A Multi-sectoral Model with Endogenous Terminal Conditions." Journal of Development Economics, vol. 6, No. 2, June, 1979, pp. 237-260. (Co-authored with Richard Inman and Yoon Hyung Kim).

Parker, Alfred L., Professor

"Evaluation of the New Mexico Public Utility Rate Indexing Experiment", Public Utility Rate Making in an Energy-Conscious Environment. Westview Special Studies in Natural Resources and Energy Management, Werner Sichel, editor, Westview Press, 1979, pp. 97-114.

"The Impact of Energy Development on Fish and Wildlife", Co-author Jim Gosz, Professor Biology, UNM, 228 page manuscript currently under review by the U.S. Fish and Wildlife Service.

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

Ben-David, Shaul, Professor

1976 - 1979: Co-Principal Investigator, NSF, "The Future of Non-Ferrous Mining", \$170,335.

1978 - 1979: Principal Investigator, EPA, "Methods Development for Assessing Tradeoffs in Environmental Management", \$25,000

5. Other research projects (continued)

Ben-David, Shaul, Professor

- 1977 - 1979: Co-Principal Investigator, NSF, "The Ethical & Value Foundation of Benefit Cost Analysis", \$50,000
- 1978 - 1979: Co-Principal Investigator, NHEMD, "Energy Management System", \$77,693.
- 1978 - 1979: Principal Investigator, LASL, "The Economic Performance of Selected Passive Solar Concepts", \$21,854.
- 1978 - 1979: Principal Investigator, LASL, "Assessment of Environmental Damage from in situ Processing of Fossil Fuel", \$16,518.
- 1978 - 1979: Principal Investigator, LASL, "Contract Assistance to LASL on Passive Solar Economics", \$21,000.
- 1979 - 1980: Principal Investigator, LASL, "Passive Solar Economic and Market Analysis", \$33,122.
- 1979 - 1981: Co-Principal Investigator, WRII "High Plains Regional Study - CDM", \$59,640.
- 1979 - 1980: Co-Principal Investigator, RFF, "Hazardous Materials", \$32,500.
- 1979 - 1980: Co-Principal Investigator, EPA, "Valuing Visability Benefits in the National Parklands", \$28,895.
- 1979 - 1980: Co-Principal Investigator, USGS, "Methods Development for Annualizing Value of Hazards Information", \$32,669.
- 1979 - 1981: Co-Principal Investigator, NHEMD, "Energy Management System", \$103,868.

Boyle, Gerald, Professor

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| 7/1/77-6/30/78 | Public Finance Research Program (1 research assistant) | \$13,000 |
| 7/1/78-6/30/79 | N.M. Bureau of Revenue (1 research assistant) | \$23,000 |
| 7/1/79-6/30/80 | Council of Economic Advisors (1 research assistant) | \$ 7,500 |

5. Other research projects (continued)

Boyle, Gerald, Professor

10/1/79-9/30/80	N.M. Human Services Department (1 research assistant)	\$19,000
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Burness, H. Stuart, Associate Professor

"Capital Gains and the Theory of Asset Pricing," under review by American Economic Review.

"Water Rights and Optimal Reservoir Management," California Institute of Technology, Social Science Working Paper #165, under review by Econometrica.

"U.S. Reclamation Policy and Indian Water Rights," under review by Natural Resource Journal.

"Scale Economics and Reliability in the Electric Power Industry," under review by Management Science.

"Additive Utility Functions: An Analysis Representation Theorem," under review by Metroeconomica.

"Democratic Exploitation of a Non-Renewable Resource," under review by Journal of Public Economics.

NSF Grant for \$143,000-- Water Management Strategies in Arid Regions.

Chung, Pham, Professor

"A Note on the Constancy of Factor Shares and a Steady State Behavior" under review.

"The Attitude of Taxpayers Toward Taxes in Recent Elections: A Diagrammatic Exposition," under review.

"The Constancy of Factor Shares and the Cobb-Douglas Production Function: A Reconsideration," under review.

"An Explanation of the Constancy of Factor Shares in West Germany," in progress.

5. Other research projects (continued)

Church, Albert M., Associate Professor

NSF Grant, "The Economic Effects of Nominal and Effect State and Federal Tax Structures on the Exploitation in Non-Renewable Resources", \$124,000.

Cummings, Ronald, Professor

U.S. Department of Energy, "Analysis of HDR Geothermal Resources, \$115,000.

U.S. Department of Energy, "Socio-economic Analysis of the WIPP", \$387,000.

NSF, "Water Management in the Colorado River Basin", \$110,000.

Los Alamos Scientific Laboratory, "Extension of HDR Geothermal Analysis", \$10,000.

- (i) "The Role of Dynamic Optimization Models for Natural Resource Systems: A Case Study of HDR Geothermal Resources" (with G. Morris and I. Paik), under review with Management Science, 1979.
- (ii) "Scale Economics and Reliability in the Electric Power Industry", (with H. S. Furness and V. Loose), under review with Management Science, 1979.
- (iii) "U. S. Reclamation Policy and Indian Water Rights". (with Burness, et.al.), under review with National Resources Journal, 1979.
- (iv) "Environmental Trade-Offs with the Adoption of Cogeneration Technologies, (with Burness and Paik), under review with the Journal of Environmental Economics and Management, 1979.
- (i) "The Formulation and Implementation of U.S. Reclamation Policy," (with H. S. Burness, W. Gorman and R. Lansford), Research Report to the Bureau of Indian Affairs and the U.S. Attorney General's Office, June, 1979, 66 pp.
- (ii) "Damage Estimates for Suspended Particulate Air Pollution," (with R. S. Burness), report prepared for the U.S. Environmental Protection Agency, September, 1979.

5. Other research projects (continued)

Cummings, Ronald, Professor

- (iii) "Power Produced from Hot Dry Rock Geothermal Resources: A Case Study for the Imperial Valley," (with G. Morris), report to the U.S. Department of Energy, December, 1979, 40 pp.
- (iv) "A Socio-economic Analysis of the Proposed Waste Isolation Pilot Project: A Technical Progress Report," report to the U.S. Department of Energy, November 12, 1979., 64 pp.
- (v) "Economic Factors Relevant for Electric Power Produced from Hot Dry Rock Geothermal Resources: A Case Study for the Fenton Hill, New Mexico Area," (with C. Morris), report to the U.S. Department of Energy, December, 1979, 35 pp.

Gregory, Peter, Professor

"Legal Minimum Wages as an Instrument of Social Policy in Less Developed Countries, with Special Reference to Costa Rica," presented at the American Enterprise Institute for Public Policy Research Conference on Legal Minimum Wages, Nov. 1-2, 1979; this paper will be published in a volume containing the papers presented at the Conference.

"Employment, Unemployment and Underemployment in Latin America," paper prepared for the organization of American States for a volume on labour markets in Latin America.

Current research on the evolution of the labor market in Mexico. Sponsored by the World Bank, June, 1979 - Sept. 1980.

Hamilton, David, Professor

Reviewing THE WORLD OF GOODS by Mary Douglas (for 1980) SOCIAL SCIENCE JOURNAL.

Doing article on the place of the economics of C.E. Ayres for the AMERICAN JOURNAL OF ECONOMICS AND SOCIOLOGY (This is an article solicited from me in 1979).

5. Other research projects (continued)

Johnson, Ronald N., Assistant Professor

1. "American Indian Relative Ranchers Efficiency: A Comment" with G.D. Libecap, submitted to American Economic Review.
2. "A Note on Inflation and Concentration" with M. Gisser, submitted to the Journal of Political Economy.
3. "Legislating Commons" The Navajo Tribal Council and the Navajo Range" with G.D. Libecap, submitted to Economic Inquiry.
4. "Auction Markets, Bid Preparation Costs and Entrance Fees" Revised version submitted to Land Economics.
5. "Property Rights and the Rapid Depletion of The American Forests" with G.D. Libecap, submitted to Journal of Law and Economics.
6. "An Empirical Analysis of Legal and Economic Impediments to Water Rights Transfer in the State of New Mexico", A proposal submitted to N.M. Water Resources Research Institute with M. Gisser and A. Utton.

Jonas, Paul, Professor

Seminar in Native American Indian Economic Development (with Native American Studies)

Progress: "Developments in Soviet-Eastern European Terms of trade from 1970.

Parker, Alfred L., Professor

"Energy Development and High Quality Recreation in the West". Sept. 1978-Sept. 1979, sponsored by LASL (\$20,000)

Tailby, Donald G., Associate Professor

Consultant - General Atomic Company. Labor availability in the Grants Mineral Belt.

6. Activities in learned and professional societies.

Ben-David, Shaul, Professor

1979 Silver Jubilee International Congress of the International Solar Energy Society in joint meeting with The American Section of the International Solar Energy Society, Inc., Atlanta, Georgia, May 28 - May 1, 1979. Three papers were presented.

4th National Passive Solar Conference, Kansas City, Missouri, October 3-5, 1979.

ORAGWA International Conference Operations Research in Agriculture and Water Resources, Jerusalem, Israel, November 25-29, 1979.

2nd Miami International Conference on Alternative Energy Sources, December 10-13, 1979, Miami, Florida.

Solar '79 Northwest, Seattle, Washington, August 11-13, 1979.

Burness, H. Stuart, Associate Professor

Papers presented at: (a) California Institute of Technology.
(b) Jackson, Wyoming.

Church, Albert M., Associate Professor

Western Tax Association Meeting - Reno, June 1979.

Cummings, Ronald, Professor

Presented papers:

- (1) "Coal Models and Their Use in Government Planning", Jet Propulsion Laboratory-Calif. Institute of Technology, Carmel, CA.
- (2) "Fourth U.S. - U.S.S.R. Joint Symposium On Comprehensive Analysis of the Environment", U.S. State Department-EPA and University of Wyoming, Jackson Hole, October 22-27, 1979.
- (3) International Association of Energy Economics, Washington, D.C., June 4, 1979.
- (4) "Western Water Issues", Environmental Quality Lab-California Institute of Technology, Pasadena, CA, May 17-18, 1979.
- (5) "Is The MBR a Useful Concept?" sponsored by the U. S. Department of the Interior and University of Houston, Houston, TX. January 29, 1979.

6. Activities (continued)

Gregory, Peter, Professor

Discussant, Seminar on Employment Planning Techniques, ECIEL, Rio de Janeiro, Oct. 3-5, 1979.

Hamilton, David, Professor

Read paper on "The Meaning of Anthropology for Economic Science" at Western Social Science Association, Lake Tahoe, Nev., April 1979.

Vice President of Association for Institutional Thought
Program Chairman for Economics Section, WSSA.

Jonas, Paul, Professor

"Projections of Soviet Economic Growth and Defense Spending" Eastern Economic Association, (Boston) March 24-27; "Success Indicators for the Hungarian Economy" Indianapolis, Indiana, August 20-23, Indiana University Conference on East Europe.

Norton, Roger, Professor

"A Macroeconometric Model of Inflation and Growth in South Korea," paper presented to the Brookings Institution Conference on Economic Stabilization Policies in Less-Developed Countries, Washington, D.C., Oct. 1979. (Co-authored with Seung Yoon Rhee.)

7. Other professional activities.

Cohen, Sanford, Professor

Arbitration of Labor Market Disputes, NM, AZ, CO, TX, LA: consultant to MRGCD.

Cummings, Ronald G., Professor

Consultant: 1. Bureau of Indian Affairs, U.S. Attorney
Generals Off., Economic Aspects of Ind.
Water Rights.
2. U.S. Environmental Protection Agency, economic
damages from suspended particulates.

7. Other professional activities. (continued)

Gregory, Peter, Professor

Consultant to the World Bank on labor markets and employment problems in developing countries.

Jonas, Paul, Professor

Radio Talk show and TV appearance in Hobbs, NM, Feb. 1979.

Parker, Alfred L., Professor

Testimony expert witness for N.M. Dept. of Taxation and Revenue in hearings concerning franchise operations in the state of New Mexico.

Testimony as expert witness for the Jicarilla Apache Tribe in Santa Fe and Albuquerque Federal District Courts in matters concerning the development and value of production from natural gas leases and related antitrust questions in the oil and gas industry.

Talby, Donald, Associate Professor

Consultant - General Atomic Company
Labor availability in the Grants Mineral Belt

8. Non-teaching University service.

Ben-David, Shaul, Professor

Chairman - Computer Use Committee

Chung, Pham, Professor

Chairman: M.A. and Ph.D. Macro Committee; Ph.D. dissertation supervisor.

Cohen, Sanford, Professor

A&S Graduate Committee, American Studies Fac. Committee,
Economics Department Graduate Program.

8. Non-teaching University service. (continued)

Cummings, Ronald G., Professor

1. College (A&S) Promotion Committee
2. Coordinator, Department Resource Econ. Program.
3. Faculty Advisor: 5 Ph.D. students
4. Thesis Advisor: 4 Ph.D. students

Hamilton, David, Professor

Member of Athletic Council
Member and Chair of Academic Freedom and Tenure Committee
Member of Faculty Senate and of Operations Committee of senate.

Jonas, Paul, Professor

Advisory committee for the Dean of Arts and Sciences

Parker, Alfred L., Professor

Member, A&S Committee on Graduate Studies,
Member, Public Administration Division Advisory Committee,
Member, Bureau of Business & Economic Research Advisory Board.
Member, FOR-UNM (Economic Forecast for N.M.) Advisory Board.
Chairman, Department of Economics (July 1, 1979)

9. Public service.

Ben-David, Shaul, Professor

Member Board of Trustees of Congression B'nai Israel and
Chairman of the Education Committee; Member of Adult Com-
mittee of B'nai Brith Yough Organization.

Boyle, Gerald, Professor

Appointed Chairman, Governors Council of Economics
Advisors, April, 1979.

Burness, H. Stuart, Associate Professor

Involvement with Corrales Community Library.

Church, Albert M., Associate Professor

Vice President of the Board - Albuquerque Dance Theatre.

Cohen, Sanford, Professor

Board of Directors, Bernalillo County Planned Parenthood FED.

9. Public service (continued)

Gregory, Peter, Professor

Board of Directors, Albuquerque Opera Theatre.

Hamilton, David, Professor

Member of the State Labor and Industrial Commission
Member of Educational Advisory Bd., Consumers Union;
Member of Ethics and Campaign Practices Board, City
of Albuquerque.

The following popular articles were published in the
NEW MEXICO INDEPENDENT. No claim is made for their
scholarly merit. They are simply listed to avoid
being accused of hiding this non-scholarly output.

"No one who caters to ignorance (Gov. Brownout)
should be elected", Feb 9, 1979

"Salaries at UNM fall in middle of range of mountain
state schools", Mar 16, 1979

"Statistics can be dangerous to your health; more on
mythology", Mar 23, 1979

"Just wait--those low air fares will disappear in
private schemes", April 13, 1979

"Explaining inflation: remember a price is income to
someone else", April 27, 1979

"Hayakawa' outrageous remarks actually contain some
'wisdom'", June 22, 1979

"History of oil economics has profound influence on
country", Aug 24, 1979

"Don't worry, Chrysler will be saved--it's a welfare
state now", Sept 7, 1979

The Report of the Department of English
July 1, 1979 - June 30, 1980
Hugh Witemeyer, Acting Chairman

I. GENERAL INFORMATION

A. Honors. Members of the English Department received a number of important honors from the outside community in 1979-80. Rudolfo Anaya and Simon Ortiz attended a Presidential Reception for American Writers at the White House; both read selections from their work. Rudy published his third novel, Tortuga, and received a Creative Writing Fellowship from the National Endowment for the Arts. Bill Dowling has been a fellow at the National Humanities Center in North Carolina for the past year. No fewer than four members of the department have been named Fulbright lecturers for all or part of the coming academic year. Jeff Buckels (Yugoslavia), Ham Hill (Germany), Tony Marquez (Colombia) and Peter White (Poland). David Johnson and Marta Weigle continued to work on their Exxon Educational Foundation Grant for "Mythology of the Americas," and Marta also received a National Endowment for the Humanities grant to study "Governmental Support of the Arts in New Mexico, 1933-1943." Leslie Silko continued to work on her NEH grant for the Laguna Film Project.

B. Personnel. The Department has been weakened by the resignation of Ellen Spolsky, the anticipated resignation of Leslie Silko, and the termination of Robert Creeley's visiting appointments. But we have been strengthened by the permanent appointment of Barry Gaines as associate professor specializing in the literature of Renaissance England. Barry Gaines received his Ph.D. from the University of Wisconsin; and taught nine years at the University of Tennessee, where he received the annual university-wide award for excellence in teaching. He is associate editor

of Shakespeare Studies, which will henceforth be published at UNM. Meanwhile, Blake: An Illustrated Quarterly continues to be published here, and its editor, Morris Eaves, is welcomed home from his year as Visiting Professor at Tulane University. The new Director of the Undergraduate Honors Program, Dr. Robert Evans, is Visiting Professor of English, and has been teaching undergraduate courses in our curriculum. Professor Helen Vendler of Boston University was our Distinguished Presidential Scholar in Residence in the fall. She taught a graduate workshop on "The Odes of John Keats" and lectured on Wallace Stevens. Rudy Anaya was awarded tenure and promotion to the rank of Associate Professor, effective next fall. Tony Marquez and Peter White were renewed for second three-year term (and probationary) appointments.

C. Curriculum. Enrollment in English courses in 1979-80 was up 9-10%, with much of the increase taking place in the freshman English program. That program made major advances during the year (see report IIA below). But the most significant change in our curriculum this year was probably the massive revision of the undergraduate program designed by Bob Fleming, Paul Davis, and Peter White, and approved by the Department in the spring for implementation in 1981 (see report IID below).

II. REPORTS OF STANDING COMMITTEES

A. Freshman English Program:

Director: Michael Hogan

Assistant Director: Peter Page

Freshman English Committee: Michael Hogan, Chair, Peter Page, Jean Buckels, Tim Weiss, and Joseph Zavadil

A handful of dramatic developments within the freshman English program will be singled out in this report. But, before these visible changes are described, it should be noted that in dozens of small, unobtrusive ways the program drew closer to meeting its goals: to offer a sequence of

logically related writing courses; to achieve consistency among the multiple sections of its courses; to prepare students to write capably in any subsequent college work.

Perhaps the most highly visible development in the program last year was its growth. Already the largest single instructional program at UNM, the freshman English program grew approximately 10% last year.

The pertinent figures are

Fall 1978—132 sections, 3297 students, 24.2 class size
 Spring 1979—110 sections, 2571 students, 23.7 class size
 Fall 1979—148 sections, 3801 students, 25.7 class size
 Spring 1980—116 sections, 2918 students, 25.1 class size

While such growth almost ensures vitality in the program, the increase in average size and the lack of any increase in supervisory/administrative resources for the program are distressing.

1979-80 marked the first year of the integration of English 100 with- in the Basic Skills program at UNM. While increased coordination among the courses in this program is needed, several benefits also can be seen. For the first time, English 100 students regularly practiced writing in forms comparable to those used in real college writing situations, and, for the first time, many students in English 100 were given writing tasks in other Basic Skills courses that reinforced the instruction in their English class.

The CST, under the direction of Zane Taichert, underwent several necessary improvements, all aimed at making the exam more accessible and more fair to students. These improvements included more extensive training for CST graders than ever before, more carefully written exams with greater choice of topics for students than ever before, and many more test dates than in previous years.

With the steady growth in the number of students who are required to pass the CST in mind, the Freshman English Committee decided to incorporate the CST within English 102, effective Fall 1980. This will be accomplished by shifting the panel-grading procedure now used in English 101 to English 102.

Mike Hogan and Peter Page were rewarded for their good work in the freshman program by the acceptance of their textbook, College Writing: A Workbook, for publication by Harper and Row.

B. Creative Writing Program.

Director: Rudy Anaya

Committee: Gene Frumkin, David Johnson, Pat Smith

Student interest and enrollment continue to be high. Doris Holbrook was presented the Lena Todd Memorial Award. The American Academy of Poets prizes went to Ann Applegarth (first prize) and Christine Petersen (second prize). The new M.A. Thesis Option in Creative Writing currently has six students enrolled in it, and will have at least three more next year. The Creative Writing students published a small collection of their work and gave a public reading. More than \$600 was raised for a Creative Writing Fellowship, much of it through faculty contributions. The Fellowship will be awarded to Pamela Blair in the fall, and we hope to raise even more money for 1981-82. Your donations are much appreciated.

Members of the writing faculty continue to be active in community service and publishing. Rudy Anaya's major achievements in the past year are described above. David Johnson and Gene Frumkin have shared the editing of San Marcos Review and the presidency of the Rio Grande Writers Association. Gene published Loops, a poetry chapbook, and Pat Smith published Talking to the Land, her first volume of poems. Gene, Rudy, and

Leslie Silko will all participate in the Fifth Annual New Mexico Writers' Workshop, which will be held at the D. H. Lawrence Ranch near Taos on August 10-16. The workshop will be funded in part by an \$11,000 grant from the Witter Bynner Foundation. The evaluation of creative publications is of continuing concern to the creative writing faculty and the entire department.

C. Graduate Program.

Graduate Director: Hugh Witemeyer

Graduate Committee: James Barbour, Robert Fleming, Gene Frumkin, Barry Gaines, David Johnson, Mike Shearer

In 1979-80 five students received their doctorates in English (Linda Van Buskirk, Bradley Hayden, Meredith Machen, Ed Walkiewicz, and Linda Brodkey) and five received their Master's degrees (Linda Ramsey, Peter Chase, Wendy Jones, Lynn Goldstein, and Cindy Lewiecki). Meredith continued as Director of Developmental Programs at the Northern New Mexico Community College. Ed will be assistant professor of English at Oklahoma State University in the fall. Linda Van Buskirk hopes for a renewal of her instructorship at UCLA. Mike Moran, who graduated several years ago, will be assistant professor of English at Clemson University in the fall. Donna Rix has been appointed Assistant Professor of English at Northern Arizona University in Flagstaff. Larry Morris has a visiting appointment in freshman composition at Eastern New Mexico University. Jeff Buckels, who will finish his degree this summer, has been named a Fulbright Senior Lecturer in American literature in Yugoslavia for 1980-81, and Henry Sikorski has received a six-month extension on his Fulbright Scholarship to Poland. Eight new students entered the Ph.D. program this year, and sixteen entered the M.A. program.

In the coming fall semester, F will replace NC as the lowest possible

grade in graduate courses. And the policies governing 699 (dissertation) enrollment will undergo a change. The new Graduate Director will be Jim Barbour. Marta Field has done an admirable job as Graduate Secretary, succeeding Debbie Sackett.

D. Curriculum Committee.

Committee: Bob Fleming, Paul Davis, Peter White

Recognizing the need to keep the Department abreast of the changing enrollment trends at the University, the chairman appointed a committee to examine the entire curriculum and suggest any changes that might be advisable. Paul Davis, Peter White, and Robert Fleming, after extensive consultation with departmental faculty and with Rod Young, of the Testing Division, Michael Hayes, of the Anderson School of Business, Helene Simson, of the Law School, and George Hirshfield, of Secondary Education; after reading questionnaires completed by students in all upper-division English classes; and after consulting some forty catalogues to see what other institutions were doing, presented a report outlining the following major suggestions:

1. appointment of a director of undergraduate studies
2. revision of English 102 to de-emphasize literature and emphasize writing
3. expansion of upper-level expository writing offerings
4. creation of a basic introduction to literature course at the 200 level
5. creation of several alternative forms of the English major, all consistently more explicit and challenging than the current major, tailored to meet the different needs of students who plan to go on to graduate school, to a professional school, or to secondary school teaching

6. the renumbering of graduate courses to bring their numbers in line with courses covering similar periods or bodies of material on the undergraduate level
7. the dropping of several courses, the renumbering of several others, and proposing of several new courses.

These recommendations were approved by the Department faculty for implementation in 1981.

III. OTHER DEPARTMENTAL ACTIVITIES

A. The Department sponsored the following lectures during the year:

1. September 20, Dr. Ileana Chura of the English Seminar of the University of Belgrade Yugoslavia, presented a lecture, "D. H. Lawrence's Conception of Art, Morality, and the Novel."
2. October 4, Wright Morris, one of the most distinguished living novelists, author of 18 novels, and winner of the National Book Award, presented a public lecture from his forthcoming novel, Plains Song: For Female Voices.
3. October 12, Marjorie Perloff, Florence R. Scott Professor of English at the University of Southern California, and a critic of national reputation in the field of modern poetry, presented a lecture entitled "The Performance Poetry of John Cage and David Antin."
4. January 8, Charles Tomlinson, distinguished English poet, gave a formal address, dedicating the Franklin Dickey Memorial Theater of the English Department.
5. March 12, the annual exchange lecture with Arizona State was presented by Marvin Fisher, Professor of English at Arizona State University. The lecture was entitled "The Centrality of Walt Whitman."

6. April 2, Profesosr Morris Freedman, formerly of the Department and now at the University of Maryland, gave a lecture on "The Current New York and London Stage."

7. May 5, Martha Vicinus, Professor of English at the University of Indiana, a nationally recognized authority in the fields of Victorian literature and women's literature, presented a lecture entitled "Helpless and Unfriended: Nineteenth Century Domestic Melodrama."

B. The Department also contributed to sponsorship of the following events:

1. November 5 and 6, jointly with the Latin American Institute, the Political Science Department, and the Graduate School Speakers Committee, Richard Koster, novelist, journalist, college professor, and 22-year resident of Panama, who gave two public lectures: "Fiction and Journalism: Thoughts From a Bifurcated Practitioner," and "Revolutionary Change in Central America: The View from Panama."

2. February 18, jointly with American Studies, Sacvan Bercovitch, Professor of English and Comparative Literature at Columbia University, gave a lecture entitled, "Melville's World: The Example of Pierre."

3. Professor James Thorson was President of the fifth annual meeting of the South Central Society for Eighteenth Century Studies that was held in Albuquerque, March 6-8. Professors William Dowling and Peter White were on the planning committee. Professor White chaired a seminar honoring Professor Leon Howard on the subject "The Connecticut Wits." He also coordinated the music for the meeting.

4. March 24 through 28, with Fine Arts, Theatre Arts, American Studies, Philosophy and Graduate School, Stanley Cavell, distinguished

philosopher, Walter M. Cabot Professor of Aesthetics and the General Theory of Value at Harvard, spent a week lecturing publicly and meeting with smaller groups.

5. Rudy Anaya organized a Chicano literary symposium April 10-11, 1980, on the campus of UNM. Six scholars of literary criticism about Chicano literature participated in the symposium. The symposium was made possible by funds from the Greater UNM Fund Allocations Committee, the UNM Department of English and Mesa Chicana, a UNM graduate student organization.

6. The D. H. Lawrence Fellow for 1980 is Thomas Sleigh. Mr. Sleigh is currently a Writing Fellow at the Fine Arts Work Center in Provincetown, Massachusetts. He holds a master's degree in the Creative Writing Program at Johns Hopkins University. He has been a poet in the schools of Wilmington, Delaware, and has taught in the Creative Writing Program in the Community College in Baltimore, Maryland. He will be writing this summer in residence at the Lawrence Ranch northwest of Taos.

7. Lori Gallagher, an advanced student in the department, has been awarded a Rotary Club Scholarship to study Irish literature at Trinity College, Dublin, Ireland.

IV. ANNUAL REPORT ON ACTIVITIES OF INDIVIDUAL FACULTY MEMBERS

2. SABBATICALS, ETC.

Rudolfo A. Anaya

-January to May, 1979 LWOP on National Chicano Council of Higher Education Fellowship; Travel and research in Europe.

Ernest W. Baughman

-Sick leave-Semester I, Fall 1979

William C. Dowling

-Fellow, National Humanities Center, Research Triangle Park, N. C. LWOP, 1979-80 academic year.

Morris Eaves

-special appointment as Visiting Assoc. Prof. of English at Tulane Univ., 1979-80

Robert Fleming

-Brief research at University of Illinois library, Urbana, Ill. July 1979.

Gene Frumkin

-Went on a mini-reading tour in California, visiting San Luis Obispo, Santa Barbara, and Los Angeles, Ca.

Patrick J. Gallacher

-Sabbatical leave in England, 1978-79

David C. McPherson

-Sabbatical, spring 1979 in Cambridge, England doing research on Ben Jonson at Cambridge University Library and British Library, London.

-Travel, summer, 1979, including England, Scotland, Wales, Ireland, France, Switzerland, Italy, Austria and West Germany.

Patricia C. Smith

-Sabbatical, Spring semester, 1979

Harvena Richter

-Travel to Pennsylvania to bring father's manuscripts, journals, notebooks, etc. west for work-in-progress on CONRAD RICHTER ON WRITING.

Helen-Jane B. ("Zane") Taichert

-travel: Israel (March)

James L. Thorson

-Travel to Norman, Oklahoma for the annual meeting of the South Central Society for Eighteenth Century Studies, March 22-24, 1979.

2. continued

James L. Thorson

- Travel to Tempe, AZ, for research, May 14-22, 1979
- Travel to San Francisco, CA. for annual Modern Language Association meeting, December 26-30, 1979.

Mary Martha (Marta) Weigle

- Course in Folktales at Museum of New Mexico, Santa Fe, Educational Division, spring 1979.

Mary Bess Whidden

- brief periods at Washington, D.C., and Princeton University

Peter White

- Summer research, New England, Harvard University

Hugh Witemeyer

- Travel to University of Durham in England to read paper at conference.

3. NEW SCHOLASTIC HONORS, ETC.

Rudolfo A. Anaya

- National Endowment for the Arts Creative Writing Fellowship 1979-80.
- The Before Columbus American Book Award for TORTUGA.

William C. Dowling

- Fellow, National Humanities Center
- book (The Boswellian Hero) nominated by Georgia University Press for Christian Gauss Award and James Russell Lowell Award.

Michael Fischer

- Faculty Research Allocations Committee Grant

Gene Frumkin

- First prize (\$150), Yankee (magazine) Poetry Awards for 1979 for the poems, "Apocalyptic," originally published in the September issue.
- Judge: Peter Viereck.

Hamlin Hill

- Charlie Chaplin Award, American Humor Studies Association; "Best History Book, 1978," Society of Midland Authors; Fulbright fellowship, University of Würzburg, Germany, for Summer, 1980.

Michael J. Hogan

- appointed to Associate Faculty Status in Linguistics

Antonio Marquez

- Awarded Senior Fulbright-Hays Lectureship in American Literature, National University, Bogota, Colombia, for Summer 1980.

James Thorson

- Elected President of the South Central Society for Eighteenth Century Studies.

3. continued

Mary Martha (Marta) Weigle

- (with William Wroth, Taylor Museum, Colorado Springs Fine Arts Center), "Governmental support of the Arts in New Mexico, 1933-1943"
- \$32,400 from National Endowment for the Humanities (RS-0056-79-589), July 1, 1979 - December 31, 1980.
- UNM Research Allocations Committee, Faculty Research Grant, \$210.00, April 1979, for "Ethnographic Analysis of University Teaching Performances."

Peter White

- Renominated for Fulbright Senior Lectureship to Poland, 1980-81.
- Publications Grant, National Endowment for Humanities, Tompison Edition.

Hugh Witemeyer

- American Council of Learned Societies Travel Grant for trip to Ezra Pound Conference at University of Durham.

4. PUBLICATIONS

Rudolfo A. Anaya

- TORTUGA, novel, (Editorial Justa Publications, 1979)
- "A Story", short story, GRITO DEL SOL, 1979.
- Interview in New America and San Francisco Review of Books

Sharon R. Barba

- 7 poems, "The Writer's Page," New Mexico Independent, 9 Nov. 1979
- (theatre) "Thanksgiving" & "A Cycle of Women" (poems) in IN OUR OWN IMAGE, theatrical productions directed by Jerilyn Gilstrap, Washington, D.C., 1979-80.

Paul Davis

- "Signs of the Times, 1979" Scheduled for publication by NMSU

William C. Dowling

- Accepted: Language and Logos in Boswell's Life of Johnson (Princeton U.P.)
- Burke article (Modern Language Review)
- reviews in Eighteenth Century Studies, Inquiry (2), etc.

Morris Eaves

- "Lamb, Charles [& John Milton]." In The Milton Encyclopedia, eds. Wm. B. Hunter et al. Lewisburg PA & London: Bucknell Univ. Press & Assoc. Univ. Press. IV, 198-203.
- Comprehensive index for S. Foster Damon's A Blake Dictionary "with a new index by Morris Eaves." Boulder: Shambhala Press, 1979. Pp. 461-532 [72 pp.].
- Review of W. J. T. Mitchell, Blake's Composite Art (Princeton, 1978), in The Wordsworth Circle, 10 (Summer 1979), 275-78.
- FORTHCOMING:
- "Romantic Expressive Theory & Blake's idea of the Audience," PMLA, 1980. 43 pp. in typescript.

4. continued

Morris Eaves

- "Teaching Blake's Relief Etching" (illustrated), Blake/An Illustrated Quarterly (Winter 1979-80), 8 pp.

Michael Fischer

- "Matthew Arnold's Anticipation of Subsequent Challenges to Humanism," Southern Humanities Review, 13 (Spring, 1979), 87-99.
- "Why Realism Seems So Naive: Romanticism, Professionalism, and Contemporary Critical Theory," College English, 40 (March, 1979), 740-50.
- "Defending the Humanities," essay-review of Gerald Graff, Literature Against Itself, The Georgia Review, 33 (Summer, 1979), 433-37.
- "Criticizing Capitalist America," Salmagundi, 46 (Fall, 1979) 166-73.
- contribution to symposium on Christopher Lasch, The Culture of Narcissism; untitled reply to William Neal on I. A. Richards and Realism, College English, 41 (November, 1979), 349-50.

FORTHCOMING:

- Review of R. D. Denham, Northrop Frye and Critical Method (Clio, Winter, 1980)
- "Rehabilitating Reference," Critical Inquiry (February, 1980)
- "Criticism, Inc.," essay-review of Frank Kermode, The Genesis of Secrecy (Salmagundi, Spring, 1980)
- "Is Literature Still Worth Discussing?," essay-review of Wayne C. Booth, Critical Understanding (The Georgia Review)
- review of Pierre Macherey, A Theory of Literary Production (Applied Linguistics, Oxford University Press, Summer, 1980).

Robert E. Fleming

- Review of By Force of Will: The Life & Art of Ernest Hemingway, By Scott Donaldson. JEGP, 77, no. 4 (Oct. 1978), 603-05.
- Review of Zora Neale Hurston: A Literary Biography. By Robert E. Hemenway. Studies in the Novel, 10 (Fall 1978), 360-61.
- Review of James Baldwin, I, 221-224: The Rearing of Satan, Submitted to Studies in the Novel, 11 (Summer, 1979), 248-50.

Cheryl Hope Fresch

- "The Hebraic Influence upon the Creation of Eve in Paradise Lost," Milton Studies, XIII (1979), 36 pages.
- "The Visual-Verbal Dialectic in Hamlet," Submitted to Shakespeare Studies in October, 1979, 39 pages.
- "Paradise Lost, I, 221-224: The Rearing of Satan," Submitted to Milton Quarterly in October, 5 pages.

Gene Frumkin

- Book: Loops (poetry chapbook); Los Cerrillos, N.M., San Marcos Press, 1979.
- Article: "The Reason of Surrealism," Chelsea, No. 38, pp. 28-45.
- Reviews: "The Poet as Priest"; review of Wilson, Keith, Thantog, poems, in The San Marcos Review, Vol. 2, No. 1, pp 16-19.
- The Pushcart Prize III: Best of the Small Presses, in New America, Vol. 3, No. 3, pp 126,127.
- Anthologies (poetry) "Albuquerque Spleen," Foreign Exchange--A Clack

4. continued

Gene Frumkin

- of American Poets. Beverly Hills: Biographics, 1979, p. 51.
- "El Conquistador: the Seventh Floor," "Stopping at the Ramada Inn in Kingman, Arizona," in Dacotah Territory #16, an anthology of "Hotel and Cafe Poems with Photographs," entitled Been Here Once, pp. 22,23.
- Poems: "A Whiskey Bottle, a Manila Folder," Prairie Schooner, Vol. 53, No. 2, p. 174.
- "California Christmas," "Loops II," "The Garden of Technology," The Malahat Review, No. 52, pp. 19-23.
- "Apocalyptic," Yankee, Vol. 43, No. 9, p. 235.
- "The Opera," The Margarine Maypole Orangoutang Express, No. 35, unnumbered.
- "The Mythic Cycles," New Mexico Humanities Review, Vol. 2, No. 1, p. 42.
- "New Name," Poetry Now, Vol. IV, No. 3, p. 16.
- "The Old Stories," "Keeping Watch," "Colette," New America, Vol. 3, No. 3, pp. 64,65.
- "Five Crisp Lilies," "Reflections," Blue Buildings #3, pp. 22,23.
- Fiction: "Times Have Changed" (a section of The Frog Novel), Center #12, pp. 51-62.

Hamlin Hill

- Article, "'There Ought to Be Clowns': American Humor and Literary Naturalism," Prospects (forthcoming).
- Review, Paul Fatout, Mark Twain Speaks for Himself, The Old Northwest, 5:88-90 (Spring '79).
- Review, James L. West, Guyascutus, American Humor, 6:14-15 (Spring '79).
- Review, William MacNaughton, Mark Twain's Last Years as a Writer, American Literary Realism (forthcoming).

Michael J. Hogan

- College Writing: A Workbook (with Peter Page), Harper and Row, approx. 300 pages, to be available in November 1980.

David Johnson

- Poems: "The Plan" & "Wondering about Things," THE NEW MEXICO HUMANITIES REVIEW, v. 2, #1 (Spring 1979).
- "Old Age," CONCEPTIONS SOUTHWEST, v. 2, #1 (Spring 1979).
- "For Mona in Spain" BLACKBERRY #10 (Summer 1979).
- "Midwest" & "North & South" NEW AMERICA V. 3, #3 (Spring 1979).
- "Middle Age," IRONWOOD 14, v. 7, #2 (Fall 1979).
- Article: "Myth and the Writer: A CONVERSATION WITH RUDOLFO ANAYA," NEW AMERICA v. 3 #3 (Spring 1979).

David R. Jones

- Article, "The Virtues of Hedda Gabler," Educational Theatre Journal 29 (Dec. 1977), 447-462.
- Article, "On The Deerhunter" New Mexico Humanities Bulletin, forthcoming.

4. continued

Jane Kopp

- Article, "Looking for the Other Side; The Anglo-American Experience in the Southwest," in New America, III (Spring 1979), 102-111.

Antonio Marquez

- Introduction and "An Interview with John Nichols," New America, X (Spring 1979), 28-33.
- Review of Robinson, Cecil, Mexico and the Hispanic Southwest in American Literature, New America, X (Spring 1979), 124.
- Review of Siegel, Mark, Pynchon: Creative Paranoia in Gravity's Rainbow, Rocky Mountain Review of Language and Literature, 33 (Spring 1979), 82.

Tom Mayer

- article: A guide to Mountain Flying, TAB BOOKS, approx. 200 pages, February 1980.
- article: Comparison Rallye 235 and Maule, Aviation Consumer, spring '79.
- article: Comparison Cessna 182 and Piper Dakota, A/C summer, '79.
- article: Bud Robertson aircraft mechanic, A/C summer, 1979.
- article: Tax avoidance for aircraft owners, A/C spring '79.

David C. McPherson

- Article: "Ben Jonson, Martial, and the Bawdy Epigram," Respublica Litterarum, Vol. II (1979).

Ivan Melada

- Article: "John Ruskin's Ambivalence Toward War." Etudes Anglaises, 32 (1979), 294-302.
- Review of Travels into the Poor Man's Country: The Work of Henry Mayhew, by Anne Humpherys. Dickens Studies Newsletter, 10 (1979), 83-88.

Peter C. Page

- Article: "Poe, Empedocles, and Intuition in Eureka," Poe Studies, Vol. 11, No. 2 (Dec., 1978) (published summer 1979), 21-26.
- Workbook: College Writing: Exercises in Completeness, Consistency, and Coherence (with Michael J. Hogan) accepted for publication by Harper and Row, New York, (forthcoming 1980).

Mary Power

- article: "The Discovery of Ruby," James Joyce Quarterly (forthcoming).

David Remley

- article, Milton Lott, The Last Hunt, Ed. by David Remley, (Boston, 1979).
- article: "Black Elk as Mystic Teacher," New America, III (Spring, 1979).

Patricia C. Smith

- Book (poems). Talking to the Land, Blue Moon Press, Tucson, AZ., 1979, 52pp. Paper and hardcover editions.

4. continued

Patricia C. Smith

- article, "Coyote Ortiz; Canis latrans in the Poetry of Simon Ortiz." Accepted by Minority Voices. Forthcoming, 1980.
- article, "Ain't Seen You Since; Dissent Between Female Relatives in Contemporary Native American Women's Poetry." To be published, along with "Coyote Ortiz," cited above, in Studies in Native American Literature, ed. Paula Gunn Allen. Forthcoming, Spring, 1980, under the auspices of the Modern Language Association.
- review, "Simon Ortiz's Going For the Rain." Forthcoming, Association for the Study of American Indian Literature Newsletter. Forthcoming, Spring, 1980.
- review, "Duane Niatum's Digging Out the Roots." ASAIL Newsletter. Forthcoming, Spring, or Summer, 1980.

Harvena Richter

- "Bread," New America #3, vol. 3, pp. 51-55, chapter of novel-in-progress.
- Lead essay, "Hunting the Moth: Virginia Woolf and the Creative Imagination," in Virginia Woolf: Reevaluation and Continuity, ed. Ralph Freedman, University of California Press at Berkeley, publ. December 28, 1979.
- Poem, "Child as Tree," New Mexico Independent, vol. 83, #30, March 30, 1979.
- Article, "In Search of Matisse," article, 2-page spread w. illustrations, pp. 20-22, Christian Science Monitor, Wednesday, May 23, 1979.
- Essay, "The Tortoise and the Star" (based on V. Woolf quotation), on Home Forum page, C.S. Monitor, p. 21, Nov. 6, 1979.

Ellen Spolsky

- "How to Know a Hypocrite When You Meet One," Rhetoric 78 Proceedings of Theory of Rhetoric: An Interdisciplinary Conference, Robert L. Brown, Jr. and Martin Steinmann, Jr., eds. (Minneapolis: The Minn. Center for Advanced Study in Language Style and Literary Theory, 1979), pp. 297-309. (co-author, Ellen Schaubert). (article)
- article, "Conversational Noncooperation: The Case of Chaucer's Pardoner," Language and Style, forthcoming. (co-author, Ellen Schaubert).
- article, "Readers, Language, and Character" Bucknell Review, Spring, 1980, forthcoming. (co-author, Ellen Schaubert).

James L. Thorson

- Yugoslav Perspectives on American Literature, Ardis Publishers, 1979, 233 pages.
- article, "Authorial Duplicity: A Warning to Editors," Analytical and Enumerative Bibliography, Volume 3, No. 2, Spring, 1979, pp. 79-96.
- article, "Academic Freedom: University of Texas of the Permian Basin," (with William J. Kilgore, Baylor) AAUP Bulletin, May, 1979, pp. 240-250.

4. continued

Mary Martha (Marta) Weigle

- article, "Women as Verbal Artists: Reclaiming the Sisters of Enheduenna," FRONTIERS: A JOURNAL OF WOMEN STUDIES, vol. 3 (fall 1978), pp. 1-9.
- articles, FOLKLORE WOMEN'S COMMUNICATION, nos. 17, 18, 19 (1979)-ed. and writer of various articles.

Peter White

- "The folk-art of Fiddling in the State of New Mexico," New Mexico Humanities Review, May, 1980, 20 pp.
- anthology, Co-editor, Notes from the Gravestone Hotel, anthology of prison writings, Burgess Press, Feb. 1980.
- review-Rocky Mountain Review; "Folksongs and Their Makers," Spring, 1979, xxxiii, 2.

Hugh Witemeyer

- Book: George Eliot and the Visual Arts (Yale Univ. Press, 1979), 288 pp.
- Article, "George Eliot and Jean-Jacques Rousseau," Comparative Literature Studies, XVI (June 1979).
- Review of George Bornstein, The Postromantic Consciousness of Ezra Pound, in Paideuma, 7 (1978), 339-40.
- Review of Joseph Wiesenfarth, George Eliot's Mythmaking, in Nineteenth-Century Fiction, 33 (1978) 396-97.

5. OTHER RESEARCH PROJECTS OR CREATIVE WORK IN PROGRESS, ETC.

Rudolfo A. Anaya

- Cuentos Chicanos, an issue of NEW AMERICA, edited.
- Completed research sponsored by National Chicano Council.
- CUENTOS: TALES OF THE HISPANIC SOUTHWEST, completed translation of cuentos.
- \$1,000 grant to sponsor Chicano Literary Criticism Conference, grant from Greater UNM Fund.
- "Season of La Llorona" and "Rosa Linda" plays completed.

Sharon R. Barba

- work-in-progress: guest-editing a special issue of THE SAN MARCOS REVIEW (ed. Frumkin & Johnson), to be published spring 1980.

James F. Barbour

- "Ball Four with Epilogue" (with Bill Dowling) accepted for Myth, Popular Culture, and American Ideology to be published by UNM Press.
- Nineteenth Century Black Novelists (with Bob Fleming) accepted by Minority Voices.

Ernest W. Baughman

- In progress: cataloguing student folklore collections; stylistic qualities of Hawthorne's works. Legal and church history of Salem, Massachusetts.

5. continued

Paul Davis

- Research on Structures in Dickens' novels and on typology in Victorian fiction in progress.

William C. Dowling

- 3 long articles completed and submitted (Modern Philology, Novel, Critical Inquiry)
- book: (The Logic of Literary Interpretation) completed and submitted (Georgia U.P.)
- articles on Jacques Derrida and Randall Jarrell in progress
- book on internal audience in 18th c. lit (The Epistolary Moment) in first stages, etc.

Morris Eaves

- in progress: book on Blake's artistic theory
book on Blake's Marriage of Heaven and Hell
- "Romantic Expressive Theory & Blake's idea of the Audience."
PMLA, 1980. 43 pp. in typescript.

Michael Fischer

- Forthcoming Publications: Review of R. D. Denham, Northrop Frye and Critical Method (Clio, Winter, 1980)
- "Rehabilitating Reference," Critical Inquiry (February, 1980)
- "Criticism, Inc.," essay-review of Frank Kermode, The Genesis of Secrecy (Salmagundi, Spring, 1980)
- "Is Literature still Worth Discussing?," essay-review of Wayne C. Booth, Critical Understanding (The Georgia Review)
- review of Pierre Macherey, A Theory of Literary Production (Applied Linguistics, Oxford University Press, Summer, 1980).

Robert Fleming

- Proofs read for Sinclair Lewis: A Reference Guide, to be published early in 1980 by G. K. Hall.
- Reviews pending at Rocky Mountain Review, Black Amer. Literature Forum, AEB.

Cheryl Hope Fresch

- Reviewer for Western Journal of Speech Communication, Fall Quarter, 1979.
- Research underway for a stylistic analysis of the Creation sequence in Paradise Lost, VII.

Gene Frumkin

- A chapbook, called Loops, was published by San Marcos Press.
- Work is nearly complete on the first draft of a new novel.
- An earlier novel, The Frog Novel, is in the mails.
- Two manuscripts of poems will go into the mails in January 1980.
- Continue as co-editor of The San Marcos Review, which has been awarded a \$2,000 CCLM grant for 1980 following a \$1,500 grant from the New Mexico Arts Division in 1979.

5. continued

Patrick J. Gallacher

- Research on pleasure as a motif in Fourteenth Century English Poetry. One article on this subject is presently circulating. Other articles are planned on the same topic.
- Continuing research on medieval philosophy by the literature.

Hamlin Hill

- Senior Advisor, "Mark Twain: Beneath the Laughter," broadcast nationally on PBS, December 10, 1979.

Michael Hogan

- Error Study of English 100 Writing, GUNMF grant, Spring 1979.

David Johnson

- Sponsored research: Exxon Educ. Foundation: "Mythology of the Americas," w/Weigle. 1979.

David R. Jones

- "Albee's All Over" 30 pp under consideration.
- Four Directors, Four Productions, 400 pp., under consideration.
- five plays, all directed at the Vortex Theatre, Albuquerque, NM.
 - Marat/Sade, by Peter Weiss
 - Macbett, by Eugene Ionesco
 - Garden of Delights, by F. Arrabal
 - The Theater of Woody Allen
 - As You Like It. Shakespeare

Jane Kopp

- Grants proposals in preparation for 1) in-state seminars through National Humanities Foundation on freshman English, leading to preparation of regional-based readers, 2) oral history project on Spanish culture in New Mexico, 3) anthology of contemporary Southwestern fiction.

Antonio Marquez

- Cuentos Chicanos: An Anthology of Contemporary Chicano Fiction completed.
- "The Cinematic Imagination in Gravity's Rainbow" accepted for publication: Rocky Mountain Review of Language and Literature.
- "The American Dream in the Chicano Novel" to be authorized in Humanities in Chicano Studies.
- "Technologique in Gravity's Rainbow" accepted for publication: Research Studies (Washington State University)

Tom Mayer

- Completion of novel (forthcoming)
- Working on book about arthritis.

David C. McPherson

- While on sabbatical--research for a book "Elizabethan Drama and the Attack on the Stage." Two chapters will be on Ben Jonson.

Patrick J. Gallacher

- Research on pleasure as a motif in Fourteenth Century English Poetry. One article on this subject is presently circulating. Other articles are planned on the same topic.
- Continuing research on medieval philosophy by the literature.

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David C. McPherson

- While on sabbatical--research for a book "Elizabethan Drama and the Attack on the Stage." Two chapters will be on Ben Jonson.

Ivan Melada

- Three reviews written for Studies in the Novel. George Sand and the Victorian World by Paul Blount, 1700 words. Socialist Propaganda in the Twentieth Century British Novel by David Smith, 2200 words.
- The Literature of War by Andrew Rutherford, 2500 words. The reviews should appear in the Spring, Summer, and Fall, 1980 issues.
- Asked to review The Victorian Historical Novel, 1840-1880 by Andrew Sanders for Dickens Studies Newsletter.

Peter C. Page

- The error study in English 100, funded by a \$600 Greater UNM Fund grant, was completed in collaboration with Michael J. Hogan.
- Articles in progress: "Contradictory and Purposive Archetypes in The Scarlet Letter," "Compulsive Logic In Charles Brockden Brown's Edgar Huntly," "The Babel Factor in Cooper's The Pathfinder."

Roy G. Pickett

- Research in the relation of literary criticism to structuralism, pragmatics, and stylistics.

Mary Power

- "Fingal" and the Irishness of Samuel Beckett" (circulating)
- book, Popular Culture in James Joyce's Ulysses (nearing completion)

David Remley

- "Tragic Themes in the Sand Creek Massacre: Michael Straight's A Very Small Remnant (A Completed Article).
- "Sacajawea: The Process of A Myth" (A Completed article).

Patricia C. Smith

- A critical book on contemporary Native American poetry.
- With Paula Gunn Allen as co-author, "Chee Dostoevski Rides Again: Native American Literature since Momaday." Solicited 20 pp essay for The Literary History of the American West; J. Golden Taylor, general editor. This volume is a literary history being completed under the auspices of the Western American Literature Association. Forthcoming, late 1980.

Harvena Richter

- two articles completed on Virginia Woolf, now with editors
- continuing revision on 2nd novel, third novel begun
- various essays and poetry in work--CONRAD RICHTER ON WRITING still in progress for Princeton Univ. Press.

Ellen Spolsky

- "Stalking a Generative Poetics" (co-author, Ellen Schaubert)
- in progress: book length ms. Literary Competence: A Generative Model w/Schauber
- book length ms. Language Models of Literary Competence: An Inter-disciplinary Reader in Linguistics, Philosophy, and Literary Theory w/Schauber

James L. Thorson

- The Norton Critical Edition of Tobias Smollett's The Expedition of Humphry Clinker, which will be completed this spring or early summer.
- A review of The Eighteenth Century: A Current Bibliography for The Scriblerian which will appear this spring.
- Arranging the program of the South Central Society for Eighteenth-Century Studies which will meet in Albuquerque on March 6-8, 1980.

Fred B. Warner

- Currently editing the war writings of the American writer A. J. Liebling.

Mary Martha (Marta) Weigle

- "Mythology of the Americas" - (with David M. Johnson, English) - work toward completion of an Exxon Education Foundation Grant (\$22,000) - final work to be completed by April 1, 1980.
- "Literary New Mexico--Between the Wars: A Chronicle and Impressions, 1916-1945" a manuscript (with Kyle Fiore, American Studies) for UNM Press - first draft completed.
- Articles in press at this time:
 - "Los Hermanos Penitentes--Brothers of Our Father Jesus," for an anthology, The Folklore of American Ethnic Groups: Collections and Critiques, ed. Ronald J. Ambrosetti. Los Angeles: Alfred Publishing.
 - "The Southwest: A Regional Case Study," for Handbook of American Folklore, ed. Richard M. Dorson. New York: McGraw-Hill.
 - "The Penitentes," for Dictionary of Mexican American History, ed. Matt Meier and Feliciano Rivera. Westport, Connecticut: Greenwood Press.
 - "Introduction" to reprint ed. of Raymond Otis, LITTLE VALLEY, Zia Series, University of New Mexico Press.
 - "The Penitente Brotherhood in Southwestern Fiction: Notes on Folklife and Literature," for volume on American Studies, ed. by Sam Girgus for UNM Press.

Mary Bess Whidden

- Internal Audiences in Sixteenth-Century Sonnet Sequences (in progress)
- Self-Consciousness and Irony in Elizabethan Mythological Narratives (completed)
- The Narrator in Venus and Adonis (completed)
- Form as Subversion in Spenser's Amoretti (one section completed)

Peter White

- \$1,000 Grant from Research Allocations Committee, UNM, summer research, Harvard, for study of Puritan sermon.
- Commissioned twenty-five scholars to write essays for anthology on American Puritan Poetics, Penn State Press, 1981.

Joseph B. Zavadil

- Continuing project concerning Chaucer and Medieval Hagiography

Rudolfo A. Anaya

- Vice-Chairman, Coordinating Council of Literary Magazines; attended meeting of board in Boston and Los Angeles.
- Board of La Academia Publications
- Board of La Compania de Teatro de Albuquerque
- Paper read at RMMLA and MLA
- Board member AHS Centennial Committee

Sharon Barba

- Poetry reading: Rocky Mountain MLA, Women's Caucus, October 1979.

James Barbour

- Chairman: "Fronting the Frontier" 1979 WLA Conference
- Nominating Committee for the Melville Society
- member RMMLA, MLA

Ernest W. Baughman

- Attended meeting of New Mexico Folklore Society, Santa Fe, April 1979.
- Editor New Mexico Folklore Record (no issues this year).
- The New Mexico Folklore Newsletter, two issues (with Professors T. M. Pearce and Marta Weigle.)

Paul Davis

- Paper read at Southwest American Studies Conference

William C. Dowling

- Paper, "Boswell, Rousseau, and the American Revolution" delivered at meeting of South Central Society for Eighteenth Century Studies meeting in Norman, Oklahoma.

Robert E. Fleming

- Attended Western Lit. Assn. convention and RMMLA convention, Albuquerque, fall 1979.
- Associate Editor, Minority Voices.

Patrick J. Gallacher

- Member of Council, Medieval Association of the Pacific
- Editor, Chronica, newsletter of the Medieval Association of the Pacific
- Advisor, Centre for Medieval and Renaissance Studies, Oxford, England.
- Board of Editors, The New Wyclif Society, member.

Hamlin Hill

- Keynote speaker, Missouri Philological Association annual meeting, Springfield, Mo. 15-17 March.
- Chairman, "Evolutions in American Humor," American Studies Association annual meeting, Minneapolis, 27-30 September.
- "Mark Twain's Later Writings: The Idolators and the Heretics," national Modern Language Association, 28-30 December, San Francisco.

Michael Hogan

- Panelist at session on "Teacher Training" at CCCC in Minneapolis, March 1979.

Rudolfo A. Anaya

- Vice-Chairman, Coordinating Council of Literary Magazines; attended meeting of board in Boston and Los Angeles.
- Board of La Academia Publications
- Board of La Compania de Teatro de Albuquerque
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Michael Hogan

- Panelist at session on "Teacher Training" at CCCC in Minneapolis, March 1979.

David Johnson

- Paper read: "UFO;s and ESP? Atlantis, La Llorina, Aztlan? Muth is Alive and Well," Midwest Popular Culture Association, Oct. 12, 1979.

David R. Jones

- Founder, Artistic Director, and President of Board of Directors, The Vortex Theatre, October 1976-June 1978.
- "Kazan Directs Streetcar" 20 pp paper, Southwest Theatre Festival, Oklahoma City, Oct. 1978.

Jane Kopp

- Led fiction workshop at Colorado Mountain College, July 1979.
- Chair, Southwestern Writers Section, Western Literature Association annual meeting--Albuquerque, October, 1979.

Antonio Marquez

- The American Dream in the Chicano Novel, a paper presented at the Modern Language Association Conference, December 29, 1979, San Francisco, California.

Tom Mayer

- Discussed napalm and literature with Tim Page and Steve Northup, a retired correspondents' association.

David C. McPherson

- member, MLA

Ivan Melada

- member, MLA
- member, RMMLA
- Active member, Friends of the Huntington Library

Peter C. Page

- represented UNM's Freshman English Program at the New Mexico Council of Teachers of English convention in Santa Fe, September 29.
- attend and manned the reception desk at the Rocky Mountain Modern Language Association convention in Albuquerque, October 20-21.

Roy G. Pickett

- member, MLA

Mary Power

- Paper, James Joyce Symposium, Zurich, Popular Culture in James Joyce's Ulysses, June 11, 1979, Chairperson, Sacred and profane themes in Joyce.

David Remley

- Chairman, "Regionalism in Western Literature," Western Literature Association Conference, Albuquerque, NM, Fall 1979.

Patricia C. Smith

- "Ain't Seen You Since; Dissent between Female Relatives in Contemporary Native American Women's Poetry." Paper Read at Midwest MLA, Indianapolis, November, 1979.

Harvena Richter

- opening talk and poetry reading, Rio Grande Writer's Association annual meeting, May 4th, 1979.
- talk, "Conrad Richter: As It Was in the Beginning," Western Literature Association annual meeting, Oct. 5, 1979.

Ellen Spolsky

- "The Language of the Academic Community" paper read at the MLA meeting, San Francisco, December 1979.

Ron Swigger

- Helped Host RMMLA meeting in Albuquerque, October 1979.
- member Rio Grande Writers Association

James L. Thorson

- Attended and chaired session on "Politics and the Drama at South Central Society for Eighteenth-Century Studies meeting in Norman, Oklahoma, March 22-24, 1979.
- President, South Central Society for Eighteenth-Century Studies, 1979-1980.
- Attended annual meeting of Modern Language Association, San Francisco, December 26-30, 1979.

Marcia Tillotson

- Attended 1979 MLA meeting in San Francisco, December 27-31, as elected representative to Delegate Assembly.
- Chaired English Literature after 1800 section at RMMLA meeting.

Fred B. Warner

- attended annual convention RMMLA, Albuquerque, October 1979.
- attended annual meeting MLA, San Francisco, December 27-31, 1979.
- chaired novel seminar at annual meeting of Western Literature Association, Albuquerque, Fall 1979.

Mary Martha (Marta) Weigle

- Editor, Publications of the American Folklore Society, New Series
- Editor, FOLKLORE WOMEN'S COMMUNICATION
- "Women and/in Mythology: Problems, Perspectives & Pedagogy," paper delivered at the annual Meeting of the American Folklore Society, Los Angeles, October 25, 1979.

Mary Bess Whidden

- attended RMMLA, Albuquerque, Fall 1979.

Peter White

- Chaired section at Western Literature Association Meeting, Albuquerque, October 1979.
- "American folk-art of Fiddling" paper presented at Society meeting, Santa Fe, May, 1979.

Patricia C. Smith

- "Ain't Seen You Since; Dissent between Female Relatives in Contemporary Native American Women's Poetry." Paper Read at Midwest MLA, Indianapolis, November, 1979.

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Peter White

- Chaired section at Western Literature Association Meeting, Albuquerque October 1979.
- "American folk-art of Fiddling" paper presented at Society meeting, Santa Fe, May, 1979.

Hugh Witemeyer

- Attended meeting of Rocky Mountain Modern Language Association; named chairman of special session on Literature and Other Arts--10/79.
- Attended meeting of national Modern Language Association; 1979 Chair of Division of Literature and Other Arts, presided over session on Literary Illustration.

7. OTHER PROFESSIONAL ACTIVITIES, ETC.

Rudolfo A. Anaya

- Paper and address to National Conference of State Legislators, Santa Fe.
- Addressed West Mesa High School Student Council State meeting.
- Talk to Mesa Chicana, UNM.
- Talks at Cibola High School, Ernie Pyle Jr. High.
- Readings of work at Yale Univ., Reno, Nev., Farmington College, RGWA Kimo Reading
- Teacher at UNM Summer Writers Workshop.
- Talk at Pan American; Mexican American Educators, Los Angeles
- Awarded Columbus American Book Award for TORTUGA, 1980.
- Honored at a White House reception. Read from BLESS ME ULTIMA, 12'79.

Sharon R. Barba

- poetry reading: Downtown Saturday Night series, August 1979.

James F. Barbour

- "The Blue Hotel," presentation for New Mexico Council for the Humanities in Gallup, N.M.

Ernest W. Baughman

- Dinner talk, Albuquerque Corral, The Westerners, March, '1980: "Western Folklore and Humor."

Paul Davis

- Moderator at symposium on energy use sponsored by the Humanities council and the Dept. of History.
- Member of the planning committee for the symposia on the International Year of the Child sponsored by the Humanities Council.
- Participant in a grant taking the American Short Story series into the prisons sponsored by the NMHC.
- Consultant, Holt, Rinehart, Winston.
- Talk on solar energy, UNM School of Architecture.

Morris Eaves

- Paper: "Romantic Theories of the Audience." at Ariz. State Univ. May 1979.
- Reader: for Cornell Univ. Press, "Wm. Blake & the European Art Tradition" by Irene Chayes. Nov. 1979.
- for PMLA, "Blake's Self-Annihilation" by Harold Pagliaro. Sept. 1979.
- Consultant:
To NEH, Division of Research Programs, concerning a project proposed by Richard Price, Chairman, Dept. of Anthropology, John Hopkins, for

Morris Eaves

- a critical edition of John Stedman's Narrative of a Five-Years' Expedition Against the Revolted Negroes of Surinam in Guiana ... (1797). Dec. 1979
- Consultant to English Dept., Louisiana State Univ., in the promotion of Jim S. Borck to Assoc. Prof. October, 1979.
- Consultant to English Dept., Univ. of Western Ontario (Canada) in the tenure and promotion of Richard J. Shroyer to Assoc. Prof. Sept. 1979.
- Consultant to W. J. T. Mitchell, Prof. of English & Ed., Critical Inquiry, Univ. of Chicago, concerning a proposed exhibition of the work of Wm. Blake at the Smart Gallery, Univ. of Chicago, on "Blake as a Religious Artist." Oct. 1979.

Robert E. Fleming

- Lectures in NEH-N.M. Humanities Council film program, spring 1979, in Grants, Gallup.

Gene Frumkin

- Panel member on "Southwest Publications" at the Southwest Conference in April, sponsored by the Rocky Mountain American Studies Assn., New America, Energy Consumers of New Mexico, Inc., Community Development Extension Service of NMSU.
- Poetry readings at San Luis Obispo Arts Council, Beyond Baroque Foundation, KUNM, Albuquerque United Artists, Albuquerque, "Downtown Saturday Nights Festival."

Patrick J. Gallacher

- "Chaucer's Poetry and the Philosophy of Pleasure," lectures given at Wycliffe Hall, Oxford, Spring, 1979.
- "Dame Alice and the Nobility of Pleasure," lecture given at the Medieval Centre of York University, England, Spring, 1979.

Hamlin Hill

- Lectures, Grants, Gallup, Albuquerque, "American Short Stories Series."
- Commencement address, Vo-Tech Institute, December 20.
- Editorial Consultant: Univ. of Iowa Press, U. of Chicago Press, American Literary Realism, American Studies.
- Advisor NEH Media Division, Research Division, Fellowship Division.
- member, NEH final consultant, final selection committee, NEH Category B-Fellowships, 4-6 October, Washington, D.C.

Michael J. Hogan

- Grader for English Composition Essays for Educational Testing Service, Princeton, N.J., June 1979.
- Consultant Reviewer for Prentice-Hall.
- Grader for NCTE Writing Award
- Panelist for A&S-APS Workshop

David Johnson

- Co-editor San Marcos Review
- Poetry Readings: September 27, 1979, Kimo Theatre, Albuquerque
December 20, 1979, Central Torta, Albuquerque
November 4, 1979, Public Library, Artesia, NM.
- Writers Workshop: Artesia, New Mexico, November 3, 1979.

Jane Kopp

- Paper and participation in two NHF seminars on Dependency in Albuquerque, November 9-16, 1979.

David C. McPherson

- Two presentations on Shakespeare to the Gifted Children program, 7th grade, Taylor Middle School, Albuquerque Public Schools, Oct. 16 and Dec. 19 (Mrs. Batuello's classes).

Peter Page

- Vice President of the Board of Directors of Artspace Magazine: Quarterly of the Southwestern Arts (published in Albuquerque).
- Half hour interview on KGGM-TV (Channel 13) with Kenan Block on "inquiry '79" aired Sunday, April 8: "Writing Skills in New Mexico Public Education."

Mary Power

- Talk, Highland High School, April 1979. Dubliners.

Harvena Richter

- poetry reading, Symphony of Life, Dec. 7, 1979.
- obtaining Nigel Nicolson for lecture April 6, incl. making all arrangements, publicity, lecture introduction, etc. (UNM)

Ron Swigger

- Editorial Consultant for UNM Bureau of Engineering Research (part-time) Summer and Fall, 1979.

James L. Thorson

- Write-up of my science fiction course appeared in local media fall, 1979.
- member of several scholarly societies.

Fred B. Warner

- radio interview KUNM concerning new course to be taught in Spring, 1980. LOBO interview on same subject.

Mary Martha (Marta) Weigle

- Talk on the Penitente Brotherhood for summer session of Southwest Studies Program, Colorado Springs.
- In charge of annual meeting, New Mexico Folklore Society, April 1979.
- Review panelist, Division of Research Grants, State and Local History, National Endowment for the Humanities, April and November, 1979.
- "The Penitente Brotherhood in Southwestern Fiction: A Case Study in Folklore and Literature," paper delivered at 14th Annual Mtg. Western Literature Association, Albuquerque, October 5, 1979.

Peter White

- Appointed Associate Editor of Minority Voices: An Interdisciplinary Journal of Literature and the Arts (4th year)

Hugh Witemeyer

- Read paper on "Homage to Sextus Propertius and the Question of Tone in Personae" at Ezra Pound Conference, University of Durham, England, in March 1979.

Joseph B. Zavadi1

- Textbook Reviewer for Harper and Row
- One-Day Workshop for Albuquerque City Department of Human Services (May).

8. NON-TEACHING UNIVERSITY SERVICE, ETC.

Rudolfo A. Anaya

- Director, Creative Writing
- Associate Editor, American Book Review

Ernest W. Baughman

- English Department Policy and Personnel Committee

Paul Davis

- Curriculum revision committee, Department of English
- Policy and Personnel Committee, Department of English
- Faculty Ethics Committee
- Committee on Extension of Retirement Age
- Advisory Committee to College of Education during accreditation
- UNM Ambassadors

William C. Dowling

- Faculty advisor

Morris Eaves

- Editor, Blake/An Illustrated Quarterly
- Member, UNM Press Committee

Michael Fischer

- Member, P & P Committee English Department
- Faculty Advisor, English Department

Robert Fleming

- Department Graduate Committee and Curriculum Revision Committee
- American Studies Committee
- Graduate Advisor
- A & S Promotion Committee

Gene Frumkin

- Acting Director of Creative Writing Program (spring)
- member, Graduate Committee
- faculty advisor
- ASUNM-GSA Poetry Series

Patrick J. Gallacher

- Chairman, two departmental dissertation committees.

Hamlin Hill

- University Press Committee
- American Studies Committee
- Chairman English Department, August--

Michael J. Hogan

- Coordinating Committee (and various subcommittees) for Basic Skills Program
- Albuquerque Schools-UNM School Relations Committee
- A&S Health Science Advisory Committee
- Senior Day Planning Committee

David Johnson

- Director, The Fourth Annual New Mexico Writers Workshop, summer 1979.

David R. Jones

- Committee on Professional Activities, Department of English, Spring 1979.

Jane Kopp

- English Department Policy and Personnel Committee
- Director, D. H. Lawrence Fellowship Committee, 1979
- Chairman, Professional Activities Committee, Department of English, 1979.

Antonio Marquez

- Comparative Literature Committee
- Chicano Faculty Advisory Committee

David C. McPherson

- Arts and Sciences Tenure Committee, fall semester.
- English Department Policy and Personnel Committee, fall semester.

Ivan Melada

- M.A. Advisor
- Library Liaison
- Chairman, English Department, Library Committee.

Peter C. Page

- Assistant Director of Freshman English
- Secretary to the Freshman English Committee
- Member, English Department Policy & Personnel Committee

Roy G. Pickett

- Voting member of the Linguistics Department
- Graduate Committee of Linguistics Department
- Member of the Planning Committee of the Linguistic Society of America Summer Institute to be held Summer 1980 at UNM.

Mary Power

- Faculty Advisor, Speakers' Committee (Sept. 1979--present).
- Director, D. H. Lawrence Fellowship Committee (Sept. 1979--present).
- Member, English Department Graduate Committee (Jan.-May, 1979).

Ellen Spolksy
-M.A. advisor
-M.A. thesis, Ph.D. dissertation director
-Zimmerman Library Committee

Ronald Swigger
-Member, Comparative Literature Committee

Helen-Jane B. ("Zane") Taichert
-Director, CST

James L. Thorson
-Member of the Faculty Senate and the Committee on Long-Range Planning.
-English Department Liaison to Friends of Zimmerman Library.
-M.A. Advisor, English Department
-Faculty Sponsor, Presidential Scholars.

Fred B. Warner
-Faculty advisor Conceptions (undergrad literary magazine)
-member, D. H. Lawrence Fellowship Committee
-member, European Studies Committee

Mary Bess Whidden
-Arts and Sciences Committee on Curriculum and Policy
-English Department, Policy and Personnel Committee

Peter White
-American Studies Faculty Committee
-Professional Activities Committee, English Department
-Curriculum Committee, English Department

Hugh Witemeyer
-Director of English Graduate Studies
-Arts and Sciences Graduate Committee

Joseph B. Zavadil
-Department Chair, January-June
-Member, Academic Freedom and Tenure Committee
-Member, Continuing Education Committee
-Faculty Advisor, Newman Center.

9. PUBLIC SERVICE

Rudolfo A. Anaya
-Talk at AHS class
-Panel at RGWA meeting at New Mexico State University, Las Cruces.

James F. Barbour
-member, Christ Lutheran Church

Paul Davis
-Building Corrales Library; Consultant on solar energy.

David Johnson

- President, Rio Grande Writers Association, April 1979--
- Regional Interviewer: Rockefeller Fund for Theological Education, February 7, 1979.
- Advisory Board: Artists-in-the Schools, Albuquerque Public Schools.

Tom Mayer

- Chairman, Espanola Airport commission
- Installed runway lights at Espanola Airport.

Peter C. Page

- New Mexico M.A. Society
- New Mexico Lung Association

Ellen Spolsky

- Board of Directors, Akiba Day School

Helen-Jane B. ("Zane") Taichert

- layreader--Canterbury Chapel

Mary Martha (Marta) Weigle

- Board of Directors, Santa Fe Historical Society

Hugh Witemeyer

- Pacific Region Selection Committee for the Marshall Scholarship
- D. H. Lawrence Festival Board

10. Michael Fischer

- Son, Joshua, born September 6, 1979

THE REPORT OF THE DEPARTMENT OF GEOGRAPHY

July 1, 1979 - June 30, 1980

Richard E. Murphy, Chairman

I. General Departmental Information

This year has been a time of capitalizing on the advances which the Geography Department has made in the previous few years. While maintaining the offerings in physical and human geography and in most of the world regions, there has been considerable growth in other aspects, especially methodology. There are now well developed programs in cartography and in remote sensing. Quantitative techniques, computer programming and mapping, and field methods are taught on regular bases, as are also urban geography and land use planning. Economic geography has not been given the emphasis it should have, but the completion of plans and the recruitment of a staff member specifically to develop this realm should remedy this situation. Location theory, which is often coupled with economic geography, will thus also be revitalized.

Unfortunately, the department still lacks regional coverage of East Asia, but this loss is more than offset by the considerable advancements in other aspects of the discipline at the University of New Mexico.

A. Significant Achievements

The inauguration of a comprehensive program in cartography was probably the most significant achievement this year. Attention should be called also, however, to the completion of plans for a good program in economic geography

which should begin to bear fruit next year. Note should be taken also of the publication of an atlas of the state largely through the efforts of faculty members in this Department. Furthermore, the Department participated in the 1980 Census Project and contributed to developments in the area studies programs. In addition, two symposia were sponsored by a newly revitalized New Mexico Geographical Association. Last, but not least, the undergraduate and graduate degree programs continued to attract students and to maintain good enrollments.

This year was the first year of the full operation of the cartography program and laboratory. The assignment on a regular basis of a graduate assistant for the cartography lab has been very helpful in achieving this, but principal credit should go to Assistant Professor Alastair Shedden who has organized the entire effort. Introductory cartography, with lab sections at staggered times, is offered during the first semester, and advanced cartography, including computer mapping, is taught during the second semester. These two courses, with 8 hours of credit, when coupled with Map Reading and Air Photo Interpretation (3 hours) and Remote Sensing (3 hours), total 14 hours of work in this realm and provide the solid training sought by employers.

The plans developed for a substantial program in economic geography are now completed, and a new assistant professor has been recruited (Bradley T. Cullen) with a specialization in this aspect of geography. Economic geography courses already in the catalog are Geography 263 - Economic Resources, and Geography 464 - Location Theory. In addition, the department expects to add courses in transportation and advanced economic geography, capitalizing on the advice and training of the new member of the staff.

An atlas of New Mexico appeared this year with Assistant Professor Jerry L. Williams as co-editor and principal compiler. Entitled New Mexico in Maps, the atlas was published by the Technology Application Center of the University. The other editor was Dr. Paul McAllister, formerly of the History Department here at New Mexico. The only other significant atlas of the state to appear prior to this was an Historical Atlas of New Mexico published in 1969 by the University of Oklahoma Press. Dr. Williams authored a number of original maps for his atlas, and Professor Rodman E. Snead of this department was also a contributor. The cartographic work was done by the Technology Application Center under the guidance of Dr. Stanley Morain, Director of the Center and Associate Professor in this Department.

Meanwhile, the Department has continued to participate in the areas studies programs. In particular, a representative of the Geography Department, Professor Richard Murphy, worked with members of other departments in formulating a minor in European Studies.

Another opportunity for a cooperative venture outside the department was the 1980 U.S. Census Project. Assistant Professor Jerry L. Williams represented the Department in this project, guiding students in course work on population analysis while they actually engaged in the work of data gathering for the U. S. Bureau of the Census.

Not all the achievements of the department stem from the work of faculty; attention should be called also to a group of graduate students who have revitalized the virtually defunct New Mexico Geographical Association and have turned it into a lively organization which reflects the intensity of

their interest in this discipline. Mr. Kim Seidler was elected President, and he has been a prime mover in the successful year. Dr. Jerry Williams is the faculty advisor. The membership, although not restricted, is largely from the ranks of the graduate students in geography, several faculty members of this Department, and a number of undergraduate majors. In addition to sponsoring several speakers through the year and a dinner party toward the end of the second semester, the Association sponsored two symposia on topics of current interest in New Mexico. The first one, organized by Dr. Williams, was held in October and dealt with "Land Use Conflicts in the Bisti Badlands of the San Juan Basin," and the second, held in March-April, examined "Land Use Conflicts in the Jemez Caldera" from a number of viewpoints.

Although all these achievements are noteworthy, in the last analysis, the most significant achievement of the Department may have been the continuation of healthy and attractive undergraduate and graduate degree programs and the provision of good courses taught by a competent staff engaged in meaningful research. Therein lies the core of accomplishment for a Department in the Arts and Sciences College of the University.

B. Plans and Recommendations

Plans are underway for the development of economic geography (now that a staff member is being added who emphasizes that aspect of the discipline) and for the revitalization of Geography 401 - Geographic Writings and Analysis, to be offered in alternate years from Geography 501 - History and Philosophy of Geography. Recommendations call for the provision of a minimum number of TA's

or GA's to each unit offering graduate degrees, and the eventual recruitment of another staff member specializing in East Asia or possibly historical geography.

The carrying out of plans for the development of economic geography to a position comparable to other emphases in the Department should now be possible with the addition of a staff member specializing specifically in this aspect of the field. Plans include offering on a regular basis a sophomore sequence in introductory economic geography the first semester and an introduction to spatial organization the second semester. The course on location theory can likewise now be offered on a regular basis. Furthermore, courses in advanced economic geography and transportation are envisaged.

With the retirement of Professor Robert D. Campbell, the course in the History and Philosophy of Geography, Geography 501, which he taught, is left without an instructor. Assistant Professor Alastair Shedden has expressed an interest in it, and with his broad background, stemming especially from his training in the British system in South Africa, he should be able to handle this well. He is also interested in the possibility of teaching Geography 401 which is a course concentrating on library work and bibliographical sources. Accordingly, we plan, in the next year or the following, to have him offer these two courses on a rotating, alternate year basis. They should both be valuable to the graduate students, although senior majors would be encouraged especially to enroll in Geography 401.

A recommendation of the department made to the Committee on the Allocation of GA's and TA's in the Arts and Sciences College is included here as particularly

apropos in the development of the graduate program of this department, and that is the assignment of a minimal number (five is suggested) of TA's/GA's to each graduate unit to ensure a core of student support for the graduate program. Five funded graduate students would provide what some have called a "critical mass" of graduate students which would enable any department to be reasonably sure of sufficient enrollment for seminars and would provide a nucleus around which the graduate degree program could grow. The addition to the Geography Department of a GA in Cartography, together with the two TA's who conduct the physical geography labs, helps greatly. Two more, however, should form a more solid basis for further development. These two could be TA's trained to offer an introductory lab course in Map Reading. Indeed, the Department expects to sever Map Reading from the course in Map Reading and Air Photo Interpretation, since the bulk of the course is devoted to the latter, and Map Reading can be taught at a more introductory level.

A recommendation on a longer range basis would be the addition of one staff member to teach courses on East Asia. This vital area is not now covered in our course offerings, since we lack a specialist in this realm. Historical geography also would be useful to develop, and one person to handle both might be found. In any case, the department is gratified by the addition of the GA in cartography and the permission to replace the vacated faculty position with a specialist in economic geography.

C. Appointments to Staff

Assistant Professor Bradley T. Cullen was recruited for the position in economic geography. He comes to us from his doctoral work at Michigan State University. There were over forty applicants for the position, and this person

was chosen not only because of his capacities in economic geography (which will enable us to expand that program as indicated previously) but also because of his broad background. He will help with the general introductory courses as well as offering courses in economic geography and location theory.

D. Separation from Staff

Professor Robert D. Campbell retires at the end of the summer session, 1980 after ten years at the University of New Mexico and a long career in university teaching including many years as Chairman of the Geography Department at George Washington University.

II. Composite of Information Requested on Individual Biographical Supplements

Following are indicated the achievements, productivity, and other activities of the staff of the Geography Department for the calendar year 1979.

Advanced Study

Assistant Professor Alastair Shedden, appointed to the staff starting the 1978-79 academic year, was completing his requirements for the doctorate at the University of California at Berkeley. The subject of his dissertation is Mining, Miners and Merchants in the Northern Rocky Mountains: A Geography of 19th Century Urban Settlement. His intensive work in developing the cartography program here at the University of New Mexico delayed his completion of the dissertation, but the Ph.D. degree is expected in 1980.

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

Professor Iven Bennett took an automobile trip through the northeastern

U.S. and northeastern and central Canada, gathering material, including slides, for his course on the Regional Geography of North America, Geography 303. Associate Professor Stanley Morain traveled to several areas of the world as a US/AID consultant. This work took him to Central America in February, to Nepal in April, back to Costa Rica in September, and to Sudan in October. Professor Richard Murphy traveled through the Pacific Northwest in May and June. Assistant Professor Alastair Shedden conducted field work in Idaho and Montana during the summer and also gave two guest lectures at the Berkeley summer session. During the spring when on sabbatical leave, Professor Rodman Snead made an extensive trip to the west coast of North America from California to Alaska to gather data for material for a book to be published by Dowden, Huchinsen, and Ross.

New Scholastic honors, fellowships, etc.

There were no new scholastic honors, fellowships, etc. during the 1979 calendar year.

Publications

Associate Professor Stanley Morain: Forward to Introduction to Remote Sensing of the Environment edited by B.F. Richason, Jr., Kendall/Hunt. Co-author with T.K. Budge, "Remote Sensing: Instrumentation for Nondestructive Exploration of Cultural Resources," Supplement No. 2 to Remote Sensing: A Handbook for Archeologists and Cultural Resource Managers, National Park Service.

Professor Rodman Snead: texts for 80 35mm color space photographs included in Satellite Imagery: World Meteorology and Climatology, Harper and Row Media Program.

Microfiche copies of "The Physical Geography of the Shogun Valley, Iran" and "Morphological Changes in the Balakot Coastal Region of Pakistan," Field Research Projects, Coconut Grove, Florida, Henry Field, Director. "Natural Arches of New Mexico," New Mexico Magazine, Vol. 57, No. 2, February, pp. 10-12.

Assistant Professor Jerry Williams: co-editor (with Paul E. McAllister), New Mexico in Maps, Albuquerque: Technology Application Center of the University of New Mexico, 1979. "Abandoned Landscapes: Historical Settlement Record of New Mexico," Proceedings of the Southwest Division of the Association of American Geographers, College Station, Texas, October.

Other research projects or creative work in progress

Assistant Professor Elinore Barrett: "Copper in New Spain's Eighteenth Century Economy, Crisis and Resolution" accepted for publication in Jahrbuch fur Geschichte von Staat, Wirtschaft und Gesellschaft Lateinamerikas. Manuscript completed for "The King Copper Mine, Inguaran in New Spain."

Professor Iven Bennett: investigation of daily maximum and minimum temperatures in New Mexico. Data for a sizable number of stations in New Mexico are available beginning in the early 1900's. Data prior to 1948, however, are available only in tubular form and must be hand processed.

Associate Professor Stanley Morain: Systematic and Regional Biogeography scheduled for publication in 1980 by V. H. Winston and Sons as a book in its "Scripta Technica" series in geography.

Professor Richard E. Murphy: further work on the world distribution of tectonic plates and on the world political patterns in relationship to ethnic factors. He also worked on revisions of Physical Geography: An Introductory Survey.

Assistant Professor Alastair Shedden: Preliminary library research at the Bancroft Library at Berkeley on "Mountainmen in the Southern Rocky Mountains 1830-1850."

Professor Rodman Snead: further work on Coastal Landforms and Surface Features: A Photographic Atlas and Glossary to be published by Dowden, Hutchinsen, and Ross.

Assistant Professor Jerry Williams: preliminary investigation of the "Historical Geography of the Lower San Juan Mountains." A faculty stipend aided research on this project during the summer.

Activities in learned and professional societies

Associate Professor Stanley Morain was appointed Chairman of the Committee on Education of the American Society of Photogrammetry. He attended the annual meeting of the Society in March. Dr. Morain is also Membership Chairman of the local chapter of the American Institute of Aeronautics and Astronautics. Also he presented a paper at the International Workshop on Forestry Remote Sensing held at Humboldt State University, California, in August.

Assistant Professor Alastair Shedden presented a paper entitled "Miners and Merchants: The Functional Basis of Settlement in the Northern Rocky Mountains" at the annual meeting of the Association of American Geographers held in Philadelphia in April. He attended the annual meeting of the Association of Pacific Coast Geographers in Santa Barbara in June. In October he presented a paper on "Trading Places on a Mining Frontier: A case study" at the annual meeting of the Southwestern Division of the Association of American Geographers in College Station, Texas.

Professor Rodman Snead presented a paper on "Storm Damage and Coastal Changes from Hurricane Anita along the Northeast Coast of Mexico" as a poster

session contribution at the annual meeting of the Association of American Geographers held in Philadelphia in April.

Assistant Professor Jerry Williams presented a paper on "Abandoned Landscapes: Historical Settlement Record of New Mexico" at the annual meeting of the Southwestern Division of the Association of American Geographers held at College Station, Texas in October.

Other professional activities

As noted under travel above, Associate Professor Stanley Morain served as a US/AID consultant in remote sensing for projects in several areas of the world. In February he went to Central America (Costa Rica, El Salvador, Guatemala, and Honduras) to evaluate the potential for establishing a regional Remote Sensing Training Center. In April he went to Nepal to prepare a project paper for the establishment of a National Remote Sensing Center there. In September he returned to Costa Rica to evaluate the progress and results of remote sensing applications in natural resources. Then in October he went to Sudan, to serve as an instructor in a remote sensing seminar and workshop.

Professor Richard E. Murphy delivered lectures on "The Geography of Climate, Soils, and Food Production" and on "Population and Development" on October 1 and 22 respectively to a seminar class of Professors Wayne Moellenberg and Glenn Whan.

Assistant Professor Jerry Williams served as consultant on "Deforestation in the Third World" to the Technology Application Center of the University. Also he organized a land use symposium on "Land Use Conflicts in the Bisti Badlands of the San Juan Basin for the New Mexico Geographical Association which was held in October.

Non-teaching University Services

Associate Professor Elinore Barrett served as a member on three committees, The Research Allocations Committee, the Arts and Sciences Tenure Review Committee, and the Academic Programs Committee of the Latin American Institute.

Associate Professor Stanley Morain continued to serve as Director of the Technology Application Center of the University. He is the thesis advisor to two graduate students.

Professor Richard Murphy continued as Chairman of the Geography Department. He was unanimously supported for another three-year term and was reappointed to serve through the spring semester, 1983. Professor Murphy continued also as a member of the European Studies and Russian Studies Committees. Also he served as a member of the Arts and Sciences Curriculum and Policy Committee and as a member of a special Committee for Review of the Assignment of TA's and GA's in the College of Arts and Sciences.

Assistant Professor Alastair Shedden represented the Department at the University of New Mexico High School Day and at the Albuquerque meeting of the Western Co-operative Education Association.

Professor Rodman Snead continued to serve as the Danforth Liaison Officer for the Senior-Baccalaureate applicants for Danforth scholarships. He served also as a member of the Social Science Promotion Committee and the Asian Studies Committee.

Assistant Professor Jerry Williams served as departmental representative to the Arts and Sciences Graduate Committee and as a speaker for the Office of Public Relations of the University. He is the thesis advisor to four graduate students.

All the faculty of the Department serve as advisors to students.

Public Service

Professor Richard Murphy continued as a member of the bass section of the Albuquerque Civic Chorus. Assistant Professor Jerry Williams was again a volunteer teacher with the Albuquerque Childbirth Education Association. He and his wife also served as a host family for the Albuquerque International Host Family Association.

Personal Information

There was no further personal information to add for the 1979 calendar year.

REM/rb.

DEPARTMENT OF GEOLOGY
UNIVERSITY OF NEW MEXICO
July 1, 1979 - June 30, 1980

The Report of the Department of Geology

July 1, 1979 - June 30, 1980

Rodney C. Ewing, Chairman

Jonathan F. Callender, Assistant Chairman

1. General Departmental Information

A. Significant Achievements

The Department of Geology consists of 15 full-time faculty, six part-time faculty, four Professors Emeriti, an Adjunct Distinguished Professor of Petroleum Geology (supported by Energy Exploration Education, Inc.), three research associates, 4 post-doctoral appointments, 14 Ph.D. candidates, 66 M.S. candidates, and 125 undergraduate majors.

During the past year the department granted one Bachelor of Arts degree, 13 Bachelor of Science degrees, 10 Master of Science degrees and 9 Doctor of Philosophy degrees (Appendix I). This compares to 0, 17, 12 and 0 degrees, respectively, for the previous year. As in previous years, placement of our graduates at all levels continues to be at 100 percent. Graduates with bachelor's degrees have taken jobs with Phillips Uranium, Conoco, Cities Service, Texaco, Tenneco and independent consultants. Starting salaries range from \$18,000 to \$21,000 per year, although the maximum salary offer was \$22,800 per year. Other graduates with bachelor's degrees will attend graduate school at the University of Wyoming, Rice University, Harvard University and the University of New Mexico. In each case the students have

received generous offers of financial aid in the form of either teaching assistantships or fellowships. Graduates with M.S. or Ph.D. degrees have been employed by Gulf Minerals, Western Nuclear, Chevron Resources, Seremin, Inc., Shell Oil, Mobil, AMAX Corporation, Exxon, Phillips Uranium, Los Alamos Scientific Laboratory, Jet Propulsion Laboratory, University of South Carolina, Michigan Technical University or have taken positions with smaller independent resource or environmental consultants (Appendix I). The demand for our graduates remains strong and constant. Graduates are sought after by industry as well as state and federal governments and typically are accepted into the best graduate programs in the country.

As a faculty, we have taken advantage of the increased demand for our graduates and the continued high enrollments in geology courses and have raised the academic standards of the Department. Of the eight specific sub-disciplines of geology tested on the Advanced Graduate Record Examination, our undergraduates score significantly above the mean in six of the areas, and at the mean in the remaining two areas. Based on the UAP Aptitude Mean Scores, geology majors rank well above the UNM norm and the national norm. This is a clear reflection of the strength of the overall program, which we continue to make even stronger by insisting on quality teaching in all courses. At every level, the fundamental aspects of the discipline are stressed so that a student who completes his/her B.S. degree is well prepared for employment or advanced training at the graduate level.

A major hallmark of the department remains a dedication to research and the incorporation of that research into the instruction of students at the undergraduate and graduate level. Our fourteen full-time faculty (one position remained unfilled) for this past year published over 180 papers, technical reports, abstracts and maps (this does not include papers in press or preparation), of which many were co-authored with graduate students. In addition, the faculty managed research grants and contracts totalling \$1,964,401 (Appendix II). These funds generated a return in overhead for the university of \$135,000. The research grants included funds to support work in the following areas: (1) Uranium deposits of the Grants Mineral Belt; (2) Compilation of geoscience data relating to direct-heat geothermal potential of New Mexico; (3) The structural and metamorphic geology of the Precambrian of north-central New Mexico; (4) Cenozoic volcanism and orogeny in the New Mexico segment of the Basin and Range province; (5) The evaluation of the long-term stability of radioactive waste forms; (6) Subsurface temperature distributions from heat flow observations; (7) Sedimentary petrology of units of the Española basin, New Mexico; (8) Evaluation of the geothermal potential of numerous areas in the southwest; (9) Study of deep sea sediments and basalt flows; (10) Vertebrate and invertebrate paleontology of New Mexico; (11) Landscape reclamation in the strippable coal belts of North-western New Mexico; (12) Survey of potential sites for the isolation of nuclear waste in shale and argillite units in

Nevada; (13) Applications of volcanology to lunar and planetology geology; (14) Detailed studies of lunar samples and meteorites; (15) Chemical weathering on Mars. Although the above list represents only a partial survey of the research activities of the Department of Geology (see Part II of this report for a complete description of research projects), it is clear that a major portion of this research is of direct benefit to the citizens of the State of New Mexico. In addition we have received \$48,000 in State funds for the acquisition of teaching equipment and supplies in order to maintain our expanding undergraduate teaching program. For the next fiscal year, the Department has been allocated \$200,000 as its first installment of State bond money for the purchase of major pieces of equipment. The two top priorities of the Department are a scanning electron microscope and an x-ray fluorescence unit.

The faculty have been active participants in geologic profession. The geology faculty participated in the International Geological Congress, Paris; Spring and Fall meetings of the American Geophysical Union; Annual meeting of the Geological Society of America; Lunar and Planetary Science Conference; Annual meeting of the Meteoritical Society; Annual meeting of the Materials Research Society; Annual meeting of the American Ceramic Society; Annual meeting of the Rocky Mountain and Cordilleran Sections of the Geological Society of America; Annual meeting of the Society of Exploration Geophysicists; Workshop on Research in Magnetotellurics; Workshop on the Rio Grande rift;

Symposium on the "Evolution of Mars"; Symposium on the "Geological Aspects of Nuclear Waste Disposal"; Annual meeting of the New Mexico Geological Society; National and Rocky Mountain Annual Meetings of the American Association of Petroleum Geologists; NATO Advanced Study Institute, Newcastle U.K.: Mechanisms of Plate Tectonics; NASA course on Venus Orbiting Imaging Radar Interpretation; 49th Congress, Australia-New Zealand Association for Advancement of Science. In nearly every case, support for travel to national and international meetings came from outside the university. In addition to faculty travel, 32 geoscientists visited the Department of Geology to present lectures and discuss their research with faculty and students (Appendix III).

The geology faculty served on the editorial boards of the following journals: The Bulletin of the Geological Society of America, The American Mineralogist, Geology, Chemical Geology, Colorado School of Mines Quarterly and Tschermak's Mineralogisch-Petrographische Mitteilungen. Professor Brookins served as a member of the Editorial board of the Proceedings volume for the Second International Symposium on the Scientific Basis for Nuclear Waste Management and will be co-editor of a new journal on Nuclear Geology. Professor Callender continues as managing editor of the New Mexico Geological Society. Professors Ingersoll and Woodward were the editors for the most recent volume of the New Mexico Geological Society, Santa Fe Country, and Professors Ingersoll and Callender were the editors of NMGS Special

Publication No. 8. The faculty reviewed numerous submitted manuscripts for most of the principal international earth science journals.

The Institute of Meteoritics continues as an important part of the research and instructional program of the Department of Geology. The research program has resulted in the publication of twenty-seven scientific articles in major national and international, reviewed journals, as well as the publication of twelve abstracts of papers presented at national and international conferences. The staff and students associated with the Institute presented the results of their research in the form of thirty professional papers presented before national and international scientific meetings. During the report period, grants and contracts totalling \$1,291,612 were in effect in the Institute of Meteoritics.

The Department has continued its traditional emphasis on the quality of undergraduate and graduate education. As part of this effort, the entire undergraduate curriculum has been revised (Appendix IV). The revised curriculum establishes a basic core curriculum with strong requirements in the supporting sciences and mathematics, and yet retains enough flexibility to allow students to prepare themselves for advanced study in various subdisciplines of geology such as geophysics or geochemistry. The revised curriculum will be phased into the Departmental course offerings during the next academic year. At the graduate level, the procedures and examinations for advancement to candidacy for

the M.S. and Ph.D. degrees have been revised (Appendix V). The revision was made in an effort to insure the most efficient completion of the degree requirements and at the same time insure a consistent, high level of performance of students during graduate examinations.

In order to augment course offerings at the undergraduate and graduate level in energy related fields, the Department was proud to host the first Distinguished Visiting Professor of Petroleum Geology, Dr. Frank Conselman. Dr. Conselman is a past president of the American Association of Petroleum Geologists, the American Geological Institute and the American Institute for Professional Geologists. During the Fall semester of 1979 he taught two courses: Petroleum Geology and Subsurface Geology. Funds for this position are provided by a non-profit corporation, Energy Exploration Education, Inc. The Department has requested nominations from prominent petroleum geologists for the selection of the next Distinguished Visiting Professor of Petroleum Geology for the Fall semester of 1981. The members of the board of Energy Exploration Education, Inc. are beginning an active campaign to raise funds for the continued support of this program.

Financial aid for students is available for those who can demonstrate financial need and academic merit. Undergraduate scholarships are supported by outside gifts and by the Leonard Scholarships (see Appendix VI for a list of students and the amount of their awards). Restricted and unrestricted gifts to the Department totaled \$8,658. For the next academic year we expect

additional support for undergraduates in the form of two scholarships which will be endowed (\$35,000) by the Campbell Foundation. The scholarships will be awarded for two years at the beginning of the junior year. Support for graduate students is in the form of teaching assistantships (15) and research assistantships (26) funded by outside grants and contracts (see Appendix VII for a list of graduate students and the sources of support).

Application for admission to the graduate program remains constant. Ninety-four students applied for admission in 1980, and 56 were admitted. A total of 50 were students desiring to work towards an M.S. degree; 6 were Ph.D. candidates. Based on the results of the Graduate Record Examination, the students accepted into our graduate program fall into the top 25-30 percent of the graduating geology seniors who took the exam. The characteristics of the applicants are summarized in Appendix VIII.

One of the most important events of recognition to come to the Department was the award of the Regents Meritorious Service Medal to Mr. Donald Power. The medal is awarded annually to members of the faculty and staff of the University in recognition of extraordinary and distinguished service to the institution. The entire faculty and staff of the Department of Geology were pleased and proud to see Mr. Power honored by the University.

B. Significant Plans and Recommendations

1. Due to revisions in the undergraduate program and the purchase of new equipment using State bond money and matching funds from research grants, the Department must renovate selected laboratories and portions of the building. The anticipated purchase of a new scanning electron microscope and an x-ray fluorescence unit require first-class laboratory space. The renovation of the basement as a complex of laboratories is long overdue and must be a top priority. In addition, laboratories on the second and third floors must be renovated to standards required by our present excellent analytical facilities.

2. The Department must implement the revised undergraduate curriculum and the new procedures and examinations for the M.S. and Ph.D. program.

3. In order to maintain and improve the excellence of our graduate program, the Department must develop methods to guarantee national exposure for the graduate program. We will accomplish this by developing brochures and announcements of our various programs, and supplement these efforts with recruiting trips by our faculty to major universities.

4. The Department must fill the position in exploration geophysics. The exploration geophysics position is a critical part of the instructional program and provides a research program which is of direct benefit to the State of New Mexico. The previous year's efforts to fill the position were unsuccessful due to the stiff competition with industry for geophysicists.

5. The Department has invited prominent members of petroleum industry and earth science faculties to nominate candidates for the Distinguished Visiting Professorship of Petroleum Geology. In addition, we will begin an active program to create an endowment for this position.

C. Appointments to Staff

1. Dr. Jeffrey A. Grambling, Princeton University (1979), appointed as an Assistant Professor, effective August 18, 1980.
2. Dr. Grayton J. Yapp, California Institute of Technology (1980), appointed as an Assistant Professor, effective August 18, 1980.
3. Dr. Barry S. Kues, promoted to associate professor (with tenure), effective July 1, 1980.
4. Dr. Raymond V. Ingersoll promoted to associate professor, effective July 1, 1980.
5. Dr. Frank Conselman, appointed as Adjunct Distinguished Visiting Professor of Petroleum Geology, Fall, 1979.
6. Dr. William Luth, Sandia Laboratories, appointed as Adjunct Professor, Fall, 1979.

D. Separations from Staff

1. Dr. George R. Jiracek, resigned effective June 30, 1980, to become a Full Professor at San Diego State University.
2. Dr. Gary P. Landis, resigned effective August 15, 1979, to accept a position with the U.S. Geological Survey.

1. ADVANCED STUDY

Roger Y. Anderson:

Mineralogical Soc. America, Short Course in Marine Minerals, Nov.
2-3, 1979. Scripps Inst. Oceanography.

Douglas G. Brookins:

Professional re-certification, American Institute of Chemists.

Jonathan F. Callender:

Invited attendee, NATO Advanced Study Institute, Newcastle U.K. -
Mechanisms of Plate Tectonics

Wolfgang E. Elston

Attended NASA-sponsored course on Venus Orbiting Imaging Radar
Interpretation, Goodyear Aerospace Corp., Litchfield Park,
Arizona, March 10-14, 1980.

2. SABBATICALS, LEAVES OF ABSENCE, TRAVELS, ETC.

Douglas G. Brookings:

Sabbatical leave for the 1979-80 Academic Year. Projects include research at the Los Alamos Scientific Laboratory (Group CNC-11) on radioactive waste disposal, critically and related near-field actinide behavior near radwaste canisters (study for Sandia Laboratories).

Travel to Lawrence Livermore Laboratories, California.

Travel to Lawrence Berkeley Laboratories, California.

Travel to various cities for professional papers/lectures (See Item 6).

Travel to Carlsbad, N.M. for radioactive waste studies.

Travel to various locations in the Grants Mineral Belt, western New Mexico for uranium research.

Travel to various locations in north-central New Mexico for research on Precambrian rocks.

Jonathan F. Callender:

Sabbatical leave, Spring 1979. Travel to England, Scotland, Denmark, West Germany, Netherlands and France, to study nuclear waste management, rift systems and general geology. Travel to California to do research at California Institute of Technology. Field work in northern New Mexico.

Wolfgang E. Elston

Sabbatical leave, A.Y. 1978-79. November 15, 1978 to January 22, 1979; Guest Investigator, U.S. Geological Survey Hawaiian Volcano Observatory, January 23 to March 9, 1979; New Zealand, including attendance of sessions and field trips of the 49th Congress, Australia-New Zealand Association for the Advancement of Science, geological visits to the Taupo-Rotorua, Banks Peninsula, and Otago Peninsula volcanic fields and the Wairakei-Broadlands geothermal field, visits to New Zealand universities. March 9 to July 31, 1979: Exchange Scientist, University of Queensland, Australia, under NSF-sponsored U.S.-Australia Cooperative Science Program (cooperating Australian scientists: N.C. Stevens, A. Ewart). Geologic field work on Triassic and Miocene volcanic centers of Queensland and New South Wales, visits to Australian universities and government agencies. July 31 to August 10: Geologic field trip in New Caledonia. August 10 to August 14: Geologic field trip in Fiji.

Taught short seminar on association of ore deposits and volcanic centers, University of Queensland.

Led geological field trip through New Mexico for 36 geology students and faculty, Technische Hochschule, Aachen (German Federal Republic), Sept. 22-28, 1979.

Invited guest lecturer, UNM German Summer School, Taos, NM, June 23 to June 24, 1980 (anticipated).

Rodney C. Ewing:

Visiting Research Scientist, Hahn-Meitner Institute for Nuclear
Studies, West Berlin, German, June 7 - July 2.

Raymond V. Ingersoll:

Travel to Zion and Grand Canyon national parks with class.

Raft trip down Colorado River with class.

Fieldwork in northern N.M.

Travel to southeastern Arizona for 3-day fieldtrip (joint trip
with Univ. of Arizona).

Talk and 2-day visit, Univ. of Minnesota, Minneapolis.

Talk and 2-day visit, Univ. of Washington, Seattle.

Attended fieldtrip to the Swiss Alps to visit molasse and flysch
deposits in their type areas (International Geological
Congress), Geneva, Switzerland.

George R. Jiracek:

Ames Research Center, Moffett Field, California, invited seminar
"Calculation of Reflection and Propagation of Waves at Oblique
Incidence on Layered Media", February 15, 1979.

Hayward, California visit with magnetotelluric subcontractor QEB,
Inc., February 16, 1979.

Berkeley, California, visit with University of California
geothermal investigators, February 18, 1979.

Las Cruces, presented Department of Physics, Colloquium at New
Mexico State University, March 22, 1979.

Marina del Ray, California, participated in DOE Geothermal
Exploration and Assessment Technology Program Plan, Technical
Review Committee.

Washington, D.C., presented paper and attended American Geophysical Union Spring Meeting, May 28-31, 1979.

Socorro, geothermal field work, June-July, 1979.

Truth or Consequences, geothermal field work, July-August, 1979.

Reno, Nevada, attended Geothermal Resources Council Annual Meeting, September 24-27, 1979.

Belen, Mountainair, Socorro, magnetotelluric field work, October, 1979.

New Orleans, Louisiana, co-presented paper and co-chaired geothermal session at Society of Exploration Geophysicists Annual Meeting, November 4-8, 1979.

San Diego, California, presented invited talk to Department of Geological Sciences, San Diego State University, December 3, 1979.

Ensenada, Baja California, Mexico, presented invited talk to Department of Geophysics, Centro de Investigacion Cientifica Y Educacion Superior de Ensenada (CICESE), December 4, 1979.

Santa Fe, invited participant in State of New Mexico, Energy and Minerals Department Briefing, Jan. 15, 1980.

Santa Fe, invited participant at U.S. Department of Energy State Coupled Geothermal Resources Program Meeting, Feb. 12, 1980.

Sacramento, California, discussion of California and New Mexico geothermal resource programs with State of California Bureau of Mines and Geology personnel, Feb. 19, 1980.

Saint Helena, California, invited participant to "Workshop on Research in Magnetotellurics: Implications of Electrical Investigation for Geothermal Exploration, Feb. 20-22, 1980.

Santa Fe, invited talk on "Geothermal Energy" to Sierra Club,
Feb. 26, 1980.

Houston, Texas, invited participant to "Workshop on the Rio
Grande Rift - Crustal Modeling and Applications of Remote
Sensing, Apr. 21-23, 1980.

Salt Lake City, Utah, presentation of Department of Energy
contract progress report, Apr. 29, 1980.

Los Alamos, attended SQUID applications to Geophysics Workshop,
June 2, 1980.

Klaus Keil:

Pasadena, California. Attendend Symposium on "Evolution of Mars"
and co-authored paper. Jan. 15-17, 1979.

Denver, Colorado. USGS, Special Projects Branch. Meeting and
discussion of tuff as a medium for the disposal of high-level
nuclear waste. Feb. 2-4, 1979.

Orlando, Florida. Attended Edison Foundation Meeting and
presented invited talk. Disney World, Feb. 9-11, 1979.

Munich, West-Germany. Attended Edison Foundation Meeting and pre-
sented invited talk at German Museum. Feb. 23-March 3, 1979.

Albuquerque, New Mexico. Attended Symposium on "Geological
Aspects of Nuclear Waste Disposal", UNM, March 15-16, 1979.

Bozeman, Montana. Attended Edison Foundation Meeting at Montana
State University and presented invited talk. March 18-20,
1979.

Houston, Texas. Attended Lunar and Planetary Sciences Conf. and
co-authored eight (8) papers. March 20-23, 1979.

Houston, Texas. Attended Antarctic Meteorite Working Group Meeting, Natl. Science Foundation, March 24-25, 1979.

Cleveland, Ohio. Attended Edison Foundation Meeting and presented invited talk at General Electric Lighting Institute, May 4-6, 1979.

Minneapolis, Minnesota. Attended teachers workshop and presented talk, June 28-29, 1979.

Pomona, California. Visited Geology Department at Pomona College, California, and discussed joint papers as part of Viking Program with Drs. A. K. Baird and B. C. Clark, July 6-7, 1979.

Heidelberg, West-Germany. Attended Meteoritical Society Meeting and presented a major, invited talk, a contributed talk, and co-authored 5 additional papers, Sept. 1-16, 1979.

Washington, D.C. Attended Antarctic Meteorite Working Group Meeting, National Science Foundation at Smithsonian Institution, Sept. 21-23, 1979.

London, Cambridge, and Oxford, England. Presented major invited paper at the Royal Society Meeting on "Meteorite Research",

London, visited Cambridge University, Cambridge, Pergamon Press, Oxford, and attended Royal Astronomical Society Meeting on Asteroids, London, Nov. 3-11, 1979.

Baton Rouge, Louisiana. Attended Edison Foundation Meeting and presented invited talk at Louisiana State University, Dec. 7, 1979.

La Jolla, California. Attended symposium in honor of H. E. Suess and presented invited paper at the University of California, Dec. 14-15, 1979.

Houston, Texas. Served on Program Committee for the 11th Lunar and Planetary Science Conference, L.B. Johnson Space Center, Jan. 27-30, 1980.

Houston, Texas. Attended Lunar and Planetary Science Conference, L.B. Johnson Space Center, and co-authored three talks, Mar. 16-21, 1980.

Santa Fe, New Mexico. Presented talk to Santa Fe Astronomers, Mar. 27, 1980.

Houston, Texas. Served on Antarctic Meteorite Working Group, National Science Foundation, L.B. Johnson Space Center, Apr. 10-13, 1980.

Mercury, Nevada and Las Vegas, Nevada. Visited Nevada Test Site to study tuff, June 3-4, 1980.

Albert M. Kudo:

Leave of Absence Feb. 5-Mar. 15. Acted as Petrologist/Geochemist on board DV-Glomar Challenger Leg 65, over the East Pacific Rise off tip of Baja California.

Travel to Washington, D.C. to attend Amer. Geophys. Union Annual Meeting, May 25-30.

Barry S. Kues:

Travel to Indiana University to discuss geologic research.

Travel to Museum of Northern Arizona, Flagstaff, to discuss paleontological matters.

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Lee A. Woodward:

Sabbatical leave, Fall 1979. Travel to Colorado, Wyoming, Montana
and Canada.

3. NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

Douglas G. Brookins:

Who's Who in America (41st Edition)

Who's Who in the West

1979-80 International Biography Dictionary

Community Leaders of America

1979-80 Who's Who of Intellectuals (international)

Elected to membership in the Society for Geology Applied to
Mineral Deposits.

Joined Materials Research Society

Invited for membership, American Nuclear Society

Requested to serve as Educational Coordinator for the Second
International Symposium on Scientific Basis for Nuclear
Waste Management (sponsored by Materials Research Society,
Cambridge, Mass. Nov. 25-30).

American Nuclear Society

American Chemical Society

Clay Minerals Society

Jonathan F. Callender:

Visiting scientist, University of Karlsruhe, West Germany; member
and chairman of final nuclear waste disposal subcommittee,
Gorleben International Review, West Germany (international
review of West Germany nuclear waste disposal policy); Turner
Distinguished Lecturer, University of Michigan, 1979-80.

Rodney C. Ewing:

Who's Who in Technology Today, 1979 Edition

Associate Editor, The American Mineralogist, 1979-1983

Elected to fellowship in the Geological Society of America.

Certificate of Recognition - Sigma Xi.

George R. Jiracek:

Appointed Adjunct Professor of Geological Sciences, San Diego State University, San Diego, California effective March 3, 1980.

Klaus Keil:

Secretary, Commission on Cosmic Mineralogy, International Mineralogical Association.

Member, Editorial Board, Journal "Chemical Geology".

Member, Editorial Board, Colorado School of Mines Quarterly, Golden, Colorado.

Member, Lunar and Planetary Science Council, Universities Space Research Association, Houston, Texas.

Member, Antarctic Meteorite Working Group, National Science Foundation.

Member, Search Committee for Editor, Geophysical Research Letters, American Geophysical Union.

Listed in Who's Who in Technology Today.

Chairman, Publications Committee, Geochemical Society and Meteoritical Society.

Member, Editorial Board, Tschermak's Mineralogisch - Petrographische Mitteilungen, Vienna, Austria.

Member, Nominating Committee, Mineralogical Society of America.

Lee A. Woodward:

Elected to Society of Mining Engineers of AIME.

4. PUBLICATIONS

Roger Y. Anderson:

Anderson, R.Y. and Kirkland, D.W., (accepted, in press) Dissolution of salt deposits by brine density flow: *GEOLOGY*, 15 ms pages, 4 figs.

Anderson, R.Y. and Kirkland, D.W., (1979) Dissolution of salt in the Delaware Basin by means of brine density flow: *Geol. Soc. America*; (abs), annual meeting, San Diego.

Anderson, R.Y. and Nuhfer, E.B., (1979) Results of automated sampling of suspended sediment in lakes and reservoirs in the United States. (abs), Annual Meeting, San Diego.

Anderson, R.Y., 1979, Evaluation of potential environmental hazards related to dissolution effects in the vicinity of the WIPP site: Report New Mexico Environmental Evaluation Group, March, 8 p.

Anderson, R.Y., 1979, Mechanism and rates of development of regional and localized dissolution features in and below evaporites: Report, New Mexico Environmental Evaluation Group, April, 15 p., 3 figs.

Anderson, R.Y., 1979, Notes on dissolution and brine chambers related to the WIPP: New Mexico Environmental Evaluation Group Sept., 15 p., 7 figs.

Anderson, R.Y., 1979, Relationship of Deep-seated dissolution to the WIPP site: New Mexico Environmental Evaluation Group, December, 10 p., 4 figs.

SCIENCE, Research News, Kerr, R.A., 1979, Geologic disposal of nuclear wastes; salt's lead is challenged: *Science*, vol. 204, no. 4393, p. 603-604, 1 fig.

Douglas G. Brookins:

Brookins, D. G., in press, 1979, The geochemistry of sandstone type uranium deposits: C. 7 in the Occurrence and Geologic Setting of Uranium Deposits, Electric Power Research Inst. Spec. Pub., p. 1-62.

Riese, W. C., D. G. Brookins, M. J. Lee, and R. S. Della Valle, 1979, Application of trace element geochemistry to prospecting for sandstone-type uranium deposits: Jour. Geochem. Expl., Geochem. Expl. 1978, p. 47-63.

- Laughlin, A. W., D. G. Brookins, P. E. Damon, and M. Shaffiqullah, 1979, in press, Late Cenozoic volcanism of the central Jemez Zone, Arizona-New Mexico: Isochron/West, n. 25, p. 5-9.
- Enz, R. D., A. M. Kudo, and D. G. Brookins, 1979, Igneous origin of the orbicular rocks of the Sandia Mountains, New Mexico: Geol. Soc. Amer. Bull., v. 90, p. 138-140 (Part II; doc. 590205, 16 pp.).
- Nelson, S. W., D. Grybeck, M. L. Silberman, and D. G. Brookins, 1979, Cataclastic Granitic Rocks in the Central Brooks Range, Alaska: Geol. Soc. Amer. Prog. w. Abs., v. 11, p. 119.
- Chaudhuri, S. and D. G. Brookins, 1979, The Rb-Sr Systematics of Acid-Leached Clay Minerals: Chem. Geol. v. 24, p. 231-242.
- Brookins, D. G., 1979, Syngenetic model for some early Proterozoic uranium deposits: evidence from Oklo: Int. Uranium Sym., Pine Creek Geosyncline, N. T. Australia (June 4-8, 1979), ext. abs., p. 21-26.
- Brookins, D. G., and R. S. Della Valle, 1979, The less common trace elements in sandstone type uranium deposits: Amer. Assoc. Petrol. Geol. Bull., v. 63, p. 823-824.
- Riese, W. C. and D. G. Brookins, in press, The Mount Taylor uranium deposit: a description and comparison with Wyoming roll-fronts: Amer. Assoc. Petrol. Geol., v. 63, p. 839.
- Brookins, D. G., 1979, Periods of mineralization in the Grants Mineral Belt, New Mexico: Sym. Grants Uranium District (sponsored by AAPG, AIME, NMBMMR), Amer. Assoc. Petrol. Geol. Bull., v. 63, p. 687.
- Place, J.T., R. S. Della Valle and D. G. Brookins, 1979, The mineralogy and geochemistry of the Mariano Lake Uranium District, Grants Mineral Belt: Amer. Assoc. Petrol. Geol. Bull., v. 63, p. 692.
- Riese, W. C. and D. G. Brookins, 1979, The Mount Taylor Uranium Deposit, San Mateo, New Mexico: Amer. Assoc. Petrol. Geol. Bull., v. 63, p. 693.
- Riese, W. C., D. G. Brookins, M. J. Lee and R. S. Della Valle, 1979, Scanning electron microscopy investigation of the paragenesis of uranium deposits, Grants Mineral Belt, New Mexico: Amer. Assoc. Petrol. Geol. Bull., v. 63, p. 693.

- Della Valle, R. S. and D. G. Brookins, 1979, Geochemical studies of the Grants Mineral Belt, New Mexico: Amer. Assoc. Petrol. Geol. Bull., v. 63, p. 687.
- Brookins, D. G., 1979, Mechanisms for Uranium deposition in the Grants Mineral Belt: Amer. Assoc. Petrol. Geol. Bull., v. 63, p. 686-687.
- Hicks, R. T., R.E. Lowy, D. G. Brookins and R. S. Della Valle, 1979, Petrography and geochemistry of the Westwater Canyon Member, Morrison Formation, northern San Juan Basin: similarities and differences with the Grants Mineral Belt: Amer. Assoc. Petrol. Geol. Bull., v. 63, p. 690.
- Brookins, D.G., 1979, Thermodynamic considerations underlying the migration of radionuclides in geomedias: Oklo and other examples: Proc. Vol. Sym. Science Underlying Rad. Waste Management, G.J. McCarthy, Ed., Plenum Pub. Co., p. 355-366.
- Brookins, D.G., R.S. Della Valle and S.L. Bolivar, 1979, Significance of uranium abundance in United States kimberlites: in Kimberlites, Diatremes and Diamonds, 2d Int. Kimb. Conf. (L.H. Ahrens, F.R. Boyd, J.B. Dawson, eds.) Amer. Geophys. Un. Proc., Vol. I, p. 280-288.
- Bolivar, S.L. and D. G. Brookins, 1979, Geophysical and Rb-Sr study of the Prairie Creek, Arkansas kimberlite: in Kimberlites, Diatremes, and Diamonds, 2d Int. Kimb. Conf. Proc. (L.H. Ahrens, F.R. Boyd, J.B. Dawson, eds.), Amer. Geophys. Un. Proc., Vol. I, p. 289-300.
- Brookins, D.G., 1979, "Clay Minerals Suitable for Overpack in Waste Repositories: Evidence from Uranium Deposits:" in Sym. on Scientific Basis for Nuclear Waste Management; Mat. Res. Soc., Extended Abs., p. 115-116.
- Brookins, D.G., J.K. Register, M.E. Register and S.J. Lambert, 1979 "Clay Mineral - Brine Interactions During Evaporite Formation: Lanthanide Distribution in WIPP Samples": ibid., p. 120-121.
- Register, J.K., D.G. Brookins, M.E. Register and S.J. Lambert, 1979 in press, "Long Term Stability of Evaporite Minerals: Geochronological Evidence": ibid. p. 79-80.
- Brookins, D.G., B.C. Chakoumakos, C.W. Cook, R.C. Ewing, G.P. Landis and M.E. Register, 1979, "The Harding Pegmatite: Summary of Recent Research": N.M. Geol. Soc. Gdbk. 30, p. 263-276.

- Register, M.E. and D.G. Brookins, 1979, "Geochronology and Trace Element Chemistry of the Embudo Granite, New Mexico": ibid., p. 155-158.
- Brookins, D.G., R. S. Della Valle and J.P. Balagna, 1979, "Trace Element Exploration Geochemistry of Uranium Occurrences in the San Juan Basin, Southwestern United States": Geol. Soc. Amer. Prog. w. Abs., v. ii., p. 394.
- Brookins, D.G., 1979, "Nature of and Exploration for Uranium in Sandstone Deposits in the United States: an Educational Module": in Extended Abs. Ann. Winter Mtg. Nuc. Soc., Trans. Am. Nuc. Soc., v. 33, p. 119-120.
- Brookins, D.G., 1979, Uranium Deposits of the Grants, New Mexico Mineral Belt (II): U.S. Dept. Energy Rpt. BFEC-GJO-76-029E, 411 p.
- Riese, W.C., D.G. Brookins, and M.J. Lee, 1979, SEM investigations of the paragenesis of uranium deposits, Grants Mineral Belt, New Mexico, U.S.A.: Fifth Int. Assoc. Genesis of Ore Deposits (IAGOD) Quadrennial Sym., p. 165-174.
- Brookins, D.G., J.A. Kasten and A.M. Kudo, 1980, Sr-isotope study of andesites from the southern Albuquerque Basin, New Mexico: Isochron/West, v. 27, p. 27-29.
- Brookins, D.G. and C.J. Zimmerman, in press (1979), Sr-isotope initial ratios from the Taos volcanic field, northern New Mexico: Isochron/West, v. 27, p. 31-33.
- Brookins, D.G., R.G. Warren and A.M. Kudo, in press, (1979), Sr initial ratios from the Engle Basin volcanics, south-central New Mexico: Isochron/West.
- Brookins, D.G., 1979, Geochemical Constraints on Accumulation of Actinide Critical Masses from Stored Nuclear Waste in Natural Rock Repositories: Office Nuc. Waste Isolation Tech. Rept. 17, Battelle Columbus, 52 p.
- Brookins, D.G., 1980, Geochemistry of clay minerals for uranium exploration in the Grants Mineral Belt, New Mexico: Soc. Min. Engr. - AIME Tech. Prog., p. 57.
- Brookins, D.G., 1980, Near-field reactions in evaporites considered for waste repositories; Jnl. Ariz.-Nev. Acad. Sci., v. 15, p. 42.
- Brookins, D.G., 1980, Oklo and radioactive waste: an update: ibid., p. 42-43.

Brookins, D.G., 1980, Primary uranophane from the Grants Mineral Belt, New Mexico: ibid. p. 43.

Enz, R., A.M. Kudo, D.G. Brookins, 1980, Igneous origin of the orbicular rocks of the Sandia Mountains, New Mexico: discussion and reply: Geol. Soc. Amer. Bull., v. 91, p. 246-247.

Publications in Press

Della Valle, R.S. and D.G. Brookins, 1979, in press, "Geochemical Studies of the Grants Mineral Belt, New Mexico": in Sym. on Grants Uranium Region, co-sponsored by AAPG, AIME (central NM Section), NMBMMR; C.E. Rautman, Ed., Memoir 38).

Riese, W.C., D.G. Brookins and R.S. Della Valle, (in press, 1979,1980) "SEM Investigations of Paragenesis of Uranium Deposits, Grants Mineral Belt, New Mexico": ibid.

Hicks, R.T., R.S. Della Valle, D.G. Brookins and R.M. Lowy, (in press 1979,1980) "Petrology and Geochemistry of Westwater Canyon Member, Morrison Formation, Northern San Juan Basin: Similarities and Differences with Grants Mineral Belt: ibid.

Brookins, D.G., (in press, 1979,1980) "Periods of Mineralization in Grants Mineral Belt, New Mexico": ibid.

Riese, W.C. and D.G. Brookins, (in press, 1979,1980) "Mount Taylor Uranium Deposit, San Mateo, New Mexico": ibid.

Place, J.T., R.S. Della Valle and D.G. Brookins, (in press, 1979,1980) "Mineralogy and Geochemistry of Mariano Lake Uranium Deposit, Smith Lake District, New Mexico": ibid.

Brookins, D.G., 1979 in press, "Mechanisms for Uranium Transport and Deposition in Grants Mineral Belt": ibid.

Register, J.K., D.G. Brookins, M.E. Register and S.J. Lambert, (in press, 1980) Clay mineral - brine interactions during evaporite formation: lanthanide distribution in WIPP samples: ibid.

Brookins, D.G., in press, Clay minerals suitable for overpack in waste repositories: evidence from uranium deposits: ibid.

Brookins, D.G., J.K. Register and H.W. Krueger, (in press, 1980) Potassium-argon dating of polyhalite in southeastern New Mexico: Geochim. Cosmochim. Acta.

Brookins, D.G., (in press, 1980) Clay minerals suitable for overpack in waste repositories: evidence from uranium deposits: in Sym. on Scien. Basis Nuc. Waste Mngmnt. II, Plenum Press.

Brookins, D.G. (in press, 1980) Syngenetic model for early Proterozoic uranium deposits: evidence from Oklo: in Internat. Uranium Sym. Pine Creek Geosyncline, CSIRO Inst. Earth Res. and IAEA.

Brookins, D.G. (in press, 1980) Geochronologic evidence for Paleozoic plutonic activity in the Florida Mountains, New Mexico: Amer. Assoc. Petroleum Geol. Bull.

Brookins, D.G., R.S. Della Valle and J.K. Register (in press, 1980) Rb-Sr dating of diagenesis-epigenesis in Mesozoic rocks, San Juan Basin: ibid.

Brookins, D.G., (in press, 1980), Geochemistry of clay minerals for uranium exploration in the Grants Mineral Belt, New Mexico: Trans. AIME.

Brookins, D.G., (in press, 1980), Geochemistry of the Dakota formation of northwestern New Mexico: relevance to radioactive waste studies: Jnl. Amer. Chem. Soc.

Jonathan F. Callender:

Callender, J.F. (1979), Fractures in Cretaceous rocks from selected areas of San Juan Basin, New Mexico -- Exploration implications: Am. Assoc. Petroleum Geologists Bull., v. 63, p. 598-607 (with F.D. Gorham, A.R. Greer and L.A. Woodward).

Callender, J.F. (1979), Precambrian metamorphism in the Placitas-Juan Tabo area, northwestern Sandia Mountains, New Mexico: New Mexico Geol. Soc. Guidebook 30, p. 181-188 (with J.L. Berkley).

Callender, J.F. (1979), Ed., Archaeology and history of Santa Fe country: New Mexico Geol. Soc. Special Pub. 8, 18 p. (with R.V. Ingersoll).

Callender, J.F. (1979), Map of Quaternary and late Pliocene geology of New Mexico: State of New Mexico, Geoscience map series, 1:500,000 (with W.R. Seager).

Callender, J.F. (1979), Map of Quaternary and late Pliocene age dates, mining prospects and water isotope analyses: State of New Mexico Geoscience map series, 1:500,000 (with W.E. Elston, A.M. Kudo and G.P. Landis).

Callender, J.F. (1979), Young faults and geothermal activity in New Mexico: in New Mexico in Maps Univ. New Mexico, Technical Applications Center, Albuquerque.

Callender, J.F. (1979), Chapter 7: Final storage of nuclear waste: Gorleben International Review, State of Lower Saxony, Federal Republic of Germany, 90 p. (in English and German).

Papers submitted or in preparation:

Structural analysis and stratigraphic problems of Precambrian rocks of the Picuris Range, New Mexico: submitted to G.S.A. Bulletin (with R.J. Holcombe).

The Rio Grande rift and the world rift system: in preparation for American Scientist.

Wolfgang E. Elston

* Elston, W.E., 1978, Pyramid Mountains and Muir cauldron (sketch): N.M. Geol. Soc. Guidebook of Land of Cochise, 29th Field Conf., p. 9.

* Deal, E.G. and W.E. Elston, 1978, Geologic sketch of Peloncillo Mountains near Rodeo, New Mexico: N.M. Geol. Soc. Guidebook of Land of Cochise, 29th Field Conf., p. 16.

* _____ and _____, 1978, Diagrammatic north-south cross section of San Mateo Mountains, including Nogal Canyon and Mt. Withington cauldrons: Guidebook to Rio Grande rift in New Mexico and Colorado, N.M. Bur. Mines and Min. Resources Circ. v. 163, p. 100.

Elston, W.E., 1979, Tectonic evolution and economic resources of the Cenozoic ignimbrite province, southwestern North America (abs.): Australian-N.Z. Assn. for the Adv. of Sci., 49th Cong., Abs., v. 1, p. 183.

Elston, W.E. and Bornhorst, T.J., 1979, The Rio Grande rift in context of regional post-40 m.h. volcanic and tectonic events: in Rio Grande Rift: Tectonics and Magmatism (R.E. Riecker, editor): American Geophys. Union, Washington, D.C., p. 416-438.

Chapin, C.E. and Elston, W.E. (editors), 1979, Ash-flow tuffs, Geol. Soc. America Spec. Paper 180, 211 p.

_____ and _____, 1979, Introduction, in Ash-Flow Tuffs (C.E. Chapin and W.E. Elston, editors): Geol. Soc. America Spec. Paper 180, p. 1-4.

Elston W.E., E.E. Erb and E.G. Deal, Tertiary geology of Hidalgo county, New Mexico: Guide to metals industrial non-metals, petroleum, and geothermal resources: New Mexico Geology, v. 1, p. 1-6.

Elston, W.E., 1979, Volcanoes of New Mexico, U.S.A. (abs.): Roy. Soc. Queensland, Suppl. to Monthly Reports, Oct. 1979.

_____, 1979, Geology of the Cebrenia quadrangle of Mars: U.S. Geol. Survey Atlas of Mars, 1:5,000,000 Geologic series, Misc. Inv. Series Map I-1140.

* 1978 Publications not listed in 1978 annual report.

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Barry S. Kues:

1979, "Paleontological survey, resource assessment and mitigation plan for Ideal Basic Industries, Inc. coal lease near La Ventana, New Mexico", Report to Ideal Basic Industries, Inc., Denver, Colorado, 25 p.

1979, A large assemblage of the eurypterid Adelophthalmus from the Madera Formation (Virgilian) of central New Mexico [abs], Abstracts of Papers, Ninth International Congress of Carboniferous Stratigraphy and Geology, p. 105-106, (with K.K. Kietzke).

1979, "Study of state paleontological resources, Laws 1979, Chapter 237. A proposed New Mexico Museum of Natural History to include the preservation and exhibit of fossil life forms from throughout the state", Report of the New Mexico Life History Program Advisory Committee, Office of Cultural Affairs, to the Legislative Finance Committee, 39 p., (with 7 others).

1979, "Vertebrate biostratigraphy of the Eocene Galisteo Formation, north-central New Mexico", New Mexico Geological Society Guidebook, 30th Field Conference, p. 225-229, (with S.G. Lucas).

1979, "Summary of the paleontology of the Santa Fe Group (Mio-Pliocene), north-central New Mexico", New Mexico Geological Society Guidebook, 30th Field Conference, p. 237-241, (with S.G. Lucas).

1979, "The treasures of paleontology", El Palacio v. 85, no. 4, p. 7-15, 30-33.

1979, 'Paleontology and early man', in Williams, J.L. and McAllister, P.E. (eds.), "New Mexico maps", Technology Applications Center, University of New Mexico, p. 26-27, (with L. Cordell).

- 1980, "Study of state paleontological resources, Laws 1979, Chapter 237, to propose a New Mexico Museum of Natural History to include the preservation, study, and exhibit of materials of the biological and geological sciences", Report of the New Mexico Life History Program Advisory Committee, Office of Cultural Affairs, to the 1980 legislature, 50 p. (with 9 others).
- 1980, "A fossil crab from the Mancos Shale (Upper Cretaceous) of New Mexico", IN PRESS, Journal of Paleontology, v. 54, p. 862-864, July, 1980.
- 1980, "The teeth of Alamosaurus sanjuanensis, a late Cretaceous sauropod dinosaur", IN PRESS, Journal of Paleontology, v. 54, p. 864-869, July, 1980. (with T. Lehman & J.K. Rigby, Jr.).
- 1980, "Acanthosuchus langstoni, a new crocodile from the Nacimiento Formation (Paleocene; Torrejonian) of New Mexico", IN PRESS, Journal of Paleontology, v. 54, Nov., 1980. (with F.M. O'Neill & S.G. Lucas).
- 1980, "Advances in San Juan Basin Paleontology" (book), IN PRESS, University of New Mexico Press, Oct., 1980. (edited, with S.G. Lucas & J.K. Rigby, Jr.).

Stephen G. Wells:

- "Forest-Fire Devegetation & Drainage Basin Adjustments in Mountainous Terrain" w/ W.D. White, in Adjustments of the Fluvial System, D.D. Rhodes & G.P. Williams (eds), proceedings vol. of 10th annual Geomorph Symp., Binghamton New York, Kendall/Hunt Pub. Co., p. 199-223. (Invited Paper)
- "Some Factors Influencing Quaternary Calcrete Formation and Distribution in Alluvial Fill of Arid Basins" w/ J.D. Schultz in Geol. Soc. Am. Abst. of 1979 Annual Meeting, vol. 11, no. 7, p. 538.
- 1979 Cave Research Foundation Annual Report, Co-editor with B.J. Wells (Compilation of karst-oriented research in National Parks of US) submitted to National Park Service.
- "Badland Evolution in the High-Altitude Deserts of New Mexico" w/ A.A. Gutierrez, Chapter in Badlands Geomorphology (B. Rorke, ed.), London.
- "Quaternary Evolution of Alluvial Fan Landscapes in Southwestern U.S." in Origin & Evolution of North American Deserts, proceedings of CODAZR Symposium, UNM Press.

Geomorphology & Surface Hydrology in the Strippable Coal Belts of
Northwestern New Mexico -- Applied to Landscape Reclamation,
Annual Status Report (Phase 1), 75 p.

Lee A. Woodward:

1979, Gorham, F.D., Woodward, L.A., Callender J.F., and Greer, A.R., Fractures in Cretaceous rocks from selected areas of San Juan Basin, New Mexico -- exploration implications: Am. Assoc. Petroleum Geologists Bull., v. 63, no. 4, p. 598-607.

1979, Woodward, L.A., and Timmer, R.S., Geology of Jarosa quadrangle, New Mexico: New Mex. Bur. Mines and Min. Resources Geologic Map 47 (with explanatory text).

1979, Simpson, H.E., Weir, J.W., and Woodward, L.A., Inventory of clay-rich bedrock and metamorphic derivatives in eastern Nevada, excluding the Nevada Test Site: U.S. Geological Survey Open-file Report 79-760, 147 p.

1979, R.V. Ingersoll, L.A. Woodward, and H.L. James, editors, New Mexico Geological Society Guidebook to Santa Fe Country, 310 p.

1979, L.A. Woodward, R.V. Ingersoll, D.C. Fitch, A.L. Lisenbee, B.A. Black, and A.E. Saucier, Second day road log from Santa Fe to Galisteo, Cerrillos, Madrid, Golden, Hagan, and return to Santa Fe: New Mexico Geological Society Guidebook to Santa Fe Country, p. 15-25.

1979, L.A. Woodward, R.V. Ingersoll, D.C. Fitch, and P. Hutchinson, Second day optional road log No. 1, Cerrillos turnoff on N.M. Highway 14 to Oxymin property in Cerrillos Hills: New Mexico Geological Society Guidebook to Santa Fe Country, p. 26.

1979, L.A. Woodward, R.V. Ingersoll, D.C. Fitch, and P. Hutchinson, Second day optional road log no. 2, N.M. Highway 14 to Gold Fields Mining Corporation's Ortiz mine: New Mexico Geological Society Guidebook to Santa Fe Country, p. 27-28.

1979, L.A. Woodward and R.V. Ingersoll, Phanerozoic tectonic setting of Santa Fe Country: New Mexico Geological Society Guidebook to Santa Fe Country, p. 51-57.

1979, A.L. Lisenbee, L.A. Woodward and J.R. Connolly, Tijeras-Canoncito fault system -- a major zone of recurrent movement in north-central New Mexico: New Mexico Geological Society Guidebook to Santa Fe Country, p. 89-99.

- 1979, L.A. Woodward, M.A. Parchman, D.L. Edwards and J.W. Husler, Stratigraphy and mineralization of Hell Canyon greenstone belt (Precambrian), New Mexico: New Mexico Geological Society Guidebook to Santa Fe Country, p. 189-195.
- 1980, Corbitt, L.L., and L.A. Woodward, Late Precambrian tillite, Florida Mountains, southwestern New Mexico, U.S.A.: in M.J. Hambrey and W.B. Harland (editors), Pre-Pleistocene Tillites: A Record of Earth's Glacial History: Cambridge Univ. Press.
- 1980, Connolly, J.R., and L.A. Woodward, Preliminary inventory of pre-Cenozoic clay shales and argillites of the conterminous United States: Sandia Laboratories report 79-2015, 51 p.
- 1980, L.A. Woodward, A hard look at Overthrust Belt prospects in southwest New Mexico: Oil and Gas Journal, April 21, 1980, p. 114-116.

5. OTHER RESEARCH PROJECTS OR CREATIVE WORK IN PROGRESS

Roger Y. Anderson:

Sandia Laboratories, Principal Invest., Climatic and Solution History, Northern Delaware Basin, New Mexico, 1 year, \$36,000. State of New Mexico, Environmental Evaluation Group, Consulting on WIPP Project.

Oceanographic research cruise, Research Vessel Sea Sounder, U.S. Geol. Survey, March, 1979, 28 days. Shimada Banks Expedition. Oceanographic research cruise, Research vessel Sea Sounder, U.S. Geological Survey, 1979, June, 5 days, Farlon Islands Cruise. Research associated with automated sampling of lakes in North America; Elk Lake, Minnesota; Fayetteville Green Lake New York, research trips.

Douglas G. Brookins:

Sponsored Research

Uranium Deposits of the Grants, New Mexico Mineral Belt II. \$94,700 (9-1-76 - 9/30/79), USDOE/BFEC.

Clay Mineralogy and Geochemical Studies of East Chaco Canyon Drill Core. \$68,400 (9/1/78 - 3/31/80), USDOE/BFEC.

Detailed Lithology and Petrology of East Chaco Canyon Drill Core. \$3,200. (5/1/79 - 3/31/80), USDOE/BFEC.

Rb-Sr and Related Studies of the Castile and Salado Formations, Southeastern New Mexico.

part 1: \$37,000 (1/1/77 - 9/30/78); part 2: \$47,500 (10/1/78 - 9/30/79); part 3: \$37,000 (10/16/79 - 9/30/80), Sandia Laboratories.

Theoretical Behavior of Actinides in and near Waste Canisters at the WIPP Site. \$52,261 (2/18/80 - 12/31/79), Sandia Laboratories.

Geologic Studies for Radioactive Waste Consideration. (8/76 - 11/30/79); \$75,876, Sandia Laboratories.

(note: Principal Investigator through June 30, 1979).

A Method for Quantifying Total Atmospheric Input to Ecosystems. \$57,091 (8/1/79 - 4/30/81), National Science Foundation (note: James Gosz, PI, D.G. Brookins, Assoc. Inv.).

Non-sponsored Research

Continuation of research on Oklo (natural fission reactor) with the Los Alamos Scientific Laboratory (See Item 2).

Geochemical study of the Grants Mineral Belt for application to problems of shales as radioactive waste repositories or for radioactive waste canister overpack.

Geochemical study of the Morrison Formation in the southern San Juan Basin, N.M. to assess impact of mining and other man-related activities on the environment (proposal to USEPA pending).

Study of deep drill core from Fenton Hill, N.M. as part of the Los Alamos Scientific Laboratory hot dry rock geothermal project.

Studies of Precambrian rocks and plutonic rocks of unknown age from several parts of New Mexico.

Cooperative study with the USGS on various aspects of Alaskan Geology.

Continued study of Appalachian geology with USGS and others.

Education of public on radioactive waste disposal, and related topics.

Jonathan F. Callender:

Current:

Compilation of geoscience data relating to direct-heat geothermal potential of New Mexico: N.M. Energy and Minerals Dept., #78-0493, 6/1/78 - 12/1/79, \$16,995 (with G.R. Jiracek)

Evaluation of the geothermal resource in the Albuquerque, New Mexico area: N.M. Energy and Minerals Dept., #78-2135, 7/1/18 - 3/30/80, \$76,874 (co-investigator; G.R. Jiracek, P.I.)

Pending:

Characterization of vapor-commrated Geothermal Systems by studies of a "fossil" system: U.S. Geological Survey Extramural Grant, 9/1/80 - 7/31/81, \$24,750 (with W.E. Elston).

In Preparation:

Structural and metamorphic geology of the Precambrian of north-central New Mexico: National Science Foundation, 1/1/81 - 12/31/84, approximately \$175,000. (with R. Holcombe)

Papers in preparation:

Structural geology of the Picuris Mountains, New Mexico (with R. Holcombe): for Geol. Soc. America Bulletin.

Paleo-stress environment of the Rio Grande rift, New Mexico and Colorado; for Tectonophysics.

Geology of the York Mountain area, central Coast Ranges, California: for Geol. Soc. America Bulletin.

Books in preparation:

Earth Cycles (a physical geologic textbook): Prentice-Hall, New Jersey (with R.C. Ewing)

Structural Geology, 4th Edition: Prentice-Hall, New Jersey (with M.P. Billings).

Wolfgang E. Elston

NSF Grant EAR 77-24501, Suppl. 2, "Cenozoic volcanism and extensional orogeny in the New Mexico segment of the Basin and Range province," July 1, 1979-June 30, 1980, \$50,000.

U.S. Geological Survey Extramural Geothermal Program Grant 14-08-0001-6630, "Regional assessment of intermediate-temperature geothermal resources of southwestern New Mexico", September 1, 1979-August 31, 1980, \$36,750.

New Mexico Energy and Mineral Department Grant 68R-2102, "Assessment of geothermal potential of southwestern New Mexico", January 1, 1980 to December 31, 1980, \$26,810.

NASA Grant NGR 32-004-062, Supplement 12, "Applications of volcanology to lunar and planetary geology", February 1, 1979 - January 31, 1980, \$27,000.

NSF U.S.-Australia Cooperative Science Program Grant INT 78-22550
(2AS)-16, "A comparison of styles of plate-margin volcanism
for western North America and eastern Australia", March 3,
1979-August 15, 1979, \$5,160 + air travel.

Rodney C. Ewing:

Sponsored Research:

Geologic Materials: Implications for radioactive waste disposal,
1978-1979 Battelle Pacific Northwest Laboratories:
\$40,000

Geologic Materials: Implications for radioactive waste disposal,
1979-1980, Battelle Pacific Northwest Laboratories:
\$60,000

Un-sponsored Research:

Origin and mineralogy of pegmatites, particularly the Harding
Pegmatite.

Radiation damage in crystalline materials.

Natural glasses and their long-term stability (in conjunction
with Gunter Malow of the Hahn-Meitner Institute, West
Berlin).

Modelling the long term integrity of salt repositories (in
conjunction with Werner Lutze of the Hahn-Meitner Institute,
West Berlin).

Stephen P. Huestis:

"Best Bounds on Subsurface Temperature Distributions from Heat
Flow Observations" 9/78 - 12/79, Sandia Laboratories Contract
13-2587 - Task 2, \$17,000. Final Report submitted, 12/79.

"Best Bounds on Subsurface Temperature Distributions from Heat Flow Observations (renewal)" 9/79 - 9/80, Sandia Laboratories Contract 42-7948, Task 2, \$20,000.

"Three-Dimensional Gravity Modeling of Basin Hydrologic Parameters in New Mexico" 10/79 - 3/80 U.S. Geological Survey, Water Resources Division. Co-investigator (Dr. G.R. Jiracek, Principal Investigator).

Continuation of gravity studies in New Mexico with Mark Ander - supported by Los Alamos Scientific Laboratory.

Un-sponsored research - Topographic effects on extremal temperature bounds from heat flow data.

Raymond V. Ingersoll:

Ingersoll, R.V., in prep., Petrofacies and provenance of the lower part of the Great Valley Sequence, Sacramento Valley, California: to be submitted to Journal of Geology.

Ingersoll R.V. 1980, Plate-tectonic controls of lithic compositions of sand and sandstone: 26th International Geological Congress Abstracts, in press.

Ingersoll, R.V., 1980, Initiation and evolution of the Great Valley forearc basin of northern and central California, USA: London Geological Society Special Publication, in press.

Ingersoll, R.V., 1980, Temporal changes in depositional facies in the Great Valley forearc basin of California: influence of basin evolution and tectonics: American Association of Petroleum Geologists Bulletin, v. 64, in press.

Ingersoll, R.V., Rich, E.I. and Dickinson, W.R., 1981, Guidebook for the Great Valley Sequence, northern California: Society of Economic Paleontologists and Mineralogists Annual Meeting, San Francisco, in prep.

Ingersoll R.V., 1980, Sandstone petrofacies and provenance of the Santa Fe Group and tectonic evolution of the Rio Grande rift, New Mexico: 24th Annual Report on Research Under Sponsorship of the Petroleum Research Fund, in press.

Vazzana, M.E. and Ingersoll, R.V., 1980, Stratigraphy, sedimentary petrology and basin evolution of the Abiquiu Formation (Oligo-Miocene), north-central New Mexico: Geological Society Abstracts with Programs, v. 12, in press.

Sandstone petrofacies and provenance of the Santa Fe Group and tectonic evolution of the Rio Grande rift, New Mexico, 6/1/78-8/31/80, American Chemical Society, Petroleum Research Fund, \$10,000.00.

Summer support for students working on sedimentologic-petrologic problems in the Espanola basin, New Mexico, 5/15/79-8/15/79, New Mexico Bureau of Mines and Mineral Resources, \$5,000.00.

Petrology and provenance of Neogene sand from the Indus fan, Indian Ocean (DSDP leg 23), 10/15/79-6/15/80, Research Allocations Committee, University of New Mexico, \$725.00.

Photographs for American Association of Petroleum Geologists memoir on Sedimentary Structures and Facies.

George R. Jiracek:Supported Research:

Principal investigator, National Science Foundation Grant No.

EAR-7813684, Magnetotelluric investigation over suspected magma bodies in the COCORP study area, New Mexico. \$73,411, 10/1/78-3/31/80.

Principal investigator, New Mexico Energy and Minerals Department

Grant No. 78-2135, Evaluation of the Geothermal Resource in the Albuquerque, New Mexico area. \$76,874, 7/1/78-2/29/80.

Principal investigator, New Mexico Energy Institute-Department on

Energy Subcontract No. 3104-150/78-00493-D Evaluation of the Geothermal Potential of the Truth or Consequences, New Mexico area. \$54,945, 5/1/79-12/31/79.

Principal investigator, U.S. Geological Survey Water Resources

Division, Contract No. 14-08-0001-17899, Three-dimensional gravity modeling of basin hydrologic parameters in New Mexico. \$28,061, 10/1/79-3/31/80.

Principal investigator, Department of Energy Agreement No.

DE-FC07-791D12038, Terrain effects in resistivity and magnetotelluric surveys. \$54,970, 9/28/79-9/27/80.

Principal investigator, U.S. Geological Survey Water Resources

Division, Contract No. 14-08-0001-17879, Geophysical evaluation of basin hydrologic characteristics in the central Rio Grande. \$22,683, 6/1/79-9/30/79.

Klaus Keil:

Research grant from NASA Headquarters, Washington D.C., entitled

"Mineralogy, petrology and chemistry of brecciated stone meteorites".

March 1, 1976-Feb. 28, 1979 153,490.00

Research grant from NASA L.B. Johnson Space Center, Houston,

Texas, entitled "Electron microprobe analysis of returned lunar samples".

March 1, 1976-Jan. 31, 1979 184,772.00

Research grant from NASA Langley Research Center, Hampton,

Virginia, entitled: x-ray fluorescence analysis of Martian soil via the Viking x-ray fluorescence spectrometer,

April 1, 1977-Jan. 30, 1979 36,000.00

Research grant from NASA Headquarters, Washington D.C.,

"Mineralogy, petrology and chemistry of brecciated stone meteorites".

Mar. 1, 1977-Feb. 28, 1980 153,380.00

Research grant from NASA L.B. Johnson Space Center, Houston,

Texas, entitled "Mineralogy, petrology and chemistry of breccias, mare basalts and cores".

Feb. 1, 1977-Jan. 31, 1980 185,548.00

Research grant from NASA L.B. Johnson Space Center, Houston,

Texas, entitled "Mineralogy, petrology and chemistry of breccias, mare basalts and cores".

Feb. 1, 1978 - Jan. 31, 1981 180,996.00

Research grant from NASA Headquarters, Washington D.C., entitled
 "The formation and evolution of stony meteorites".

March 1, 1978, - Feb. 28, 1981 145,597.00

Research contract with the Jet Propulsion Laboratory, Pasadena,
 California, entitled "Viking Lander Inorganic Chemical
 Analysis,"

Dec. 1, 1978 - Feb. 28, 1979 5,475.00

Research contract with Sandia Laboratories, Albuquerque, NM,
 entitled "Steam explosion experiments".

Oct. 1, 1978 - March 31, 1979 3,370.00

Research contract with Sandia Laboratories, Albuquerque, NM,
 entitled "Shale and tuff in Nevada: Potential for nuclear
 waste disposal".

Oct. 1, 1978 - Sept. 30, 1979 78,876.00

Research grant from NASA Headquarters, Washington D.C., entitled
 "The formation and evolution of stony meteorites".

March 1, 1979 - Feb. 28, 1981..... 102,390.00

Research grant from NASA Headquarters, Washington D.C., entitled
 "Chemical weathering on Mars: Theoretical and terrestrial
 analog studies of possible processes and products".

March 1, 1979 - Feb. 28, 1981 100,839.00

Research grant from NASA L.B. Johnson Space Center, Houston,
 Texas entitled "Origin and evolution of lunar crust, mare
 basalts and regolith".

Feb. 1, 1979 - Feb. 28, 1981 121,995.00

Supplement to item 13. 2,500.00

Research contract with Sandia Laboratories, Albuquerque, N.M.,
entitled "Shale and tuff in Nevada: Potential for nuclear
waste disposal".

Oct. 1 - Nov. 30, 1979 7,216.00

Research contract with Sandia Laboratories, Albuquerque, N.M.,
entitled "Shale and tuff in Nevada: Potential for nuclear
waste disposal".

Dec. 1, 1979 - Sept. 30, 1980 26,624.00

Research grant from NASA Headquarters, Washington, D.C.,
entitled "The formation and evolution of stone meteorite
parent bodies".

Mar. 1, 1980 - Feb. 28, 1981 85,741.00

Research grant from NASA L. B. Johnson Space Center, Houston,
Texas, entitled "Origin and evolution of the lunar crust and
mare basalts".

Feb. 1, 1980 - Jan. 31, 1981 99,910.00

Total grants and contracts in effect in the report period:

\$1,674,719.00

Albert M. Kudo:

Work on D.O.E. grant "Evaluation of the Geothermal Potential of
the Truth or Consequences, New Mexico, Area", for \$54,945, May
1 to Dec. 31.

Work on Scripps Institution of Oceanography Grant, "Leg 65,
Glomar Challenger Participant", for \$3,713, Feb. 5 to Mar. 13.

Work on Research Allocations Grant, \$1500, May 15 to Dec. 31.

Barry S. Kues:

- a. Book - Bibliography of New Mexico Paleontology and summary of New Mexico paleontology information (Funded by Museum of New Mexico, \$3250, May, 1979 to Jan. 1980)(with S.A. Northrop).
- b. Book - Advances in San Juan Basin Paleontology (edited, with S.G. Lucas and J. Keith Rigby, Jr.). To be published in Nov. 1980, by U.N.M. Press.
- c. Manuscript: 'A large assemblage of a new eurypterid from the Red Tanks Member, Madera Formation (Late Pennsylvanian-Early Permian) of New Mexico'. In review, Journal of Paleontology (with K.K. Kietzke).
- d. Manuscript in progress: Invertebrates from the uppermost Pennsylvanian Red Tanks Member Madera Formation in central New Mexico. Part 1. Gastropods and Scaphopods.
- e. 'Paleontology and stratigraphy of the Oketo Shale Member, Barneston Limestone (Lower Permian) of Kansas and Nebraska (Manuscript in progress).

Research Projects Completed But Not Yet Published:

- a. 'A fossil crab from the Mancos Shale (Upper Cretaceous) of New Mexico', IN PRESS, Journal of Paleontology.
- b. 'The teeth of Alamosaurus sanjuanensis, a late Cretaceous sauropod dinosaur', IN PRESS Journal of Paleontology, (with T. Lehman and J.K. Rigby).
- c. 'Acanthosuchus langstoni, a new crocodile from the Nacimiento Formation (Paleocene; Torrejonian) of New Mexico, IN PRESS, Journal of Paleontology (with M. O'Neill & S.G. Lucas).

Stephen G. Wells:Sponsored Research:

"Geomorphology and Surface Hydrology Applied to Landscape Reclamation in the Strippable Coal Belts of Northwestern New Mexico", (117-98 F) Energy Institute at NMIMT, Energy and Minerals Department, State of New Mexico; 55, 255 for Dec. 1979 thru Nov. 1980. (Phase 2)

Equipment Use Grant: permanent equipment of Pittsburgh & Midway Coal Mining Co. (subsid. of Gulf Minerals Co.) on loan for research use to S. Wells; total equipment cost = \$38,500.

New Mexico Energy Institute, Dept. of Energy; Co-Investigator w/G. Jiracek (P.I.) \$54,945; Evaluation of the Geothermal Potential of the T or C, New Mexico Area", May, 1979 - Sept., 1979.

U.S. Air Force Office of Scientific Research; \$15,553; "Properties of Caliche in Alluvial Basins", April, 1978 - May 1979.

Energy Institute at NMIMT, Energy & Mineral Department: \$30,822; "Geomorphic Processes and Land Reclamation in Watersheds of the Strippable Coal Belt, San Juan Basin, New Mexico". Oct., 1978 to August, 1979.

Un-sponsored Research:

"Quaternary Geology in the Southern Basin and Range" (in progress.

"Surficial Processes in Forest-fire Devegetated Watersheds of Bandelier National Monument, NM". (completed)

"Tectonic Geomorphology and Quaternary Geology of Taos Plateau,
NM" (in progress)

Books:

Co-author w/ R.C. Ewing & J.F. Callender, Earth Cycles;
Introducing Physical Geology Text; Prentice-Hall, Inc.

Lee A. Woodward :

Completed report on "Field examination of potential isolation
sites for nuclear waste in shale and argillite in northern Nye
County, Nevada" with J.R. Connolly, K.M. Emanuel and K. Keil
under contract #13-4004 with Sandia Laboratories to K. Keil.

Completed report on "Preliminary survey of tuff distribution in
Esmeralda, Nye, and Lincoln Counties, Nevada" with G.W. Smith,
T.S. Pink, J.R. Lawrence, K. Keil and A.R. Lappin, under
contract 07-7958 with Sandia Laboratories to Klaus Keil.

Completed report on "Preliminary inventory of pre-Cenozoic clay
shales and argillites of the continental United States" with
J.R. Connolly and K. Keil under contract with Sandia
Laboratories.

6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

Roger Y. Anderson:

Geol. Soc. America, Annual Meeting, San Diego; delivered paper on

"Dissolution of salt in the Delaware Basin by means of brine density flow."

Douglas G. Brookins:

"Geochemical Studies in the Grants Mineral Belt", talk to the Santa Fe Geological Society, Santa Fe, NM., 2/21/79.

"The East Chaco Canyon Drilling Project: Geochemistry and Petrology" talk to the Albuquerque Geological Society, Albuquerque, NM 2/6/79.

"Periods of Mineralization in the Grants Mineral Belt, New Mexico, USA", talk to the Geological Society of Canada, Vancouver, BC, Canada; 2/15/79.

Second Symposium on the Grants Mineral Belt, Albuquerque, May 13-16, 1979, sponsored by the American Association of Petroleum Geologists, the New Mexico Bureau of Mines and Mineral Resources, and the south-central section of the American Institute of Mining Engineers (note: papers from oral presentations to be published as NMBMMR Memoir 38). The following papers were given (name of speaker underlined).

"Periods of Mineralization in the Grants Mineral Belt, N.M."

(D.G. Brookins)

"The Mineralogy and Geochemistry of the Mariano Lake Uranium District:" (J.T. Place, R.S. Della Valle, D.G. Brookins)

"Scanning Electron Microscope Investigation of the Paragenesis of Uranium Deposits of the Grants Mineral Belt, N.M." (W.C. Riese, D.G. Brookins, R.S. Della Valle)

"The Mount Taylor Uranium Deposit" (W.C. Riese, D. G. Brookins)

"Mechanism for Uranium Deposition in the Grants Mineral Belt: (D.G. Brookins)

"Petrography and Geochemistry of the Westwater Canyon Member, Morrison Formation, northern San Juan Basin: Similarities and Differences with the Grants Mineral Belt: (R.T. Hicks, R.M. Lowy, D.G. Brookins, R.S. Della Valle)

"Geochemical Studies of the Grants Mineral Belt, N.M." (R.S. Della Valle, D.G. Brookins)

American Association of Petroleum Geologists - Rocky Mountain Section, annual meeting, June 5-9, 1979, Casper Wyoming:

"The Less Common Trace Elements in Sandstone Type Uranium Deposits" (D.G. Brookins)

"The Mount Taylor Uranium Deposit: A Description and Comparison with Wyoming Roll-Fronts" (W.C. Riese and D.G. Brookins)

Geological Society of America, Cordilleran Section, annual meeting, May 1979:

"Cataclastic Granitic Rocks in the Central Brooks Range, Alaska: (S.W. Nelson, D. Grybeck, M.L. Silberman, D.G. Brookins)

Geological Society of America, annual meeting, San Diego, CA,
Nov. 7-9, 1979:

"Trace Element Exploration Geochemistry of Uranium Occurrences in the San Juan Basin, Southwestern United States"
(D.G. Brookins, R.S. Della Valle, J.P. Balagna)

American Nuclear Society, annual Winter meeting, San Francisco,
CA, Nov. 13-15, 1979:

Invited Paper: "Nature of, and Exploration For, Uranium in Sandstone Deposits in the United States: an Educational Module" (D.G. Brookins)

Second International Symposium on the Scientific Basis for Nuclear Waste Management, sponsored by the Materials Research Society, Nov. 25-30, 1979:

"Long Term Stability of Evaporite Minerals: Geochronological Evidence" (D.G. Brookins, J.K. Register, M.E. Register, S.J. Lambert)

"Clay Mineral - Brine Interactions During Evaporite Formation: Lanthanide Distribution in WIPP Samples" (J.K. Register, D.G. Brookins, M.E. Register, S.J. Lambert).

"Clay Minerals Suitable for Overpack in Radioactive Waste Repositories: Evidence from Uranium Deposits" (D.G. Brookins)

Chaired Session on: "Nuclear Waste-processing, Radionuclide Transport and Geologic Interactions"

Named Educational Coordinator for Symposium (review paper to be written for Jour. of Educational Modules for Materials Science and Engineering.

Society of Mining Engineers of AIME, Las Vegas, NV: February, 1980.

AAAS-SWARM annual meeting, Las Vegas, NV: April, 1980.

"Geochemistry of the Grants Mineral Belt, NM" (invited colloquium speaker, G-7, LASL; January, 1980)

"Application of 25° and 200°C, 1 Bar Eh-pH Diagrams to Radionuclide Migration at Oklo" (invited colloquium speaker, CNC-11, LASL, January, 1980)

"Some Aspects of Uranium Geology and Production, Grants Mineral Belt" SME-UNM Student Chapter: open house, May, 1980)

Associate Editor for Symposium Volume (Plenum Press).

New Mexico Institute of Chemists:

Councillor, 1978-80

Honor Scroll Committee, 1978-79

Continuation of Certification as a Professional Chemist by the Amer. Inst. Chemists (April, 1980).

Jonathan F. Callender:

Meetings attended: NATO advanced Study Institute; New Mexico Geological Society Fall conference.

Papers read: Geologic questions relating to nuclear waste disposal at Gorleben, F.R. Germany. (given at Hannover, West Germany and Princeton University).

Structural Evolution of the Rio Grande rift. (given at University of Karlsruhe, West Germany, and Princeton University)

Other professional activities:

Managing Editor, New Mexico Geol. Society.

Past-President and Treasurer, UNM Chapter Sigma Xi

Project Correspondent, U.S. Geodynamics Committee

Visiting Staff Scientist, Los Alamos Scientific Laboratory

Reviewer, Geol. Soc. America Bulletin and Geology

Wolfgang E. Elston:

Attended 49th Congress of Australia-New Zealand Association for the Advancement of Science, Auckland, New Zealand, January 23 to 27, 1979, read paper on "Tectonic evolution and economic resources of the Cenozoic ignimbrite province, Southwestern North America"; attended geologic field trips to Auckland volcanoes, Waitakere Ranges, and Tongariro National Park.

Read invited paper on "Volcanoes of New Mexico, U.S.A." to joint meeting of the Royal Society of Queensland and the Geological Society of Australia (Queensland Division), Brisbane, Queensland, June 4, 1979.

Attended NASA Planetary Geology Principal Investigators Conference, Tempe, Arizona, Jan. 14-17, 1980. Read paper "Are calc-alkalic volcanic rocks unique to Earth?"

Attended Annual Meeting, Southwest Section, American Association

of Petroleum Geologists, El Paso, Texas, February 25 to 26, 1980, and field trip to West Texas (February 22 to 24) and Chihuahua (February 26 to 29). Read paper on "Tertiary volcanic centers as constraints on oil and gas potential of the Basin and Range province: The New Mexico segment of the Pedregosa Basin", (co-authors: E.G. Deal, E.E. Erb).

Speaker, Albuquerque Geological Society, March 4, 1980, "Mid-Tertiary volcanic rocks of southwestern New Mexico and their economic resources".

Rodney C. Ewing:

New Mexico Geological Society, Treasurer (1979); Vice-president (1980).

Mineralogical Society of America, Associate Editor for The American Mineralogist, 1979-1983.

Albuquerque Gem and Mineral Club: Co-convener of New Mexico Minerals Symposium, UNM, Sept. 29-30, 1979; Scholarship Committee, 1979-80.

Papers Read:

"Metamict State: Radiation Damage in Crystalline Materials", International Symposium on Ceramics in Nuclear Waste Management sponsored by the Nuclear Division of the American Ceramic Society, Cincinnati, Ohio, April 30 - May 2.

"The Metamict State" Radiation Damage in Crystalline Materials", Seminar at Hahn-Meitner Institute, Berlin, W. Germany, June 11.

"Natural Glasses: Analogues for Radioactive Waste Forms?" Seminar

at Hahn-Meitner Institute, Berlin, W. Germany, June 14.

"Radioactive Waste Disposal in West Germany", Geology Department Seminar, September 13.

"Mineralogy and Geology of the Harding Pegmatite" New Mexico Minerals Symposium, September 29.

"Radioactive Waste-Form and Rock Interactions: A Discussion" invited presentation at annual meeting of the American Nuclear Society, San Francisco, Nov. 7.

"Uranium & Thorium Minerals: Natural Analogues for Crystalline Radioactive Waste Forms" annual meeting of the Materials Research Society, Boston, Nov. 27.

"Radioactive Waste Disposal: A Summary of Major Areas of Research" invited presentation to the Nuclear Technology Study Group of the National Bureau of Standards, Gaithersburg, Maryland, Dec. 3, 1979.

"Radioactive Waste Forms: The Use of Natural Analogues to Predict Their Long-Term Stability" UNM Society of Sigma Xi, Feb. 14, 1980.

Stephen P. Huestis:

Paper delivered at Fall, 1979 Meeting of American Geophysical Union, Dec. 3 - Dec. 7 "Constraints on the Thermal Structure of the Rio Grande Rift."

Secretary - Albuquerque Geological Society.

Raymond V. Ingersoll:

Attended Geological Society of America, Cordilleran Section meeting, San Jose, California.

Read professional paper at Geological Society of America,
Cordilleran Section meeting, San Jose, California.

Invited key speaker, Geological Society of America, Penrose
Conference, Gregson, Montana.

Attended 30th annual fieldtrip of the New Mexico Geological
Society to Santa Fe Country.

Attended Geological Society of America annual meeting, San Diego,
California.

Read Professional paper at Geological Society of America annual
meeting, San Diego, California.

Attended fieldtrip at Geological Society of America annual
meeting, San Diego California.

Chairperson, Technical Session: Tectonics I, Geological Society
of America Annual meeting, San Diego, California.

Editor, New Mexico Geological Society Guidebook 30 (Santa Fe
Country).

Editor, New Mexico Geological Society Special Publication 8
(Archaeology and history of Santa Fe country).

Serving on New Mexico Geological Society Scholarship Committee.

Attended Lunar and Planetary Institute workshop on Rio Grande
Rift, Houston, Texas, April 21-22.

Read professional paper and attended technical sessions, Geo-
logical Society of America, Rocky Mountain Section annual
meeting, Ogden, Utah.

Read professional paper and attended technical sessions, American

Association of Petroleum Geologists and society of Economic Paleontologists and Mineralogists annual meeting, Denver, Colorado.

Read professional paper and attended International Symposium on Trench and fore-arc sedimentation and tectonics in modern and ancient subduction zones (London Geological Society), London, England.

George R. Jiracek:

Society of Exploration Geophysicists Geothermal Committee Member.
Southwestern Regional Geothermal Development Operations Research,
State of New Mexico Advisory Team Member.

American Geophysical Union Annual Spring Meeting, Washington, D.C. Attended meeting and presented paper "Geoelectric Sounding into the Upper Mantle of Major Continental Rift Zones", May 28-June 1, 1979.

Geothermal Resources Council Annual Meeting, Reno, Nevada.
Attended meeting, September 24-27, 1979.

Society of Exploration Geophysicists Annual Meeting, New Orleans, Louisiana. Attended meeting, co-chaired Geothermal Session, and co-presented paper "Geophysical Evaluation of the Las Alturas Estates New Mexico Geothermal Prospect", November 4-8, 1979.

U.S. Geological Survey Workshop on Research in Magnetotellurics: Implications of Electrical Investigation for Geothermal Exploration, Saint Helena, California. Attended workshop and

presented paper, "Topographic Modeling in Magnetotellurics Using a Modified Rayleigh Technique", Feb. 20-22, 1980.

National Aeronautics and Space Administration Workshop on the Rio Grande Rift, Houston, Texas. Attended workshop and presented paper "New Gravity and Magnetotelluric Studies in the Rio Grande Rift", Apr. 21-22, 1980.

Department of Energy progress report meeting, Univ. of Utah, Salt Lake City, Utah. Co-presented report "Terrain Effects in Resistivity and Magnetotelluric Surveys", Apr. 29, 1980.

Klaus Keil:

Secretary, Commission on Cosmic Mineralogy, International Mineralogical Association.

Member, Search Committee for Editor, Geophysical Research Letters, American Geophysical Union.

Chairman, Publications Committee, Geochemical Society and Meteoritical Society.

Albert M. Kudo:

Attended American Geophysical Union Annual Meeting in Washington, D.C.

Attended 30th Annual Field Conference in Santa Fe, NM, of NM Geological Society.

Barry S. Kues:

Presented a paper to International Carboniferous Congress, May, 1979, at its 9th meeting.

Stephen G. Wells:

Annual Geol. Soc. of America Meeting; Nov. 5-8; San Diego, CA.

10th Annual Geomorphology Symposium; Sept. 21-22 Binghamton, NY

New Mexico Geological Society Annual Field Trip to Santa Fe
Country; Oct., 1979

Committee on Desert and Arid Zones Research Symposium at 56th
Annual Meeting of SWARM Div. of AAAS; April 10-11, 1980, Las
Vegas, Nevada.

Chief Scientist for non-profit organization, Cave Research
Foundation (in charge of annual fellowships, science liason
with National Park Service).

Chaired Geomorphology Session at 1979 Annual Geol. Soc. Am.
Meeting in San Diego, CA.

Chaired and arranged CODAZR Symposium entitled: The Origin and
Evolution of North American Deserts at 56th Annual SWARM Div.
AAAS Meeting in Las Vegas, Nevada.

"Forest-Fire Devegetation and Drainage Basin Adjustments in
Mountainous Terrain" w/ W.D. White, paper presented at 10th
Annual Geomorphology Symposium, Binghamton, N.Y.

"Some Factors Influencing Quaternary Calcrete Formation and
Distribution in Alluvial Fill of Arid Basins" w/ J.D. Schultz
at Annual Geol. Soc. Am. Meeting in San Diego, CA

"Desert Fluvial Systems and Alluvial Fan Evolution" paper
presented at CODAZR Symposium in Las Vegas, Nevada.

Lee A. Woodward:

Attended annual field conference of New Mexico Geological Society.

Served on membership committee of Geological Society of America.

Associate Editor, New Mexico Geological Society.

Associate Editor, Geological Society of America Bulletin.

7. OTHER PROFESSIONAL ACTIVITIES

Roger Y. Anderson:

Nov. 1, 79; Univ. Minnesota, Dept. Geology Seminar; talk on
Nuclear Waste Disposal in N.M.

Review of manuscripts for publication for: Limnology and
Oceanography (Journal). Journal Fisheries Research Board,
Canada.

Attended review meetings, Santa Fe, State Environmental Eval.
Group on WIPP.

Douglas G. Brookins:

Talks given:

"The Significance of the Oklo Uranium Deposit to Problems of
Radioactive Waste Repositories in Geomedia", invited lecture
to the University of British Columbia Geology Department,
2/14/79.

"Argillaceous Rocks as Possible Radioactive Waste Repository
Sites", invited lecture to the Lawrence Livermore Labora-
tories (co-sponsored by the U.S. Nuclear Regulatory Commis-
sion), 4/12/79.

"Geological Aspects of Sites for Radioactive Waste Disposal",
talk to the East Mesa Civitan Club, Albuquerque, NM;
8/22/79.

"Uranium Resources", invited talk as part of the Univ. New Mexico
Institute for Applied Research Services, 1979 Workshop on
Energy for Secondary School Teachers, 7/31/79.

"Uranium Deposits of the Grants Mineral Belt, New Mexico", talk to the Shrine Caravan Club, Albuquerque, N.M. 8/27/79.

"Oklo and Radioactive Waste", invited colloquium to the Lawrence Berkeley Laboratories, 9/22/79.

"Geochemical Studies of the WIPP Site, Southeastern New Mexico", invited colloquium to the Lawrence Berkeley Laboratories, 9/22/79.

"Uranium Minerals and Mineralogy of the Grants Mineral Belt", symposium on mineralogy co-sponsored by UNM-Geology, the Albuquerque Gem and Mineral Club, and the Albuquerque Chapter of Friends of Mineralogy, 9/29/79.

"Geologic Aspects of Radioactive Waste Disposal" (Caravan Shriners Club, May 19, 1980).

Talks on earth science and chemistry to Manzano Day School and Sandia Preparatory School.

Visiting Staff Member, Los Alamos Scientific Laboratory (Group CNC-11 and Group G-9).

Working group on radionuclides in the environment, Lawrence Berkeley Laboratories.

Invited participant, third working group on Waste Isolation Studies, Battelle Northwest Laboratories, Oct. 14-17, 1979.

Workshop on Oklo and Uranium Deposits, LASL, Oct., Nov., 1979.

Reviewed papers for N.M. Bur. Mines Min. Res. (Grants Uranium Symposium); Amer. Jour. Sci., Geology, Materials Res. Soc., (Second International Sym. Scientific Basis for Nuclear

Waste Management, Vol. II -- to be published by Plenum Press in 1980).

Reviewer of proposals for the National Science Foundation, the Research Corporation, the American Chemical Society - Petroleum Fund, the U.S. Department of Energy.

Jonathan F. Callender:

Lecture series at Princeton University.

Signed Structural Geology textbook with Prentice-Hall; Earth sciences reviewer, Prentice-Hall.

Radio, TV, magazine and newspaper interviews concerning nuclear waste management (both national and international).

Met with Chancellor Helmut Schmidt, F.R.G., to discuss nuclear waste management.

Lecture on geologic environment of Albuquerque area for Bureau of Land Management.

Taught "Geology of New Mexico" UNM Comm. College.

Invited reviewer, State of New Mexico, Environmental Evaluation Group (for WIPP).

Consultant to Sandia Laboratories; Los Alamos Scientific Laboratories; State of Lower Saxony, West Germany; Mitlag Verwaltungsgesellschaft MBH; California Energy Commission; and State of New Mexico Environmental Evaluation Group.

Lectures at University of Michigan (Turner Distinguished Lecturer), Indiana University and Stanford University [nuclear waste disposal and Rio Grande Rift].

Lecture: Structural problems at the WIPP site, New Mexico: New Mexico Environmental Evaluation Group, Symposium on Geotechnical considerations for Radiological Hazard Assessment of WIPP, in Report EEG-6.

Lecture: Geology of New Mexico: Rio Grande High School, Los Lunas Middle School, Albuquerque Gem & Mineral Club.

TV Interview, Dutch Television Network "Nuclear waste disposal in West Germany.

Wolfgang E. Elston

Off-campus lectures on "Cenozoic volcanism and tectonism of the Basin and Range province, Southwestern North America" unless otherwise indicated:

February 27, Otago University, Dunedin, New Zealand

March 2, Canterbury University, Christchurch, New Zealand

March 5, Victoria University, Wellington, New Zealand

March 8, University of Auckland, New Zealand

March 27, Macquarie University, Sydney, New South Wales

March 28, University of Sydney, Sydney, New South Wales

April 2, La Trobe University, Melbourne, Victoria

April 3, Monash University, Melbourne, Victoria

April 4, University of Melbourne, Melbourne, Victoria

April 11, South Australia Bureau of Mines and Energy, Adelaide, South Australia (1) "Cenozoic volcanism and tectonism of the Basin and Range province, southwestern North America," (2) "Ignimbrite calderas of southwestern New Mexico - guides to exploration for metals, petroleum, and geothermal energy".

April 18, Research School of Earth Sciences, Australian National University, Canberra, Federal Capital Territory

April 27, University of New England, Armidale, New South Wales.

Other activities:

Geologic field trips and/or discussion with students and staff of Canterbury University (Feb. 17), Otago University (Feb. 26), Macquarie university (March 26-27, Apr. 22-24), Melbourne Museum (Apr. 1), University of Melbourne (Apr. 6-7), Australian National University (Apr. 18-19), University of New England (Apr. 28, May 29 - June 2).

Geologic field work with Geological Survey of Queensland near Gayndah, Queensland (May 15-18).

Discussions and petrographic examinations with members of the South Australia Bureau of Mines and Energy (Apr. 9), Western Mining Co., Ltd. (Apr. 10), Australian Bureau of Mineral Resources, Canberra (April 18-19).

Tour of North Broken Hill mine (Apr. 12).

Visits to Great Barrier Reef near Shute Harbour, Queensland, May 20-24.

Invited guest, Heron Island Research Station, Great Barrier Reef (June 22-27).

Reviewed proposals for NSF, NASA and Los Alamos Scientific Laboratory.

Reviewed manuscripts for Geological Society of America.

Consultant on mining properties.

Speaker, Albuquerque Science Fiction Society, Feb. 15, 1980,

"Exploration of the Moon and planets: Is truth stranger than fiction?"

Rodney C. Ewing:

Consultant: Sandia Laboratories

Battelle PNL Laboratories

Wadsworth Publishing,

Prentice Hall, Inc.

United Technologies, Inc.

U.S. Department of Energy

U.S. Department of Energy Peer Review Panel on Nuclear Waste
Forms, Atlanta Georgia, May 7-9.

Participant, State of New Mexico Environmental Evaluation Group.

WIPP site, Jan. 5-6.

Raymond V. Ingersoll:

Spent day at Los Alamos Scientific Laboratory; gave talk.

Spent 3 days at New Mexico Bureau of Mines and Mineral Resources,
Socorro.

Spent 3 days at Stanford University, Stanford, California; gave
talk.

Spent 3 days at Massachusetts Institute of Technology, Cambridge,
Massachusetts; gave talk.

Reviewed grant proposal for the National Science Foundation.

Reviewed Manuscript for the Journal of Geology.

Reviewed two manuscripts for W.H. Freeman and Co.

Reviewed manuscript for Geology.

Reviewed text for Burgess Publishing Co.

Reviewed text for Prentice-Hall.

Reviewed manuscript for Journal of Sedimentary Petrology.

Reviewed text for W. H. Freeman and Co.

George R. Jiracek:

Consultant, Sandia Laboratories, Energy Resources Exploration,
and U.S. Geological Survey.

Reviewed proposals for National Science Foundation and Department
of Energy.

Reviewed papers for Geological Society of America Bulletin and
Geophysics Journal.

Presented talk, "Volcanoes, Geothermal Earthquakes and Antarc-
tica", at Valley High School, January 16, 1979.

Presented talk, "Geothermal Potential and Recent Earthquake
Activity in the Albuquerque Area", to Albuquerque Senior
Citizens Rock Hound Club, March 1, 1979.

Presented talk, "Geothermal Energy" to Coronado Kiwanis Club,
April 3, 1979.

Presented two lectures to Geothermal Engineering course,
September, 1979.

Presented talk, "Geothermal in the Albuquerque Area", to
Albuquerque Rock Hounds, October 2, 1979.

Presented talk, "Earthquakes, Volcanoes, and Geothermal", to
Chelwood School, October 4, 1979.

Taped interview, "Albuquerque's Geothermal Prospects", KUNM radio, November 2, 1979.

Presented lecture to Petroleum Geology course, November, 1979.

Interviewed by University of New Mexico Daily Lobo for newspaper article "Geothermal heated UNM possible", Jan. 24, 1980.

Invited statement to Sandia Laboratories geothermal organization meeting, Hilton Inn, Albuquerque, Feb. 5, 1980.

Invited participant in Univ. of Albuquerque geothermal planning meeting, Feb. 8, 1980.

Presented talk, "Geothermal Energy", to Sierra Club, Santa Fe, New Mexico, Feb. 26, 1980.

Presented lecture to "Earth Resources and Man" course, March, 1980.

Presented lecture to "Environmental Geology" course, Apr., 1980.

Klaus Keil:

Consultant, Sandia Laboratories, Albuquerque, NM.

Reviewed six (6) lunar sample proposals submitted to NASA for funding.

Reviewed eight (8) scientific papers submitted for publication to the American Mineralogist; Earth & Planetary Science Letters; Geochimica et Cosmochimica Acta; Meteoritics; and Science.

Several interviews with Lobo, Tribune and Albuquerque Journal regarding space research in the Institute of Meteoritics.

Leader of the consortium study of Lunar Rock 67435 (Pink Spinel Troctolite).

Served as organizer for a session on Antarctic Meteorites to be held at the forthcoming (1980) Lunar and Planetary Science Conference.

Presented talk on "Viking: The scientific exploration of Mars", at a faculty colloquium for Presidential Scholars, University of New Mexico, Albuquerque, NM April 4, 1979.

TV interview with Mary Ingersoll on Voyager: Exploration of Jupiter and its Moons, April 27, 1979.

Served on Program Committee for the 11th Lunar and Planetary Science Conference, Houston, Texas.

Hosted 21 Club Meeting, Albuquerque, NM

Presented talk on "Jupiter and its moons: Results of the Voyager missions", to Dr. J. Callender's 100 class, UNM, Mar. 12, 1980.

Hosted Annual Meetingnn of the Southwest Probe Users Group, Albuquerque, NM, Apr. 15, 1980.

Hosted and organized visits by the following scientists to UNM, most of which presented seminars:

- a) Dr. Gary Dixon, U.S. Geological Survey, Denver, CO, Jan. 3, 1979.
- b) Dr. Celso B. Gomes, Institute of Geosciences, University of Sao Paulo, Sao Paulo, Brazil, Jan. 27 - Feb. 23, 1979.
- c) Mr. Dave Nealey, U. S. Geological Survey, Flagstaff, Arizona, Feb. 5, 1979.
- d) Dr. Carl Allen, Dept. of Planetary Sciences, University of Arizona, Tucson, Arizona, March 26, 1979.

- e) Dr. John Heyse, Wyoming Mineral Exploration Comp., Denver, Colorado, May 14-15, 1979.
- f) Mr. Gene Jarosewich, Smithsonian Institution, Washington, D.C. June 11, 1979.
- g) Dr. Aviva Brecher, Dept. of Earth and Planet. Sciences, MIT, Boston, Mass., June 14, 1979.
- h) Dr. R. V. Fodor, Dept. of Geology, North Carolina State University, Raleigh, N.C., July 7 - August 10, 1979.
- i) Dr. Robert Floran, Oak Ridge National Laboratory, Oak Ridge, Tennessee, Sept. 19, 1979.
- j) Thirty (30) German geology students, from the Technical University, Aachen, West Germany, Sept. 24, 1979.
- k) Dr. J. F. Kerridge, Institute of Geophysics and Planetary Physics, University of California, Los Angeles, California, Oct. 15, 1979.
- l) Dr. Ed Scott, Dept. of Terrestrial Magnetism, Carnegie Institution, Washington, D.C., Oct. 25-26, 1979.
- m) Dr. A. A. Levinson, Dept. of Geology, University of Calgary, Calgary, Canada, Nov. 12, 1979.
- n) Mr. Bruce Furst, Cal. State Northridge, Nov. 14, 1979.
- o) Prof. Sam Epstein, Div. of Geological Sciences, California Institute of Technology, Pasadena, California, Nov. 25-26, 1979.
- p) Mr. Richard Schultz, NASA L. B. Johnson Space Center, Houston, Texas, Dec. 10, 1979.

Albert M. Kudo:

Taught Ore Deposits and Geochemistry Course (two sessions) of Geoscience Course at Sandia Laboratories April 23, 30.

Reviewed proposal for NSF.

Reviewed two papers (1 for J. Geol., 1 for GSA).

Barry S. Kues:

Jan. 10 Testified on paleontology of northwestern New Mexico to New Mexico Surface Mining Commission.

Jan. 18 Talk to Paloduro Rockhound Club on fossils of the Santa Fe area.

Feb. 3 Spoke to a meeting called by New Mexico State Senator John Irick, regarding proposed legislation to protect fossils.

Feb. 9 Talk to Armijo Elementary School on fossils of N.M.

Feb. 13 Talk on fossils of N.M. to New Mexico Senate Conservation Committee.

Feb. 20 Talk to Santa Fe Chapter, Sierra Club, on fossils of northwestern New Mexico.

Feb.-Mar. Identified fossils from near Taos N.M., for M. Casey, doctoral student at the Univ. of Texas.

Mar. 14-17 Traveled to northwestern N.M.; consulted in the field with Brigham Young University scientists who were beginning paleontological study there.

Mar. 22 Meeting with Director of Museum of New Mexico and other state officials regarding N.M.'s paleontology program for this year.

Mar. 26 Talk to Albuquerque Gem and Mineral Club on invertebrate fossils of New Mexico.

Apr. 3 Talk to Rio Rancho Rockhound Club on fossils of the Bisti, N.M. area.

Apr. 10 Consulted with paleontologists from Museum of Northern Arizona relative to fieldwork and exhibition of N.M. fossils scheduled for this year.

Apr. 29 Consulted with Museum of Northern Arizona paleontologists regarding excavation of dinosaur skeleton from northwestern N.M.

May 8 Talk to Kirtland Air Force Base Officers Wives Club on fossils of New Mexico.

May 16-25 Attended International Carboniferous Congress in Urbana, Illinois, and presented a paper.

May 18 Selected by Governor of New Mexico to be a member of the N.M. Life History Program Advisory Committee.

May 26-27 Travel to Indiana University, consulted with geologists there regarding mutual projects.

June 27 Talk to Los Alamos Archaeological Society on fossils of N.M.

July 9 Talk to Cochiti Rock and Mineral Club on fossils of N.M.

July 20 Talk at Esperanza Branch, Albuquerque Public Library, on dinosaurs.

July 28 Talk at Main Branch, Albuquerque Public Library, on dinosaurs.

Aug. 1 Radio interview on N.M. fossils with Linda Sparber, KOB; played Aug. 25 on 'New Mexico Heritage' program.

Aug. 6 Taped T.V. program (questions and answers) about N.M. fossils, KBIM-Roswell.

Talked to personnel of Roswell Museum and Chaves Co. historical society on plans for a New Mexico State Natural History Museum.

Taped interview, KRSY radio, Roswell.

Aug.-Sept. Provided information and advice to N.M. Attorney General's Office (Fred Smith) concerning prosecution of an archaeological pot-hunter.

Sept. Identified New Mexico fossils for Inter-Mountain Research.

Sept. Provided information on paleontology of northwestern N.M. to John Kelly representing National Indian Youth Council.

Sept. 10 Participated in a slide presentation on New Mexico fossil to the N.M. Legislative Finance Committee.

Sept. 13 Talk to Palo Duro Rockhound Club on New Mexico fossils.

Sept. 21-22 Traveled to Museum of Northern Arizona, Flagstaff, to consult about New Mexico paleontological display.

October 1 Talk to U.N.M. Dept. of Geography Land Use Symposium, on fossils of the Bisti Badlands area.

October 14 Talk to Albuquerque Archeological Society, on New Mexico paleontology: past and future.

October 16 Talk to 2 anthropology honors classes, Manzano High School, on the history of life.

October 23 Talk to gifted student class Chelwood Elementary School, on dinosaurs.

November Reviewed part of a new paleontology textbook manuscript for Prentice-Hall Co.

December 19 Taped radio interview, KUNM, on the proposed state natural history museum.

(various dates) Contributed 5 essays on New Mexico paleontology to 'The New Mexico Independent', a weekly Albuquerque newspaper. Essays published in Feb. 2, March 16, May 4, June 22 and Aug. 17 issues.

Jan. 7 Talk on New Mexico fossils to Museum of Albuquerque docents.

Jan. 22 Talk to New Mexico Senate Conservation Committee on New Mexico fossils and function of proposed state natural history museum.

Jan. 28-29 Testified as an expert witness at a hearing concerning National Indian Youth Council's suit against the U.S. Dept. of Interior.

Jan. 31 Talk on Vertebrate Paleontology of New Mexico to Geology Dept. colloquium.

Feb. 11 & 21 Taped 3 radio interviews for KOB radio's 'New Mexico Heritage' program, on New Mexico geology and paleontology (interviews broadcast on Feb. 17, 24, & March 2).

Feb. 13 Advised New Mexico legislators on Natural History Museum bill being considered.

March 4 Advised Albuquerque Museum on their exhibit of fossils, to be established in June, and the accompanying brochure.

March 8 Talk at awards banquet, Four-Corners Area Expo and Science Fair, Gallup.

March 14 Talk on dinosaurs to Armijo Elementary School class.

April 25 Talk on Sandia Mountains geology and paleontology to YWCA, at their field station in Tijeras Canyon.

May 3 Talk at Geology Dept. public open house, on vertebrate paleontology of New Mexico.

May 12 Testified before Albuquerque City Council on need for a natural history museum.

Stephen G. Wells:

T.V. interview concerning Groundwater Discharge Plans for Uranium Mill Tailings (May, 1979), KGGM, Channel 13.

Consultant to Energy Resources, Inc. as aerial photographic interpretation of potential mineral resources in Central New Mexico Pueblo lands.

Consultant to Environmental Improvement Division, Department of Health, State of New Mexico; analysis of groundwater discharge plan for uranium mill.

Consultant to State Engineer's Office of New Mexico, Interpretation of surface features on Tesuque Pueblo for surface water rights litigation.

Reviewed manuscript of text on Groundwater Hydrology for Merrill Pub. Co.

Reviewer for GSA Bulletin article.

Prepared Laboratory Manual for Geomorphology (481L) class.

Reviewed manuscripts (2) for Geology, published by Geological Society of America.

Radio interview concerning stable location of uranium mill tailings (Jan. 1980), KUNM.

Lee A. Woodward:

Reviewed proposals for National Science Foundation.

Member of Advisory Board for New Mexico Energy Institute at New Mexico Tech.

8. NON-TEACHING UNIVERSITY SERVICE

Roger Y. Anderson

Chairperson, Univ. Committee on Paleoecology

Member, A & S advancement committee

Douglas G. Brookins:

UNM Search Committee for director of N.M. Energy Institute-UNM.

Geology Search Committee for Isotope Geochemist

Chairman, Geology Dept., to June 30, 1979

Supervisor for four Ph.D. candidates/aspirants

Member, supervisory committee, four Ph.D. candidates

Reader for four Ph.D. dissertations

Supervisor/Advisor for nine M.S. candidates/aspirants

Member, supervisory committee, for eight M.S. candidates

Reader for four M.S. theses

Supervisor, one senior honors thesis

ex officio member of all Departmental Committees while Chairman,
to June 30, 1979

Conducted briefing on the WIPP Site for the Honorable Pete V.

Domenici, U.S. Senator (R-NM), Jan, 1979.

Search Committee for Visiting Distinguished Professor of
Petroleum Geology

UNM: Search Committee for Director of UNM-NMEI Director

USDOE/EGG--Low Level Waste Management Review Committee

BNWL-- Material Characterization Center: Workshop on Leaching of
Radioactive Waste Forms

UNM - Geology: Search Committee for Isotope Geochemist

Jonathan F. Callender:

Appointed Assistant Chair, Geology Dept.

Chairman, Geology undergraduate curriculum committee

Chairman, Overhead and Research Budget Review subcommittee of

Research Policy Committee

Member, Comptroller's committee to evaluate A-21

Member, BRSG/SURP review committee

Member, Geology faculty search committee

Supervisor, Geology reading room, thin section laboratory, map
room, drafting facility

Member, Basic Skills faculty planning group

Lecturer, College Enrichment Program

Undergraduate and graduate advisor

M.S. and Ph.D. thesis advisor and chairman

Reader and examiner, Ph.D. committee, Princeton University

Wolfgang E. Elston:

Member of departmental Admissions Committee

Search Committee for metamorphic petrologist/clay mineralogist,

Sem. I, 1979-80

Chairman of 3 Ph.D. and 8 M.S. committees

Advised numerous mining, oil, and geothermal companies and
government agencies on geology and mineral resources of
southwestern New Mexico.

Faculty advisor, UNM student chapter of Society of Mining
Engineers of AIME.

Participated in telephone calling campaign for high school seniors, Feb. 13, 1980.

Attended meeting on development of direct-application of geothermal energy, with officials of U.S. Department of Energy, and New Mexico Energy and Minerals Department, Santa Fe, Feb. 12, 1980.

Rodney C. Ewing:

Chairman, Department of Geology, July 1 - present

Research Policy Committee, 1978-1979

Overhead & Budget Subcommittee of the RPC, 1978-1979

Faculty Senate, 1978-1980

Senate Committee on Research Policies and Resources, 1978-1979

College of Arts & Sciences Graduate Committee, Fall, 1979

Senate Long-Range Planning Committee, 1979-1980

A-21 Implementation Committee, 1979-1980

A&S Review of TA's and GA's Committee, 1979-1980

Department of Geology Committees:

Graduate Committee

Admissions and Financial Aid

Mineralogist/Petrologist Search Committee

Stable Isotope Geochemist Search Committee

Examinations Committee

Office of School Relations Recruitment Calling Campaign (Presidential Recognition Award)

Work Opportunity Research Program Enrollee Supervisor
(Certificate of Appreciation)

Administration of the Harding Pegmatite Mine property from 1975 to present. The work has involved the direction and publication of research on the pegmatite as well as numerous presentations before local groups. In addition to museum displays on the Harding pegmatite, a collection of research materials has been incorporated into the University collections.

Supervision of x-ray laboratory facilities.

Raymond V. Ingersoll:

Member, Geology Department Graduate Curriculum Committee.

Member, Geology Department Field Exam Committee.

Member, Geology Department, Isotope Geologist Search Committee.

Chairperson, Geology Department, Scholarship Committee.

Member, 13 thesis and dissertation committees.

Chairperson, 6 thesis committees.

Graduate and undergraduate advisor.

George R. Jiracek:

Major advisor to four M.S. and two Ph.D. students.

Member, Graduate Admissions Committee.

Klaus Keil:

Administration of Institute of Meteoritics and its collections.

Chairman and member of several thesis and dissertation committees in the Department of Geology.

Member of the A & S Committee on Academic Programs.

Presented talk to prospective new UNM undergraduate students about the merits of UNM as part of the UNM Ambassador Program.

Albuquerque, NM, Jan. 31, 1979.

Initiated a cooperative working agreement between UNM and the University of Sao Paulo, Brazil, and was appointed to newly created UNM committee to further such collaboration.

Participated in Parent Day, University of New Mexico.

Chaired the Examinations Committee and Search Committee for a Stable Isotope geochemist and served on the graduate committee, Dept. of Geology, UNM.

Served on the A & S Search Committee for a new Dean, UNM.

Taped UNM movie on research in Institute of Meteoritics, with emphasis on Mars and cosmochemistry research, Feb. 22, 1980.

Hosted Geochemistry class, Los Alamos Branch, University of New Mexico, Feb. 23, 1980.

Albert M. Kudo:

Chairman of UNM Science Colloquium Committee

Chairman of UNM-Sandia Colloquium Committee

Thesis advisor of C. Zimmerman and S. Barker

Member of many thesis and dissertation committees

Scholarship and Undergraduate Committee

Barry S. Kues:

U.N.M. Curricula cOMMITTEE

Stephen G. Wells:

Graduate Admissions Committee - Geol. Dept.

Scholarship Committee - Geol. Dept.

Faculty Advisor:

MS Students:

W.D. White *+

S.J. Anderson *+

J.D. Schultz *+

A.A. Gutierrez *+

D. Rose +

L. Smith +

P. Bauer

PhD:

D.W. Love *+

* thesis or dissertation to be completed by Spring, 80

+ students supported by my research grants

Lee A. Woodward:

Member of 15 thesis and dissertation committees; Chairman of 7 of
these committees.

9. PUBLIC SERVICE

Roger Y. Anderson:

Lecture, January 79, Unitarian Church, Laguna Beach, CA.

Identifying rocks and fossils for public.

Douglas G. Brookins

Re-elected to Board of Trustees, Congregation Albert

Chairman, Religious School Committee, Congregation Albert

Jewish Community Council, UJA

Information and public comments to League of Women Voters, civic groups.

Jonathan F. Callender:

Advertising Chairman, New Mexico Geological Soc.; New Mexico area chairman, Caltech Alumni Fund; Lectures at Sunday School classes and Albuquerque Public Schools.

Wolfgang E. Elston:

Member, Advisory Board, Explorer Post 296, Boy Scouts of America.

Rodney C. Ewing:

Presentations before local groups and in local schools on mineralogy and geology.

Klaus Keil:

Many private showings of moon rocks to interested citizens, school classes, civic groups, etc., many of which were after working hours and on weekends.

Many private showings of the meteorite museum to interested citizens, school classes, civic groups, etc., many of which were after working hours and on weekends.

Investigated without charge many rocks suspected to be meteorites and brought to the Institute by citizens.

Presented talk on "Meteorites: Heavenly Rocks" to Rock Hounds, Albuquerque, NM, Jan. 19, 1979.

Presented talk on "Geological Aspects of nuclear waste disposal" to Albuquerque Senior Citizens. May 10, 1979.

Presented talk on "Meteorites as probes of the early history of the solar system", Albuquerque Astronomers, Oct. 20, 1979.

Presented talk on "Careers in geological and planetary sciences" at the Career Enrichment Center, Albuquerque, NM., Nov. 20, 1979.

Presented talk on "Jupiter and its moons: Results of the Voyager fly-by missions", Albuquerque Gem and Mineral Club, Nov. 26, 1979.

Presented talk on "Voyager and the exploration of Jupiter and its moons", Career Enrichment Center, Astronomy Class, Albuquerque, NM, Nov. 28, 1979.

Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Career Enrichment Center, Astronomy Class, Albuquerque, NM, Jan. 3, 1980.

Presented talk on "Jupiter and its moons: Results of the voyager Missions", Boy Scouts, Albuquerque, NM, Feb. 5, 1980.

Hosted visit of Astronomy 101 class from New Mexico Institute of Mining and Technology, Socorro, NM, Feb. 13, 1980.

Presented talk on "Jupiter and its moons: Results of the Voyager Missions", at the Albuquerque Museum, Albuquerque, NM, Feb. 14, 1980.

Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Career Enrichment Center, Albuquerque, NM, May 6, 1980.

Presented talk on Jupiter and its moons: Results of the Voyager Missions", Breakfast Club, Albuquerque, NM, May 16, 1980.

Albert M. Kudo:

President of Grant PTA

Chairman of Earth and Space Sciences, NW Regional Science Fair

Barry S. Kues:

Member of New Mexico Life History Program Advisory Committee, advisory group to the Museum of New Mexico.

Stephen G. Wells:

Work with residents of Tijeras Canyon on water conditions vs. future development.

Volunteer work with Cave Research Foundation

Conducted 3 tours of solar passive home to illustrate success of solar energy.

10. PERSONAL INFORMATION

Jonathan F. Callender:

Sarah Frances Callender, born May 30, 1979.

Rodney C. Ewing:

Travis Russell Ewing, born April 24, 1979.

APPENDIX I

The following students completed degrees during the report period.

B.A.

Robert E. Uecker

B.S.

Herbert Dean Benedict
Carol Jean Cone
Howard Neal Granzow
James Carl Hunter
August Merz III
Claudia I. Mora
Geoffrey S. Plumlee
Michael Warren Putnam
Jeffrey Gordon Ross
Elain Sandra Smith
Elizabeth H. Southwell
Harlan Leigh Stein
Jeffrey E. Walter

M.S.

Kathleen Affholter, "Petrogenesis of Orbicular Rock, Tijeras Canyon, Sandia Mountains, New Mexico"
Ph.D. candidate, Virginia Polytechnic Institute

Alberto A. Gutierrez, "Channel and Hillslope Geomorphology of Badlands in the San Juan Basin, Northwestern New Mexico"
Hydrogeologist, Radian Corp., Washington, D.C.

Donathon James Krier, "Geology of the Southern Gila Primitive Area, Southwestern New Mexico"
Geologist, Seremin, Inc., Reno, Nevada

John Richmond Lawrence, "Geology of the Cerro Del Grant Area, Rio Arriba County, North-Central New Mexico"
Consultant, Albuquerque, NM

Tamsin McCormick, "Exsolution in Alkali Feldspars and Implications for the Cooling History of the Battleship Rock Tuff, Northern New Mexico"
Ph.D. candidate, Arizona State University.

Harold Roy Northrop, "Oxygen Isotopic Analysis of Silicates and Oxides Using Both Bromine Pentafluoride and Fluorine Gas As Reagents"
Ph.D. candidate, Colorado School of Mines

Joseph Knott Register, Jr., "Rb-Sr and Related Studies of the Salado Formation, Southeastern New Mexico"
Ph.D. candidate, UNM

Martin G. Steinpress, "Neogene Stratigraphy and Structure of the Dixon Area, Espanola Basin, North-Central New Mexico"
Geologist, Santa Fe Minerals, Albuquerque, NM

Michael E. Vazzana, "Stratigraphy, Sedimentary Petrology and Basin Evolution of the Abiquiu Formation, North-Central New Mexico"
Environmental consultant, Maine

Roberta E. Widdicombe, "Quaternary Surficial Features in the Delaware Basin, Eddy and Lea Counties, NM"
Geologist, Phillips Petroleum, Denver, CO

Ph.D.

EDWARD E. ERB, "Petrologic and Structural Evolution of Ash-Flow Tuff Cauldrons and Noncauldron-Related Volcanic Rocks in the Animas and Southern Peloncillo Mountains, Hidalgo County, New Mexico"
Senior Geologist, Chevron Resources, Inc., Denver, CO

JAMES LESLIE GOODING, "Petrogenetic Properties of Chondrules in Unequilibrated H-, L-, and LL-Group Chondritic Meteorites"
Scientist, Jet Propulsion Laboratory, Pasadena, CA

WILLIAM LAWRENCE MANSKER, "Petrogenesis of Nephelinites and Melilite Nephelinites from Oahu, Hawaii"
Visiting Professor, Univ. of New Mexico, Albuquerque, NM

RUBEN MARTINEZ, "Provenance Study of the Westwater Canyon and Brushy Basin Members of the Morrison Formation Between Gallup and Laguna, New Mexico"
Geologist, Shell Oil Co., Houston, TX

EDWARD B. NUHFER, "Temporal and Lateral Variation in the Geochemistry, Mineralogy, and Microscopy of Seston Collected in Automated Samplers (From Selected Lakes in Ohio, Pennsylvania, and New Mexico)"
Asst. Professor, Univ. of Wisconsin, Platteville, WI

HARRY NICHOLAS PLANNER, "Chondrule Thermal History. Implied from Olivine Compositional Data"
Scientist, Los Alamos Scientific Laboratory

THEODORE JOSEPH BORNHORST, "Major- and Trace-Element Geochemistry and Mineralogy of Upper Eocene to Quaternary Volcanic Rocks of the Mogollon-Datil Volcanic Field, Southwestern New Mexico"
Post-doctoral position: Michigan Technical University

S. JUDSON MAY, "Neogene Geology of the Ojo Caliente-Rio Chama Area, Espanola Basin, New Mexico"
Geologist, Mobil Oil, Dallas, TX

WALTER C. RIESE, "The Mount Taylor Uranium Deposit, San Mateo, New Mexico"
Project Geologist, Gulf Minerals, Albuquerque Office, Alb., NM

APPENDIX II

The following contracts were in effect during the report period.

PRINCIPLE INVESTIGATOR	ACCOUNT #	AMOUNT
Ewing, R. C.	281-614-100	75,000
	281-614-200	60,000
Elston, W. E.	281-710-100	28,820
	281-710-200	26,810
	281-711-100	80,094
	281-830-100	36,753
	281-030-300	301,859
Brookins, D. G.	281-174-200	26,920
	281-733-100	71,309
	281-538-200	47,117
	281-538-300	36,911
	281-773-100	52,261
Ingersoll, R. V.	281-670-100	10,000
Kudo, A. M.	283-040-200	6,000
	283-040-300	7,000
Husler, J.	281-749-100	16,256
	281-749-200	61,379
Anderson, R. Y.	281-534-100	82,514
Wells, S. G.	281-678-100	30,855
	281-678-200	55,279
Huestis, S. P.	281-730-200	37,000
Gomez, G. G.	281-873-100	2,500
Kues, B. S.	281-686-100	19,141
	283-690-100	5,000
Keil, K.	281-192-800	97,500
	281-206-400	80,671
	281-206-500	85,741
	281-571-300	89,571
	281-571-400	26,624
	281-790-100	27,230
	281-790-200	52,347

737..

Jiracek, G. R.

281-796-100	54,945
281-692-100	76,874
281-694-100	16,995
281-847-100	28,061
281-751-100	73,411
281-816-100	22,683
281-839-100	54,970

TOTAL	\$1,964,401.
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APPENDIX III

The following scientists visited the Department of Geology to present lectures and to discuss their research with faculty and students.

1. Dr. S. M. Aleksandrov, V. I. Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Science of U.S.S.R.

NAS sponsored visit, June 30 - July 4, 1979

2. Dr. H. D. Holland, Harvard University, Cambridge, Mass.
"Precambrian Atmosphere and Oceans"
September 5, 1979
3. Dr. Terrence Gerlach, Sandia Laboratories
"Chemistry of Volcanic Gases from Basaltic and Alkaline Lavas"
September 6, 1979
4. Dr. John F. Kerridge, Institute of Geophysics and Planetary Physics, University of California, Los Angeles
"Origin of Carbonaceous Chondrites"
October 15, 1979
5. Dr. Rodney Holcombe, University of Queensland, Australia
"Structural Analysis of a Precambrian Granite Complex in Australia"
October 18, 1979
6. Dr. Robert Fournier, U. S. Geological Survey, Menlo Park, CA
"Estimation of Underground Temperatures in Active Hydrothermal Systems"
October 24, 1979

"The Active Hydrothermal System at Yellowstone National Park"
October 25, 1979
7. Dr. Alfred Liaw, ARCO Oil and Gas Co.
"Geophysical Projects in ARCO Exploration Research"
October 25, 1979
8. Dr. Ed Scott, Dept. of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, D.C.
"Origin of Iron and Stony-Iron Meteorites"
October 26, 1979
9. Dr. Cornelis Klein, Department of Geology, Indiana University
"Petrology of Precambrian Iron Formations"
November 1, 1979

10. Dr. John Rundle, Sandia Laboratories, Albuquerque, NM
 "The Influence of the Inelastic Properties of the Earth on
 Quasi-Static Crustal Deformation Patterns"
 November 8, 1979

11. Dr. Sam Epstein, Division of Geological and Planetary
 Sciences, California Institute of Technology, Pasadena, CA
 "Isotope Geochemistry of Oxygen and Geological Applications"
 November 26, 1979

12. Dr. Frank Conselman, Distinguished Professor of Petroleum
 Geology
 "Potential Oil and Gas Exploratory Areas"
 December 6, 1979

13. John Valley, University of Michigan
 "Stable Isotopic Study of Fluids in Granulite Facies
 Metamorphism"
 February 6, 1980

14. Dr. Richard Steinmetz, Amoco Production Co., Denver and AAPG
 Distinguished Lecturer
 "Energy Update on Oil and Gas Exploration"
 February 7, 1980

 The World of Energy"
 February 7, 1980

15. Crayton Yapp, California Institute of Technology
 "Continental Stable Isotope Evidence for Climatic Change"
 February 8, 1980

16. William Carlson, University of California, Los Angeles
 Implications of Aragonite-Calcite Transformation Kinetics
 for Blueschist Facies Metamorphism"
 February 11, 1980

17. Dr. Richard T. Buffler, Geophysics Laboratory, University
 of Texas, Marine Science Institute
 "Geologic History of Deep Gulf of Mexico Basin"
 February 11, 1980

18. Theodore C. Labotka, Dept. of Earth & Space Sciences, State
 University of New York at Stony Brook
 "Contrasts in Metamorphic Facies between the Panamint and
 Funeral Mountains, Death Valley, CA"
 February 13, 1980

19. Jeffrey A. Grambling, School of Geology & Geophysics,
 University of Oklahoma at Norman
 "Metamorphism at Truchas Peaks, New Mexico: Aluminum
 Silicates and Metamorphic Fluids"
 February 15, 1980

20. David Bish, Dept. of Geological Sciences, Harvard University
"The Crystal Chemistry of Double Hydroxides: Cation Ordering, Exsolution and Anion Exchange"
February 18, 1980
21. Tony Veneruso, Supervisor of Drilling Technical Division, Sandia Laboratories
"Geophysical Logging"
February 28, 1980
22. Dr. John C. Horne, Research Faculty and Associate Director of Carolina Coal Group
"Application of Depositional Models in Coal Exploration and Mine Planning"
March 5, 1980
23. Don Schueler, WIPP Project Manager, U. S. Department of Energy
"Radioactive Waste - A National Problem"
March 6, 1980
24. Professor S. Keith Runcorn, F.R.S., The University Newcastle Upon Tyne, England
"Lunar palaeomagnetism and its implications for the existence of superheavy elements in the early solar system"
March 24, 1980

"Continental drift and its geophysical mechanism"
March 25, 1980
25. Dr. Don G. Bebout, Bureau of Economic Geology, University of Texas - Austin
"Energy Resources of Water-Bearing Geopressured Reservoirs"
March 27, 1980
26. Dr. Allan Cox, Stanford University, Stanford, CA
"Microplates in the Western U. S."
March 31, 1980
27. Dr. Michael Beyth, Staff Scientist, Los Alamos Scientific Laboratory
"The Dead Sea - A Saline Lake in the Red Sea Rift"
April 3, 1980
28. Fred Jenkins, Conoco, Albuquerque, NM
"Geochemistry & Base Metal Exploration"
April 7, 1980
29. Dr. M. Jim Aldrich, Staff Scientist, Los Alamos Scientific Laboratory
"Central Appalachian Tectonics"
April 10, 1980

30. Dr. Paul Morgan, New Mexico State University, Las Cruces, NM
"Continental Rift Valleys, Active or Passive: New Data from
the Red Sea"
April 14, 1980
31. Dr. Charles Fiori, National Institute of Health, Washington,
D.C.
"Dispersive Microanalysis: The Beauty and the Beast"
April 15, 1980
32. Dr. Francis S. Birch, Associate Professor, University of New
Hampshire
"Magnetic fabric of the Exeter pluton, New Hampshire: A geo-
physical petrofabric study"
May 1, 1980

OUTLINE OF REQUIREMENTS AND PROCEDURES
FOR THE BACHELOR'S DEGREE IN GEOLOGY

1. Advisor: Each student must obtain assistance in planning a course of study, selecting courses and registration from Prof. J. F. Callender, the primary undergraduate advisor. It is strongly recommended that all majors communicate with the undergraduate advisor and the faculty throughout their residence at UNM. In addition, students may and should consult with any member of the faculty about specific disciplines in geology.
2. Course requirements are outlined on the attached sheets. Additional recommended courses for specific fields in geology are also listed, as are useful courses for the A&S group requirements. The B.U.S. degree is not recommended for a career in Geology.
3. Each major is required to have on file with the department secretary a current address, phone number, and up-to-date transcripts of all college work. This file will allow the department to contact you and also will allow faculty to consult your records and make recommendations for employment, scholarships, and so forth.
4. An honors program, including a senior thesis, is available to outstanding majors who wish to do original research. If interested, check with the undergraduate advisor at the beginning of the junior year.
5. In their last semester before graduation, all majors will have a short, informal interview with the department chairman. This will enable the chairman to direct appropriate employment and scholastic opportunities to the student.
6. Membership in Sigma Gamma Epsilon, a geoscience honorary society, is available to senior majors with high academic standing. See UNM Chapter President for more information.
7. There are many scholarships and fellowships available to undergraduates at all levels. Awards are made for academic performance and financial need, or both. Check with advisor and department chairman for details.
8. Early in the fall semester, seniors will meet with the undergraduate advisor to discuss job interviews and graduate school applications. All seniors should attend this meeting. Please check with department secretary for time and place no later than the first week in September.

	<u>Fall Semester</u>		<u>Spring Semester</u>	
1st year	Geol. 101 ¹ (Phys. Geol.)	3	Geol. 102 ¹ (Hist. Geol.)	3
	Geol. 105 ¹ (Phys. Geol. Lab)	1	Geol. 106 ¹ (Hist. Geol. Lab)	1
	Chem. 121L (Gen. Chem. I)	4	Chem. 122L (Gen. Chem. II)	4
	Math 162 (Calculus I)	4	Math 163 (Calculus II)	4
	A&S Group Requirements	3-4	Phys. 160 (Gen. Physics I)	3
		<hr/> 15-16		<hr/> 15
2nd year	Geol. 311L ¹ (Mineralogy I)	4	Geol. 312L ¹ (Mineralogy II)	3
	Math 264 (Calculus III)	4	Phys. 262 (Gen. Physics III)	3
	Phys. 161 (Gen. Physics II)	3	Math 345 (Statistics)	3
	A&S Group Requirements	6	A&S Group Requirements	7-8
		<hr/> 17		<hr/> 16-17
3rd year	Geol. 313L ¹ (Petrology I)	3	Geol. 314L ¹ (Petrology II)	3
	Geol. 317L ¹ (Structural Geol.)	4	Geol. Elective ^{1,2}	3-4
	Geol. 318L ¹ (Mathematical Methods & Computer Program.)	3	English 219 (Tech. Writing)	3
	A&S Group Requirements	6	A&S Group Requirements	3
			Elective	3
		<hr/> 16		<hr/> 15-16
4th year	Geol. 319L ¹ (Beg. Field Geol.)	4	Geol. 420L ¹ (Adv. Field Geol.)	4
	Geol. 401 ¹ (Seminar)	1	Geol. 490 ¹ (Geologic Presentation)	1
	Geol. Elective ^{1,2}	3-4	A&S Group Requirements	3
	A&S Group Requirements	6	Electives ³	3
	Elective ³	3		
		<hr/> 17-18		<hr/> 17

See attached page for suggestions on group requirements in the College of Arts and Sciences.

- NOTES: 1. Required Geology course
2. Two of the following must be chosen to satisfy this requirement:

Ge 405L	Physical geochemistry	4 units
Ge 410	Geochemistry	3
Ge 411L	Paleontology	4
Ge 426L	Exploration geophysics	4
Ge 427	Solid earth geophysics	3
Ge 441L	Stratigraphy-sedimentology	4
Ge 471L	Mineral deposits	4
Ge 481L	Geomorphology	4
Ge 487L	Advanced Mineralogy	4

3. May be Geology honors program
[Ge 493 and Ge 495]

Total Geology hours = 45 maximum.

A&S Group requirements satisfied, with distributed minor.

B.A. Requirements

Geol. 101, 105, 311L, 312L, 313L, 314L, 317L, 319L, 401, 490 and 7 additional hours in geology courses numbered 300 or above; in addition, Chem. 121L, 122L, Math 162, 163 and Physics 160, 161. To obtain a distributed minor, the student must elect 8 hours of courses numbered above 299 in any one of the following departments: Anthropology, Biology, Chemistry, Engineering, Geography, Mathematics or Physics. Alternatively the distributed minor may be satisfied with Math 264, Physics 262 and one additional course above 299 in the above departments.

Minor Study

Geol. 101, 105, 311L or 317L, and 13 additional hours in geology, no more than 4 of which may be taken at the 100-299 level.

Departmental Honors

Students seeking honors in geology should consult with the department chairperson no later than two full semesters prior to graduation. Geology 493 and 495 are required, as is a written senior thesis which will be orally defended. Eligibility is not limited to students in the College of Arts and Sciences.

FOUR-YEAR PROGRAM LEADING TO B.S. IN GEOLOGY
(for students with GEOPHYSICS emphasis¹)

	<u>Fall Semester</u>		<u>Spring Semester</u>	
1st year	Geol. 101 ²	3	Chem. 122L	4
	Geol. 105L ²	1	Math 163	4
	Chem. 121L	4	Phys. 160	3
	Math 162	4	Geol. 215 ^{2,3} (Interior of the Earth)	3
	A&S Group requirements	3-6	A&S Group requirements	3-4
		<hr/> 15-16		<hr/> 17-18
2nd year	Geol. 311L ²	4	Geol. 312L ²	3
	Math 264	4	Phys. 262	3
	Phys. 161	3	Phys. 264L	1
	Phys. 163L	1	Math 265 (Vector analysis)	4
	A&S Group requirements	6	A&S Group requirements	6
		<hr/> 18		<hr/> 17
3rd year	Geol. 313L ³	3	Geol. 314L ²	3
	Geol. 317L ²	4	Geol. 427 ²	3
	Geol. 318L ²	3	Math 345	3
	Geol. 426L ²	4	Math 312 (Adv. Engineering Math I)	3
	Math 316 (Differential Equations)	3	A&S Group requirements	6
		<hr/> 17		<hr/> 15-18
4th year	Geol. 319L ²	4	Geol. 420L ²	4
	Geol. 401 ²	1	Geol. 490 ²	1
	A&S Group requirements	6	A&S Group requirements	6
	Electives ⁴	6	Electives ⁴	6
		<hr/> 17		<hr/> 17

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NOTES:

1. This program satisfies the mathematics minor.
2. Required geology course
3. Substitution for Geol. 102-106
4. Suggested electives - senior year:

FALL SEMESTER

Phys. 303 (Analytical Mechanics) OR

305 (Electricity &
Magnetism) OR

301 (Heat and Thermodynamics)

Math 314 (Linear Algebra)
strongly recommended

SPRING SEMESTER

Phys. 304 (Analytical Mechanics)

306 (Electricity &
Magnetism) OR

302 (Optics)

Math 313 (Adv. Engineering Math)
strongly recommended

FOUR-YEAR PROGRAM LEADING TO B.S. IN GEOLOGY
(for students with PALEONTOLOGY emphasis)

	<u>Fall Semester</u>		<u>Spring Semester</u>	
1st year	Geol. 101 ¹ (Phys. Geol.)	3	Geol. 102 ¹ (Hist. Geol.)	3
	Geol. 105 ¹ (Phys. Geol. Lab)	1	Geol. 106 ¹ (Hist. Geol. Lab)	1
	Chem. 121L (Gen. Chem.)	4	Chem. 122L (Gen. Chem.)	4
	Math 162 (Calculus I)	4	Math 163 (Calculus II)	4
	Biology 121L (Biol. I)	4	Biology 122L (Biol. II)	4
		<u>16</u>		<u>16</u>
2nd year	Geol. 311L ¹ (Mineralogy I)	4	Geol. 312L ¹ (Mineralogy II)	3
	Math 264 (Calculus III)	4	Phys. 161 (Gen. Physics II)	3
	Phys. 160 (Gen. Physics I)	3	Biology 371L (Invert. Biol.)	5
	Biology 222 (Evolution ₂ & Ecology) ²	3	A&S Group Requirements	6
	A&S Group Requirements	<u>3</u>		<u>—</u>
		17		17
3rd year	Geol. 313L ¹ (Petrology I)	3	Geol. 314L ¹ (Petrology II)	3
	Geol. 317L ¹ (Structural Geol.)	4	Geol. 411 ¹ (Invert. Paleo.)	4
	Group 318L ¹ (Mathematical Methods & Computer Program.)	3	English 219 (Tech. Writing)	3
	A&S Group Requirements	6	A&S Group Requirements	6
		<u>16</u>		<u>16</u>
4th year	Geol. 319L ¹ (Beg. Field Geol)	4	Geol. 420L ¹ (Adv. Field Geol)	4
	Geol. 401 ¹ (Seminar)	1	Geol. 490 ¹ (Geologic Presentation)	1
	Geol. 412 (Index Fossils)	3	A&S Group Requirements	9
	Geol. 441 ¹ (Strat.-Sed)	4	Geol. 520 (Topics in Geobiology)	3
	Geol. 431L (Palynology-Micropaleo)	4		<u>3</u>
		<u>16</u>		17

NOTES: ¹Required Geology course

²Substitution for Physics 262

749 SUGGESTED ELECTIVE COURSES FOR UNDERGRADUATES INTERESTED
IN PURSUING GRADUATE STUDY IN THE FOLLOWING FIELDS:

GEOCHEMISTRY

* Geol. 505	Stable Isotope Geochemistry
Geol. 517 (or Chem. 454L)	Instrumental Analysis
** Chem. 311-312	Physical Chemistry
* Chem. 431-432	Advanced Inorganic Chemistry
Math. 265, 312-313, 314, 316	Math above Calculus Series
Phys. 301	Heat and Thermodynamics
Phys. 305-306	Electricity and Magnetism
Phys. 330	Atomic and Nuclear Physics

MINERALOGY

** Geol. 487L	Advanced Mineralogy
Geol. 506L	Structure Analysis by X-ray Crystallography
** Chem. 431-432	Advanced Inorganic Chemistry
Chem. 563	Thermodynamics
** Math. 265	Vector Analysis
Math. 316	Applied Ordinary Diff. Equations
** Math. 321	Linear Algebra

STRUCTURAL GEOLOGY/TECTONICS

Geol. 215	Interior of the Earth
* Geol. 427	Solid Earth Geophysics
* Geol. 525L	Comparative Tectonics
* Geol. 527L	Advanced Structural Geology
Civil Engineering 202	Engineering Statics
** Civil Engineering 302	Mechanics of Materials
** Math series as in geophysics program	

** Very strongly recommended

* Strongly recommended

NOTE: Prerequisites for some of the above courses may require additional course work. See instructors of specific courses for advice.

SUGGESTED ELECTIVE COURSES FOR UNDERGRADUATES INTERESTED
IN PURSUING GRADUATE STUDY IN SEDIMENTARY GEOLOGY

Geol. 225	Oceanography
** Geol. 411L	Invertebrate Paleontology
* Geol. 412L	Index Fossils and Biostratigraphy
Geol. 426L	Exploration Geophysics
Geol. 431L	Palynology-Micropaleontology
** Geol. 441L	Stratigraphy and Sedimentology
Geol. 442	Petroleum Geology
Geol. 462	Hydrogeology
* Geol. 481L	Geomorphology
Geol. 501	Sedimentary Geochemistry
Geol. 523	Tectonics of Sedimentary Basins
* Geol. 544L	Sedimentary Petrology

SUGGESTED ELECTIVE COURSES FOR UNDERGRADUATES INTERESTED

IN ECONOMIC GEOLOGY or WORK IN INDUSTRY

* Geol. 103-107L	Earth Resources and Lab
** Geol. 410	Geochemistry
** Geol. 426L	Exploration Geophysics
** Geol. 441L	Stratigraphy and Sedimentology
* Geol. 442	Petroleum Geology
Geol. 462	Hydrogeology
* Geol. 471L	Mineral Deposits
Geol. 505	Stable Isotope Geochemistry
Geol. 510	Advanced Mineral Deposits
Geol. 525L	Comparative Tectonics

** Very strongly recommended

* Strongly recommended

General comments: See UNM Bulletin for general instructions. If foreign language is not used as a group requirement, the minimum possible hours of group requirements (exclusive of mathematics, which is automatically fulfilled because of math requirement in geology major) is 39, two 6-hour groups and three 9-hour groups.

If foreign language is used as a group requirement, the minimum number of hours of group requirements could be 30 (if one tests out of language), 33 (if one needs but the fourth semester of language) or 42 (if one needs four semesters of language).

Recommendations for group requirements:

I. Communications

- ** English 220 - Expository writing
- Speech 130L - Public Speaking
- Speech 221 - Interpersonal Communication

II. Humanities

- History 317 - History of Science (to 1543)
- History 318 - History of Science (1543 - 1800)
- * History 319 - History of Science (1800 - present)
- * Philosophy 156 - Intro. to Logic
- Philosophy 253 - Intro. to Philo. of Science
- * Philosophy 254 - Scientific Method

III. Biological/Behavioral Sciences

- * Anthro. 105 - Natural History of Man
- Biology - see Paleontology program

IV. Social Sciences

- Economics 201 - Principles of Economics
- Geography 482 - Remote Sensing

V. Foreign Language

- ** German
- ** Russian
- * French
- Spanish

Also recommended (without Group credit):

- Astronomy 270-271 - General Astronomy
- Architecture and Law courses relating to land use and natural resources
- Civil Engineering 202 - Engineering Statics
- * Civil Engineering 302 - Mechanics of Materials
- Civil Engineering 360 - Soil Mechanics

-
- ** Very strongly recommended
 - * Strongly recommended

REQUIREMENTS AND PROCEDURES FOR M.S. DEGREE IN GEOLOGY

1. Temporary advisor: Each student will be assigned a temporary advisor to assist in registration, selecting courses, and planning the student's program. It is the student's responsibility to check with the advisor prior to registration.
2. Field examination: During registration week of the first semester of residence, each student will be given an examination in the field to test competence and ability in field mapping. Geology 319L and 420L must be taken in lieu of this examination or to make up deficiencies noted in the field examination. A rock identification exam will also be given at this time.
3. Counseling interview: A $\frac{1}{2}$ hour counseling interview will be given to each student during registration week of the student's first semester of residence to determine proficiency in the following fundamental subjects:
 - a) Mineralogy
 - b) Petrology
 - c) Structure
 - d) Sedimentology - stratigraphy - paleontology
 - e) General geology

Upon evaluation of above subjects and transcripts by the interviewing committee, course work in these and other topics may be required in order to assure proficiency in fundamentals of geology.

4. Supervisor: By the end of the first semester in Graduate School, the student should obtain the consent of a faculty member to serve as the thesis supervisor. The thesis supervisor need not be the temporary advisor.
5. Thesis committee: As soon as the student has obtained a thesis supervisor, arrangements should be made with the supervisor for appointment of a thesis committee.
6. Foreign Language: There is no foreign language requirement for the M.S.
7. Course work: The student must complete 24 hours of 400- and 500-level courses in geology with an average of 3.0 grade points (B average). The following distribution is required:
 - a) A minimum of 6 hours of 500-level courses
 - b) A limit of 6 hours of Problems
 - c) Not more than half of the minimum required hours may be taken with any one professor
 - d) No more than 6 hours of C grades may be included in degree program.
 - e) See item #14.

8. Advancement to candidacy: After completion of 12 hours of course work, application forms for advancement to candidacy should be submitted to the Graduate School.
9. Comprehensive examination: An oral comprehensive examination will be given by the end of the second semester in residence to assess the student's basic proficiency and ability to conduct independent research.

The comprehensive exam will be given by a faculty committee consisting of 5 faculty members. The student may select 3 faculty members for examination in three areas of competence of the student's choice. The areas of competence are to be selected from the list of 10 given below. The student's supervisor, who normally serves as the examination committee chairperson, must be one of these 3 faculty members. The Department Chairperson will appoint 2 additional committee members to cover areas of general geology not covered by the 3 areas of competence of the student's choice and to assure balance of the exam to cover required basic geological disciplines.

The student must inform the Department Chairperson of the choice of 3 faculty members and 3 areas of competence within the first 4 weeks of the semester in which the comprehensive exam is to be scheduled. This is to assure that no faculty member serves on more than 1/3 of all scheduled comprehensive exams in any one semester, whether by the student's choice or by appointment through the Department Chairperson. The Department Chairperson shall inform faculty and students of the final committee make-up during the 5th week of each semester.

There are only two possible grades for the M.S. comprehensive exam, namely PASS (in which case the student is admitted into the M.S. program) or FAIL. In case of a FAIL, the student may choose to retake the exam once and once only. This retake must take place in the following semester and the exam normally must be given by the same committee. If the student passes the retake exam, the student is admitted to the M.S. program (without penalty). Failure to PASS the exam for the second time will end the student's participation in the M.S. program.

Areas of competence for the purpose of the M.S. exam are as follows:

- a. Mineralogy
- b. Igneous or metamorphic petrology
- c. Sedimentary petrology-sedimentology
- d. Stratigraphy-paleontology
- e. Structure-tectonics
- f. Geochemistry
- g. Economic geology
- h. Geophysics
- i. Astrogeology-meteoritics
- j. Geomorphology-environmental geology

10. Thesis: A brief description of the proposed thesis topic must be submitted to the geology faculty prior to beginning the thesis work. At least 6 hours of Geol. 599 (Thesis) must be completed. The student must submit an acceptable thesis (2 copies to the Graduate School, 1 copy to the Geology Department and 1 copy to the thesis supervisor). Thesis copies to Graduate School and Department must be unbound. In addition, the Department must receive mylar copies, suitable for blue-line reproduction, of any plates not included in the text of the thesis (i.e., pocket plates).
11. Thesis defense: The thesis will be presented before an open meeting of the Geology Department and other interested individuals. General questions pertaining to the thesis and supporting material may be asked by those in attendance. Immediately following the presentation, a closed thesis defense will be conducted by the thesis committee and interested Geology Faculty. General and specific questions pertaining to the thesis and supporting material may be asked at this time.
12. All departmental charges, keys, reading room materials and so forth must be settled or returned before thesis is approved. See Departmental Secretary for Thesis Approval Checklist.
13. Time limit: As a general rule, all work for the M.S. must be completed within a five-year period.
14. Please refer to the Graduate Bulletin for additional information concerning the requirements for the M.S.

REQUIREMENTS AND PROCEDURES FOR Ph.D. IN GEOLOGY

1. A graduate student must have a M.S. degree to be considered for the graduate program leading towards a Ph.D. Exceptions may be made in rare cases only, by petition to the faculty, for applicants with considerable professional and research experience as evidenced by published papers that indicate exceptional research ability.
2. Temporary advisor: Each student will be assigned a temporary advisor to assist in registration, selecting courses, and planning of the program.
3. Field examination: During registration week of the first semester of residence each student will be given an examination in the field to test the student's competence and ability in field mapping. Geology 319L and 420L must be taken in lieu of this examination or to make up deficiencies noted in the field examination. A rock identification exam will also be given at this time.
4. Counseling interview: A $\frac{1}{2}$ hour counseling interview will be given to each student during registration week of the first semester of residence to determine proficiency in the following fundamental subjects:
 - a) Mineralogy
 - b) Petrology - geochemistry
 - c) Structure - geophysics
 - d) Sedimentology - stratigraphy - paleontology
 - e) General geology

Upon evaluation of above subjects and transcripts by the interviewing committee, review of course work in these topics may be required in order to assure proficiency in these fundamentals.

5. Supervisor: Not later than the end of the second semester, the student should obtain the consent of a faculty member to be the student's dissertation supervisor. The dissertation supervisor need not be the temporary advisor.
6. Admission into the Ph.D. program: An oral examination will be given to determine whether the student has the potential to continue work towards the Ph.D., with emphasis on the student's ability to conduct independent, original research at the post-M.S. level. This Ph.D. Admissions Examination must be taken not later than at the end of the third semester in residence and shall consist of the following:

- 6.1 Extensive defense of an original research project, either the student's M.S. thesis, an original research project carried out at UNM or elsewhere or a dissertation proposal. This defense should consist of an oral presentation of the research by the student (about $\frac{1}{2}$ hour) with emphasis on the research problem in question, the approach used to solve the problem, the result of the study, and a detailed discussion of the conclusions reached. After the oral presentation, the student will be extensively questioned by the Admissions Examination Committee (see 6.3 below for make-up of committee) regarding the specific research project and closely related subjects that the student can reasonably be expected to be knowledgeable of, with emphasis on the student's ability to carry out original research, think independently, and solve research problems. This examination shall take about $1\frac{1}{2}$ hours. The student must submit to his Admissions Examination Committee, at least 2 weeks in advance of the exam, a written report (e.g., M.S. thesis, published paper, detailed Ph.D. dissertation proposal) in order for the faculty to review the report before the examination.
- 6.2 After a $\frac{1}{2}$ hour coffee break, the student will be given a comprehensive examination lasting about $1\frac{1}{2}$ hours. For this examination, the student may choose three topics from the list of disciplines given below (6.3). In addition, the student will be examined in general geology (see 6.3).
- 6.3 The Ph.D. Admissions Examination Committee shall consist of 5 faculty members. The examination in the three areas of competence of the student's choice shall be administered by 3 faculty members selected by the student and should include the student's supervisor who normally serves as the Admissions Examinations Committee Chairperson. The Department Chairperson will assign 2 additional faculty members to the student's Admissions Examinations Committee who shall examine the student in areas of general geology. The Department Chairperson will choose faculty members in an effort to balance the examination to cover required basic geological disciplines. The 10 areas of competence are as follows:
 - a) Mineralogy
 - b) Igneous or metamorphic petrology
 - c) Sedimentary petrology - sedimentology
 - d) Stratigraphy - paleontology
 - e) Structure - tectonics
 - f) Geochemistry
 - g) Economic geology
 - h) Geophysics
 - i) Astrogeology - meteoritics
 - j) Geomorphology - environmental geology

- 6.4 There are only 2 possible grades for the Ph.D. Admissions Examination, namely PASS of both parts of the exam (in which case the student is admitted into the Ph.D. program) or FAIL of one part. In case the student fails the first part (see 6.1) of the Admissions Examination, the exam will not continue to the second part (see 6.2). In case the student fails the first part of the exam, the entire exam consisting of two parts (6.1, 6.2) may be taken over once. If the student fails the second part of the exam, that part may be taken over once. This retake must take place in the following semester and will normally be given by the same committee. If the student passes the retake exam, the student is admitted to the Ph.D. program (without penalty). Failure to pass the exam for the second time will end the student's participation in the Ph.D. program.
7. Foreign language: The student must pass an examination or complete the fourth semester (or equivalent) with a grade of C in one foreign language, usually French, German, or Russian. The language examinations are given by members of the geology faculty.
8. Course work: The student must complete 24 hours of 400- and 500- level courses in geology with an average of 3.0 grade points (B-average) beyond the M.S. degree (48 hours beyond the B.S. degree) with the following distribution:
- a) At least 18 hours of 500-level courses.
 - b) At least 24 hours of the total graduate courses must be taken with other than any one professor.
 - c) No more than 6 hours of C grades may be included in degree program.
 - d) See item #14.
9. Advancement to candidacy: After completion of at least 12 hours of course work beyond the M.S. and passing the Ph.D. Admissions Examination, application forms for advancement to candidacy should be submitted to the student's supervisor. The student must present a written dissertation proposal to the faculty for approval, prior to beginning work on the dissertation.
10. Dissertation: At least 18 hours of Geology 699 (Dissertation) must be taken. Two copies of an acceptable dissertation must be submitted to the Graduate School, 1 copy to the Geology Department, and 1 copy to the supervisor. Dissertation copies to Graduate School and Department must be unbound. In addition, the Department must receive mylar copies, suitable for blue-line reproduction, of any plates not included in the text of the dissertation (i.e., pocket plates).

11. Oral Defense of Dissertation: An oral presentation dealing with the dissertation will be given by the student; this is open to the public. The committee will then have a closed period for questioning the candidate.
12. All departmental charges, keys, reading room materials and so forth must be settled or returned before dissertation is approved. See Departmental Secretary for Thesis Approval Checklist.
13. Ten-year time limit: All work offered for the Ph.D. must fall within a ten-year period.
14. Please refer to the Graduate Bulletin for additional information concerning the requirements for the Ph.D.

APPENDIX VI

The following students received scholarships as indicated:

A. El Paso Natural Gas Co. Award

- | | | |
|----|------------------------|----------|
| 1. | Claudia I. Mora | \$725.00 |
| 2. | Elizabeth A. Southwell | \$725.00 |

B. Leonard Scholarships

- | | | |
|-----|-------------------|----------|
| 1. | William R. Morris | \$100.00 |
| 2. | John L. Appel | \$100.00 |
| 3. | Joseph L. Schutz | \$100.00 |
| 4. | James Hunter | \$100.00 |
| 5. | William M. Blount | \$100.00 |
| 6. | William R. Morris | \$500.00 |
| 7. | John L. Appel | \$500.00 |
| 8. | Joseph L. Schutz | \$500.00 |
| 9. | Rex Lee Baum | \$500.00 |
| 10. | Charles Criswell | \$500.00 |
| 11. | Kathleen K. Tohe | \$250.00 |
| 12. | Dan VanRoosendaal | \$250.00 |
| 13. | Sara Z. Laurent | \$250.00 |
| 14. | James C. Anderson | \$250.00 |
| 15. | Richard Spradling | \$250.00 |
| 16. | Mary Lou Leonard | \$250.00 |
| 17. | Elaine S. Smith | \$100.00 |
| 18. | Howard N. Granzow | \$100.00 |
| 19. | Harlan L. Stein | \$100.00 |

20. John A. Musgrave \$100.00

21. Curtis Kortemeier \$100.00

C. Geology Public Service Account

1. Roger S. Miller \$100.00

2. Alberto A. Gutierrez \$100.00

3. Peter Maggiore \$100.00

4. Randy Albright \$100.00

5. William J. Cavin

6. Richard P. Lozinsky \$150.00

7. Margaret A. Merrick \$100.00

8. Sandra J. Anderson \$100.00

9. William D. White \$100.00

D. Albuquerque Gem & Mineral Club

1. Herbert A. Vogler \$100.00

2. Paul W. Bauer \$150.00

3. Steven E. Barker \$150.00

4. Mark J. Logsdon \$144.00

E. Rodney C. Rhodes Memorial Scholarship

1. Terry L. Leyenberger \$100.00

2. Robert R. Merker \$100.00

F. Gary Flesch Memorial Scholarship

1. Devon E. Rose \$200.00

2. Lawrence N. Smith \$200.00

3. Jerald D. Schultz \$200.00

G. Tenneco Oil Award

1. James C. Hunter \$1,230.00

APPENDIX VII

The following graduate students received financial support through the Department of Geology.

NAME	TYPE	PRINCIPLE INVESTIGATOR	FUNDING
Abadie, Toni D.	TA/RA	Ewing	Battelle
Abashian, Mark S.	RA	Brookins	LASL
Albright, Randy	TA		
Anderson, Sandra J.	TA/RA	Anderson	Sandia
Andrews, Mary C.	TA		
Barker, Steven	RA	Keil	NASA-Houston
Bullard, Thomas F.	RA	Wells	NMEMD
Cavin, Wm. J.	TA		
Della Valle, Richard S.	RA	Brookins Husler	DOE-BFEC & LASL Nat'l. Park Service
Emanuel, Karl M.	RA	Brookins Husler	NSF Nat'l. Park Service
Ganoe, Steven J.	RA	Jiracek	NSF
Gutierrez, Alberto	TA		
Harvey, Bruce A.	TA		
Hutchinson, Peter J.	RA	Kues	Museum of New Mexico
Hicks, Randall T.	RA	Brookins	DOE-BFEC
Holcombe, Horace T.	RA	Jiracek	DOE
Kautz, Paul F.	TA		
Leonard, Andrew	TA		
Lowy, Robert M.	RA	Brookins Husler	DOE-BFEC Nat'l. Park Service
Leyenberger, Terry Lee	TA/RA	Brookins	Sandia

Logsdon, Mark J.	TA		
Lozinsky, Richard P.	RA	Ewing	Harding Mine
Merker, Robert R.	TA/RA	Ewing	Harding Mine
McKinley, Susan	TA		
Maggiore, Peter	TA		
McCarty, Rose M.	TA		
Mahoney, Maureen	RA	Jiracek	USGS, DOE
Majumdar, Arunaditya	TA		
Merrick, Margaret	TA		
Miller, Roger S.	RA	Brookins	Sandia
Parker, Mark	RA	Jiracek	NMEMD
Register, Joseph K.	RA	Brookins Husler	Sandia Nat'l. Park Service
Register, Marcia E.	RA	Brookins	Sandia
Reiter, David E.	RA	Husler	Nat'l. Park Service
Rose, Devon	RA	Wells	NMEMD
Rubin, Alan	RA	Keil	NASA
Schmidt, Richard L.	RA	Elston	NSF
Schultz, Jerald D.	RA/TA	Wells	NMEMD
Smith, Larry	RA	Wells	NMEMD
Vogler, Herbert	RA/TA	Ewing	Harding Mine
White, William D.	TA		
Woodard, Thomas W.	TA		
Young, John D.	TA		

APPENDIX VIII

REPORT OF GRADUATE ADMISSIONS COMMITTEE, DEPARTMENT OF GEOLOGY
FOR SPRING AND FALL, 1980

Ninety-four students applied for admission into the Geology Department's graduate program in 1980; of these, 56 were admitted. A total of 50 were students desiring to work towards an M.S. degree; 6 were Ph.D. students (further information on the characteristics of the applicants is presented in Table 1). The department offered a total of 8 teaching assistantships to potential new students during this time (4 to males; 4 to females). Following a pattern that has been common during the past few years, our top three prospects decided to go elsewhere, whereas the second group of five all accepted our offers and are, or will be, attending U.N.M. New students receiving T.A.-ships are John Young, University of Nevada at Las Vegas; Ellen Lambert, University of Washington; James Salas, Ball State University, Indiana; Mark Picha, College of St. Thomas, Minnesota; and Kevin Guilbeau, New Orleans University. Applicants for graduate study are judged on the basis of grades, recommendations, graduate record exam scores, broadness of background in geology and related sciences, statement of goals in geology, and other evidence of potential for success in our program.

An analysis of graduate record exam (GRE) scores of this year's applicants (see below) provides a quantitative (albeit limited) measure of their abilities relative to the entire population of students taking the exam.

	Verbal	Quantitative	Analytical	Advanced: Geology
Accepted applicants				
Average raw score:	540	610	590	660
Percentile:	65	71	70	72
Applicants not accepted				
Average raw score:	470	580	590	550
Percentile:	44	63	54	42

The average score on the advanced (geology) part of the exam was 660 (72nd percentile), indicating that students accepted into our graduate program fall into the top 25-30% of graduating geology seniors who took the exam. The average for students not accepted was 550 (42nd percentile). By comparison, undergraduate U.N.M. geology majors scored an average of 615 (estimated 60-65th percentile), according to a Sept. 25, 1979 memo from Rodney Young. Thus, seniors graduating from our undergraduate program scored considerably higher than outside students not accepted into our graduate program, but somewhat lower than the average for students accepted for graduate study here. Most of our seniors would stand an excellent chance of being accepted into graduate programs here or elsewhere.

TABLE 1. Information on graduate students accepted into the Department of Geology's graduate program, Spring and Fall, 1980.

	Male	Female	Minority	Foreign	Total Ph.D.	Total M.S.
SPRING 1980						
Applicants						
Accepted	8	1	1	1	3	6
Not accepted	3	1	0	0	1	3
TOTAL	11	2	1	1	4	9
Total enrolled	6	0	1	1	2	4

FALL 1980

Applicants

Accepted	36	11	1	3	3	44
Not accepted	28	2	0	3	1	29
Being processed	4	0	0	0	1	3
TOTAL	68	13	1	6	5	76

TOTAL ENROLLED

Information not available until August, 1980.

The Annual Report of the Institute of Meteoritics

July 1, 1979 to June 30, 1980

Klaus Keil, Director

I. General Departmental Information

A. The Institute of Meteoritics, during the present report period, has continued to develop vigorously as one of the most active institutions in the research and teaching of Cosmochemistry and Planetary Geology in the world. Major activities in the Institute concern research, teaching, and public service.

Research activities of staff and students of the Institute of Meteoritics cover a wide range of topics and can be categorized into the following six (6) areas.

1. In past reports, the involvement of the Institute and its staff and students in the analysis of Martian soil samples via a miniturized X-ray fluorescence spectrometer on board the two Viking Mars Landers has been described in detail. This flight research program was completed in March, 1979, and we proposed to NASA a new follow-up program entitled "Chemical weathering on Mars: Theoretical and terrestrial analog studies of possible processes and products". This program was funded by NASA and is the logical extension of the work previously done as part of the Viking Flight to Mars. The purpose of this research is to study terrestrial analogs to the surface materials on Mars and to derive a model on the origin of the regolith on this planet. Analyses of Martian soil by the Viking spacecraft and earth-based telescopes have been interpreted as indicating a regolith dominated by the weathering products of material of mafic

composition. Basaltic glass has previously been proposed as a more likely precursor than crystalline rock, given the low efficiency of surface weathering under present Martian conditions. On Earth large volumes of basaltic glass are indicative of the quenching of magma by abundant water. A similar interaction, between magma and ground ice, may have been a common occurrence on Mars. Based on this scenario palagonite, the alteration product of basaltic sideromelane glass, was studied to determine its resemblance to Martian soil. Samples from Iceland, Alaska, Antarctica, Hawaii and the deserts of New Mexico and Mexico were examined. Techniques including optical and scanning electron microscopy, electron microprobe analysis, X-ray diffraction, reflectance spectroscopy, magnetic separation and thermogravimetric analysis were employed to characterize the palagonite. We find that this material is a strong analog to the soil of Mars in terms of chemical composition, particle size, spectral signature and magnetic properties, to the resolution of data from Viking and telescopic observations. Our model for the formation of Martian soil begins with eruptions of basaltic magma through ground ice, forming deposits of glassy tuff. The individual glass shards are then altered by low-temperature hydrothermal systems to palagonitic material. Dehydration and aeolian abrasion strip the alteration rinds from the glass and windstorms distribute the silt-size palagonitic fragments in a planet-wide deposit. This new concept has contributed significantly to our understanding of the evolution of this mysterious planet.

2. A second extensive research program involves the study of meteorites (NASA-supported). The main goal of our research is to understand the origin and evolution of stone meteorites and their parent bodies.

We design specific research projects to illuminate one or more of the numerous processes that operated to produce the meteorites and planets. During the report period, we completed projects geared to determining the origin of chondrules in ordinary chondrites, employing both observations of real chondrules (bulk compositions, petrology) and experiments on synthetic compositions. The results suggest that chondrules did not form by direct gas-liquid condensation of the solar nebula but rather by remelting of previously existing heterogeneous solids. The cooling of chondrule melts may have included a period of constant temperature, followed by quenching. We also investigated the effects of thermal metamorphism in ordinary chondrites by measuring the bulk compositions of chondrules in a suite of H3 through H6 chondrites and by making a detailed petrologic study of the matrices of unequilibrated ordinary chondrites. The results indicate that the petrographic sequence was established by metamorphism, but they also emphasize that primary differences exist among the precursor rocks for type 3 through type 6 chondrites. We also studied in detail the origin of chondrites (the whole rocks, not just the components in them), details of the metamorphism of chondrites, chondrite thermal histories, and achondrites. We continued our studies of lithic fragments in chondrites and stressed the similarities in origin of lunar and meteorite parent body regolith breccias. We found that regolith formation on chondritic parent planetesimals began at the time of the formation of these planetesimals, 4.55 billion years ago, and continued until at least ~ 1 billion years ago. Specific projects include the petrology and thermal histories of chondritic breccias; the detailed petrology

of unequilibrated ordinary chondrites; a theoretical, experimental, and observational study of the grain sizes of the minerals in chondrites; the thermal histories of a suite of types 3 through 6 ordinary chondrites; the age and origin of achondritic melt rocks; and a detailed study of the Norton County achondrite, the largest known achondrite in the world (weight 1 ton) which is located in the collection of the Institute of Meteoritics.

3. A third major area of research is the study of lunar rocks (NASA supported). The goals of this work are to elucidate the petrogenesis of the rocks that formed the original crust of the moon and to characterize and determine the origin of mare basalts. Our work during the report period centered around mare basalt petrogenesis (combining trace element data with petrologic data) and regolith dynamics (as revealed by a comprehensive petrographic study of the Apollo 17 drill core), in addition to work on rocks from the ancient lunar highlands. By combining trace element analyses obtained by INAA with detailed mineralogy and petrology we inferred the major characteristics of the source areas of Apollo 17 high-Ti mare basalts, Apollo 17 very-low Ti mare basalts, and Luna 16 aluminous mare basalts. We also developed a model for the depositional history of the regolith sampled by the Apollo 17 drill core; the model is based on modal analyses of a continuous string of thin sections down the core and on the principles of cratering dynamics. In the future, our work will place more emphasis on the petrogenesis of pristine highland rocks. This work will entail identification of pristine clasts in Apollo 16 and 17 breccias, separation of these clasts, and organization of consortia to study them. The initial group of rocks

we will work on include 60035, 64475, 67915, 67210/5, 77517 and 77538. In studying these clasts we will pay special attention to the textures and mineralogies of those pristine rocks with their original textures apparently preserved and to rocks with evolved compositions (such as sodic ferrogabbro clasts in 67915 and immiscible-melt clasts in 77538).

4. Another major area of research is the mineralogic, petrographic and chemical study of meteorites recently recovered in Antarctica (NASA supported). About 10 years ago, a Japanese glaciology expedition found, quite by chance, a large concentration of meteorites on the Antarctic ice. Since then, several Japanese and 3 USA expeditions, specifically organized to recover meteorites, have been active in Antarctica and have recovered about 4,700 meteorite specimens, representing about 850 different falls. This compares to a total of about 1,950 meteorites recovered since the year 1492 to today the world over, an increase of about 40% of all known meteorites in only 10 years time. The large concentrations of meteorites on the Antarctic ice are apparently due to the large collecting area of the ice, the excellent preservation of meteorites in the "cold storage" of the ice, and the transport of meteorites with the flowing ice towards the coast of the Antarctic continent, where the meteorites are rejected from the ice as the latter piles up against obstacles such as mountain ranges. We have been given the responsibility to study the over 250 meteorites weighing less than 150 grams, recovered during the 1977 joint USA-Japanese expedition into the Allan Hills region of Antarctica. The large number of meteorites available for study tremendously increases the

probability of finding new, heretofore unknown meteorite types that may significantly increase our understanding of the petrogenesis and evolution of the parent planetesimals of meteorites. Furthermore, we have organized a consortium that includes scientists from UNM, Johnson Space Center, and Oregon State University to study a highly complex breccia from the Bates Nunatak area of Antarctica. Finally, a detailed study of 3 unequilibrated ordinary chondrites from the Allan Hills is in progress with the aim to obtain clues to the mineralogy and chemistry of the most primitive ordinary chondrite material in our solar system.

5. A great variety of individual research projects on the mineralogy, petrology and geochemistry of mafic and ultramafic terrestrial rocks are being carried out in the Institute of Meteoritics and constitute a major area of thesis and dissertation topics. Special areas of interest are basaltic rocks drilled from the ocean floor and recovered from the Hawaiian Islands, in an attempt to understand their petrogenesis and evolution. In the report period, special emphasis was given to study of melilite nephelinite from Oahu, Hawaii, rocks whose magmas were generated at great depth. Also, thesis work on basaltic rocks from New Mexico and Arizona is a major activity.
6. A major, Sandia Laboratory supported research activity in the report period has been the study of tuff and shale in the State of Nevada as potential media for the disposal of high-level nuclear waste. These studies included extensive laboratory work (bulk and trace element analyses; optical microscopy and electron microprobe work) and, particularly, most extensive literature study and field work. The literature study concerned a detailed inventory of

silicic volcanic tuff in the four counties surrounding the Nevada Test Site (Nye, Lincoln, Esmeralda and Clark Counties), as well as a survey of the occurrences of shale of all geological ages in the United States. Furthermore, a field study was carried out for the suitability of shale occurrence as potential media for the disposal of high-level nuclear waste in Northern Nye County, Nevada. Furthermore, staff of the Institute participated in the Sandia tuff heater experiment designed to evaluate the response of silicic tuff to heat generated by simulated high-level nuclear waste. Also, the nature of joints in tuff at the Nevada Test Site were studied in support of this work.

Research in these areas has resulted in the publication of twenty-seven (27) scientific articles in major national and international, reviewed journals (see Da, #s 1-27, of this Report), as well as the publication of twelve (12) abstracts of papers presented at national and international conferences (see Db, #s 28-39). Furthermore, staff and students of the Institute presented the results of their research in the form of thirty (30) professional papers presented before national and international scientific meetings (see Dc, #s 40-69). The heavy involvement of students in the research of the Institute should be noted. Specifically, students were four (4) times senior authors on major scientific publications; eleven (11) times co-authors of major scientific articles; two (2) times senior authors of abstracts; three (3) times co-authors of abstracts; presented three (3) professional talks before national and international meetings; and co-authored six (6) professional talks. We were also successful in attracting many research grants and contracts to the Institute in support of the above-mentioned research. During the report period, grants and contracts totalling

\$1,291,612.00 were in effect in the Institute of Meteoritics.

Teaching activities of the Institute of Meteoritics staff concerned formal classes in meteoritics and cosmochemistry, opaque ore microscopy, electron microprobe analysis, high-level nuclear waste disposal, modern analytical techniques in geology and three sections of physical geology (the latter by R. Warner and W. Mansker). In addition, a great deal of emphasis was given to the direction of graduate student research projects, problem courses and dissertations. Furthermore, a number of undergraduate students have actively participated in research with staff members of the Institute of Meteoritics. Three students, W. L. Mansker, J. L. Gooding and H. N. Planner, completed outstanding Ph.D. dissertations in the Department of Geology with research done in the Institute of Meteoritics. J. L. Gooding and H. N. Planner passed with distinction. The dissertation topics are as follows:

W. L. Mansker: Petrogenesis of nephelinites and melilite nephelinites from Oahu, Hawaii.

J. L. Gooding: Petrogenetic properties of chondrules in unequilibrated H-, L-, and LL- group chondritic meteorites.

H. N. Planner: Chondrule thermal history implied from olivine compositional data.

In addition, graduate students (Ph.D. candidates) D. Nealy and A. E. Rubin, doing dissertation research in the Institute of Meteoritics, passed their Ph.D. qualifying exams.

Public Service activities of members of the staff of the Institute as well as students are largely devoted to maintenance and enlargement of the Institute's outstanding collection of meteorites, and making research specimens available to Institute members as well as colleagues in the USA and abroad. Many special, private showings of the Collection,

the Museum, as well as lunar samples were given, frequently on weekends and after-duty hours. Furthermore, many public lectures on meteorites, lunar geology, high-level nuclear waste disposal were given in the State of New Mexico, the USA and abroad. Finally, many rocks suspected to be of meteoritic origin and brought to the Institute by the public were analyzed without charge, and major efforts were made to educate the interested public in the recognition and recovery of meteorites.

The international and national reputation of the Institute is further documented by the many national and international visitors that came to the Institute during the report period, for the purpose of study and lectures.

These were:

1. Dr. R. V. Fodor, Dept. of Geology, North Carolina State University, Raleigh, N. C., July 7 - August 10, 1979.
2. Dr. Robert Floran, Oak Ridge National Laboratory, Oak Ridge, Tennessee, Sept. 19, 1979.
3. Thirty (30) German geology students, from the Technical University, Aachen, West Germany, Sept. 24, 1979.
4. Dr. J. F. Kerridge, Institute of Geophysics and Planetary Physics, University of California, Los Angeles, California, Oct. 15, 1979.
5. Dr. Ed Scott, Dept. of Terrestrial Magnetism, Carnegie Institution, Washington, D. C., Oct. 25-26, 1979.
6. Dr. A. A. Levinson, Dept. of Geology, University of Calgary, Calgary, Canada, Nov. 12, 1979.
7. Mr. Bruce Furst, Cal. State Northridge, Nov. 14, 1979.
8. Prof. Sam Epstein, Div. of Geological Sciences, California Institute of Technology, Pasadena, California, Nov. 25-26, 1979.
9. Mr. Richard Schultz, NASA L. B. Johnson Space Center, Houston, Texas, Dec. 10, 1979.
10. Mr. Roger Nielsen, Dept. of Geology, University of Texas, Dallas, Texas, Jan. 9-13, 1980.
11. Dr. Harry N. Planner, Los Alamos Scientific Laboratory, Los Alamos, N. M., Feb. 2, 1980.

12. Dr. J. Berkley, Dept. of Planetary Sciences, University of Arizona, Tucson, Arizona, Feb. 22-23, 1980.
13. Dr. A. Shoji, Dept. of Material Sciences, Tokyo University, Tokyo, Japan, Mar. 10-12, 1980.
14. Mr. James Cook, President, Edison Foundation, Detroit, Michigan, Mar. 13, 1980.
15. Dr. J. L. Gooding, Jet Propulsion Laboratory, Pasadena, California, Mar. 14, 1980.
16. Dr. A. Binder, Dept. of Mineralogy, University of Münster, Münster, West-Germany, Mar. 14, 1980.
17. Prof. Keith Runcorn, Dept. of Physics, University of Newcastle-Upon-Tyne, England, Mar. 24-26, 1980.
18. Dr. Charles Fiori, National Institute of Health, Washington, D. C., Apr. 15, 1980.
19. Mr. John Harris, L. B. Johnson Space Center, Houston, Texas, May 12, 1980.
20. Dr. Harry N. Planner, Los Alamos Scientific Laboratory, Los Alamos, N. M., May 17, 1980.
21. Dr. R. V. Fodor, Dept. of Geology, North Carolina State University, Raleigh, N. C., May 26 - June 13, 1980.
22. Dr. R. Gramende, Elsevier Scientific Publishing Company, Amsterdam, Netherlands, May 28, 1980.

During the report period, the following faculty, staff, graduate and undergraduate research assistants were employed in the Institute of Meteoritics:

Dr. Klaus Keil, Director
 Mary Fillmon, Secretary
 Dr. G. J. Taylor, Senior Research Associate
 Dr. E. Scott, Research Scientist
 Dr. R. Warner, Research Associate
 Dr. A. Okada, Post-doctoral Fellow
 Dr. C. Allen, Post-doctoral Fellow
 Dr. P. Warren, Post-doctoral Fellow
 Dr. R. V. Fodor, Visiting Scholar
 D. Lange, Staff Scientist
 D. Krier, Staff Scientist
 G. H. Conrad, Microprobe Specialist
 J. Allen, Preparator

S. Barker	Graduate Research Assistant
J. Connolly	" " "
J. L. Gooding	" " "
M. Jercinovic	" " "
S. McKinley	" " "
D. Nealey	" " "
H. N. Planner	" " "
A. Rubin	" " "
S. Wentworth	" " "

J. Dean	Undergraduate Research Assistant
D. Dean	Undergraduate Research Assistant

Except for the Director (9 months), the Secretary, the Senior Research Associate (80%), the Research Scientist (50%) and the Microprobe Specialist, salaries for all other employees including student research assistants, were entirely derived from outside grants (NASA, Sandia Laboratories).

During the report period, Mr. D. Lange resigned as Staff Scientist and Dr. E. Scott, formerly with the Department of Terrestrial Magnetism, Carnegie Institution of Washington, D. C., was hired as Research Scientist. All other changes in staff concern temporary positions, such as Post-doctoral Fellows and Graduate Research Assistants.

B. Significant Plans and Recommendations

One important and urgent need for the Institute is the addition of a full-time, permanently employed, Ph.D. level Research Associate. The present permanent scientific staff of the Institute consists only of the Director (9 months), the Senior Research Associate (80% time) and one Research Scientist (50% time). All other scientific personnel is on contract and grant salaries. The addition of a second permanent Research Scientist to the staff would allow us to increase our involvement in sponsored research and the cost would ultimately be off-set by increased outside funding that a new person could attract. Specifically, we would like to get involved on a large scale in the study of oceanic basalts drilled from the ocean floor, a project that the present scientific personnel could not do justice to, without neglecting other duties. Consideration of an additional

Research Associate (Ph.D.) for the Institute of Meteoritics is therefore urgently requested.

A further and most important need in the Institute of Meteoritics is the modernization and acquisition of new, major pieces of equipment. Since the appointment of the present Director of the Institute (1968) which carried with it a one-time UNM allotment of \$50,000.00 in matching funds for the purchase of our electron microprobe, no equipment purchase in the Institute of Meteoritics has been supported by UNM seed or matching funds. Yet, hundreds of thousand of dollars worth of research and teaching apparatus has been acquired by the Institute on outside grant funds. However, it is becoming increasingly difficult to justify purchase of major pieces of equipment without UNM contributions. One piece of equipment that is urgently needed not only in the Institute but the Geology Department as well, is a scanning electron microscope. As pointed out in last year's Annual Report, I have written a proposal to NASA for the purchase of a scanning electron microscope. I am delighted to report that NASA has approved a total of \$45,000.00 towards the purchase of that instrument, but additional funds from UNM (\$40,000.00) are required to purchase the instrument, as well as funds to set-up a suitable, vibration-free, air-conditioned laboratory. Applications for such funds will shortly be submitted to the Associate Provost for Research.

II. Composite of Individual Biographical Supplements.

A. Advanced Study

S. Barker

1. Continued progress towards M.S. degree in geology, with part of his research done in the Institute of Meteoritics.

J. L. Gooding

1. Completed and defended Ph.D. dissertation in Geology (With Distinction) with research done in the Institute of Meteoritics entitled "Petrogenetic properties of chondrules in unequilibrated H-, L- and LL-group chondritic meteorites".

M. Jercinovic

1. Continued progress towards M.S. degree in Geology, with research on subglacial volcanism in British Columbia carried out in the Institute of Meteoritics.

W. Mansker

1. Completed and defended Ph.D. dissertation in Geology, with research done in the Institute of Meteoritics, entitled "Petrogenesis of nephelinites and melilite nephelinites from Oahu, Hawaii.

S. McKinley

1. Continued progress toward M.S. degree in Geology, with research on meteorites from the 1977 Allan Hills, Antarctic Expedition, carried out in the Institute of Meteoritics.

D. Nealey

1. Continued progress towards Ph.D. degree in Geology and passed Ph.D. Qualifying Exam, with part of his research on volcanic rocks from the White Mountains, Arizona, carried out in the Institute of Meteoritics.

H. N. Planner

1. Completed and defended Ph.D. dissertation in Geology (With Distinction), with research done in the Institute of Meteoritics, entitled "Chondrule thermal history implied from olivine compositional data".

A. Rubin

1. Continued progress towards Ph.D. degree in Geology and passed Ph.D. Qualifying Exam, with research on lithic fragments in chondrites done in the Institute of Meteoritics.

S. Wentworth

1. Continued progress towards M.S. degree in Geology, with research on Apollo 17 drill core done in the Institute of Meteoritics.

- B. Sabbaticals, Leaves of Absence, Summer Teaching Elsewhere, Travel, etc. During Period

Klaus Keil

1. Pomona, California. Visited Geology Department at Pomona College, California, and discussed joint papers as part of Viking Program with Drs. A. K. Baird and B. C. Clark, July 6-7, 1979.
2. Heidelberg, West-Germany. Attended Meteoritical Society Meeting and presented a major, invited talk, a contributed talk, and co-authored 5 additional papers, Sept. 1-16, 1979.
3. Washington, D. C. Attended Antarctic Meteorite Working Group Meeting, National Science Foundation, at Smithsonian Institution, Sept. 21-23, 1979.
4. London, Cambridge, and Oxford, England. Presented major invited paper at the Royal Society Meeting on "Meteorite Research", London, visited Cambridge University, Cambridge, Pergamon Press, Oxford, and attended Royal Astronomical Society Meeting on Asteroids, London, Nov. 3-11, 1979.
5. Baton Rouge, Louisiana. Attended Edison Foundation Meeting and presented invited talk at Louisiana State University, Dec. 7, 1979.
6. La Jolla, California. Attended symposium in honor of H. E. Suess and presented invited paper at the University of California, Dec. 14-15, 1979.
7. Houston, Texas. Served on Program Committee for the 11th Lunar and Planetary Science Conference, L. B. Johnson Space Center, Jan. 27-30, 1980.
8. Houston, Texas. Attended Lunar and Planetary Science Conference, L. B. Johnson Space Center, and co-authored three talks, Mar. 16-21, 1980.
9. Santa Fe, New Mexico. Presented talk to Santa Fe Astronomers, Mar. 27, 1980.
10. Houston, Texas. Served on Antarctic Meteorite Working Group, National Science Foundation, L. B. Johnson Space Center, Apr. 10-13, 1980.
11. Mercury, Nevada, and Las Vegas, Nevada. Visited Nevada Test Site to study tuff, June 3-4, 1980.

G. J. Taylor

1. Houston, Texas. Took 4 trips to the L. B. Johnson Space Center during the report period, for the purpose of studying lunar samples and meteorites, and to map complex breccias and extracting clasts.
2. Houston, Texas. Attended Conference on the Lunar Highlands Crust at the Lunar and Planetary Institute, and presented 2 talks, Nov. 14-16, 1979.
3. Houston, Texas. Attended Lunar and Planetary Science Conference at the L. B. Johnson Space Center, and co-authored 1 talk, Mar. 17-21, 1980.

E. R. D. Scott

1. Houston, Texas. Attended Lunar and Planetary Science Conference, L. B. Johnson Space Center, and presented 1 talk, Mar. 17-21, 1980.

R. Warner

1. Houston, Texas. Attended Conference on the Lunar Highlands Crust at the Lunar and Planetary Institute and presented 1 talk, Nov. 14-16, 1979.
2. Allendale, Michigan. Visited the Department of Geology, Grand Valley State Colleges, and presented 1 talk, Dec. 3, 1979.
3. Toledo, Ohio. Visited the Department of Geology, University of Toledo, and presented 1 talk, Dec. 5, 1979.
4. Auburn, Alabama. Visited the Department of Geology, Auburn University, and presented 1 talk, Dec. 7, 1979.

D. J. Krier

1. Mercury, Nevada. Numerous trips to the Nevada Test Site, to participate in Tuff Heater Experiment and map joints in tuff.

C. Allen

1. San Antonio, Texas. Attend Electron Microscopy Society of America and Microbeam Analysis Society Meetings to study scanning electron microscopes, Aug. 15, 1979.
2. Bend, Oregon. Attended Pacific Northwest Section of American Geophysical Union Meeting and presented 1 talk, Sept. 17-18, 1979.
3. Oahu, Hawaii. Collect rock samples for Mars analog studies, Jan. 12-13, 1980.

4. Houston, Texas. Attended Lunar and Planetary Science Conference at L. B. Johnson Space Center and presented 1 talk, and performed experiments on rock samples in simulated Mars environment, Mar. 17-21, 1980.

5. Tempe, Arizona. Visited Dept. of Geology, Arizona State University, to perform experiments on rock samples in simulated Martian windstorm environments, Apr. 7-8, 1980.

P. Warren

1. Houston, Texas. Attended Lunar and Planetary Science Conference at L. B. Johnson Space Center, presented 1 talk, and studied lunar samples in the Lunar Receiving Laboratory, Mar. 16-27, 1980.

2. Los Angeles, California. Visited Dept. of Chemistry, University of California at Los Angeles, to prepare lunar samples for neutron activation analysis, and to discuss forthcoming papers with J. Wasson, June 19-25, 1980.

G. Conrad

1. São Paulo, Brazil. Visit the Institute of Geological Sciences, University of São Paulo, and assist in modernization of electron microprobe, Aug. - Sept., 1979.

A. Rubin

1. Chicago, Illinois. Visited the Dept. of Geology at the University of Illinois at Chicago Circle, and presented talk, Jan. 3, 1980.

C. New Scholastic Honors, Fellowships, etc.

Klaus Keil

1. Secretary, Commission on Cosmic Mineralogy, International Mineralogical Association.

2. Member, Editorial Board, Journal "Chemical Geology".

3. Member, Editorial Board, Colorado School of Mines Quarterly, Golden, Colorado.

4. Member, Lunar and Planetary Science Council, Universities Space Research Association, Houston, Texas.

5. Member, Antarctic Meteorite Working Group, National Science Foundation.

6. Member, Search Committee for Editor, Geophysical Research Letters, American Geophysical Union.

7. Listed in Who's Who in Technology Today.

8. Chairman, Publications Committee, Geochemical Society and Meteoritical Society.

9. Member, Editorial Board, Tschermak's Mineralogisch Petrographische Mitteilungen, Vienna, Austria.

10. Member, Nominating Committee, Mineralogical Society of America.

C. Allen

1. Elected to Full Membership, Research Society of Sigma Xi.

P. Warren

1. Elected to Full Membership, Research Society of Sigma Xi.

S. Barker

1. Received scholarship from Albuquerque Gem and Mineral Club.

D. Publications

Listed are only publications that have appeared in the report period. Not listed are papers that are in press or in preparation. Since most publications of the Institute of Meteoritics are co-authored by several members of the Institute, only one list of publications is given, rather than duplicating listings on an individual-by-individual basis. Note that to draw your attention to the active participation of students in research of the Institute of Meteoritics, names of student authors and speakers have been underlined.

a) Scientific articles published in major national and international, reviewed journals; scientific publications of the Institute of Meteoritics; as well as books.

1. R. V. Fodor and K. Keil: Review of the mineral chemistry of volcanic rocks from Maui, Hawaii. In "Field Trip Guide to the Hawaiian Islands, Oahu and Maui, Hawaii", Institute of Geophysics, Univ. of Hawaii, Spec. Publ., 93-106, 1979.

2. G. J. Taylor, R. D. Warner and K. Keil: Lunar highland rocks with evolved compositions: fractional crystallization or liquid immiscibility. In "Conf. on the Lunar Highland Crust", Lunar and Planet. Institute, Contr. 394, 166-168, 1979.

3. G. J. Taylor, R. D. Warner, K. Keil, J. Geiss, K. Marti, E. Roedder, R. A. Schmitt and P. Weiblen: The 67915 Consortium: Searching for pieces of the ancient lunar crust. In "Conf. on the Lunar Highland Crust", Lunar and Planet. Institute, Contr. 394, 169-172, 1979.

4. R. D. Warner, G. J. Taylor and K. Keil: Petrology of 60035, a polyolithologic ANT breccia. In "Conf. on the Lunar Highland Crust", Lunar and Planet. Institute, Contr. 394, 189-192, 1979.
5. M. S. Ma, R. A. Schmitt, R. L. Nielsen, G. J. Taylor, R. D. Warner and K. Keil: Petrogenesis of Luna 16 aluminous mare basalts. Geophys. Res. Lett. 6, 909-192, 1979.
6. S. Wentworth, G. J. Taylor, R. D. Warner, K. Keil, M. S. Ma and R. A. Schmitt: The unique nature of Apollo 17 VLT mare basalts. Proc. Lunar Planet. Sci. Conf. 10th, Geochim. Cosmochim. Acta, 207-223, 1979.
7. R. D. Warner, G. J. Taylor, G. H. Conrad, H. R. Northrop, S. Barker, K. Keil, M. S. Ma and R. A. Schmitt: Apollo 17 high-Ti mare basalts: New bulk compositional data, magma types, and petrogenesis. Proc. Lunar Planet. Sci. Conf. 10th, Geochim. Cosmochim. Acta, 225-247, 1979.
8. G. J. Taylor, R. D. Warner and K. Keil: Stratigraphy and depositional history of the Apollo 17 drill core. Proc. Lunar Planet. Sci. Conf. 10th, Geochim. Cosmochim. Acta, 1159-1184, 1979.
9. R. D. Warner, G. J. Taylor and K. Keil: Composition of glasses in Apollo 17 samples and their relation to known lunar rock types. Proc. Lunar Planet. Sci. Conf. 10th, Geochim. Cosmochim. Acta, 1437-1456, 1979.
10. C. C. Allen, J. L. Gooding, and K. Keil: Partially-weathered basaltic glass - A Martian soil analog. Lunar Planet. Sci. XI, LPI, Houston, Texas, 12-14, 1980.
11. J. L. Gooding, K. Keil, T. Fukuoka and R. A. Schmitt: The origin of chondrules as secondary objects: Evidence from chemical-petrological heterogeneities. Lunar Planet. Sci. XI, LPI Houston, Texas, 345-347, 1980.
12. M. S. Ma, R. A. Schmitt, R. D. Warner, G. J. Taylor, S. Barker and K. Keil: Aluminous mare basalts and basaltic-textured KREEPy rocks from Apollo 14 coarse fines. Lunar Planet. Sci. XI, LPI, Houston, Texas, 652-654, 1980.
13. M. S. Ma, R. A. Schmitt, S. Wentworth, G. J. Taylor, R. D. Warner and K. Keil: VLT mare basalt and aluminous mare basalt from Apollo 17 drill core. Lunar Planet. Sci. XI, LPI, Houston, Texas, 655-657, 1980.
14. G. J. Taylor, S. Wentworth, R. D. Warner, M. S. Ma and R. A. Schmitt: Major element compositional variations of KREEP. Lunar Planet. Sci. XI, LPI, Houston, Texas, 1131-1133, 1980.
15. K. Keil and R. V. Fodor: Origin and history of the polymict-brecciated Tysnes Island chondrite and its carbonaceous and non-carbonaceous lithic fragments. Chemie der Erde 39, 1-26, 1980.

16. R. V. Fodor, K. Keil, M. Prinz, M. S. Ma, A. V. Murali and R. A. Schmitt: Clast-laden melt-rock fragment in the Adams County, Colorado, H5 chondrite. *Meteoritics* 15, 41-62, 1980.
17. G. Kurat, A. Kracher and K. Keil: Luna 16 microbreccia lithic fragments: Samples of an early basalt filling of Mare Fecunditatis. *Tschermak's Mineral. Petrogr. Mitt.* 27, 41-66, 1980.
18. G. J. Taylor and A. B. Mosie: Breccia Guidebook No. 3: 67915. Publ. 50, L. B. Johnson Space Center, Houston, Texas, 1-43, 1979.
19. G. J. Taylor: A close look at the moon. Dodd, Mead and Comp., New York, New York, 1-95, 1979.
20. C. C. Allen: Volcano-ice interactions on Mars. *J. Geophys. Res.* 84, 8048-8059, 1979.
21. J. L. Berkley and J. F. Callender: Pre-cambrian metamorphism in the Placitas-Juan Tabo area, northwestern Sandia Mountains, New Mexico. *N. M. Geol. Soc. Guidebook*, 30th Field Conf., Santa Fe County, 181-188, 1979.
22. C. C. Allen: Areal distribution of Martian rampart craters. *Icarus* 39, 111-123, 1979.
23. A. E. Rubin and C. C. Allen: Tectonically deformed impact craters on Venus. *Lunar Planet. Sci. XI*, LPI, Houston, Texas, 955-957, 1980.
24. J. T. Wasson and P. H. Warren: Contribution of the mantle to the lunar asymmetry. *Lunar Planet. Sci. XI*, LPI, Houston, Texas, 1220-1221, 1980.
25. A. Rubin: The magnetic earth. *Griffith Observer* 44, 2-9 1980.
26. C. C. Allen: Icelandic subglacial volcanism: Thermal and physical studies. *J. Geol.* 88, 108-117, 1980.
27. E. R. D. Scott and R. S. Rajan: Thermal history of some xenolithic ordinary chondrites. *Lunar Planet. Sci. XI*, LPI, Houston, Texas, 1015-1017, 1980.
- b) Abstracts published in proceedings of meetings and in journals.
28. K. Keil: Chemistry, mineralogy and origin of chondrules. The Royal Society, London, England, 1979.
29. J. R. Arnold, M. J. Herndon, D. Lal, G. W. Lugmair, K. Marti, K. Nishizumi, J. Wacker, D. Bogard, W. Boynton, L. L. Wilkening, R. H. Clayton, K. Keil, A. Rubin, M. Tatsumoto and J. T. Wasson: Progress in the Abee Consortium. *Meteoritics* 14, 337-338, 1979.

30. B. C. Clark, A. K. Baird and K. Keil: Composition and cosmochemical context of the surface fines on Mars. *Meteoritics* 14, 367, 1979.
31. J. L. Gooding, K. Keil, T. Fukuoka and R. A. Schmitt: The metal components of chondrules. *Meteoritics* 14, 404-407, 1979.
32. G. Kurat, A. Kracher and K. Keil: Luna 16 microbreccia lithic fragments: Samples of an early basalt filling of Mare Fecunditatis. *Meteoritics* 14, 463-464, 1979.
33. D. E. Lange, K. Keil and C. B. Gomes: The Mafra meteorite and its lithic clasts: A genomict L-group chondrite breccia. *Meteoritics* 14, 472-473.
34. H. N. Planner and K. Keil: Evidence for an isothermal event in chondrule thermal history. *Meteoritics* 14, 517-518, 1979.
35. E. R. D. Scott and R. S. Clarke: Identification of clear taenite in meteorites as ordered FeNi. *Meteoritics* 14, 532-533, 1979.
36. E. R. D. Scott and R. S. Rajan: Thermal history of some xenolithic chondrites. *Meteoritics* 14, 533-534, 1979.
37. K. Keil: Geological aspects of nuclear waste disposal. Edison Foundation Meeting, German Museum, Munich, Germany, 1979.
38. C. C. Allen: Volcano-ice interactions on Mars. *EOS* 60, 696, 1979.
39. C. C. Allen: Subglacial volcanism in Iceland. *EOS* 61, 69, 1980.
- c) Professional papers presented (speaker*).
40. K. Keil*: Geological aspects of nuclear waste disposal. Teachers Workshop, Minneapolis, Minn., June 28, 1979.
41. D. E. Lange, K. Keil* and C. B. Gomes: The Mafra meteorite and its lithic clasts: A genomict L-group chondrite breccia. *Meteoritical Soc. Meeting*, Heidelberg, Germany, Sept. 3, 1979.
42. J. R. Arnold, D. Bogard, W. Boynton, R. N. Clayton, M. J. Herndon, K. Keil, D. Lal, G. W. Lugmair, K. Marti*, K. Nishiizumi, A. Rubin, M. Tatsumoto, J. Wacker, J. T. Wasson and L. L. Wilkening: Progress in the Abee consortium. *Meteoritical Soc. Meeting*, Heidelberg, Germany, Sept. 4, 1979.
43. B. C. Clark*, A. K. Baird and K. Keil: Composition and cosmochemical context of the surface fines of Mars. *Meteoritical Soc. Meeting*, Heidelberg, Germany, Sept. 4, 1979.
44. H. N. Planner* and K. Keil: Evidence for an isothermal event in chondrule thermal history. *Meteoritical Soc. Meeting*, Heidelberg, Germany, Sept. 6, 1979.

45. K. Keil*: Chondrules: Properties and origin. Meteoritical Soc. Meeting, Heidelberg, Germany, Sept. 6, 1979.
46. R. Warner*: Composition of Apollo 17 high-Ti mare basalts. Geomechanics Division, Sandia Laboratories, Albuquerque, N. M., Sept. 6, 1979.
47. G. Kurat*, A. Kracher and K. Keil: Luna 16 microbreccia lithic fragments: Samples of an early basalt filling of Mare Fecunditatis. Meteoritical Soc. Meeting, Heidelberg, Germany, Sept. 7, 1979.
48. C. C. Allen*: Subglacial volcanism in Iceland. Meeting of the Pacific Northwest Section, Amer. Geophys. Union, Bend, Oregon, Sept. 17-18, 1979.
49. K. Keil*: Geological aspects of nuclear waste disposal. 21 Club, Univ. of New Mexico, Albuquerque, N. M., Oct. 22, 1979.
50. K. Keil*: Chemistry, mineralogy and origin of chondrules. Royal Society Meeting on "Meteorite Research, London, England, Nov. 6, 1979.
51. G. J. Taylor*, R. D. Warner and K. Keil: Lunar highland rocks with evolved compositions: fractional crystallization or liquid immiscibility. Conf. on the Lunar Highland Crust, Houston, Texas, Nov. 14-16, 1979.
52. G. J. Taylor*, R. D. Warner, K. Keil, J. Geiss, K. Marti, E. Roedder, R. A. Schmitt and P. Weiblen: The 67915 Consortium: Searching for pieces of the ancient lunar crust. Conf. on the Lunar Highland Crust, Houston, Texas, Nov. 14-16, 1979.
53. R. D. Warner*, G. J. Taylor and K. Keil: Petrology of 60035, a polyolithologic ANT breccia. Conf. on the Lunar Highland Crust, Houston, Texas, Nov. 14-16, 1979.
54. K. Keil*: Jupiter and its moons: Results of the Voyager fly-by mission. Dept. of Geology Seminar, Univ. of New Mexico, Albuquerque, N. M., Nov. 29, 1979.
55. R. Warner*: Petrology of Apollo 17 high-Ti mare basalts. Dept. of Geology, Grand Valley State Colleges, Allendale, Mich., Dec. 3, 1979.
56. R. Warner*: Petrology of Apollo 17 high-Ti mare basalts. Dept. of Geology, University of Toledo, Ohio, Dec. 5, 1979.
57. R. Warner*: Petrology of Apollo 17 high-Ti mare basalts. Dept. of Geology, Auburn University, Auburn, Alabama, Dec. 7, 1979.
58. K. Keil*: Geological aspects of nuclear waste disposal. Edison Foundation Meeting, Louisiana State University, Baton Rouge, Louisiana, Dec. 7, 1979.
59. K. Keil*: Evolution of our solar system: Evidence from

the study of meteorites and planets. Sigma Xi lecture, New Mexico Institute of Mining and Technology Chapter, Socorro, N. M., Dec. 12, 1979.

60. K. Keil*: Suessite, Fe_3Si , a new mineral from the North Haig ureilite. Chemistry Department, Univ. of California La Jolla, California, Dec. 14, 1979.

61. A. Rubin*: Tectonically deformed impact craters on Venus. Dept. of Geology, University of Illinois at Chicago Circle, Chicago, Illinois, Jan. 3, 1980.

62. E. R. D. Scott* and R. S. Rajan: Thermal history of some xenolithic ordinary chondrites. 11th Lunar and Planet. Sci. Conf., Houston, Texas, Mar. 17-21, 1980.

63. P. H. Warren* and J. T. Wasson: Further foraging for pristine nonmare rocks. 11th Lunar and Planet. Sci. Conf., Houston, Texas, Mar. 17-21, 1980.

64. C. C. Allen*, J. L. Gooding, and K. Keil: Partially-weathered basaltic glass - A Martian soil analog. 11th Lunar and Planet. Sci. Conf., Houston, Texas, Mar. 17-21, 1980.

65. J. L. Gooding*, K. Keil, T. Fukuoka and R. A. Schmitt: The origin of chondrules as secondary objects: Evidence from chemical-petrological heterogeneities. 11th Lunar and Planet. Sci. Conf., Houston, Texas, Mar. 17-21, 1980.

66. M. S. Ma*, R. A. Schmitt, R. D. Warner, G. J. Taylor, S. Barker and K. Keil: Aluminous mare basalts and basaltic-textured KREEPY rocks from Apollo 14 coarse fines. 11th Lunar and Planet. Sci. Conf., Houston, Texas, Mar. 17-21, 1980.

67. K. Keil*: Meteorites as probes of the early history of the solar system. Santa Fe Astronomers, Santa Fe, N. M., Mar. 27, 1980.

68. K. Keil*: Jupiter and its moons: Results of the Voyager Missions. Albuquerque Geological Society, Albuquerque, N. M., Apr. 1, 1980.

69. K. Keil*: Jupiter and its moons: Results of the Voyager Missions. Alpha Omega Alpha Ann. Banquet, UNM Medical School Branch, Albuquerque, N. M., Apr. 30, 1980.

E. Other Research Projects or Creative Work in Progress or Completed During Period.

Klaus Keil

The following research grants and contracts were in effect during the report period.

1. Research grant from NASA Headquarters, Washington, D. C.,
"Mineralogy, petrology and chemistry of brecciated stone meteorites".
Mar. 1, 1977 - Feb. 28, 1980 \$ 153,380.00
2. Research grant from NASA L. B. Johnson Space Center,
Houston, Texas, entitled "Mineralogy, petrology and chemistry
of breccias, mare basalts and cores".
Feb. 1, 1977 - Jan. 31, 1980 185,548.00
3. Research grant from NASA L. B. Johnson Space Center,
Houston, Texas, entitled "Mineralogy, petrology and chemistry
of breccias, mare basalts and cores".
Feb. 1, 1978 - Jan. 31, 1981 180,996.00
4. Research grant from NASA Headquarters, Washington, D. C.,
entitled "The formation and evolution of stony meteorites".
Mar. 1, 1978 - Feb. 28, 1981 145,597.00
5. Research contract with Sandia Laboratories, Albuquerque,
N. M., entitled "Shale and tuff in Nevada: Potential for
nuclear waste disposal".
Oct. 1, 1978 - Sept. 30, 1979 78,876.00
6. Research grant from NASA Headquarters, Washington, D. C.,
entitled "The formation and evolution of stony meteorites".
Mar. 1, 1979 - Feb. 28, 1981 102,390.00
7. Research grant from NASA Headquarters, Washington, D. C.,
entitled "Chemical weathering on Mars: Theoretical and terrestrial
analog studies of possible processes and products".
Mar. 1, 1979 - Feb. 28, 1981 100,839.00
8. Research grant from NASA L. B. Johnson Space Center,
Houston, Texas, entitled "Origin and evolution of lunar
crust, mare basalts and regolith".
Feb. 1, 1979 - Feb. 28, 1981 121,995.00
9. Supplement to item 8 2,500.00
10. Research contract with Sandia Laboratories, Albuquerque,
N. M., entitled "Shale and tuff in Nevada: Potential for
nuclear waste disposal".
Oct. 1 - Nov. 30, 1979 7,216.00
11. Research contract with Sandia Laboratories, Albuquerque,
N. M., entitled "Shale and tuff in Nevada: Potential for
nuclear waste disposal".
Dec. 1, 1979 - Sept. 30, 1980 26,624.00
12. Research Grant from NASA Headquarters, Washington, D. C.,
entitled "The formation and evolution of stone meteorite
parent bodies".
Mar. 1, 1980 - Feb. 28, 1981 85,741.00

13. Research Grant from NASA L. B. Johnson Space Center,
Houston, Texas, entitled "Origin and evolution of the lunar
crust and mare basalts".
Feb. 1, 1980 - Jan. 31, 1981 \$ 99,910.00

Total grants and contracts in effect in the
report period \$1,291,612.00

F. Activities in Learned and Professional Societies

Note: Not listed here are talks presented before meetings
of professional societies. These have already been listed
under item Dc, "Professional papers presented", and are not
repeated here.

Klaus Keil

1. Secretary, Commission on Cosmic Mineralogy, International
Mineralogical Association.
2. Member, Search Committee for Editor, Geophysical Research
Letters, American Geophysical Union.
3. Chairman, Publications Committee, Geochemical Society and
Meteoritical Society.
4. Member, Nominations Committee, Mineralogical Society of
America.

E. R. D. Scott

1. Member of the Council, Meteoritical Society.
2. Member, Leonard Medal Committee, Meteoritical Society.

G. Other Professional Activities

Klaus Keil

1. Consultant, Sandia Laboratories, Albuquerque, N. M.
2. Reviewed six (6) lunar sample proposals submitted to NASA
for funding.
3. Reviewed eight (8) scientific papers submitted for publication
to the American Mineralogist; Earth & Planetary Science Letters;
Geochimica et Cosmochimica Acta; Meteoritics; Science; and Nature.
4. Several interviews with Lobo, Tribune and Albuquerque Journal
regarding space research in the Institute of Meteoritics.
5. Leader of the consortium study of Lunar Rock 67435 (Pink
Spinel Troctolite).

6. Served as organizer for a session on Antarctic Meteorites to be held at the forthcoming (1980) Lunar and Planetary Science Conference.

7. Served on Program Committee for the 11th Lunar and Planetary Science Conference, Houston, Texas.

8. Hosted 21 Club Meeting, Albuquerque, N. M.

9. Presented talk on "Jupiter and its moons: Results of the Voyager missions", to Dr. J. Callender's 100 class, UNM, Mar. 12, 1980.

10. Hosted Annual Meeting of the Southwest Probe Users Group, Albuquerque, N. M., Apr. 15, 1980.

G. J. Taylor

1. Member, Lunar and Planetary Review Panel, Lunar and Planetary Institute, Houston, Texas.

2. Associate Editor, Proceedings of the 11th Lunar and Planetary Science Conference.

3. Reviewed articles submitted for publication in Geochim. Cosmochim. Acta (2), J. Geology (1), Meteoritics (2), Conference on the Lunar Highlands Crust (1), Proc. of the 11th Lunar and Planetary Science Conference (10).

4. Reviewed one proposal submitted to the National Science Foundation and about twenty proposals submitted to NASA.

E. R. D. Scott

1. Reviewed several papers for Nature and Meteoritics.

R. Warner

1. Part-time instructor, Geology Department, UNM. Taught Geology 101: Physical Geology, Jan. - June, 1980.

2. Reviewed two papers submitted to the Proceedings of the 11th Lunar and Planetary Science Conference and one paper for Earth and Planetary Science Letters.

C. C. Allen

1. Presented talk on "Subglacial volcanic eruptions in Iceland", Sandia Laboratories, Albuquerque, N. M., Feb. 21, 1980.

P. Warren

1. Served on LAPST Nomenclature Committee, Lunar and Planetary Institute, Houston, Texas.

2. Reviewed papers submitted for publication in J. Geophys. Res. (1), Proc. 11th Lunar and Planetary Science Conference (3), and Proc. Conf. Lunar Highland Crust (2).

3. Participated in the Geology Department Open House, UNM, May 3, 1980.

G. Conrad

1. Participated in Geology Department, UNM, Open House, May 3, 1980.

2. Approximately 10 private tours of the electron microprobe laboratory, as well as showings of moon rocks.

S. Barker

1. Guided approximately 7 groups through electron microprobe laboratory.

2. Participated in Geology Department, UNM, Open House, May 3, 1980.

M. Jercinovic

1. Participated in Geology Department, UNM, Open House, May 3, 1980.

H. Non-teaching University Service

Klaus Keil

1. Administration of Institute of Meteoritics and its collections.

2. Chairman and member of several thesis and dissertation committees in the Department of Geology.

3. Member of the A & S Committee on Academic Programs.

4. Served on UNM - University of São Paulo joint research and exchange program committee.

5. Participated in Parent Day, UNM.

6. Chaired the Examinations Committee and Search Committee for a Stable Isotope geochemist and served on the graduate committee Dept. of Geology, UNM.

7. Served on the A & S Search Committee for a new Dean, UNM.

8. Taped UNM movie on research in Institute of Meteoritics, with emphasis on Mars and cosmochemistry research, Feb. 22, 1980.

9. Hosted Geochemistry class, Los Alamos Branch, University of New Mexico, Feb. 23, 1980.

A. Okada

1. Analyzed fossil bone for Dr. Minear, UNM Medical School - Anthropology.

I. Public Service

Klaus Keil

1. Many private showings of moon rocks to interested citizens, school classes, civic groups, etc., many of which were after working hours and on weekends.
2. Many private showings of the meteorite museum to interested citizens, school classes, civic groups, etc., many of which were after working hours and on weekends.
3. Investigated without charge many rocks suspected to be meteorites and brought to the Institute by citizens.
4. Presented talk on "Meteorites as probes of the early history of the solar system", Albuquerque Astronomers, Oct. 20, 1979.
5. Presented talk on "Careers in geological and planetary sciences" at the Career Enrichment Center, Albuquerque, N. M., Nov. 20, 1979.
6. Presented talk on "Jupiter and its moons: Results of the Voyager fly-by missions", Albuquerque Gem and Mineral Club, Nov. 26, 1979.
7. Presented talk on "Voyager and the exploration of Jupiter and its moons", Career Enrichment Center, Astronomy Class, Albuquerque, N. M., Nov. 28, 1979.
8. Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Career Enrichment Center, Astronomy Class, Albuquerque, N. M., Jan. 3, 1980.
9. Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Boy Scouts, Albuquerque, N. M., Feb. 5, 1980.
10. Hosted visit of Astronomy 101 class from New Mexico Institute of Mining and Technology, Socorro, N. M., Feb. 13, 1980.
11. Presented talk on "Jupiter and its moons: Results of the Voyager Missions", at the Albuquerque Museum, Albuquerque, N. M., Feb. 14, 1980.
12. Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Career Enrichment Center, Albuquerque, N. M., May 6, 1980.

13. Presented talk on "Jupiter and its moons: Results of the Voyager Missions", Breakfast Club, Albuquerque, N. M., May 16, 1980.

G. J. Taylor

1. President, Whittier Elementary School Parent-Faculty Club.
2. Member, Committee on School Boundary and Organization, Albuquerque Public Schools.
3. Tour of Institute, microprobe lab to Roy Brown of Johnson Space Center, July 17, 1979.
4. Showed meteorite and lunar samples to students in UNM Summer Enrichment Program, July 19, 1979.
5. Tour of museum and moon rocks to group from A Child's Garden Pre-School, Oct. 16, 1979.
6. Tour of meteorite museum to 50 students from Jefferson Elementary School, Jan. 11, 1980.
7. Tour of museum and moon rocks to group from A Child's Garden Pre-School, Jan. 12, 1980.
8. Tour of meteorite museum and microprobe lab to students in Geology 410 (Los Alamos), Feb. 23, 1980.
9. Talk at Southwest Gem and Mineral Society Show, State Fair Grounds, Mar. 29, 1980.
10. Talk at Geology Open House, May 3, 1980.
11. Tour of meteorite museum to first graders from Alameda Elementary School, May 8, 1980.
12. Talk and tour of museum to group from Parkland College, June 3, 1980.
13. Tour of museum and lunar samples to students in UNM Summer Enrichment Program, June 18, 1980.

E. R. D. Scott

1. Investigated rock suspected to be meteorite.

C. C. Allen

1. Presented talk on "Military intelligence gathering by satellite", Albuquerque Naval Reserve Units, Feb. 10, 1980.

2. Presented talk on "A space-age view of the Earth, Mars, and Venus", Los Alamos Geology Club, Los Alamos, N. M., May 20, 1980.

J. Allen

1. Talk/demonstration to Brownie Troup on "You too can be a scientist", Mar. 1980.
2. Participated in Geology Department, UNM, Open House, May 3, 1980.

J. Personal Information

E. R. D. Scott

1. Married to Anneliese V. Sullivan, May 10, 1980.

A. Rubin

1. Became engaged to Dorene Hamerman, Apr. 15, 1980.

JULY 1, 1979 - June 30, 1980

GERALD D. NASH, CHAIRMAN

Herewith I submit the Annual Report of the Department of History for 1979-80. During the past year the Department was actively engaged in its teaching function and offered new courses that would be attractive to students in various disciplines. The Department experimented by offering the Basic Skills course for students who were not sufficiently prepared to take regular Freshmen courses.

During the spring of 1980 the Department underwent a transition in Chairpersons with the expiration of Professor Gerald D. Nash's term and the appointment of Professor Janet Roebuck as Chairperson of the Department beginning in the fall of 1980.

While the Department continues to publish the New Mexico Historical Review and The Historian, it will welcome the Hispanic American Historical Review, which will move to the University of New Mexico beginning in July, 1980.

Further details on these developments may be found in the following pages of this report.

I. GENERAL DEPARTMENTAL INFORMATION

A. Significant Achievements

1. The following courses were added to the History Curriculum:

100. Social Sciences (Basic Skills)

Cross-listed with: Sociology, Psychology,
Anthropology, Political Science, Economics,
American Studies.

306. History of Christianity 1517 to Present.

2. The following courses were added to the History schedule under 320, "Studies in History."

"Gods, Myths and Heroes"

"Family in American History"

"History of Christianity"

"The West: Myth and Reality"

"Military History"

"American Religious History"

"Law in History."

3. Activities Beyond the Formal Curriculum:

- a. Two History journals, The Historian, Editor Gerald D. Nash and the New Mexico Historical Review, Editor Richard Etulain, continue to publish in the Department.
- b. The Low Countries Newsletter was edited by Professor Steven Kramer.
- c. Professor John Johnson (Professor Emeritus, Stanford University) will assume the editorship of the Hispanic American Historical Review, in the academic year 1980-81. Professor Peter Bakewell will be Associate Editor and Professor Edwin Lieuwen the Book Review Editor.
- d. Professor Steven Kramer was co-director of the French Summer School in Taos in the summer of 1979 and will also assume the same

position in the summer of 1980. Professor Charles McClelland is a member of the faculty of the German Summer School in Taos.

- e. The fifth issue of the departmental Newsletter was edited by Professor Anne Boylan and distributed in the spring to 400 universities and History Department Ph.D. alumni.
- f. The History Department participated in a workshop on the role and responsibilities of the College of Arts and Sciences in the preparation of public school teachers and development of curriculum. The History Department proposed that a course be offered designed to bring public school teachers at the secondary level into direct contact with new work methods and directions in the teaching of History.
- g. The Department of History, the University of New Mexico Committee on Asian Studies and the University of New Mexico Albuquerque Committee on Foreign Relations co-sponsored a conference on "Middle East Oil and New Mexico: The Burning Question." Professors Arnold Kaminsky and Gerald Nash participated in the day-long program. Mr. J. Alan Cope represented the Continental Oil Company and spoke on "Conoco's Perspective."
- h. Professor Joyce Lebra, University of Colorado,

Boulder, delivered a public lecture on October 4. Her topic was "Women in Asia."

- i. The Departments of History and Political Science co-sponsored the lecture of Professor Melvin Gurtov, University of California, Riverside, on "China-Vietnam Confrontation: A Radical-Humanist Perspective" on October 8.
- j. On November 14, Professor John Scarborough, University of Kentucky, gave a public lecture on "Greek and Roman Medicine," and a seminar on "The History of Medicine: Approaches and Problems."
- k. The Department was host to Professor Detlef K. Müller of the Pedagogical Institute, University of the Ruhr, Bochum, Germany on March 4. Professor Müller spoke on "School Reform and Society in Nineteenth Century Germany."
- l. Lt. Col. Joseph Guilmartin, editor of The Air Force Review (Princeton 1971) gave a public lecture on "The Military Historian and the Face of Battle" on March 5.
- m. Professor Michael Weisser, University of South Carolina, conducted a colloquium and gave a public lecture on "The Decline of Spain" on March 6.
- n. On April 11, Peter N. Stearns (Heinz Professor of History at Carnegie-Mellon University,) gave a public lecture on "The Old and the New in European Studies."

- o. Professor Dwijendra Tripathi, Professor of Business History at the Indian Institute of Management, Ahmedabad, India was a guest lecturer in the Department on February 11. He spoke on the subject of "Indian Politics since the Election of 1977."
- p. Robert K. Massie, internationally known scholar and author, (Nicholas and Alexandra) gave a public lecture on April 10 as part of International Week at UNM on "Reflections on the Russian Revolution."
- q. Professor Frank Ikle participated in Japan in Albuquerque symposium in April.
- r. Although History enrollments nationally continued to sag, enrollment at UNM in the fall semester remained stable. A slight decrease was noticed in spring semester.
- s. The Department polled its graduating seniors in the fall of 1978 and 1979 and found that of those reporting: (54 students) 46 planned to continue their education, 8 did not. Of the group intending to continue, 20 planned to attend UNM. Others expressed an intention to attend the University of Michigan, University of Oregon, University of

Alaska, Rice University, University of San Diego, Cornell, University of Texas, University of Tennessee, Arizona State, Louisiana State, University of Western Florida, and the Dallas Theological Seminary. Fifteen students planned to continue in History. Others intended to major in Economics, Business Administration, Law, Political Science, Education, and Theology. Thirty-three planned to seek a job upon graduation; nineteen did not. Twenty-five had job offers. These jobs included Peace Corps, Air Force, Marines, Navy, Civil Service, Real Estate, salesman, banking, personnel, VISTA, secondary teacher, archeology and fish and game management. Jobs were located in such diverse places as Athens, Greece, Pensacola, Florida, Seattle, Washington, Arkansas, Alaska and Sweeney, Texas.

- t. Approximately 40 parents and faculty met informally in the History Multi-Purpose Room for Parent's Day. They listened to a series of mini-lectures by Professor Charlie Steen ("Medieval Churches of France"), Professor David Maciel, ("Illegal Immigration: Myth or Reality"), Professor

Peter Bakewell ("The Conquest of Mexico").

- u. An informal get together for History undergraduate students was held in the departmental Multi-Purpose Room on April 8. Approximately 60 students and faculty attended.
- v. The History Department held its annual dinner for faculty, staff and graduate students on April 30.

4. HONORS

- a. The Phi Alpha Theta International History Honorary Society's William M. Dabney Award for the best graduate student paper read at a Phi Alpha Theta conference was awarded to Michael Casillas.
- b. Salome Hernandez was awarded the first France V. Scholes Memorial Award.
- c. Graduate Tuition Fellowship was awarded to Peter Linder.
- d. The first Dorothy Woodward Memorial Fellowship to aid the research of a graduate student in Southwestern history was awarded to Rosalind Rock.
- e. The Charles Florus Coan Award for the graduating senior with the highest GPA was awarded to Peter Linder.

- f. The Grunsfeld Award recipients were Thomas A. Simpson and Donna McBroom.

5. TEACHING POSITIONS HELD BY 1979-80 GRADUATES:

Ph.D's.

- a. Ronald Carden, South Plains Junior College, Levelland, Texas.
- b. Richard Melzer, Parks College

B. APPOINTMENTS TO STAFF

1. Visiting or Part-time Appointments

- a. Anne Boylan, Visiting Assistant Professor. U.S. surveys and History of the Family.
- b. Roxanne Dunbar-Ortiz, 1/2 time Visting Assistant Professor; 1/2 time Director Native American Center, Semester I and II, 1978-79.
- c. Arnold Kaminsky, Visiting Assistant Professor. Far Eastern History; Basic Skills.
- d. Professors Donald Cutter and Carl Hanson taught the History of New Mexico and the History of the Southwest at the Santa Fe Graduate Center.

2. New Faculty Appointments.

- a. Richard W. Etulain, Professor of History (American West), Editor, New Mexico Historical Review.
- b. David Maciel, Associate Professor (Southwest, Latin America, Chicano History).

- c. William Roberts, Assistant Professor
(U.S., Military History).

3. Assistant Chairman:

Semester II 1979: Professor Jake Spidle

Semester I, 1980: Professor Charlie Steen

4. New Staff:

- a. Thelma Clements, Staff Secretary replacing
Barbara Wilkins, August 1979.
- b. Janna Bryson, replacing Thelma Clements,
January, 1980.

PROMOTIONS

Robert Kern to Full Professor

TENURE

Jane Slaughter

II. Composite of information requested on individual biographical supplements: (period January 1 - December 31, 1979).

1. ADVANCED STUDY

- | | |
|-----------------------|---|
| DUNBAR ORTIZ, Roxanne | Summer Institute (6 weeks) in Quantification for Historians, Newberry Library, Chicago (Professional Certificate to teach quantitative methodology). |
| MACIEL, David R. | Post-doctoral study at University of Michigan (Summer, 1979). |
| ROBERTS, William R. | 8/23/79--dissertation defended and accepted, Johns Hopkins Univ.; dissertation title--Loyalty and Expertise: The Transformation of Nineteenth-Century American General Staff and the Creation of the Modern Military Establishment. |

2. SABBATICALS, SUMMER TEACHING, TRAVEL, ETC.

- | | |
|-----------------------|---|
| BAKEWELL, Peter J. | Spring term 1979. |
| BERTHOLD, Richard M. | Two months travel in Greece. |
| BOYLAN, Anne M. | Summer research (June & July), New York, Boston. |
| CONNIFF, Michael L. | Research in Panama and Jamaica, June-July 1979, for project entitled, "West Indian Negroes in Panama, 1850-1980." |
| CUTTER, Donald C. | On special leave, Spring 1979. Research & lecturing in Spain. Trips to Canary Islands, to Ibiza, and by automobile via France to Belgium, and subsequently from New York to Albuquerque. |
| DUNBAR ORTIZ, Roxanne | Consultant and Instructor in the Northern Plains Institute Summer Seminar for Teachers, Univ. of Nebraska, Lincoln.
Consultant for UCLA American Indian Research Institute on the Nixon Era. |

ELLIS, Richard M.	Leave of absence, Spring Semester; travel in Europe.
KERN, Robert	Graduate Center, Santa Fe, New Mexico, June--August.
KOLCHIN, Peter	Sabbatical, fall semester 1979.
LIEUWEN, Edwin	Research, March 1979, Bancroft Library, Berkeley, California. Research, August 1979, Hemeroteca Nacional, Mexico City.
MCCLELLAND, Charles E.	Taught history (in German) at Fourth Session, German Summer School of UNM in Taos, NM. Research travel to Palo Alto, California in December-January 1978-1979. Research travel to Washington, D.C. mid-May to mid-June 1979.
PORTER, Jonathan	Travel to Hong Kong and Macau, January.
ROBBINS, Richard G. Jr.	Travel to New York, Washington, and Boston for research purposes during the summer of 1979.
SPIDLE, Jake W.	On special leave (released time) from June 1, 1979 through December 31, 1979, assigned to the Air Force Weapons Laboratory, Kirtland Air Force Base, to write a special project history for the USAF/Air Force Systems Command on the laboratory's high energy laser program.

3. NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

BOYLAN, Anne M.	National Endowment for the Humanities Summer Stipend.
CONNIEFF, Michael L.	Received Fulbright award for 6-month research on "West Indian Negroes in Panama, 1850-1980. Special Presidential Recognition award, UNM, for outreach recruitment efforts.
CUTTER, Donald C.	Named History Consultant to 16th Air Force. Received grant as

- principal U.S. researcher on a cooperative grant project "Research and presentation of Museum Objects ..." under Treaty of Friendship and Cooperation between Spain and the United States for \$24,500.
- DUNBAR ORTIZ, Roxanne
Nominated by the University of New Mexico administration as one of three humanities scholars for the National Endowment for the Humanities Fellowship.
- ELLIS, Richard W.
Senior lecturer at Aarhus University, Aarhus Denmark under Fulbright program. Scholar of the year, American Women's Club in Denmark. Grant from American Women's Club in Denmark for seminar on Western Films.
- ETULAIN, Richard W.
President, Western Literature Association, 1978-79.
- IKLÉ, Frank W.
Invitation to attend Jefferson Lecture on the Humanities, by NEH, (National Endowment for the Humanities), Washington, D. C. April.
- KERN, Robert
Membership in Catalan Academy of Arts & Sciences (Associate Corresponding member); Board of Reader, Journal of Modern History, University of Chicago, Chicago, Ill.
- KOLCHIN, Peter
John Simon Guggenheim Memorial Foundation Fellowship, 1979-80.
- MCCLELLAND, Charles E.
Travel and maintenance grant, UNH Research Allocations Committee, May-June 1979.
- MACIEL, David R.
Southern Fund Fellowship. Faculty Research Allocations Grant.
- ROBBINS, Richard G. Jr.
Selected by the International Research and Exchanges Board (IREX) for participation in the exchange of Senior Research Scholars between the USSR Academy of Sciences and the ACLS.

SLAUGHTER, M. Jane

Nominated by University for Radcliffe College, Bunting Institute Fellowship, Fall 1979.

4. PUBLICATIONS

BOOKS

DUNBAR ORTIZ, Roxanne

Economic Development in American Indian Reservations (ed.), Native American Studies, UNM, 1979, 157 pp.
Report on Economic Development in Indian Reservations in New Mexico, June 1979, NAS:UNM: 30 pp.

ETULAIN, Richard W.

Jack London on the Road. Logan: Utah State U. Press, 1979.
Idaho History: A Bibliography. Pocatello: Idaho State U. Press, 1979.
The New Frontier: The Twentieth Century West. (A series of ten taped lectures). Everett/Edwards, Deland, Florida, 1979. (editor and contributor)

McCLELLAND

State, Society and University in Germany, 1700-1914. Cambridge U. Press, 1979.

NASH, Gerald D.

The Great Depression and World War II, St. Martin's Press (1979) 2nd. printing.

PUGACH, Noel H.

Paul S. Reinsch: Open Door Diplomat in Action (Millwood, NY: KTO Press, 1979) 310 pp.
Urban Development in 19th Century London Phillimore, London. 1979.

ARTICLES

BOYLAN, Anne M.

"The Role of Conversion in 19th-Century Sunday Schools," American Studies, XX (Spring, 1979), 35-48.
"Sunday Schools and Changing Evangelical Views of Children in the 1820s," Church History (September 1979), 320-333.

CONNIFF, Michael L.

"Os tenentes no poder: uma nova perspectiva da Revolução de 1930," in Os militares e a Revolução de 30, ed. Eurico de Lima Figueriredo, (Rio: Paz e Terra, 1979), pp. 131-61.

ARTICLES:

CONNIFF Contd.

"Populism in Brazil," Papers of the American Historical Association, 1978 annual meeting. (Ann Arbor: University Microfilms Int'l. 1979).

CUTTER, Donald C.

"Spanish Scientific Exploration Along the Pacific Coast" in Weber (ed.), New Spain's Far Northern Frontier (UNP Press, 1979), pp. 35-47. "Algunas influencias concretas de lo hispanico en la legislacion de los Estados Unidos" in Las Culturas Hispanicas en los Estados Unidos de America (Madrid, 1978), pp. 123-135. "Catalnes en California" in 30 Dias (Barcelona, 1979), pp. 1-2.

DABNEY, William M.

"Cowpens, Battle of," The Encyclopedia of Southern History, eds. Roller and Twyman (Baton Rouge and London, 1979), p. 306. "Drayton Family," ibid., pp. 369-370.

DUNBAR ORTIZ, Roxanne

"Colonialism and the Role of Women: The Pueblos of New Mexico," in Southwest Economy and Society, Vol. 4, No. 2, Winter, 1979: 28-46. "Pueblo Self-Determination and the Santa Fe Indian School," in Pueblo News, Oct. 1979: 6-7.

ELLIS, Richard N.

"Robert L. Bennett," in The Commissioners of Indian Affairs, ed. by Kvasnicka and Viola, pp. 325-331. "Robert G. Athearn," in Great Plains Journal, v. 18, 1979, p. 5-9. "Introduction," Missions and Pueblos of the Old Southwest, Rio Grande Press, 1979.

ETULAIN, Richard W.

"The Western." A Handbook of American Popular Culture, ed. H. Thomas Inge. Westport, Conn.: Greenwood Publishers, 1978, 1979, pp. 355-76. "Western History and Literature: A Re-examination." The American West: A Reappraisal, ed. Jerome Steffen. Norman: University of Oklahoma Press, 1979, pp. 152-74.

ETULAIN, ARTICLES contd.

"Ernest Haycox: Popular Novelist of the Northwest." Northwest Perspectives: Essays on the Culture of the Pacific Northwest, eds. E. R. Bingham and Glen A. Love. Eugene and Seattle: University of Washington Press, 1979, pp. 137-150.

"The Modern Literary West." Taped lecture in The New Frontier: The Twentieth Century West. Deland, Florida: Everett/Edwards, 1979.

"Summing Up." Crossing Frontiers: Papers in American and Canadian Western Literature. Edmonton: University of Alberta Press, 1979, pp. 131-37. "Introduction," to Max Brand Frederick Faust, Destry Rides Again. Boston: Gregg Press, 1979, pp. v-xi. "Changing Cultural Interpretations of Idaho and the West." Idaho Humanities Forum 2 (Winter 1979-80): pp. 1ff.

IKLE, Frank W.

"Geopolitics Revisited: The Indian Ocean, Spring 1942, Scene of Lost Opportunity," to appear in Journal of History, University Hong-Kong, Winter 1979.

KAMINSKY, Arnold P.

"Morality Legislation and British Troops in Late 19th Century India," in Military Affairs, 43:2 (April, 1979), 78-83. "Agents or Autocrats: India's Viceroy in the late 19th Century," Asian Profile, 7:3 (June, 1979), 249-264.

KERN, Robert

"The Catalan Anti-Fascist Militia Committee and the Army of Aragon," in Jaime Ayguade, Actas del Colloqui Internacional sobre la Guerra Civil de Espanya (1979), 27 pp.

KOLCHIN, Peter

"Scalawags, Carpetbaggers, and Reconstruction: A Quantitative Look at Southern Congressional Politics, 1868-1872," Journal of Southern History, XLV (Feb. 1979), 63-76.

"Race, Class, and Poverty in the Post-Civil War South," Reviews in American History, VII (Dec. 1979).

- KRAMER, Steven Philip "New Mexico and the Multilingual Experience," Brochure, (editor) UNM Printing Plant.
- LIEUWEN, Edwin "Regular Armies and Insurgency: the Case of Mexico," in Regular Armies and Insurgency, ed. by Ronald Haycock, (Croom Helm, London, 1979), pp. 21-32.
- MCCLELLAND, Charles E. "Carl Diehl's Americans and German Scholarship" (Review Essay), History of Education Quarterly, XIX (1979).
- MACIEL, David R. "El liberalismo social de Ignacio Ramirez", Cuadernos Americanos (Jan. 1979), 28-42.
- PORTER, Jonathan "Foreign Affairs Expertise in the Late Ch'ing: The Career of Chao Lieh-wen," Modern Asian Studies, 13, 3 (July 1979), 459-483.
- RABINOWITZ, Howard N. "Growth Trends in the Albuquerque, N.M. SMSA, 1940-1978," Journal of the West, XVIII (July 1979), 62-74;
"Recent Contributions in Black History," review essay, South Atlantic Urban Studies (1979), 330-40.
- ROBBINS, Richard G., Jr. "Famine in Russia" Modern Encyclopedia of Russian and Soviet History, vol. 11, pp. 46-51.
- ROEBUCK, Janet "When Does Old Age Begin? The Evolution of the English Definition" in Journal of Social History, 1979, June, 416-429. With Jane Slaughter, "Ladies and Pensioners: Stereotypes & Public Policy Affecting Old Women in England, 1880-1940", JSH, 1979, Sept.
- SLAUGHTER, M. Jane "Ladies and Pensioners: Stereotypes and Public Policy Affecting Old Women in England, 1880-1940," Journal of Social History, Fall, 1979, 105-113. (co-authored with Janet Roebuck).
"Marxism and Feminism: Theoretical Debates in Historical Perspective," Marxist Perspectives, Fall 1979, 32-49.
- SZASZ, Ferenc M. "Francis Schlatter: The Healer of the Southwest," New Mexico Historical Review 54 (April, 1979), 39-104. "When Lecturing on History was New: The Career of John Lord," Network News Exchange 4 (no. 2) Winter, 1979, 13-16.

REVIEWS

BAKENELL, Peter J.

Philip W. Powell, Miguel Caldera: the Taming of America's First Frontier (Tucson, University of Arizona Press, 1977), for New Mexico Historical Review, 54:2 (April, 1979), 152-3.

BERTHOLD, Richard M.

Karl-Wilhelm Welwei: Unfreie im antiken Kriegsdienst Part 2, American Historical Review 84 (1979) p. 432.

CONNIFF, Michael L.

Robert H. Levine, "Pernambuco in the Brazilian Federation," in American Historical Review 84 (1979): 889-90. Historia Geral da Civilizacao Brasileira, ed. Boris Fausto, in Hispanic American Historical Review 59 (1979): 340-41. Lawrence Clayton, Los Astilleros de Guayaquil Colonial, in South Eastern Latin Americanist. Alejandro Portes and Harley Browning (eds.), Current Perspectives in Latin American Urban Research, in Contemporary Sociology, 8, 2 (1979): 256-7.

CUTTER, Donald C.

Mier Expedition Diary: A Texan Prisoners Account in Journal of the West. Taylor, O.P. McMains and The Maxwell Land Grant Conflict in Utah Historical Quarterly. Campa, Hispanic Culture in the Southwest, in Inter-American Review of Bibliography. Hanna, Lost Harbor - Drake's Landing in Montana, the Magazine of Western History. Fisher and Johnston (eds.), Captain James Cook and His Times in The American West. Hough, The Last Voyage of Captain Cook in The American West.

DABNEY, William M.

The Papers of Henry Laurens, Vol. 6, eds. Rogers, Chesnut, and Clark, in American Historical Review, vol. 84, no. 1.

ELLIS, Richard H.

Life and Manners in the Frontier Army by Oliver Knight in South Dakota History, Spring 1979, p. 162-3.

- ELLIS, Reviews continued. John Collier's Crusade for Indian Reform by Ken Philp in American West, Jan. 1979.
- ETULAIN, Richard W. (3) in History: Reviews of New Books, Montana: The Magazine of Western History, and Pacific Historical Review.
- IKLE, Frank W. R. Swearingen, The Soviet Union and Postwar Japan, in February 1980 issue of American Historical Review.
- KAMINSKY, Arnold P. Various reviews for South Asia in Review, journal.
- KOLCHIN, Peter George P. Rawick, ed., The American Slave: A Composite Autobiography: Supplement Series I. Volume I: Alabama Narratives (Greenwood Press, 1977), in American Historical Review (April 1979), 558-559. Thomas Webber, Deep Like the Rivers: Education in the Slave Quarter Community, 1831-1865 (Morton 1978), in Florida Historical Quarterly (1979), 478-480. Leon F. Litwack, Been in the Storm So Long: The Aftermath of Slavery (Knopf 1979), in The Chronicle of Books and Arts, Aug. 6, 1979, p. 6.
- KRAMER, Steven Philip Review article on "The International Policy of French Socialism" in galley for Reviews in European History. Book reviews for Commonweal.
- MCCLELLAND, Charles E. "Detlev Müller, Sozialstruktur und Schulsystem," in American Historical Review, LXXXIV (1979), 478-9; "Josef Hofmann, Journalist in Republik, Diktatur und Besatzungszeit," German Studies Review, II (1979); "Leonard Krieger, Ranke," American Historical Review, LXXXIV (1979).
- NASH, Gerald D. Book reviews in the American Historical Review, Journal of Southern History, Pacific Historical Review, Journal of Inter-Disciplinary History and other journals.

RABINOWITZ, Howard N.

Bradley Robert Rice, Progressive Cities: The Commission Government Movement in America, 1901-1920, Colorado Magazine (Winter/Spring 1979); John Dittmer, Black Georgia in the Progressive Era, 1900-1920, Journal of American History, LXV (March 1979) 1161-62; John and LaRee Caughey, Los Angeles: Biography of a City and Stephen Longstreet, All Star Cast: An Anecdotal History of Los Angeles, Journal of the West, XVIII (January 1979), 112-13. Susan Dewitt, Historic Albuquerque Today: The Historic Landmarks Survey of Albuquerque, New America, 3 (Spring 1979), 123-24. Morton Sosna, In Search of the Silent South: Southern Liberals and the Race Issue, American Studies, XX (Spring 1979), 112-13. George Breitman (ed.) Leon Trotsky on Black Nationalism & Self-Determination, Reprint Bulletin-Book Reviews, XXIV (Spring 1979), 10-11. Loren Schweninger, James T. Rapier and Reconstruction, Journal of Ethnic Studies, 7 (Fall 1979), 116-18. Jesse Owens and Paul Naimark, Jesse Owens and Paul Naimark, Reprint Bulletin-Book Reviews, XXIII (Winter 1978/1979), 25. David R. Goldfield, Urban Growth in the Age of Sectionalism: Virginia 1847-1861, Alabama Historical Quarterly, XL (Fall and Winter, 1978), 197-200.

ROEBUCK, Janet

Peter Calvocoressi, The British Experience 1945-75, for American Historical Review, June 1979p. 763.

SULLIVAN, Donald

Trüdinger, Karl Stadt und Kirche im spätmittelalterlichen Würzburg, in American Historical Review, 1979, volume 84, pp. 730-731.

SZASZ, Ferenc M.

E. Brooks Holifield, The Gentlemen Theologians: American Theology in Southern Culture, in Choice 16 (May 1979) 408. Irving Horowitz, ed., Science, Sin and Scholarship in Humboldt Journal of Social Relations 6 (Fall/Winter) 110-112.

5. OTHER RESEARCH PROJECTS

BAKEWELL, Peter J.

Ms. of book on silver mining industry of Potosi, 1545-1650, partly written during sabbatical.

BERTHOLD, Richard M.

Political history of Rhodes now two-thirds complete.

BOYLAN, Anne M.

Women's benevolent societies in the U.S., 1800-1840 (research conducted during summer under NEH summer stipend).

CUTTER, Donald C.

In press, Henry Raup Wagner's 'Tomas de Suria and His Voyage with Malaspina', newly edited with an introduction (Fairfield, WN, 1980?)

DABNEY, William M.

Research at the Library of Congress and the New York Historical Society on Charles and Alexander Cochrane.

DUNBAR ORTIZ, Roxanne

"Indian Labor in New Mexico"--Research for book to be completed in 1981. "International Law in the Field of Human Rights and American Indians," book near completion. "History of Land Tenure in Northern New Mexico," revision of Ph.D. (History) dissertation for 1980 publication. "American Indian Survival: Land, Water and Resources," book to be completed 1980.

ELLIS, Richard N.

Co-coordinator of American Indian exhibit for Moesgaard Museum, Aarhus, Denmark. Coordinator of Contemporary Indian art exhibit for Nordjyllands Kunstmuseum, Aalborg, Denmark and for Aarhus art museum, Aarhus, Denmark. Research on comparative study of U.S. Indian policy, Danish Eskimo policy, and Norwegian-Swedish Lapp policy.

ETULAIN, Richard W.

Forthcoming in January 1980: The American Literary West (book: Manhattan, KS). Forthcoming in June, 1980, Cultural History of the American West (book: Bowling Green University Press): manuscript completed

ETULAIN, Richard W. Research Projects continued:

on an annotated bibliography of materials available on the American Basques (Gale Publishers: co-edited: to be published in 1981).

IKLE, Frank W.

Work completed on article dealing with the role of the Humanities in a post-industrial society, Japan.

KAMINSKY, Arnold P.

Project Director, November 1979 Symposium on "Middle East Oil and New Mexico: The Burning Question" held at Albuquerque Convention Center.

KERN, Robert

(Co-editor and contributor), Women and European Radical Politics, accepted by Greenwood Press for publication in 1980, 220 pages. (Editor) Labor in New Mexico: Strikes, Unions and the Work Experience, 1870 to the Present, University of New Mexico Press, late 1980.

KOLCHIN, Peter

Continuing research on comparative study of American slavery and Russian serfdom.

KRAMER, Steven Philip

New Course in "Law and History" taught jointly with Pam Minzner of Law School. Working on turning lectures into a basic textbook. Editor of Low Countries Newsletter.

LIEUWEN, Edwin

"Venezuela, History of" (13,000 words) accepted for publication in 1980 edition of Encyclopaedia Britannica. Militarismo Mexicano (monograph, approx. 240 pp--in press) (PREMIA, S.A., Mexico, DF, 1980). Biography of Alvaro Obregon, 1880-1928 (in progress).

McClelland, Charles E.

"Historical Method on Either Side of the Rhine," (review essay), Reviews in European History, accepted and forthcoming: "Professionalization and Higher Education in Germany, 1860-1930," (chapter), in

MCCLELLAND, Charles E. Research Projects continued:

- Konrad Jarausch (ed.), Education and Society in Europe, 1860-1930 (Stuttgart, forthcoming); "The Wise Man's Burden: Academic Culture in Imperial Germany," (chapter), in German Culture, 1870-1914 (University of Texas Press), in progress.
- MACIEL, David R. Mexican perspectives on the Chicano Aztlan (in press). Mexican workers in the United States, forthcoming article.
- NASH, Gerald D. Ready to publish 3rd edition of Issues in American Economic History, D.C. Heath to be published either 12/79 or 1/80. June 1979, Fellow at the Henry Huntington Library, San Marino, California researching two books dealing with the impact of World War II on the American West.
- PORTER, Jonathan Research in progress on Science and Society in China, 1600-1900.
- PUGACH, Noel H. Sino-American Banking. The China Arms Embargo in the 1920s.
- RABINOWITZ, Howard N. Completed all but final draft of an essay on black politician Holland Thompson of Montgomery, Alabama which will appear in a collection of essays on black political leadership in the South during Reconstruction; editing for University of Illinois Press: continued research for a book on Albuquerque and Sunbelt urbanization 1940-1978; background reading and research for a book on The New South 1877-1920 to be published by AHM Press; completed several book reviews.
- ROBBINS, Richard G. Jr. "Choosing the Russian Governors: The Professionalization of the Gubernatorial Corps, 1880-1905," Slavonic and East European Review (forthcoming). Study of Russian provincial governors 1880-1905.

ROBERTS, William R.

contributing co-editor of an anthology in progress: title, Over the Ramparts.

ROEBUCK, Janet

Work on the 1899 test census. Work on turning European studies conference paper into article.

SKABELUND, Donald

Summer work on Book manuscript, "A Typology of Thought."

SLAUGHTER, M. Jane

Completed: "Elizabeth Gurley Flynn" for American Women Writers, II Frederick Ungar Pub. (Forthcoming spring 1980); Book contributed to and co-edited with Robert Kern, Women and European Radical Politics, manuscript accepted by Greenwood Press, December 1979; Article "The Italian Communist Party: The Position of Women as an Index for Measuring Theoretical and Practical Change," for Radical History, Summer 1980, co-authored with Karen Beckwith, Political Science, University of Michigan. Invited contributor to revision of F. Roy Willis, Western Civilization: An Urban Perspective, 2 vols. D.C. Heath. Addition of sections on Women's History, completed, December 1979. In Progress: Women and the Italian Resistance, monograph; Invited to present paper on topic at University of Chicago, Inter University Seminar on Armed Forces and Society, October 1980; papers to be published. Contributor to J. W. Cortada (ed.) Dictionary of the Spanish Civil War forthcoming from Greenwood. Article in progress with Janet Roebuck, "Factors Explaining the Debate on the 'Surplus of women' in 19th Century England."

SPIDLE, Jake W.

Continued research and writing on monograph, "The German Colonial Empire, 1884-1918: Administration and Administrators"; completed article "The Pioneer Period of U.S. Air Force High Energy Laser Research," submitted to Air University Review:

STEEN, Charlie R.

Completed revised monograph manuscript on the city of Tournai in the period 1559-1570. Continued translating memoir literature of the period of the revolt in the Netherlands and research into the government of Margaret of Parma in the provinces.

SULLIVAN, Donald

Article, "The End of the Middle Ages: Decline, Crisis or Transformation?" (forthcoming 1980 in Journal of the Rocky Mountain Medieval and Renaissance Association). Completing historiographical study of the ending of the Middle Ages.

6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES

BAKEWELL, Peter J.

Chairman of Andean Studies Committee of Conference on Latin American History. Attended American Historical Association annual meeting, New York, 27-30 December. Chaired session there of CLAH Andean Studies Committee 'Aspects of the social and economic history of Peru in the 16th and 17th centuries', 29 December 1979.

BOYLAN, Anne M.

"Surveys and Questionnaires: A Flexible Approach to Family History," paper presented at the Organization of American Historians Convention, April, 1979; attended the American Historical Association convention, December, 1979.

CONNIFF, Michael L.

Discussant on panel, "The Urbanization Process in Latin America," Latin American Studies Association annual meeting, Pittsburgh, April 5, 1979.

CUTTER, Donald C.

Participant in Coloquios de El Escorial, El Escorial, Spain. Member of the LeRoy R. Hafen Award Committee, Colorado Historical Society. Member of Council, Western History Association. Read paper "Spanish Light on Early Hawaii" at Pacific Coast Branch of AHA in Honolulu.

DABNEY, William M.

Preparation of the Annual Research Roster for the Society for Historians of the Early American Republic.

DUNBAR ORTIZ, Roxanne

Paper: 1979 Southwest Social Science Conference, Ft. Worth, TX, "Development in Southwest Reservations." Paper: 1979 Western Social Science Conference, Nevada, "Expert Witness in Indian Litigation." Paper: 1979 Southwest Labor Studies Conference, Los Angeles, "Navajo Labor." Paper: 1979, PCB, American Historical Association, Hawaii, "Capitalization of Land in New Mexico." Paper, 1979, National Indian Educational Association, Denver, "Developing American Indian Scholars."

ELLIS, Richard N.

Program committee of Western History Association. Editorial board of American Indian Quarterly. Editorial board of Teaching History. Editorial board of New Mexico Historical Review.

ETULAIN, Richard W.

Program chairman, Western Literature Association, 1979; chaired two sessions at the meeting; chaired session at the Western History Association; attended Idaho History Conference, read a paper at NEH sponsored conference at Oregon State University; Executive Council, Western Literature Association.

IKLE, Frank W.

Attended meeting of Association of Asian Studies, Los Angeles, California. March 29-30. Invited to participate in the Rocky Mountain Southwest Japan Regional Seminar, Boulder, Colorado, 21 April.

KAMINSKY, Arnold P.

Delivered scholarly papers to Rocky Mountain Conference on British Studies and Western Conference of the Association for Asian Studies. Attended AHA Convention in New York. (RMCBS was in Colorado Springs; WCAAS meeting was in Boise, Idaho).

KERN, Robert

Membership in American Historical Association, European Awards Committee; member, board of directors, Southwestern Labor History Society; member New Mexico Historical Society; member Spanish and Portuguese Historical Society.

KOLCHIN, Peter

Commentator at session on "The Ex-Slave and the Response to Freedom," Organization of American Historians convention (April 1979). Chair of session, "New Perspectives on Reconstruction Historiography," Western Social Science Association convention (April 1979).

LIEUWEN, Edwin

"Regionalism in the Mexican Revolution: the Case of Sonora", paper delivered at Latin American Consortium, New Mexico State, Las Cruces, NM November 1, 1979.

MACIEL, David R.

Member of a Hispanic Task Force for the Latin American Studies Association.

NASH, Gerald D.

Luncheon meeting address, "Phi Alpha Theta and the Historian," Regional Phi Alpha Theta Conference, Las Cruces, N.M. April, 1979. Presented a paper on "Impact of World War II on American Cities in the West," American Historical Association meeting, New York, N.Y., December, 1979.

PORTER, Jonathan

Executive Secretary, Western Conference, Association for Asian Studies. Inaugural meeting of Science, in Modern East Asia, in conjunction with Association for Asian Studies annual meeting, Los Angeles, 30 March 1979. "Bureaucracy and Science in Early Modern China: The Imperial Astronomical Bureau in the Ch'ing Period," paper delivered at the Pacific Coast Branch meeting of the American Historical Association, Honolulu, 10 August 1979.

PORTER, Jonathan , Activities in Learned and Professional Societies continued:

Discussant on panel "Teaching Asian Studies in Universities in the 1980's," Western Conference, Association for Asian Studies meeting, Boise, 13 October 1979.

"Social Structure on Scientific Activity in China during the Ch'ing Period, ca. 1650-1900," paper delivered at the Conference on Science in Modern East Asia, Buffalo, 5 October 1979.

PUGACH, Noel H.

Chairman and Discussant, "Financing Imperialism: Bankers and Politics in Anglo-American China Diplomacy, 1909-1925," a session at the annual meeting of the Pacific Coast Branch of the AHA, Honolulu, Hawaii (Aug. 1979.) Member, Board of Editors, Pacific Historical Review. Member, Bernath Article Prize Committee, SHAFR.

RABINOWITZ, Howard N.

Coordinator of history sessions for the Western Social Science Association convention, Lake Tahoe, Nevada, April 1979; "Blacks and American Industry," a session chaired at the Western Social Science Association convention, Lake Tahoe, Nevada, April, 1979; "Black Legislators in Reconstruction Governments," a comment presented at the Pacific Coast Branch/American Historical Association convention, Honolulu, Hawaii, Aug. 1979. "Conservation Zoning," a session chaired and comment presented at the Southwestern Neighborhood Conservation Workshop, Albuquerque, N.M. October 1979. Member, Membership Committee of the Southern Historical Association, 1979. Additional conferences attended: Organization of American Historian Convention, New Orleans, La., April, 1979; Southern Historical Association Convention, Atlanta, Ga., November 1979; American Historical Association Convention, New York City, December, 1979.

ROEBUCK, Janet

Paper with Jane Slaughter on "Factors Explaining the Debate on the Surplus of Women in 19C England," presented at European Studies Conference, Fall 1979.

SLAUGHTER, M. Jane

Council of European Studies, Conference of Europeanists, Washington, D.C., March 1979, paper presented "Women and the Italian Resistance: Steps Toward Emancipation." Invited participant, Workshop on Teaching Women's History, UCLA, June 1979, sponsored by NEH. Conference on European Studies, University of Nebraska, Omaha, paper presented with Janet Roebuck, "Factors Explaining the Debate on the 'Surplus of Women' in 19th Century England," October 1979.

SPIDLE, Jake W.

Read a paper titled "Legislative Critiques of German Colonial Officials" at the American Historical Association's Annual Convention, December 30 in New York City; read a paper titled "How Far Is It from UNM to AFWL?" at the Air Force Systems Command Historian's Conference at Edwards Air Force Base, California, November 6, 1979.

STEEN, Charlie R.

Presented a paper "Change in Governance and the Administration of Justice in Tournai, 1521-1570" at the meeting of the Sixteenth Century Studies Conference at the University of Guelph in Ontario. Placed on the Program Committee of the Western Society for French History.

SULLIVAN, Donald

Chairman/Commentator of session on the medieval university at Rocky Mountain Medieval & Renaissance Association meeting, Flagstaff, Arizona, April, 1979.

SZASZ, Ferenc M.

Read Paper "Progressivism, Character, and Service," at the regional meeting of the American Association of Religion/Society of Biblical Literature held in Boulder, Colorado, April 6, 1979.

7. OTHER PROFESSIONAL ACTIVITIES

BAKEWELL, Peter J.

Advised on research proposals for NEH and Tinker Foundation. Briefly consulted by National Geographic magazine.

BERTHOLD, Richard M.

Role in "Spring's Awakening" in Spring 1979 - Theater Arts.

BOYLAN, Anne M.

"Changes in the Concept of a Child," talk delivered to Conference on the International Year of the Child, October 12, 1979; participated in panel discussion, "Issues in School Discipline," at Conference on the International Year of the Child, December 3, 1979.

CONNIFF, Michael L.

Organizer: Brazil Week '79 on UNM Campus, Sept. 24-29. Editor for Modern Brazil, Handbook of Latin American Studies, published by Library of Congress. Referee for the Hispanic American Historical Review and consultant to Historical Abstracts. Organized new course, Raices: Spain, Portugal, and the Americas, Fall 1979. Latin American current events talks in Albuquerque, Clovis, Tucumcari, Santa Rosa (service club).

CUTTER, Donald C.

Radio interviews in Madrid, Barcelona, Valladolid, Bilbao, Las Palmas, Vitoria, Albuquerque. Consultant for various programs for National Endowment for the Humanities. Lectures given: "Grupos etnicos del suroeste Americana: Culturas en conflicto y en cooperacion," at Centro Cultural de Estados Unidos, Madrid, 13 February 1979.

CUTTER, Donald C. Professional activities continued:

"Catalanes en California" at Instituto de Estudios Norteamericano Barcelona, 21 February 1979.
"Problemas de la colonizacion espanola en Nuevo Mexico," at University of Barcelona, 23 February 1979. "Basque Contributions to American Exploration" at Escuela Oficial de Idiomas, Bilbao, 6 March 1979. "La Frontera nortena del virreinato mexicano y sus problemas" at Casa-Museo de Colon, University of Valladolid, 6 March 1979. "Las persistencias hispanicas en el suroeste americano como testimonio de pervivencia," at Casa-Museo Colon, 8 March 1979. "Museos de Nuevo Mexico" at Museo de Artes y Tradiciones Populares, Universidad Autonoma de Madrid, 15 March 1979. "Indios de Nuevo Mexico" at Jr. Docent Training Program, Museo de America, Madrid, 17 March 1979. "Alaveses en la Historia de California" at Sala Luis Ajuria, Vitoria, 4 May 1979. "Spain in Western American Literature" at University of La Laguna, Canary Islands, 7 May 1979. "Espana y las Canarias en el Oeste Americano" at Casa de Colon, Las Palmas, Canary Islands, 8 May 1979. "The Indian Claims" at Oklahoma State University, Stillwater, OK, 20 September 1979. "Spanish Administration of the California Indians" at University of Oklahoma, Norman, OK, 20 September 1979. "The Civil War in the Far West" at Oklahoma Civil War Roundtable Banquet, Oklahoma City, 20 September 1979. "Spain Today" and "Indians and the Law" for H.C. Pender Distinguished Lecturer Series in Political Science at Central State University, Edmond, OK, 21 September 1979.

DABNEY, William H.

Speeches to two civic organizations, the Sertoma Club on the Constitution, and the Northwest Kiwanis Club on the Bill of Rights.

DUNBAR ORTIZ, Roxanne

Organized two-day conference on Indian economic development attended by 200 participants. National Endowment for the Humanities Media Proposals evaluator. Bureau of Land Management, Socorro: "Spanish and Mexican Land Grants" American Indian Law Students Association Annual Convention, "International Law and Indians". Organized forum on federal trust and Indian sovereignty. United Nations conferences: Geneva--July; New York--September, November (debates on apartheid).

ELLIS, Richard M.

Organized seminar on western films, "The History of Western Film-making" and lectured for the seminar which was held at the National Film Museum, Copenhagen, April 27, Helsingor Theater in Aarhus on April 28, and Aalborg University in Aalborg on April 29. Gave the following lectures: "U.S. Indian Policy: A Record of Failure," at Tromso University, Tromso, Norway, February 19. "Indian-White Relations in the United States," at Oslo University, Oslo, Norway, February 20. "The Western Landscape," at Oslo University, Oslo, Norway, February 20. "Indians in American Literature," at Aarhus University, Aarhus, Denmark, March 14. "Indians in American Film," at Aarhus University, Aarhus, Denmark, March 19. "Current Indian Problems and Their Historic Roots," for Historia, Aarhus, Denmark, March 22. "Indian Sovereignty," for the Department of Social Anthropology, Goteborg University, Goteborg, Sweden, May 8. "Shane and Jack Shaefer's West," at Aalborg University, at Aalborg University, Aalborg, Denmark, May 10. "Literature and the American Frontier," at Copenhagen University, Copenhagen, Denmark, May 17. "Indians of the Southwest," for touring Danish historians, Durango, Colorado, July.

RICHARD ELLIS, Other Professional Activities continued.

"The West in American History," for touring Danish historians, Durango, Colorado, July. "Pueblo and Navajo History," for touring Danish historians, Durango, Colorado, July. "Mesa Verde and Southwest Archeology," for touring Danish historians, Mesa Verde National Park, Colorado, July. Lecture for American Women's Club of Denmark, Copenhagen, Denmark, May 16. "An Introduction to Oral History," for the Albuquerque Historical Society, New Mexico Geneo-logical Society, and Phi Alpha Theta, Museum of Albuquerque, Albuquerque, New Mexico, November 18. "Origins of U.S. Indian Policy," two lectures at New Mexico Military Institute, Roswell, New Mexico, November 12. "New Mexico Indian History," Chaves County Historical Society, Roswell, New Mexico, November 12. Member, New Mexico Historical Records Advisory Board. Consultant on Jemez Pueblo History for National Endowment for the Humanities sponsored project. Expert witness, Mescalero Apache History for Mescalero tribe and U.S. Justice Department. Evaluate manuscripts for New Mexico Historical Review. Consultant and evaluate proposals for National Endowment for the Humanities and also for National Endowment for the Arts. Evaluate proposals for the National Historic Publications and Records Commission. Judge for Westerners International publications award. Participated in expedition searching for the Bonhomme Richard. Participated in Fulbright seminar in Berlin, March 29-April 6.

ETULAIN, Richard W.

On editorial boards of six scholarly journals; read three books for university presses; refereed six papers for scholarly publication; spoke on behalf of Idaho State University. Sun Valley Institute of the American West (Board of Directors).

IKLE, Frank W.

Lecture at Taos German Summer School on "Tradition and Progress in Switzerland." Organized new course, Seminar on "Women in Asia." Participated on Portales TV Show on Iran, November 9.

KAMINSKY, Arnold P.

Appeared on local TV twice concerning events in Iran and Afghanistan; initiated contacts with APS officials concerning establishment of a better working relationship between the History Department and APS social studies teachers. Delivered local talks to Elks, B'Nai Brith organization on Mid East and South Asian situations internationally.

KERN, Robert

Organization of the Social and Political Pamphlet Collection, Coronado Room, Zimmerman Library. Six off-campus talks. Membership in Faculty Senate as an elected member. Faculty advisor to PIRG.

KOLCHIN, Peter

Consultant to National Endowment for the Humanities; Reader for Louisiana State University Press; on membership committee of Southern Historical Association.

KRAMER, Steven Philip

Project director, NMHC program on "New Mexico and the Multilingual Experience." Participation in European Studies colloquia in Taos, July 1979.

MCCLELLAND, Charles E.

Read paper, "Dependency in History" and acted as panelist for New Mexico Humanities Council Seminar on Dependency, Albuquerque, November 9 & 16. Radio program on same subject taped for KUNM Public Affairs programming. Organized art exhibit "Art Nouveau, Jugendstil, Modern Style," Albuquerque Public Library, summer 1979; organized and lectured at two seminars on Europe and American Today, Taos, NM, June and July, 1979.

MACIEL, David R.

Panelist and reviewer for NEH.
Reviewer for following journals:
Aztlan, New Mexico Historical Review.
Talks for: Kiwanis Club; Parents
Day; Mexican Independence Day.

NASH, Gerald D.

Speaker at symposium on National
Energy Research sponsored by New
Mexico Humanities Council, November
1979; Address at a conference on
Business in the Public Interest,
Boise State University, Boise, Idaho,
under auspices of Idaho Humanities
Council, May 13, 1979; Consultant
for the National Endowment for the
Humanities for Princeton Press,
Yale Press, and University of Kansas
Press.

PORTER, Jonathan

Talk to Statesman's Club, Albuquer-
que, 16 April 1979. Talk to Exchange
Club, Albuquerque, 25 April 1979.
Address to AAUW Colloquium on China,
Albuquerque, 6 December 1979.

PUGACH, Noel H.

Lecture, "The United States and
China: Are We Prepared for the
Future?", Hadassah Educational Forum,
Albuquerque, March 4, 1979; Lecture,
"The Israeli-Egyptian Peace Nego-
tiations," Sandia High School,
March 7, 1979; Lecture, "The Creation
of the State of Israel and the Arab-
Israeli Conflict," Sandia High School,
April 27, 1979; Lecture, "The Mideast
and the U.S. Role in World Politics,"
The Exchange Club, May 9, 1979.

RABINOWITZ, Howard N.

"Montgomery's Forgotten Black Legacy,"
a public lecture given in Montgomery,
Alabama, February, 1979; "Alabama
Blacks and Race Relations in Northern
and Southern Cities, 1860-1900," a
public lecture given at the Univer-
sity of Alabama at Birmingham, Bir-
mingham, Alabama, February 1979;
Evaluated manuscripts for University
of Chicago Press, Temple University
Press, Prentice Hall, Journal of
Urban History; Consultant, Educa-
tional Testing Service.

- ROBBINS, Richard G. Jr. Talk on Russia at Del Norte High School, May, 1979.
- ROEBUCK, Janet Consultation on basic skills program, Summer 1979: Developed new course. Review of article submitted for publication to American Historical Review.
- SKABELUND, Donald Speaker and Panelist, Southwest Conference on Images and Trends, University of New Mexico, April 19-21.
- SLAUGHTER, M. Jane Conferences honoring the Year of the Child, sponsored by the New Mexico Humanities Council, paper presented "An Historical Overview of Motherhood," September 1979.
- SPIDLE, Jake W. Served throughout 1979 as professional consultant to the Menaul History Library research project titled "Hispanic Protestants in New Mexico, 1860-1930"; professional reviewer of a lecture within the Experiment in Jewish Learning series titled "Repairing the Irreparable: Jews and Germans since WWII," April 8, 1979.
- 8. NON-TEACHING UNIVERSITY SERVICE.**
- BAKEWELL, Peter J. Latin American Institute, Chairman of Academic programs and Building sub-committees. Hence ex-officio member of Latin American Institute Policy Committee. History Department Curriculum committee.
- BERTHOLD, Richard M. Member Faculty Senate, Fall 1979.
- BOYLAN, Anne M. Editor of the History Department Newsletter.
- CONNIFF, Michael L. Chair, Faculty Library Committee, A & S representative to the Faculty Senate. Chair, Latin American Programs, Symposia Committee. Member, Latin American policy committee and library committee; coordinator, Tinker research grant (\$20,000).

CUTTER, Donald C.

Chairman, Board of Editors, New Mexico Historical Review. Gave workshops for Calvin Horn History Essay contest in Albuquerque, Carizozo, Socorro and Las Vegas. Spoke to local DAR for UNM Speakers Bureau.

DABNEY, William M.

Member of the Faculty Ethics and Advisory Committee: lengthy hearings in two appeals brought before that committee. For University outreach, College Day at Winrock; Parents' Day on campus.

DUNBAR-ORTIZ, Roxanne

Curriculum Development, Economics 439, "Topics in Indian Development for Tribal Planners". Administration: Coordinator, Native American Studies; development of research, publication. Faculty Adviser-- Indian Student org.; Comm. on Intl. Educ. Chair; Affirmative Action Committee; Womens Studies Comm.; Director, Research Project on Indian resources (mineral); Newsletter.

ELLIS, Richard N.

Faculty advisor, Phi Alpha Theta; Faculty advisor, UNM Rodeo Association. Book Review editor, New Mexico Historical Review. Director, New Mexico Oral History Project; member, Native American Studies Advisory Board.

ETULAIN, Richard W.

Served on three tenure committees; University Press board: doctoral and master's exams at the UNM.

IKLE, Frank W.

Chairman, A and S Committee on Academic Programs; Member, A & S Promotion Committee; Member, Research Policy Committee; Member, Annual Research Lecture Committee, Member, Interdisciplinary Research Committee. Departmental Committees included Chairman's Search Committee, Sabbatical Committee, Search Committee for U.S. Political and Military History position.

KAMINSKY, Arnold P.

Involved in Provost's Task force to develop Basic Skills program over the summer; active on Committee on Asian Studies.

KERN, Robert

Elected member of Faculty Senate; chair, Subcommittee to evaluate Basic Skills; member, Undergraduate Academic Affairs Committee; Student Standards and Grievance Committee. Helped organize new course; Raices: Spain, Portugal and the Americas.

KOLCHIN, Peter

Editor, History Department Newsletter (Spring 1979); member, History Department Graduate Entrance Committee (Spring 1979); member, General Honors Council (Spring 1979).

KRAMER, Steven Philip

Co-director French Summer School, Member, UNM Senate, Academic Affairs Committee, Honorary Degrees Committee, European Studies Committee, presidential committee on revision of student grievance policy, Outreach program.

LIEUWEN, Edwin

Chairman, A & S Tenure Committee; Chairman, A & S Latin America Committee; Policy Committee, Latin America Center; A & S Promotion Committee; Dissertation Advisor for 7 Ph.D. candidates.

MCCLELLAND, Charles E.

Chairman, Faculty-Staff Benefits Committee and member, Faculty Senate Welfare and Benefits Committee; member, Faculty Senate; chairman, European Studies Committee.

MACIEL, David R.

Latin American Institute Policy Committee. Mexico Cultural Week Coordinating Committee (chair).

NASH, Gerald D.

History Departmental Chairman. Continued to serve as Editor of The Historian. Selection Committee, Friends of the University Library. Refereed articles for the New Mexico Historical Review.

PORTER, Jonathan

Graduate Adviser History. Member, A & S Graduate Committee. Chairman and member, University Curricula Committee, Chairman, History Dept. Graduate Entrance Committee.

PUGACH, Noel H.

Adviser, Phi Alpha Theta, Spring 1979; Member, Research Allocations Committee, 1979; Chairman, Research Allocations Committee, Fall, 1979; History Department Library Liaison; Department of History Curriculum Committee, Fall, 1979.

RABINOWITZ, Howard N.

Department of History Salary Advisory Committee; Department of History Graduate Advisory Committee. Advanced Placement Examination, Lawrenceville School, Lawrence, New Jersey, June 1979. Consultant, National Endowment for the Humanities (several divisions).

ROEBUCK, Janet

President of the Faculty Senate, UNM Ambassadors Program, Presidential Scholars Program, Steering Committee for Gerontology Development.

SKABELUND, Donald

History Department Salary Committee.

SLAUGHTER, M. Jane

Senator, Member of Executive Committee, Chair Faculty Welfare and Benefits Committee; Ad Hoc Committee on Drop Add Policy; Women Studies Committee, Spring 1979; American Studies Committee; Student Standards Committee, Spring 1979; Faculty Ethics and Advisory Committee, Spring 1979; Faculty Advisor, Campus NOW; Research Colloquia Committee, Faculty and Professional Women's Association; University Student Outreach Programs; Member, Board, Faculty Club, Fall 1979; Department Search Committee, Salary Committee, Sabbaticals Committee, High School Liaison Committee; Honors Committee. Search Committee, Director, Women's Center.

SPIDLE, Jake W.

Finished term (June, 1979) as Department Assistant Chair; Chairman (August, '79-), University Visiting Lecturers' Committee.

STEEN, Charlie R.

Member of the Admissions and Registration Committee until August 21. Undergraduate Advisor for History. Assistant Chair for History. U.C.F. chair for History. Participated in Parents' Day and Senior Day.

SZASZ, Ferenc M.

UNM Press Committee, Spring 1979.

9. PUBLIC SERVICE

BAKEWELL, Peter J.

Talk outlining colonial history of Latin America, Albuquerque High School, 11 October 79.

CONNIFF, Michael L.

Discussant on A & S-APS Workshop, held at UNM on 11 October 1979. President, Spruce Park Neighborhood Assn.

CUTTER, Donald C.

Spoke to Immanuel Presbyterian Mariners Group; Panelist for NM Council for the Social Studies program at Convention Center. Research Associate for Museum of New Mexico.

DABNEY, William M.

Member of the Liturgical Committee, Episcopal Diocese of the Rio Grande; Various other church functions.

DUNBAR-ORTIZ, Roxanne

Consultation with teachers, administrators, parents in Albuquerque public schools. Fund raising for widows of uranium miners. Consultation with Albuquerque Indian Center--numerous presentations.

ELLIS, Richard N.

Talk on New Mexico history for high school students and teachers, Roswell, November 10. Talk on Calvin Horn Essay contest, October 6.

ETULAIN, Richard W.

Sunday School Teacher, Pocatello and Albuquerque, Church of the Nazarene; Chairman, Board of Christian Life (Pocatello, Church of Nazarene). Church Board, Pocatello.

IKLE, Frank W.

Chairman, New Mexico Humanities Council. Vice-Chairman, Albuquerque Committee on Foreign Relations.

KERN, Robert

Boys Club. AYSO soccer.

KOLCHIN, Peter

Lecture on Abraham Lincoln to Kiwanis Club, Rio Rancho branch, February 1979.

KRAMER, Steven Philip

Member, Bernalillo County Democratic Central Committee.

PUGACH, Noel H.

President, Experiment in Jewish Learning; Chairman, Chavura Hebrew School Committee; Precinct Chairman, Democratic Party.

RABINOWITZ, Howard N.

Vice Chairman, Albuquerque Landmarks and Urban Conservation Commission.

ROBBINS, Richard G. Jr.

Board Member, Neighborhood housing services of Albuquerque. Board Member, Downtown Neighborhoods Association.

SKABELUND, Donald

Several talks to church groups; talk to "Parents Without Partners".

SPIDLE, Jake W.

Elected a Ruling Elder at First Presbyterian Church and Clerk of the Session (Executive Comm., Personnel Comm., delegate to Presbytery).

10. PERSONAL INFORMATION

BOYLAN, Anne M.

Baby Son, Michael Boylan-Kolchin born February 7, 1979.

KOLCHIN, Peter

Son (Michael) born, February 7, 1979.

JULY 1, 1979 - JUNE 30, 1980

WOZNIAK, Frank E., Instructor

2. Sabbaticals, leaves of absence, travel, etc.

Research in Istanbul & Ankara, Turkey (August, 1979)

4. Publications

"The Crimean Question, the Black Bulgarians and the Russo-Byzantine Treaty of 944", Journal of Medieval History, v. 5 (1979) pp 115-126.

"Byzantine Diplomacy and the Lombard-Gepidic Wars", Balkan Studies, v. 20 (1979), pp. 139-58.

5. Other Research Projects

Ford Foundation Travel Grant (\$750), Turkey, August, 1979.

Continued research on the Late Roman/Early Byzantine response to the barbarian invasions of the Balkan peninsula.

6. Activities in learned and professional societies

"Barbarian Responses to the Diplomatic Initiatives of the Byzantine Empire," International Congress of the International Association for the Study of Southeastern Europe, Ankara, Turkey; "Justinianic Fortifications in Illyricum," Byzantine Studies Conference, Washington, D.C. (Oct. 1979).

REPORT OF THE NEW MEXICO HISTORICAL REVIEW

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July 1, 1979 - June 30, 1980

Richard W. Etulain, Editor

STAFF APPOINTMENTS

During 1979-1980, the New Mexico Historical Review experienced a number of changes. I arrived August 5, 1979, as the new editor, replacing Donald C. Cutter, Acting Editor, and James T. Stensvaag, Managing Editor. Professors Cutter and Richard N. Ellis returned from sabbatical and Fulbright leave and aided the new editor in assuming his duties. Professor Cutter continues as Chairman of the Board of Editors; Professor Ellis as Book Review Editor.

Through the untimely death of David M. Vigness, the Review lost a member of its Editorial Board and a strong supporter of regional history. Meanwhile, Peter Bakewell of UNM joined the Board and has helped the editor in making several decisions.

In January of 1980, Glenn R. Schwegmann was named Research Assistant (Assistant Editor), a position he will hold until August 1980. Annabelle Oczon has taken over some of the work-study duties, and we hope she will continue to help us next year. Nancy Brown continues to serve as secretary and office manager.

OTHER DEVELOPMENTS IN 79-80

The first issue of the Review under my editorship, October of 1979, was three months late in appearing; January 1980, six weeks; but April and July, 1980, have been on time. In fact, we are now ahead of schedule, and during the next year I hope to move ahead quickly and have at least two issues ready before publication time. We must do this because the editor is on a nine-month contract and will be out of the Review office for a good share of the summer on research and writing trips.

In addition to catching up with the publication schedule, we have increased the number of manuscripts submitted to the Review. In the eleven months since I have arrived, we have considered about 90 essays, which is considerably more than the average of about 30 considered annually in recent years. Some of the 90 essays are holdovers from the previous editor, but most are new submissions. Of these essays we have published 13 items, have accepted about six others, and have rejected more than 40. The remainder are in the varied stages of review or revision.

PROMOTIONAL EFFORTS

For the last two or three years Nancy Brown and Glenn Schwegmann have worked hard to publicize and sell the Review; they have continued to do so during 1979-80. The following list indicates the variety of promotional and sales efforts that they have carried out this last year.

Sales Efforts

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New Mexico Library Association Conference, Roswell, Schwegmann
 Historical Society of New Mexico Conference, Roswell, Schwegmann,
 Etulain, Brown
 Archaeological Society of New Mexico, New Mexico Council of
 Archaeology, Archaeological Institute of America, joint
 conference, Santa Fe, Schwegmann
 New Mexico High School History Day, UNM, Schwegmann, Bakewell, Brown
 New Mexico Association of State and Local History Workshop and
 Conference, Schwegmann
 Mogollon Conference, Las Cruces, Schwegmann
 Historical and Underwater Archaeology Conference, Albuquerque,
 Schwegmann
 Land Grant Conference, Albuquerque, Brown, Co-sponsor NMHR
 NEA Teachers' Conference, Albuquerque, Etulain, Brown, Schwegmann
 Western History Association, San Diego, UNM Press sponsorship, Etulain
 Southwest Neighborhood Conservation Conference, Albuquerque, display
 New Mexico State Fair, Schwegmann, Brown, Phi Alpha Theta students
 Rancho de Golondrinas festivals, Schwegmann, Brown-Fall
 Schwegmann-Spring

NMHR Material in Book Shops

Galeria de los Artesanos, Las Vegas
 Singing Wind Book Store, Tucson
 Tienda del Museo, Albuquerque Museum
 Museum of New Mexico Gift Shop, Santa Fe
 De la Pena Books, Santa Fe
 Kit Carson Museum Shop, Taos
 Bent Museum and Gallery, Taos
 Millicent Rogers Museum Shop, Taos
 Double K Books, El Paso
 Banta Books, Crawfordville, IN
 The Book Shop, Socorro
 The Swift Lizard Express, Socorro
 El Paisano Books, Albuquerque
 Quivira Book Shop, Albuquerque
 Books By Mail, Albuquerque
 Chaves County Museum Shop, Roswell

OTHER ACTIVITIES

In addition to planning, editing, publishing, and distributing of the Review, the staff of the journal tries to be involved in several other activities. First of all, members of the Review staff and Board of Editors have helped sponsor the Calvin Horn Scholarship Awards. To promote this program, the following activities have been carried out:

Publication of four essays 1979 and two in 1980 NMHR
State-wide mail coverage, posters, letters to teachers,
libraries, principals, state officials, history groups
Distribution of information and posters via School Relations
Office, UNM, to counselors, at recruitment drives
Promotion of Contest at NEA Conference, State Fair, activities, etc
Talk at NEA Conference, Albuquerque, Etulain
Talk at English Teachers' Council, Santa Fe, Brown
Writing Workshop, Cutter, Socorro, Carrizozo, Las Vegas, UNM
Ellis, Roswell, UNM
Judging of winners, Board of Editors NMHR
Contacting winners, school assemblies, awarding scholarships
Publicity, radio, TV, newspapers, school bulletins, institu-
tional bulletins, cooperation of Frank Martínez, Public Information

The Review has also been involved in other programs, especially through the outreach work of Nancy and Glenn. We have shared information and publicity with several organizations in attempts to promote local and regional history, and we have worked with other agencies in the preparation of public programs. Some of these activities include:

New Mexico Genealogical Society notice in journal
 Albuquerque Historical Society Bulletin notice
 Chaves County Historical Society Bulletin notice
 Maxwell Museum Association newsletter notice
 Albuquerque Museum newsletter notice
 Colonial New Mexico Historical Foundation, newsletter notice
 Alumnus story
 Communique Borderlands review commentary, notices
 New America journal comments
 La Confluencia journal comments
 Independent notice
 El Palacio journal comments
 Lobo notice
 TV spot
 Radio PSAs, interviews Cutter, Ellis
 Howard Bryan column, Off the Beaten Path
 Campus News notices
 Regular releases to state newspapers, Frank Martinez, UNM
 Lecture, Albuquerque Museum, Etulain
 Membership local societies, museums, Schwegmann, Brown
 Co-sponsored Oral History Workshop, Ellis, Brown, NMHR
 Co-directed Albuquerque Centennial activities, Schwegmann, NMHR
 Co-sponsored Land Grant Conference, Brown, NMHR
 Mailing to state schools, libraries, Rio Grande Writers
 Association, historial groups, UNM people, area organiza-
 tions, institutions with a regional focus, etc. for readers

Journal Exchange Program

Zimmerman Library Serials Department 130 copies NMHR

ACTIVITIES OF THE ACADEMIC STAFF

The professional activities of the editor of the Review,
 Richard Etulain, and the four resident members of the Board of
 Editors--Donald C. Cutter, Richard N. Ellis, Peter Bakewell, and
 Gerald Nash (as Chairman of the UNM History Department) are listed
 in the Report of the Department of History. These listings include
 honors, publications, research, and professional and civic
 responsibilities.

FUTURE PLANS

Generally, the editor is encouraged with what has happened this past year. We are now on time with the Review, we have increased the number of submissions, and I think we are gaining additional notice among professional and lay audiences. While I hope to receive more first-rate essays that need less editing, I am still committed to encouraging a wide variety of writers to submit their writings to the Review. In addition, I shall urge well-known scholars who are working on book-length manuscripts to submit a section for publication in the Review.

I am also planning a few innovations for the journal. Not only have we prepared a special issue on Albuquerque (July 1980); we are also looking for other timely topics that lend themselves to special emphasis. And to provide a bridge between essays and reviews in the Review, I am asking recognized specialists to prepare brief essay-reviews on noteworthy books. We have published an essay-review on recent volumes on overland trails, and others are in preparation on Mary Austin, recent southwestern fiction, and other topics.

Finally, we are looking for ways to expand the number of our readers. We currently have between 1000 and 1100 subscribers, but we would like to increase this number and are considering several techniques by which we can augment our subscription list. Because printing costs are spiraling and salaries ought to be raised, we need to find ways to help raise some of our support. We are trying to do so.

NEW MEXICO HISTORICAL REVIEW STATISTICS FOR 1979-1980

Manuscript subMissions August 1979 to August 1980--90

Subscribers As Of August 1980--1085
Plus Exchanges--115

Funds Raised Through Subscriptions and Sales at
Fairs and Professional Meetings, and
Back Orders--\$12,842.12

I. General Departmental Information

A. The department, with Speech Communications and Theatre Arts, is moving toward shared pooling of instructional equipment for television courses, and inter-departmental instruction, viz. Sp Com 110 Telecommunications, to begin in the Fall, 1980 semester, followed by a "nuts and bolts" TV course covering use of equipment in Spring, 1981. All television students will take these courses, then will pursue application of video methods and quipment in the departments of their majors.

B. Phase IV Allocation of Bond Money enabled the department to improve its closed-circuit TV studio and control room used for production of student news shows. Also, for the first time, a maintenance and repair budget contract for radio-television equipment was obtained, similar to the existing contract for photographic equipment.

The department's needs for typewriter maintenance continues to be sizable, and vexing. Bond money was insufficient to replace 20 vintage manual typewriters used by six sections of beginning news writing students annually--sections enrolling between 16 and 20 students each. These typewriters are sluggish, malfunction often and pose an unnecessary barrier to this department's demands for perfect spelling, rapid assimilation and communication of complex ideas basic to news writing. It's difficult to teach students modern methods with ancient tools. I again propose transferrring 20 electric typewriters from J-214 to Marron 107, and replacing these six year-old electrics with

new models for the intermediate and advanced reporting and writing courses for print and broadcast sequences. It would cost about \$10,000 to \$12,000, far below an electronic microscope, for example. I request this as a basic item of instructional equipment.

- C. Advertising sequence continues to attract strong enrollment with little support beyond one adjunct lecturer. Discussion with him has led to a change in emphasis in the course, giving up for the time being an annual competition in the Rocky Mountain Federation of Advertising Agencies. UNM students have had to compete against majors from universities offering far more intensive and complete curricula. On the plus side, UNM graduates, in the advertising sequence are in demand by employers. It may be that closer liaison with The Anderson School of Business Management might help develop a more professional advertising sequence.
- D. The value of adjunct instructors to this department is seen in replacements hired temporarily for the 1980-81 sabbatical leave of Professor Charles Coates, sole instructor for broadcast. Bob Grossfeld, KOB radio news director, will teach that specialty and Janet Blair, KOAT-TV, will teach television news in Mr. Coates' absence. The department had no success in attempting to hire a broadcast professor to replace Stuart Novins, who was to have retired at the end of the Summer, 1980 session. The entering salary provided for this position was insufficient for the

professionally-tempered type of person we seek: a man or woman who has done commercial radio and television news reporting, photography, editing and direction. A proposed addition of seven broadcast courses to the department's offering will, I think, improve our chances for having this sequence accredited by the American Council on Education in Journalism (ACEJ), just as our news-editorial sequence is, and has been, since the department was organized in 1948. It also requires professionally-oriented faculty. We have resumed a national search for two faculty members, one a broadcast person, but if recent experience prevails, I'm prepared to work with visiting adjuncts. This would provide flexibility while the new course offerings are added to the sequence which also must be adjusted to students already in this sequence. The transition years offer an exciting challenge and opportunity, to better prepare our students and to improve a prevailing good relationship with the profession in the state and in the Southwest. (Two news photography students were hired this summer by the Lubbock Avalanche-Journal; another worked as an intern on the El Paso Times and another on the Santa Fe New Mexican.)

- E. In professional relations, I've suggested starting a series of one-day workshops for working journalists in the area. Professor Margaret Hyman will direct the first of these in

the Fall. Response from our professional colleagues has been quite satisfactory, indicating they would like to look to UMM for leadership and assistance.

Professor Fred Bales remains active with the Society of Professional Journalists, New Mexico professional chapter.

Professors Novins and Hyman participated in a careers program for high school students organized by the Albuquerque Press Club and by SPJ. More than 100 students attending heard the keynote address by Mr. Novins. Ms. Hyman was a member of a panel discussing the variety of news media, drawing on her experience as UPI Caribbean Bureau Chief to discuss the wire services.

Professor Lawrence attended a Careers Day organized by Hobbs High School and the Hobbs Chamber of Commerce in March, during spring semester break. He addressed student conferences on careers in journalism, and also visited journalism departments at Chapel Hill and University of Massachusetts, Amherst, in May, just for shop talk.

The scheduled return of Professor Tony Hillerman to this department in August, 1981, is extremely good news. His depth and breadth in all phases of journalism practice and teaching make him invaluable.

II. Composite of information requested on biographical supplements.

1. Assistant Professor Fred V. Bales received his Ph.D. from the University of Texas, Austin, in May, 1980.
2. Associate Professor Charles K. Coates is with the NBC-TV special election team during the first part of his sabbatical leave,

renewing himself in activity preparatory to writing a text for teaching broadcast courses.

3. Professor Hillerman's sabbatical leave, Semester I, 1980-81, will be spent similarly, renewing himself in journalism contacts.
4. Assistant Professor Margaret Hyman has served on the Student Publications Board, participated in a high school Careers Day program as noted earlier. She also worked last summer on the Albuquerque Journal copy desk, to renew her professional credentials.
5. Assistant Professor Novins keynoted the high school careers day program also noted earlier, and has filled a number of speaking engagements in the community, drawing on his 35 years with CBS radio and television.
6. Assistant Professor Lawrence addressed the national convention of the Outdoor Writers of America last July. His topic, "Interviewing the Right Way," was followed by a question and answer session from the floor. He also was chairman of Student Publications Board and served as acting chairman of the department during the late Professor James Crow's sabbatical.
7. The untimely death of Professor Crow July 12, left a deep void in the department, professionally and personally. A memorial scholarship for Native American journalism students was suggested by me, and it has received considerable support from his many friends, and former students, in the profession. Professor Novins

agreed to postpone his retirement until December, 1980, and a visiting assistant professor, Ivan Innerst, formerly with UCLA and Penn State, will teach two of the courses Dr. Crow was to have taught. I appreciate the cooperative spirit of my colleagues in the considerable schedule revamping required as a result of Dr. Crow's death. This includes Mrs. Terry Halpin, department secretary, who--like many secretaries--often does not receive proper acknowledgment.

ANNUAL REPORT OF THE DEPARTMENT OF LINGUISTICS

July 1, 1979 - June 30, 1980

Garland D. Bills, Chairman

I. GENERAL INFORMATION

A. Highlights of the 1979-80 Academic Year

1. Faculty and Administration

In its seventh year the Department continued with a budgeted faculty of only 2.83 FTE: Professor Bernard Spolsky (.33, .67 Graduate Studies), Professor John W. Oller, Jr. (1.0), Associate Professor Garland D. Bills (.50, .50 Modern & Classical Languages), and Assistant Professor Alan Hudson-Edwards (1.0). In addition, Rodney W. Young (Testing Division) held a nonprobationary nonbudgeted appointment as Assistant Professor of Linguistics, and Professor Vera John-Steiner (Educational Foundations) and Assistant Professor Larry Gorbet (Anthropology) held nonbudgeted joint appointments in the Department.

The Department was governed by a Voting Faculty of fourteen: the preceding and Professor Robert White (Secondary and Adult Teacher Education), Associate Professors Dean Brodkey (Elementary Education), Dolores Butt (Communicative Disorders), Jean Civikly (Speech Communication), Marlis Mann (Elementary Education), Leroy Ortiz (Elementary Education), and Roy Pickett (English). Departmental assignments for 1979-80 were as follows:

Policy Committee: Ortiz, White, Young, Bills.

Graduate Committee: Brodkey, Civikly, Pickett, Bills.

MA Examination Committee: Butt, Gorbet, Hudson-Edwards.

Tenure/Promotion Committee: Bills, Young, White.

Library Representative: Brodkey.

DLC Faculty Advisor: Hudson-Edwards.

Undergraduate Advisor: Hudson-Edwards.

Graduate Advisor: Bills.

The Department's interdisciplinary mission was supplemented by twelve Associated Faculty: John Bergen (Modern & Classical Languages), Philip Bock (Anthropology), Victor Bolie (Electrical Engineering & Computer Science), Matthieu Casalis (Philosophy), Guillermo Engelbrecht (Elementary Education), Rosa Fernández (Secondary & Adult Teacher Education), Michael Hogan (English), Charlene McDermott (Philosophy), Bruce Porch (Neurology), Scott Rushforth (Anthropology), Ellen Spolsky (English), and Marta Weigle (Anthropology). Engelbrecht and Hogan were named to the Associated Faculty last fall.

Continuing to advise and serve the Department in many ways was Professor Emeritus Robert W. Young.

On sabbatical leave in 1979-80 were Professors John Steiner and Oller for the academic year and Professor Spolsky for the fall semester.

2. Faculty Research, Service, and Honors

Professors B. Spolsky, Engelbrecht, and Ortiz received in October a \$47,953 grant from the National Institute of Education for the first year of a three year (10/1/79-9/30/82) \$140,000 project titled "Sociolinguistics of Literacy: An Historical and Comparative Study". This study will examine the development of literacy in a number of parts of the world, including northern

New Mexico and the Navajo reservation.

Professor B. Spolsky has received \$46,811 from the National Endowment for the Humanities to conduct an NEH Summer Seminar for College Teachers on "Bilingualism: Social and Individual Aspects" in conjunction with the 1980 Institute this summer.

Professor Hudson-Edwards' Voting Rights Project was officially completed last August with the release of a final report that received considerable press coverage throughout the nation. He received a supplementary grant of \$15,000 from the Federal Election Commission to conduct several seminars for election officials during the summer and fall of 1979.

Professor Robert Young's Navajo dictionary project was wrapped up this spring with the submission of the complete text to UNM Press for publication with a subvention from the National Endowment for the Humanities. This monumental grammar and dictionary of 1,540 pages is scheduled to appear in July, 1980.

Especially significant among the many honors received and services performed by members of the Voting Faculty this year were the following. Professor John-Steiner was awarded an IREX fellowship last fall for three months' tenure with the Faculty of Psychology at the University of Budapest. She has also just been named director of the Santa Fe Center for Graduate Studies effective for the coming year. Professor B. Spolsky held the Lady Davis Visiting Professorship at the Hebrew University of Jerusalem during his sabbatical last fall. In December he was named chairman of the Board of Trustees of the Center for Applied Linguistics. He is also one of the three editors of the new journal Applied Linguistics published by Oxford University

Press. Professor Oller, in addition to being invited to teach at the TESOL Summer Institute at UCLA last year, was one of the two nominees this spring for the First Vice Presidency of the international TESOL organization.

3. Students

The Department continues to remain in the dark as far as any reliable accounting of undergraduate majors and minors.

There were ten students officially enrolled in the MA program in 1979-80. There was one graduate in December: Kelley Weaver Donovan.

The new interdisciplinary doctoral concentration in Educational Linguistics within the GDE doctoral program was initiated last fall with the admission of three students; there were 13 applicants for the five openings for next fall. The concentration is administered through the Department of Educational Foundations by a committee composed of twelve members of the Linguistics Voting Faculty, with Professor Brodkey serving as the concentration coordinator.

Two 1979-80 Ph.D. recipients having a linguistics emphasis were: Frank W. Hardy (Educational Foundations) with a dissertation on "Navajo Aspectual Verb Stem Variation" under the direction of Professor Oller, and Thomas E. Beck (Secondary and Adult Teacher Education), whose dissertation on "Reports by Native and Non-Native Speakers of English on Their Strategies on the Cloze Procedure: Implications for Language Proficiency Testing and Language Learning" was directed by Professor White. Beck is now teaching at the Tokyo University of Foreign Studies, and Hardy has a position at Southwestern Adventist College in Texas.

Takayoshi Makino, who received the Ph.D. here in Spring 1979 and who is now an assistant professor at Hokkaido University, was awarded the 1979 English Language Education Council of Japan prize for his dissertation entitled "English Morpheme Acquisition Order of Japanese Secondary School Students".

4. Lectures and Visitors

The Duke City Linguistics Circle, superbly guided by Beth Pachak as student president and Professor Hudson-Edwards as faculty advisor, contributed to yet another exciting year of special activities in linguistics. The DCLC directly arranged eight lectures in 1979-80:

Alan Hudson-Edwards (Linguistics, UNM), "Language Death: A Survey of Recent Literature" (September 10).

Steven O. Stout (Southwest Hearing, Speech, and Language Associates, Albuquerque), "American Indian English Compared: Ethnic Perspectives" (October 1).

Michael E. Krauss (University of Alaska), "Materials Development for Alaskan Native Languages" (October 18).

Muriel Saville-Troike (Georgetown University), "Current Issues in First and Second Language Research" (October 25).

John W. Oller (Linguistics, UNM), "Biological, Neurological, and Psychometric Evidence for Language as Intelligence" (November 19).

Victoria A. Fromkin (University of California, Los Angeles), "Psycholinguistic and Neurolinguistic Aspects of Language Development" (February 28).

Carol Westby (Communicative Disorders, UNM), "Development of

Symbolic Representational Systems and Their Relationship to Language" (March 11).

Bernard Spolsky (Linguistics, UNM), "The Languages of Palestine in the First Century: A Venture in Historical Sociolinguistics" (April 23).

Other important linguistics presentations that were promoted by the DCLC this past year included:

Larry Garbet (Anthropology, UNM), "A Problem in Southwestern Areal Linguistics" (October 4), sponsored by the Department of Anthropology.

Michael E. Krauss (University of Alaska), "Alaskan Native Languages: Past, Present, Future" (October 16) and "Linguistics and Athabaskan Languages" (October 17), both in the Department of Anthropology's Harvey Lecture Series.

Amado M. Padilla (University of California, Los Angeles), "Children Who Speak Two Languages: A Psycholinguistic Report" (February 29), sponsored by the Department of Psychology.

Linguistics students and faculty also contributed prominently to the activities of the growing New Mexico TESOL Association, presided over this year by Dennis Muchisky, Lecturer in the Intensive English Institute whose appointment is through the Department. For the fall conference at the Albuquerque Convention Center on October 26, Donald Knapp (Temple University) gave the featured address on "What Communicative Competence Is Really Necessary and How We Can Foster It". The spring conference at the Ramada Inn East on April 19 featured Earl W. Stevick (Foreign Service Institute) speaking on

"Who Do Our Students Think They Are Anyway: The Medium is a Message". NMTESOL also sponsored two on-campus presentations: "A Demonstration of Community Language Learning" by Steve Ross and Erlinda Gonzalez Berry (November 29) and "Techniques in Using the Silent Way: English, Japanese, and Farsi" by Ruth Mindell, Steve Ross, and Randy Biggers (February 14).

5. 1980 Institute

The Department has been intensively occupied this year with final preparations for the 1980 Linguistic/TESOL Institute this summer. The Institute will consist of 58 courses offered through eleven departments and taught by 15 local faculty and 32 visiting faculty. A detailed final report will be prepared next fall and appended to the 1980-81 annual report; the following brief notes on confirmed outside support for the Institute will illustrate the significance and magnitude of this undertaking.

Visiting faculty support: \$6,800 from the Linguistic Society of America; \$10,000 from the TESOL organization; \$8,000 from New Mexico State University; \$1,500 from the Gulbenkian Foundation; \$1,638 from the Center for Applied Linguistics; one air fare from Peru and eight weeks of per diem from Fulbright; one air fare from England from the British Council; and one air fare from Portugal from the Instituto de Cultura Portuguesa.

Student scholarship support: upwards of \$45,000 from the Linguistic Society of America, including \$25,000 in outright and matching funds from the Ford Foundation; an additional \$6,226 directly to UNM from the Ford Foundation; and \$1,800 (through the University of Arizona) from the National Endowment for the

Humanities.

Special activities support: \$9,315 from the National Endowment for the Humanities for a symposium on Athapaskan linguistics; \$7,410 from the National Science Foundation for a symposium on neurolinguistics and bilingualism; \$13,646 from the National Science Foundation for a symposium on Uto-Aztecan linguistics; \$8,688 from the Ford Foundation for a language policy seminar; \$10,086 from the Ford Foundation for a sociolinguistics research training workshop; and \$8,555 from the National Endowment for the Humanities (through the University of Chicago) for a lexicography conference. Also relevant here is the \$47,000 in National Endowment for the Humanities support of Professor Spolsky's summer seminar mentioned above and the varied Linguistic Society of America and the TESOL organization support for the annual summer meetings of these two professional organizations.

B. Future Plans and Recommendations

As in the past, the most pressing future concern of the Department is the securing of additional faculty. While the activities of both faculty and students and the hosting of the 1980 Institute bring enormous academic prestige to the University of New Mexico, the program's pursuit of excellence is continuously undermined by serious erosion in staffing. The problems of previous annual reports persist and new losses are suffered: the departure of Professor Spolsky and the reduction to halftime on-campus teaching for Professor John-Steiner with her appointment as director of the Santa Fe Graduate Center.

The Department must have additional faculty. The immediate

approval of a fulltime position effective for 1980-81 is crucial. Another position in Linguistics beginning the following year is essential to recoup diminished strength and to strive for the academic excellence that the Department has demonstrated to be a very real possibility for this university.

C. Appointments to Staff

No budgetary appointments in Linguistics have been made this year. The Department of Psychology has appointed Jean Newman at the assistant professor rank for 1980-81 to partially compensate for the loss of that department's psycholinguistics position last year.

With regard to the Department's Voting Faculty, Professor Civikly (Speech Communication) was named a permanent member effective 1979-80 upon the resignation of Carol Conrad (Psychology), and Professor Mann (Elementary Education) was added to the Voting Faculty to replace Miles Zintz (Elementary Education).

D. Separations from Staff

Professor Bernard Spolsky has resigned effective July 1, 1980, to take a position in Israel. A replacement position has not been authorized as yet.

Professor Miles Zintz (Elementary Education), a founding member of the linguistics program and member of the Voting Faculty until last year, retires this spring. Professor Ellen Spolsky, a member of the Associated Faculty, resigned from the University at the end of the 1979-80 year.

II. FACULTY INFORMATION

The following information on activities is limited to those members of the Voting Faculty who hold joint or full appointments in the Department. Only activities of calendar year 1979 are included.

2. Sabbaticals, leaves of absence, etc.

Vera John-Steiner	Sabbatical leave in Hungary during fall; additional travel to France, Italy, and Spain.
John W. Oller, Jr.	Taught at UCLA for 1st TESOL Summer Institute, 1979. Sabbatical leave during fall spent in Albuquerque with some travel.
Bernard Spolsky	Sabbatical leave in Israel during fall.

3. New scholastic honors, fellowships, etc.

Vera John-Steiner	TREX Fellowship, 9/15-12/15/79, attached to Faculty of Psychology, University of Budapest.
Bernard Spolsky	Held the Lady Davis Visiting Professorship at the Hebrew University of Jerusalem, Fall 1979.

4. Publications

Garland D. Bills	"Review of <u>A Critical Survey of Socio-linguistics</u> by Norbert Dittmar", <u>Language</u> , 1979, vol. 55, pp. 454-456.
Larry P. Gorbat	"On Discourse Syntactic Consequences of Certain Short Topic Sentences", in <u>Proceedings of the 5th Annual Meeting of the Berkeley Linguistics Society</u> , 1979, pp. 558-566. "The Case Marking of Disjunctive Complement Clauses", <u>International Journal of American Linguistics</u> , 1979, vol. 45, pp. 251-266.
Alan Hudson-Edwards	<u>Bilingual Elections: A Handbook of Ideas for Local Election Officials</u> . Washing-

ton, DC: Federal Election Commission, 1979. Co-authors: Carlos Astiz and David Lopez.

Bilingual Election Services: The State of the Art. Washington, DC: Federal Election Commission, 1979. Co-authors: Carlos Astiz and David Lopez.

Vera John-Steiner

"A Cross-Cultural Investigation of Children's Imagery". O. Garnica and M. King (eds.), Language, Children and Society (Pergamon Press, 1979). Co-authors: H. Osterreich and P. Irvine.

"A Study of Story Retelling among Young Bilingual Indian Children". O. Garnica and M. King (eds.), Language, Children and Society (Pergamon Press, 1979), Co-author: H. Osterreich.

"Review of The Creative Vision by Jacob W. Getzels and M. Csikszentmihalyi", Journal of Aesthetic Education, 1979.

"The Evaluation of Communicative Competence in Bilingual Children", Bilingual Resources, Spring 1979. Co-authors: Helgi Osterreich and Ann Nihlen.

"Review of Children's Language by Keith E. Nelson", Contemporary Psychology, 1979, vol. 24, no. 10. Co-author: Susan Carter.

John W. Olier, Jr.

Language Tests at School: A Pragmatic Approach. London: Longman, 1979. 492 pp.

"The Language Factor in the Evaluation of Bilingual Education", in J.E. Alatis (ed.), International Dimensions of Bilingual Education (Washington, DC: Georgetown University, 1978), pp. 410-422.

"The Psychology of Language and Contrastive Linguistics: The Research and the Debate", Foreign Language Annals, 1979, vol. 12, pp. 299-309.

"Explaining the Reliable Variance in Tests: The Validation Problem" in

E.J. Briere and F.B. Hinofotis (eds.), Concepts in Language Testing: Some Recent Studies (Washington, DC: TESOL, 1979), pp. 61-74.

"A Further Comment on Language Proficiency as a Source of Variance in Certain Affective Measures", Language Learning, 1979, vol. 28, pp. 417-423. Co-author: Kyle Perkins.

"The Test of English as a Foreign Language", in B. Spolsky (ed.), Advances in Language Testing: Series 1, Some Major Tests (Arlington, VA: Center for Applied Linguistics, 1979), pp. 92-100. Co-author: Bernard Spolsky.

Bernard Spolsky

"Review of Bilinguisme et contact des langues by William Francis Mackey", System, vol. 7, no. 1, pp. 67-83.

"Comparative Study of First and Second Language Acquisition", chap. 10 of Fred R. Eckman and Ashley J. Hastings (eds.), Studies in First and Second Language Acquisition (Rowley, MA: Newbury House, 1979).

"Problems in the Assessment of the Effect of Language Education Policies in a Multilingual Society", in Language Development in a Bilingual Setting. (Los Angeles: National Dissemination and Assessment Center, 1979), pp. 141-155.

Some Major Tests: Advances in Language Testing, Series 1. (Papers in Applied Linguistics.) Arlington, VA: Center for Applied Linguistics, 1979. Editor.

"The Test of English as a Foreign Language", in the preceding, pp. 92-100. Co-author: John Olier.

"Contrastive Analysis, Error Analysis, Interlanguage, and Other Useful Fads", Modern Language Journal, 1979, vol. 63, pp. 250-257.

"Overcoming the Language Barrier to Education", CATESOL Occasional Papers, 1979, vol. 5, pp. 1-7.

5. Other Research Projects or Creative Work

- Bernard Spolsky National Institute of Education grant,
"Sociolinguistics of Literacy: An
Historical and Comparative Study",
10/1/79-9/30-82, \$140,000. With
Leroy Ortiz and Guillermina Engelbrecht.
- Rodney W. Young "Fourth Annual Report on the Undergrad-
uate Assessment Program"

6. Activities in Learned and Professional Societies

- Garland D. Bills "The Study of the Spanish Language in the
United States", keynote address at the
6th Colloquium on Hispanic Linguistics,
New York, July 1979.
Discussant, Symposium on Andean Linguistics,
43rd International Congress of Ameri-
canists, Vancouver, August 1979.
Panel member and session chair, Southwest
Areal Language and Linguistics Workshop,
Phoenix, April 1979.
Member, Committee on Linguistic Institutes
and Fellowships, Linguistic Society of
America (meeting in Washington, DC,
March 1979).
Member, Executive Committee, Linguistic
Association of the Southwest.
Also attended: annual meeting of Linguistic
Society of America, Los Angeles,
December 1979.
- Larry P. Gorbet "On Discourse Syntactic Consequences of
Certain Short Topic Sentences", paper
presented at the 5th annual meeting of
the Berkeley Linguistics Society,
Berkeley, CA, April 1979.
"The Form of English Pronominal Conjunc-
tion", paper presented at the annual
meeting of the Linguistic Society of
America, Los Angeles, December 1979.
With Carol Woodall.
Also attended: Southwest Areal Language
and Linguistics Workshop, Phoenix,
April 1979.
- Alan Hudson-Edwards "Language Maintenance and Shift in Marti-
nextown, Albuquerque: Educational
Aspects", paper presented at the
annual meeting of the Linguistic
Association of the Southwest, New
Orleans, November 1979.

Vera John-Steiner

"Dialectics of Thought: Vygotsky's Legacy", presented at the Psychology and Anthropology Divisions, New York Academy of Sciences, January 1979.

Plenary session speaker on "Genetic Destiny and Women", Genes and Gender III conference, New York, January 1979.

Member, Commission on Multilingual/Multicultural Early Childhood Education, National Association of the Education of Young Children.

Invited presentations at the Psychological Institute, Linguistic Institute, and Sociological Institute of Hungarian National Academy of Science.

John W. Oller, Jr.

"Assessing Language Dominance and Proficiency of Students in Bilingual Education Programs", paper presented at the Regional Bilingual Education Conference, El Paso, TX, January 1979.

"Nonverbal Intelligence, Achievement, and Language: A Bilingual Case Study", paper presented at the 13th TESOL Convention, Boston, MA, February 1979. With S. Chesarek.

"Research Colloquium--Bias in Standardized Testing: The Language Factor", program organized with V. Streiff at the 13th TESOL Convention, Boston, MA, February, 1979.

"Research on the Measurement of Affective Variables: Some Remaining Questions", paper presented at the 13th TESOL Convention, Boston, February, 1979.

"A Study of the Reliability and Validity of the Ilyin Oral Interview", paper presented at the 13th TESOL Convention, Boston, February 1979. With A. Engelskirchen and E. Cottrell.

"Language as a Factor in Educational and Psychological Tests", plenary session paper presented at the 13th TESOL Convention, Boston, March 1979.

"Oral Cloze and the Total Physical Response: A Classroom Study", paper presented at the 13th TESOL Convention, Boston, March 1979. With E. Cottrell and A. Engelskirchen.

"Reflections on Pragmatics", plenary address at the Spring Conference of the New Mexico TESOL Association, Albuquerque, April 1979.

"Language or Intelligence?" lecture presented at the 6th annual Student Research Conference, ENMU, Portales, April 1979.

"Language, Biology, and Pragmatics", keynote address at the annual meeting of the Colorado TESOL Association, Denver, CO, November 1979.

Nominated to run for First Vice President of TESOL organization.

Bernard Spolsky

Delivered Presidential Address at the annual TESOL Convention, Boston, MA, February 1979.

"The Unresolved Tension", plenary address at the annual state convention of Illinois TESOL and Bilingual Education, Chicago, IL, March 1979.

"The 'Q' in TESOL", plenary address at the Spring Conference of the New Mexico TESOL Association, Albuquerque, April 1979.

"Sociolinguistic Aspects of the Acceptance of Literacy in the Vernacular", paper presented at the Southwest Areal Language and Linguistics Workshop, Phoenix, April 1979. With P. Irvine.

"The Modernization of Navajo", paper presented at the National Conference on Progress in Language Planning: International Perspectives, Wayne, NJ, April-May 1979. With L. Boomer.

"The Linguistic and Sociolinguistic in Language Testing", featured paper presented at the 1979 German International Symposium on Language Testing, Hurth, West Germany, July 1979.

Summation presentation at the 8th annual U.T.E.L.I. Conference, Jerusalem, Israel, September 1979.

"Advances and Retreats in the Application of Linguistics", plenary address at the annual conference of the Israel Association of Applied Linguistics, Haifa University, October 1979.

Editor, Applied Linguistics, journal published by Oxford University Press. Chairman, Board of Trustees, Center for Applied Linguistics, Arlington, VA.

Rodney W. Young

"A Sensible, Interesting, Organized, Rhetorical Procedure for the Grading of Student Essays", paper presented

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at the Conference on College Composition and Communication, Minneapolis, April 1979. With Linda Brodkey.

"Quality Index as an Alternate to GPA", paper presented at the Association of Institutional Research meeting, San Diego, May 1979. With Kirk Minnick.

7. Other Professional Activities

Vera John-Steiner

Frequent consultant to the Public Education Division of the Ford Foundation.

Danforth Fellow, 1976-82.

Member, Research Advisory Committee, CEMREL, Inc.

Member, Advisory Board, ERIC Clearinghouse on Urban Education.

Two-day workshop on cognitive mapping, Bank Street College of Education, June 1979.

John W. Oller, Jr.

"Pragmatics, Notional Functional Curricula and Tests", series of lectures for the Canadian Ministry of Education, Montebello, Canada, March 1979.

"The Validity Problem in Test Construction", lecture presented at Concordia University, Montreal, Canada, April 1979.

Consultant, Resource Development Institute, Austin, TX, on the development of the Measure of Adult English Proficiency and a test for Bilingual Vocational English Proficiency.

Consultant, Committee on Tests, Quebec Ministry of Education, two-day meeting, April 1979.

Consultant, Lau Center, San Diego State University, San Diego, CA, July and August 1979. Curricula and testing.

Consultant, Fremont School District at Cupertino, San Jose, CA, on the development of an English Test for Adult Basic Education, July and August 1979.

Consulting editor for Newbury House Publishers, Institute for Modern Languages, Foreign Language Annals, and Modern Language Journal.

Bernard Spolsky

Conducted colloquium on "Applying Linguistics" at Bar-Ilan University, Jerusalem, Israel, November 1979.

Consultant, Department of Education, Government of American Samoa, Pago Pago, Samoa, May 1979.

Rodney W. Young Consultant, English Composition Project,
New Mexico Tech.
Presentation on Individual Differences
as a Neurolinguistics Phenomenon for
an NEH funded writing workshop at
East Texas State University, Commerce,
TX, July 1979.

8. Non-teaching University Service (all these faculty are also members
of the Planning Committee for the 1980 Institute and of the Educa-
tional Linguistics doctoral concentration faculty)

Garland D. Bills Chair, Linguistics.
Director, 1980 Linguistic/TESOL Institute.
Chair, Search Committee for Navajo, Modern
and Classical Languages.

Larry P. Corbet Faculty Senate.
Faculty-Staff Welfare and Benefits
Committee.
Arts and Sciences Graduate Committee.
Head, Anthropology Graduate Committee.
MA Examination Committee, Linguistics.

Alan Hudson-Edwards Undergraduate advisor, Linguistics.
Faculty advisor, Duke City Linguistics
Circle.
Arts and Sciences Graduate Committee.

Vera John-Steiner Research Policy Committee.

John W. Oller, Jr. Associate Director for TESOL, 1980
Linguistic/TESOL Institute.

Rodney W. Young Student Affairs Committee.
Information Exchange Group.
Visiting Lecturers Committee.
Policy Committee, Linguistics.
Tenure/Promotion Committee, Linguistics.
MA Examination Committee, Linguistics.
UNM Living Learning Environment Committee.
Basic Skills Evaluation Committee.

9. Public Service

Garland D. Bills Talk on linguistics to gifted children,
Sierra Vista Elementary School,
November 1979.

Vera John-Steiner Occasional speaker for Unitarian Church
and Jewish synagogue in Santa Fe.

THE REPORT OF THE DEPARTMENT OF MATHEMATICS AND STATISTICS

JULY 1, 1979 - JUNE 30, 1980

CLIFFORD QUALLS - ACTING CHAIRMAN

During the academic year 1979-1980 the Department provided instruction to 11,943 students totalling 38,922 credit hours (these figures reflect the 21-day status). This is a increase of 1103 students and 3,676 credit hours compared to the Academic year 1978-1979. A large part of this increase (814 students), but not all of it, is due to Math 100.

I. GENERAL DEPARTMENT INFORMATION.

A. SIGNIFICANT ACHIEVEMENTS.

The department has operated most of this academic year with an acting chairman. This was made necessary when the Department Chairman, Richard Griego, assumed full time duties as Director of the Resource Center for Science and Engineering at the beginning of the third year of a three year term. There has also been a transition to the newly elected/appointed chairman, W.T. Kyner. His term will also be for three years. None-the-less, a great number of achievements and plans can be logged.

Perhaps the most significant development this past year, in terms of time and effort by the department and the chairman, has been the introduction of the basic skills program in mathematics - Math 100. However, the mathematics department is not willing to

list this as an achievement just yet. While we await the final analysis of the program, we have preliminary indications that our best efforts may not be academically successful. It should be remembered that Math 100 consists of arithmetic from the middle school and introductory algebra from the ninth grade. For the deficient student to make up two or more years of material in one semester may not always be possible. In addition, the funding for our department to do this job has been thin. For example, our request that the ACT cut score for Math 100 be changed for the Fall 1980 semester in order to solve some of the academic problems was set aside due to funding difficulties.

Revising our graduate program three years ago into three subject areas (applied mathematics, pure mathematics, and applied statistics) has proven to be a (moderate) success. Our graduate enrollment has begun a recovery as indicated by the number of graduate students listed at the end of this section. An innovative feature of the graduate program is the practicum project for students with local industry. We continue to have more requests for practicum arrangements from industry than we have students ready to fill these requests.

This department has been quite successful in hiring new faculty this past year. To mention one, Dr. Carla Wofsy will join our staff beginning this Fall 1980 semester. She is a bio-mathematician with an established research record. Our department has a number

of faculty in applied mathematics and statistics with interests in biological models and who have interaction with UNM's medical school, and the department of biology. In addition, the curriculum has been changed so that biology students who did take Math 180 will take a special calculus course with biological applications. Dr. Wofsy will be able to interact both with the applied mathematicians and the statisticians and provide a focus for all these activities thereby forming a recognizable group in bio-mathematics.

We have begun to strengthen our programs by involving local professional mathematicians. We have made adjunct professor appointments for H.T. Davis, a statistician in private practice, and Richard Hanson, a numerical analyst at Sandia Corporation. Other such appointments are now being arranged.

Our department continues to make significant contributions recruiting and encouraging minority students in mathematics and sciences. Most of these efforts are directed by Richard Griego. He is the director of the Southwest Resource Center for Science and Engineering, which is funded by NSF for 2.7 million dollars for a four year period. Our department participated directly with the Resource Center this summer in offering a special short course in mini-computers to mathematics teachers in targeted middle schools of New Mexico. The Minority access to Research Career (MARC) Program continues into its third year of operation. This is a NIH-funded program also directed by Richard Griego. The Graduate Professional Opportunities Program, a HEW-funded Title IX program, provides

four fellowships to minority and/or women graduate students in our department.

Another area of achievement in our department has been the ability to govern ourselves well (a judgement of this Chairman). A significant evaluation of our faculty's teaching load was done two years ago; and an even more far-reaching re-evaluation was accomplished this year. In this re-evaluation teaching loads were increased for nearly a third of our faculty; and the extra teaching capability beginning this Fall 1980 semester, will immediately be consumed in the additional sections of freshman mathematics needed for increased enrollments in courses other than Math 100. Perhaps another indication of this area of achievements is the number of mathematicians "on loan" to other parts of the university. Richard Griego is full-time director of the Southwest Resource Center, Cleve Moler will be the Chairman of the Computer Science Department in the College of Engineering for a three year term, Richard Metzler will spend half time as Associate Dean of the College of Arts and Sciences this next year, and David Sánchez is beginning a term as presiding officer of the Faculty Academic Senate.

This past year has seen some important developments in curriculum. An honors calculus sequence which has been offered

over the past few years has been formalized with separate course numbers, Math 172 and 173. Special sections of Math 180 Calculus with biological applications have been introduced for biology majors; a 1-unit Math 295 course on professional careers for mathematics majors has been introduced. The Anderson School of Management requested that their students be taught statistics at a higher level than our Math 102. After unsuccessfully trying to combine their students with engineering students in Math 345, we are introducing a new course, Math 245, with a one semester calculus prerequisite. There have been talks with the College of Engineering and particularly the Department of Computer Science on revising existing mathematics service courses. There continues to be modifications to our newly instituted graduate program with a revised departmental hand book for graduate students issued this summer.

Our Department has joined with the College of Education and the Albuquerque Public Schools to form the Joint Mathematics Advisory Committee. This committee is making recommendations on college mathematics curriculum to strengthen the mathematical preparation of all prospective elementary and secondary teachers. The committee's concern about accreditation of mathematics teachers in the elementary and middle schools will be on the agenda of the State's Educational Standards Committee this fall. It is hoped that this committee can have some favorable impact on the mathematics instruction state wide. This seems the best way to deal with the

mathematics remedial problems at the university level.

The Department Colloquium Series under the joint guidance of Professors David Sánchez and Bernard Epstein featured forty speakers this year. Speakers came from such U.S. schools as Stanford, University of Chicago, University of Washington, University of Utah (2), UCLA (3), Arizona State (2), University of Maryland, MIT, Pennsylvania State University, Purdue, Rice, University of Michigan, Carnegie-Mellon. Foreign speakers were from the University of South Wales, Cameroon-University of Yaounde, Bedford College in London, Akademie de Wissenschaften - Germany. We also had speakers from Los Alamos Scientific Laboratories, Sandia Corporation, Navel Research Labs., Oakridge National Laboratories in Tennessee and U.S. Navel Weapons Center. Six graduate students in our department presented their Defense of Dissertation during our regular colloquium scheduled hour and announcements were sent to our regular colloquium mailing list.

The Department had four visitors this year - they were: Professors R.D. Branstetter, San Diego State University, Sem II, Robert Boland, Clemson University and currently with Kirtland Air Force Base, I, and II, [Dr. Boland received an Adjunct Professor appointment], Richard Gibbs, Fort Lewis College, Durango, Colorado, I and II, and Larry Kugler, University of Michigan, Sem. II.

Laura Cameron was promoted to Lecturer III beginning 1980/81.

Enrollment figures for Graduate Students are listed for the past eleven years:

1979-80	36 Full-time students	22 part-time-students
1978-79	30 Full-time students	20 part-time students
1977-78	30 Full-time students,	11 part-time students.
1976-77	37 Full-time students,	17 part-time students.
1975-76	46 Full-time students,	34 part-time students.
1974-75	39 Full-time students,	26 part-time students.
1973-74	48 Full-time students,	25 part-time students.
1972-73	46 Full-time students,	41 part-time students.
1971-72	61 Full-time students,	64 part-time students.
1970-71	59 Full-time students,	44 part-time students.
1969-70	57 Full-time students,	46 part-time students.

Enrollment for Undergraduate Math Majors for the past eight years.

1979-80	127	Undergraduate Mathematics Majors
1978-79	129	Undergraduate Mathematics Majors
1977-78	110	Undergraduate Mathematics Majors
1976-77	141	Undergraduate Mathematics Majors
1975-76	144	Undergraduate Mathematics Majors
1974-75	139	Undergraduate Mathematics Majors
1973-74	112	Undergraduate Mathematics Majors
1972-73	118	Undergraduate Mathematics Majors

GRADUATION 1979-80 1978-79 1977-78 1976-77 1975-76 1974-75 1973-74

Ph.D.	3	1	6	6	5	5	5
Master's	5	7	5	7	5	4	8
B.S.	20	15	20	32	30	35	24

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

The size and complexity of the Department of Mathematics and Statistics now demands a reorganization of the administration in the Department. Laura Cameron has been appointed to the newly created position of Director of Freshmen Mathematics which will be a three quarters time administrative position. The mathematics staff offices will be remodeled to reflect this reorganization. Office staff duties will also be reorganized.

The Department plans to do its own evaluation of the basic skill Math 100, and participate actively in the decision processes concerning the experimental program in basic skills.

Increasing enrollments in mathematics even without considering Math 100 has pushed our budget out of the traditional pattern. We have doubled the number of sections taught out of the part-time budget. We have approval for next year only to increase the number of Teaching Assistants in our department from 22 to 24. We have approval for next year only to hire two part-time lecturers on a full-time basis. We need to convert some of this teaching responsibility into regular faculty lines on our budget. Another major problem to be solved this next year will be to budget the department's student help at a reasonably current expenditure level. The expenditures are absolutely necessary in mathematics and our college continues to meet the need, but it would be better if it appeared in the budget (this Chairman's judgement).

The mathematics placement procedures included help from the A & S Advisement Center this past Summer. Since they do not seem anxious to continue, the procedures for next Summer will need to be revised to a smaller effort or some extra advisors will need to be hired.

The Secondary School Mathematics Contest conducted statewide by our Department until it was not funded for the 1979-80 year was missed by many students and teachers in New Mexico. It will be offered this next year.

The new Chairman, Walter T. Kyner, plans to encourage the research effort of the Department's faculty. We will be seeking to hire a numerical analyst to replace Cleve Moler.

C. APPOINTMENTS TO STAFF.

This was Evangelos Coutsias's first year with us on a tenure-track three year term appointment as an Assistant Professor in Applied Mathematics. Patrick Miller and Timothy Straney each began a three year term contract as lecturers this year. We were fortunate to hire a bio-mathematician, Carla Wofsy, and a global analyst, Howard Fegan. Both Carla Wofsy and Howard Fegan are on a tenure-track appointment Code 4.

Appointments to Adjunct Professors include Dr. H.T. Davis in private practice and Dr. Richard Hanson at Sandia Laboratories.

D. SEPARATIONS FROM STAFF.

James Lewis retired from our department June 1980. He plans to continue his research efforts in environmental science and his contact with the department.

II. COMPOSITE OF INFORMATION REQUESTED ON INDIVIDUAL BIOGRAPHICAL SUPPLEMENTS.

1. ADVANCED STUDY.

Timothy B. Straney: Course work in computer science, UNM.

2. SABBATICALS, LEAVES OF ABSENCE, TRAVEL, ETC.

Ralph E. DeMarr: Spring 1979, University of California, Santa Barbara.

Donald W. Dubois: Spring 1979, Universidad Computense de Madrid; University of Barcelona, Spain, delivered lectures at both universities.

Richard M. Grassl: Spring 1979, University of Surrey, Guildford, England. Gave graduate-faculty seminar at Univ. of Surrey on recent developments in plane partition theory. Also, presented by invitation, a colloquium talk at the University of North Wales, Bangor on April 27, 1979.

Richard J. Griego: taught summer course (one week) at Universidad Nacional Autonoma de Mexico.

Liang-Shin Hahn: Fall 1979, Visiting Professor at the National Taiwan University, Taipei, Taiwan. (LOA)

Reuben Hersh: Spring 1979, Visiting Professor, Brown University; Fall 1979, Visiting Professor, University of California, Berkeley.

Abraham Hillman: Sabbatical Spring 1979.

Stanly Steinberg: Visited UNAM-ILMAS in Mexico City for three weeks.

3. NEW SCHOLASTIC HONORS, FELLOWSHIPS, ETC.

Richard J. Griego: Awarded \$2.74 million grant from NSF for the Resource Center for Science & Engineering. Awarded renewal of National Institute of Health Grant for the Minority Access to Research Careers Program (\$89,808).

4. PUBLICATIONS.

Evangelos A. Coutsias: 'Stable Oscillations in single species growth models with hereditary effects', Math. Biosci. 44: 255-268 (1979).

'On an application of perturbation methods to the Beam-Beam Interaction', to appear in the proceedings of the Symposium on "Nonlinear Dynamics and the Beam-Beam Interaction", Brookhaven National Laboratory, March 19-21, 1979.

Gustave Efrogmson: 'Nash rings on planar domain', Transactions American Math Society, (435-445), Vol. 249 #2, May 1979.

'La Geometrie algebrique reele et le 17th probleme de Hilbert', (w/J. Bochnak), C. R. Acad. Si. Paris, t. 287, 9 October 1978.

Bernard Epstein: "Comparison between Two Error Estimation Procedures", published in Information Linkage between Applied Mathematics and Industry, John Wiley, 1979.

Roger C. Entringer: A characterization of maximum critically 2-connected graphs, J. Graph Theory 2 (1978), 319-327.

A theorem on critically 3-connected graphs, (with P. J. Slater), Nanta Math. 11 (1978), 141-145.

A sufficient condition for equality of edge-connectivity and minimum degree of a graph (with D. L. Gordin-Smith), J. Graph Theory 3 (1979), 251-255.

A class of graphs with restricted neighborhoods, (with K. T. Rawlinson), J. Graph Theory 3 (1979) 257-262.

Gossips and telegraphs, (with P. J. Slater), J. Franklin Inst. 307 (1979), 353-360.

Archie G. Gibson: "Long range invariance principle revisited", (with C. Chandler), Indiana University Mathematics Journal, 1979, Vol. 28, pp. 389-403.

Richard M. Grassl: "Skew-Tableaux and the insertion algorithms", (with A. P. Hillman). Accepted by the J. of Combinatorics, Information and System Sciences, to appear Vol. 4, No. 3, Fall 1979.

Richard J. Griego: Strong approximation of diffusion processes by transport processes, Journal of Math. of Kyoto Univ., Vol. 19, No. 1, 1979, pp. 91-103.

Convergence of branching transport processes to branching motion, Stochastic processes and Applications, Vol. 8, 1979, pp. 269-276.

Introduction to SACNAS Proceedings of Conference in Boulder, CO.

Ling-Shin Hahn: Research Problems in Egyptian Fractions, "SUGAKU". Mathematical Society of Japan Vol. 31 (1979) No. 4, 376.

Reuben Hersh: Some Proposals for Reviving the Philosophy of Mathematics, Adv. Math., 31-50, Jan. 1979.

High Accuracy Stable Difference Schemes for Well-Posed Initial Value Problems, (with T. Kato), SIAM Publications p. 670-682, 1979.

Abraham P. Hillman: "Nearly Linear Functions", Fibonacci Quarterly, 17 (1979), 84-89.

"The (38th) W. L. Putnam Math. Competition," Amer. Math Monthly, 86 (1979) 168-175.

"Functions on Tableau Frames", Discrete Math., 25 (1979) 245-255.

"Skew-tableaux and Insertion Algorithms", Jour. of Combinatorics, Information and Systems Science, 4 (1979) No. 3.

"The (39th) W. L. Putnam Math. Competition", Amer. Math. Monthly, 86 (1979) 749-757.

W. T. Kyner: Mannitol-induced bulk flow of CSF into brain (abstract). Ann. Neurol. 4:180, 1979. (w/G.A. Rosenberg). Mannitol-induced bulk flow of CSF into brain. Trans. Amer. Neurol. Assn 103:1-2, 1978. (w/G.A. Rosenberg).

Bulk flow of sucrose in the interstitial fluid of white matter under nonpathologic conditions (abstract). (w/G.A. Rosenberg). Neurology 29:534, 1979.

Bulk flow of brain interstitial fluid under normal and hyperosmolar conditions. (w/G.A. Rosenberg and Estrada E.) Am. J. Physiol. (in press).

Catherine A. Macken: "Effects of sulphuric acid aerosols on the pulmonary function of guinea pigs", submitted to Journal of Toxicology and Environmental Health, Dec. 1979.

Richard G. Metzler: "Representation of Pseudo-Lattice Ordered Vector Spaces", J. Austral. Math. Soc. (Series A) 27 (1979) 167-172.

Merle Mitchell: Mathematical History: Activities, Puzzles, Stories, and Games, National Council of Teachers of Mathematics, copyright 1978, 74 pages.

Cleve B. Moler: An estimate for the condition number of a matrix (with A. Cline, G. W. Stewart, J. Wilkinson). SIAM J. Numer. Anal. 16, 368-375, 1979.
LINPACK 'Users' Guide, (with J. Dongarra, J. R. Bunch, G. W. Stewart). SIAM Publications, 368, 1979.

C. W. Onneweer: Pointwise differentiation on local fields, in Proc. Symp. Pure Math XXXV, part 2 (1979), 329-331.
Sets of divergence in the group of integers of a p-adic or p-series field, Ann. Univ. Sci. (Budapest) 21 (1978), 13-20.

Pramod K. Pathak: Nonparametric estimation of an acceleration parameter (with W. J. Zimmer), Comm. Statist. Theor. Meth. A8 (1979) 367-383.

A new proof of a theorem of Polya. Studia Sci. Math. Hung. 10 (1975), 317-322.

Steven Pruess: "Numerical methods for eigenvalue problems with eigenparameter in the boundary conditions", with Charles Fulton, J. Math. Anal. Appl., 71 (1979), 431-462.
 "Alternatives to the exponential spline in tension", Math. Comp., 33 (1979) 1231-1281.
 "An extrapolation method for two point BVP's", in Codes for BVP's, Springer, 1979, 257-262.
 "Summary of workshop on basis selection", Springer, 1979, 263-265.

Stanly Steinberg: Lie theory and differential equations. Information Linkage Between Applied Mathematics and Industry, edited by P.C.C. Wang, Academic Press (1979) New York, 365-371.
 Symmetry operators, Proceedings of the 1979 MACSYMA User's Conference, edited by V. Ellen Lewis, Washington, DC, 408-444.

Ronald M. Schrader: "Reinforcement Patterns in Depression", Behavior Therapy 10, 1-14 (1979).

W. J. Zimmer: "Non-Parametric Estimation of an Acceleration Parameter" with P. K. Pathak and R. E. Williams, Communications in Statistics-Theor. Meth. A8(4) 367-383 (1979).
 A Non-Parametric Approach to Accelerated Life Testing" with M. Shaked and C. A. Ball, Journal of the Amer. Stat. Assoc. Vol. 74, No. 367, 694-699, Theory and Methods Sec. Sept. 1979.

5. OTHER RESEARCH PROJECTS OR CREATIVE WORK IN PROGRESS.

Richard C. Allen, Jr.: Continued work on a sophomore-junior text on ordinary differential equations (w/W.T. Kyner);
 Pancreatic insulin production in man: measurement by "inverse solution" of peripheral connecting peptide behavior (w/R.P. Eaton, D. Schade, K. Erickson, J. Standifer), submitted to J. of Clinical Investigations.
 Receptor depletion in ketoacidosis prone diabetes mellitus: response to tolbutamide therapy (w/R. Galagan, R. P. Eaton, E. Kaufman), Manuscript in preparation;
 Kinetic analysis of beta apoprotein behavior in human lipoproteinemia (w/R.P. Eaton, E. Schade), Manuscript in preparation;
 Cord blood erythrocyte binding of I^{125} insulin: the effect of fetal hyperinsulinemia (w/E. Kaufman), manuscript in preparation;
 A spline method for the linear compartmental problem (w/S. Pruess), manuscript in preparation;
 NIH Grant: Lipoprotein-Carbohydrate Metabolism, co-investigator, \$67,935 (2nd year of 3 year grant);
 NICHD Grant, Physiologic and Developmental Mechanisms in Diabetes, co-investigator, \$35,000 (3rd year of 5 year grant).

A. Carasso: Research in partial differential equations and applications" Army Research Office, Grant #DAAG-29-78-G-0091 duration 3 years, amount \$42,000.

Robert F. Cogburn: "Markov chains in random environments", accepted for publication by Annals of Probability.
 "Birth and death processes with random environments in continuous time", (w/Wm. Torrez) submitted to Advances in Applied Probability.
 "On determining absorption probabilities for Markov chains in random environments", (w/Richard Bourgin) submitted to the Journal of Applied Probability.

Evangelos A. Coutsias: "Behavior of gap systems far from equilibrium", in preparation (joint work with B.A. Huberman of Xerox Labs, Palo Alto).

Ralph E. DeMarr: An abstract study of linear programming.
 A generalization of Sinkhorn's theorem.
 An abstract model of Gaussian Elimination.

Donald W. Dubois: Accepted for publication (three papers) Real Commutative Algebra I, II, III; in Rev. Mat. Hisp.-Americana.
 Submitted for publication: General Numeration I & II; 2nd Note on Artin's solution to Hilbert's 17th problem. Order Spaces.
 In progress: papers on Normal order genus and universal ordered fields.

Gustave Efroymson: A new inequality for symmetric functions", with Blair Swartz and Burton Wordroff, soon to be published.

James Ellison: Awarded an Associated Western Universities faculty appointment at Sandia Laboratories during the Spring semester for study and research into dislocations and their effect on channeled particles. (\$3,600 for released time from one course).
 Work completed on an analytical model for dechanneling by dislocation--to be submitted.
 work in progress on statistical equilibrium in axial channeling;
 work in progress on a Stefan problem arising in ion-solid interactions.

Bernard Epstein: Research on error-estimation techniques for ordinary and partial differential equations, sponsored by Kirtland AFB (IPA appointment).

Roger C. Entringer: External maximal uniquely hamiltonian graphs, (with C. A. Barefoot), J. Graph Theory (accepted for publication).
 Minimum graphs with complete k-closure, (with L. Clark and D.E. Jackson), Discrete Math. (accepted for publication).
 On the maximum number of cycles in a graph, (with P.J. Slater) submitted for publication).

A census of maximum uniquely hamiltonian graphs, (with C. Barefoot) (submitted for publication).

Archie G. Gibson: A Two-Hilbert-Space Formulation of Multichannel Scattering Theory", (with C. Chandler), to appear in the proceedings of the Conference on Mathematical Methods and Applications of Scattering Theory.
N-Body Quantum Scattering Theory in Two Hilbert Spaces" (with C. Chandler) a series of papers in preparation.

Richard J. Griego: Growth dynamics of multicellular spheroids of three murine tumors (with A. Martinez), submitted to Growth--supported on NIH Grant RR08139.

Liang-Shin Hahn: Research projects: Application of Hyperfunctions to Harmonic Analysis
Interpolation Theorems
Multipliers

Abraham P. Hillman: A paper "Review, Spectral, and Self-generating Sequences", to appear in Fibonacci Quarterly, 18 (1980) April issue.

Lambert H. Koopmans: Steroid hormones and aging: Free testosterone, testosterone and androstenedione in normal females aged 20-87 years (w/F. Purifoy and R. Ataus); accepted for publ. in Human Biology.

Steroid hormones and occupation (w/F. Purifoy), submitted for publication.

Completed book manuscript: An Introduction to Exploratory and Inferential Statistics--to be published by Duxbury Press in 1981.

Two research projects arising from work on UNM Diabetes Grant (w/R. Allen) are in progress.

Walter T. Kyner: Research in medical physiology with Dr. G. Rosenberg (Neurology) and Dr. R. Knodell (Gastroenterology).

James V. Lewis: Urban and regional planning: The evaluation of joint use of facilities for flood control and recreation--for the Albuquerque Metropolitan Arroyo Flood Control Authority.

Catherine A. Macken: Research into measures of dumping based on nearest-neighbor distances in more than two dimensions. (MARC Grant giving 2/9 of salary for the Summer of 1980).

Cleve B. Moler: An efficient matrix factorization for digital image processing (w/G.W. Stewart), submitted for publication. Singular value decomposition and cryptography, submitted for publication. (with D. R. Morrison).

Fast Givens transformations for matrix eigenvalue problems, submitted for publication (with J. H. Wilkinson).

Ordinary Differential Equations with Numerical Methods and Applications (with Stanly Steinberg), textbook manuscript, in preparation.

MATLAB--An interactive matrix laboratory, report in preparation at Stanford Linear Accelerator Center.

Software for the symmetric matrix eigenvalue problem, report in preparation at National Resource for Computation in Chemistry (with D. Spangler).

C. W. Onneweer: Fractional Differentiation and Lipschitz spaces on local fields UNM TR 361 (Completed).
NSF research grant.

Pramod K. Pathak: A note on Basu's lemma (to appear in .
Studia Sci. Math. Hung.);
Integration of surveys (to appear in Scan. J. Statist.);
Infinite divisibility of bivariate gamma distributions:
Necessary and sufficient conditions for the asymptotic
normality of the sample mean in simple random sampling;
graduate text in sampling.

Steven Pruess: A spline method for the linear compartmental analysis problem", with R. C. Allen.
Estimation of the continuous spectrum, with Charles Fulton.

Clifford Qualls: Ph.D. Student Tony Huang finished Summer 1979 dissertation title--"Double Stochastic Integrals".
Ph.D. student Cliff Ball continuing research for dissertation.
Research on Stochastic Integrals jointly with Tony Huang is continuing.
Research on Economic Models jointly with William Beyer is continuing.

David A. Sanchez: Some additional aspects of ground water resources and replacement flows in semi-arid agricultural areas (with M. Gisser), Int. Jour. Control (to appear).
Computing periodic solutions of Riccati differential equations, Jour. Appl. Math. Comp. (to appear)

Stanly Steinberg: Joy of Differential Equations (working title). Textbook to be published by Prentice Hall.
Symmetry and moments, (with B. Wolf). In preparation.
Representations of Lie algebras of higher order operators on the solution spaces of the Klein-Gordon and Helmholtz Equation, (with B. Wolf). In preparation.
Symmetry methods in differential equations. Expository research article in preparation.

Alexander Stone: Research on partial differential equations problems arising from differential concomitants.

Ronald M. Schrader: Prin. Investigator on U.S. Army Research Office Grant "Small sample properties of robust analysis of variance," 2 years beginning May 1979; Robust analysis of variance based upon a likelihood ratio criterion--to appear in Biometrika; Robust analysis of variance based upon an L_1 criterion--submitted to Journal of the Amer. Stat. Assn.

W. J. Zimmer: A Genral Continuous Sampling Plan for Controlling the AOQ, with C.Y. Tai to be published in Quality Tech. Comparing Prior Distributions of Quality, in progress.

6. ACTIVITIES IN LEARNED AND PROFESSIONAL SOCIETIES.

Richard C. Allen, Jr.: Presented paper, Kinetic analysis of Insulin behavior by interactive simulation, at the 7th New England (Northeast) Bioengineering Conference, May 1979; Attended SIAM summer meeting, Toronto, Canada, June 1979; Attended conference on Regression and Spline Approximations, Boulder, CO, October 1979; Attended SIAM fall meeting, Denver, CO, November 1979.

A. Garasso: Invited speaker, "International Symposium on Ill-Posed Problems", University of Delaware, October 1979. Presented paper entitled "Inverse Problems in Dissipative Evolution Equations and Applications". Paper will be published in the Proceedings of the Conference, Z. Nashed, Editor.

Robert F. Cogburn: Referee for Annals of Probability.

Ralph E. DeMarr: Invited lectures at UC, Santa Barbara, and Calif. Inst. of Tech., Pasadena, on the subject of abstract matrix models.

Donald W. Dubois: Attended International Congress of Mathematicians, Kelsinki, Finland.

Gustave Efroymsen: Attended American Math Society meeting in Biloxi, Miss., gave paper on "Sums of Squares on Planar Nash Rings".

James Ellison: Participated in the "International Conference on Nonlinear Dynamics" held in New York City during the week of December 17-21.

Roger C. Engtringer: "Minimum Graphs with Complete k-Closure", a paper presented at the annual meeting at the American Mathematical Society, January 1979. "Uniquely Hamiltonian Graphs", a paper presented at the Mathematical Association of America regional meeting, El Paso, April 1979.

Archie G. Gibson: Invited lecturer at the Conference on Mathematical Methods and Applications of Scattering Theory in Washington, DC, May 21-25, 1979.
Invited participant in the Gordon Research Conference on Few Body Problems, August 13-17, 1979.

Richard J. Griego: Offices held: Member, Council of American Mathematical Society;
Member, Editorial Committee, AMS;
Chairman, Committee of Disadvantaged Groups in Math., AMS;
Executive Committee, National Council of Chicanos in Higher Education.
Meetings attended: Annual meeting of American Math Society, Biloxi, Miss.;
National Chicano Council on Higher Education meeting in San Francisco;
Meeting of Ford Foundation Task Force on problems of minorities of women and minorities in mathematics.

Abraham P. Hillman: Associate Director of the William Lowell Putnam Mathematical Competition.
Associate Editor of the American Mathematical Monthly.
Editor of the Elementary Problems Section of the Fibonacci Quarterly.

Lambert H. Koopmans: Assembled programs for the Western Regional Meeting--Inst. of Math. Stat. held at UCLA, June 1979, in my capacity as Assoc. IMS Program Chairman for Western Region.
Member, Visiting Lecturer Comm., Council of Statistical Societies.
Refereed several papers for Communications in Statistics and other journals.

Walter T. Kyner: Presented paper at a meeting of the American Mathematical Society, Washington, DC, 20 October 1979.

James V. Lewis: Attended meeting of Sigma Xi.

Catherine A. Macken: Attended Spring 1979 meetings of WNAAR, Biometric Society meetings, Los Angeles.

Richard C. Metzler: Papers reviewed for Zentralblatt.

Merle Mitchell: Invited talk at NCTM regional meeting, Shreveport, LA, March 23, 1979.
Invited talk at NCTM regional meeting, Albuquerque NM, October 6, 1979.

C. W. Onneweer: I attended the American Math Society meeting in Vancouver, BC, June 15-16 and presented a paper.

Pramod K. Pathak: Attended a meeting organized by the U.S. Bureau of Census, Dallas, Nov. 15-17.

Steven Pruess: "A spline method for the compartmental analysis problem", a paper presented at the state ACM meeting, Elephant Butte, September 1979.

Clifford Qualls: Refereed two papers in 1979 for professional journals.

David A. Sanchez: Chairman, NSF Mathematics Postdoctoral Fellowship Selection Panel, Dec. 1979.
Elected to Council of the Amer. Math. Society, Dec. 1979.
Panelist GPOF Fellowship Program, Nov. 1979.
Member, AMS Agenda Committee, AMS Opportunities in Math for Disadvantaged Committee.

Stanly Steinberg: MACSYMA Users Conference, June 1979, Washington, DC.
Ill posed problems conference, October 1979, Neward, DE.

Ronald M. Schrader: Participant in IMS special topics meeting on regression, Boulder, CO, October 1979.

7. OTHER PROFESSIONAL ACTIVITIES.

Richard C. Allen, Jr.: Visiting staff member, Los Alamos Scientific Laboratory;
consultant, Air Force Weapons Laboratory.

Laura Cameron: Spoke at a conference sponsored by Addison Wesley on the "Use of the Self-Paced Method in Reducing Math Anxiety"; Spring, 1979;
Gave a talk to a Psychology Class on "Math Anxiety and How it Relates to the Image of Women in Our Society", Oct. 1979.
Administered the math placement exam and gave a presentation on content and which pre-calculus courses are appropriate for various majors for the CEP and NAPCOE, Summer 1979.

A. Carasso: Visiting Staff Member, Los Alamos Scientific Labs.

James Ellison: Consultant to the ion-solid interactions group at Sandia Laboratories.

Roger C. Entringer: Reviewer for Mathematical Reviews and Zentralblatt für Mathematik.
Referee for Discrete Mathematics and Journal of Combinatorial Theory.

Archie G. Gibson: Invited participant in a workshop/seminar at Brown University, August 20-21, 1979.
Reviewer of papers for Mathematical Reviews.
UNM Speakers Bureau.

Richard J. Griego: Talks at Michigan State Univ.-- one on minorities and one on Math.
University of New Orleans--talk on minorities in science.
Talk to LULAC Job Fair.
Attended conference on stochastic processes--Univ. of Montana.
Attended State Dept. Conf. on Latin American Policy--Washington, DC

Liang-Shin Hahn: Gave Colloquium talk: "What is a Hyper-function?" Oct. 4, 1979 National Taiwan Univ., Taipei, Taiwan.

Abraham P. Hillman: Delivered a talk on "Measures of Clustering of Partitions" at M.I.T. on April 4, 1979.

Lambert H. Koopmans: Served on Provost's Survey Comm. to assess postsecondary educ. need in Bernalillo Cty.
Chairman Department course-load Committee.
Ph.D. student finished Fall 1979.
Member, Ph.D. committees for two students, one Anthropology and one Engineering (comp. work Fall 1979).
Member, Ph.D. committee for a student in Psychology.
Chairman, UNM Computer Use Committee.

Walter T. Kyner: Vice-president and Program Chairman, Albuquerque Chapter of ACM-SIGNUM.

James V. Lewis: Reviewed books: W. Sodler, "A Modeling Approach to Calculus", and Baum, Miller and Schutz, "Calculus".

Catherine A. Macken: Consult one day a week at the Inhalation Toxicology Research Institute, of the Lovelace-Biomedical Research Foundation. In conjunction with this I present monthly seminars on the practice and methods of statistics; consultant to Fed. Publ. Defender Twohig in developing statistics to illuminate potential biases in demographics of jury pools.

Merle Mitchell: Discussant on Panel, A & S-APS Symposium, UNM, October 11, 1979.
Talk presented to Math Club, Highland HS, Albuquerque, NM, Jan. 10, 1979.

Clifford Qualls: Consulted with Dr. John Neilson of UNM's CERF on the statistical analysis of runway roughness.

Ronald M. Schrader: Consultant to LASL on nuclear reactor reliability study.

W. J. Zimmer: In process of refereeing a paper for the Journal Technometrics.

8. NON-TEACHING UNIVERSITY SERVICE.

Richard C. Allen, Jr.: Co-director (w/R. Knief) of Ph.D. Dissertation - J. Morel;
Chairman, Department Graduate Committee;
member, A & S Graduate Committee;
member, one Dissertation Committee in Engineering;
member, Univ. Student Standards and Grievance Committee.

Laura Cameron: Coordinator of Math 120; Coordinator of Math 100;
Remedial Math Coordinator; Served on Mathematics Undergraduate Committee; Served as Chairperson for the Continuing Education Committee; Served on the Basic Skills Curricula Committee; Served on the Basic Skills Student Evaluation Committee.

A. Garasso: Member, Committee on Academic Policy and Curriculum, College of Arts and Sciences. Chairman, Committee for faculty position in Applied Mathematics, Mathematics Dept. Member, Ph.D. Committee, Bill De La Garza, Civil Engineering, Ph.D. Committee, Bill Boyer, Electrical Engineering Ph.D. Committee, Yahmin Lu, Chemical Engineering.

Robert F. Cogburn: Director of graduate studies for the statistics program.

Evangelos A. Coutsiyas: Service on "Graduate committee" of the Department of Mathematics & Statistics.

Ralph E. DeMarr: Chairman, Master's exam committee.
Chairman, Search committee for pure mathematics position.

Donald W. Dubois: Service on Math. Dept. Graduate Committee.
Committee on Laura Cameron's tenure.

Gustave Efroymson: Served on Faculty Senate Library Committee and various department committees.

James Ellison: Applied Math hiring committee; several Ph.D committees in mathematics, physics and engineering;
supervisor for Baca's practicum work at Sandia Laboratories;
committee on TA admission and selection.

Bernard Epstein: Various departmental assignments.

Archie G. Gibson: Ph.D, Dissertation Advisor, Travel Committee Salary Committee, Graduate Committee, Athletic Council.

Richard J. Griego: Selection committee for Physics Dept. Chairman. Committee to write a proposal for a Southwestern Hispanic Research Institute, this is a task force of the Provost. Native American Studies Advisory Comm.

Theodore Guinn: Member, Faculty Club Board of Directors member of two Ph.D. dissertation committees.

Liang-Shin Hahn: Graduate committee.

Lambert H. Koopmans: Continuing as principle contact for Statistical Consulting Service. Some projects originating in those contacts are dealt with in the Dept. Statistics Laboratory (548).

Walter T. Kyner: Math Department committees, e.g., examinations, search committees.

James V. Lewis: Faculty advisor. Math Dept. Undergraduate Committee.

Catherine A. Macken: Faculty advisor on Ph.D. committees for Mary Jane Pence (statistics) and Dennis Heinemann (biology).

Richard C. Metzler: Admissions and Registrations Committee. Director: Math Honors Program. Parents Day and Senior Day participant.

Merle Mitchell: Spring 1979-Member of Departmental Undergraduate Committee; member of University Committee on Basic Skills.

Fall 1979- Member of Departmental Undergraduate Comm.; member, GUNMF Allocations Comm. and A & S Promotions Comm.

Pramod K. Pathak: Coordinator, Practicum Committee; member, Graduate Committee; evaluation of Schrader's research.

Steven Pruess: Member, University Library Committee; Search Committee for Computing Center Director; Departmental Director, Graduate Studies.

Clifford Qualls: Administrative--Assistant Chairman then Acting Chairman.

David A. Sanchez: Member, UNM Faculty Senate; Member UNM Academic Freedom and Tenure Committee.

Stanly Steinberg: Dept. Computer Use committee chairman.

Ronald M. Schrader: General statistical consulting; support of Minitab statistical package; departmental Computer Use Committee.

Timothy B. Straney: Service on the Undergraduate Committee and Class Scheduling Committee.

W. J. Zimmer: Served as the external examiner of a thesis submitted by M. K. Mara to the Dept. of Math., University of Canterbury, Christ Church, New Zealand. Lectured in a graduate class by the Dept. Guidance & Counseling. Lectured to students in Physical Therapy Program at UNM. Appointed to Speakers Committee for UNM. Master's Exam examiner for Statistics.

9. PUBLIC SERVICE.

Archie G. Gibson: Indian Guides.

Richard M. Grassl: Head soccer coach for American Youth Soccer Organization, Team 618.

Richard J. Griego: Talk to the Tom Bell Recreation Center on Resource Center for Science & Engineering.
Talk to IMAGE de Santa Fe on Resource Center for Science & Engineering.

Abraham P. Hillman: Advisor on "Proportional Allotment" to the N. M. Secretary of State's Task force on the N.M. Presidential Primary Act.

Lambert H. Koopmans: Tour leader, New Mexico Wheelman Bicycl. Group.

James V. Lewis: Trustee, NM Conservation Coordinating Council; Director, NM Citizens for Clean Air and Water; Member, Albuquerque Open Space Task Force; Member, Albuquerque Bikeway Committee.

Catherine A. Macken: Treasurer for Albuquerque ECKANKAR Center (non-profit religious organization).

Richard C. Metzler: Teacher for Albuquerque Childbirth Education Association. Group leader for Parentcraft (new parent education program).

Clifford Qualls: Secretary and Board Member - First Family Church.

David A. Sanchez: Vice President, Albuquerque Shetland Sheepdog Club. Secretary, Rio Grande Chapter of Trout Unlimited.

10. PERSONAL INFORMATION.

Roger C. Entringer: Son, Carl, killed 12 October 1979.

Catherine A. Macken: Obtained permanent resident status.

July 1, 1979 - June 30, 1980

Sabine R. Ulibarri, Chairman

I. General Information

A. Significant Achievements.

1. Departmental Organization: Chairman: Sabine Ulibarri; Assistant Chairman: George Peters. Language section coordinators: John Bergen (Spanish), Claude-Marie Senninger (French), George Peters (German), Byron Lindsey (Russian), Jack Tomlins (Portuguese), Warren Smith (Classics), Alice Neundorf (Navajo), Pearl Wu (Chinese).

Administrative appointments outside the Department: Garland Bills (Chairman, Linguistics), Julian White (Associate Dean, College of Arts and Sciences), Peter Pabisch (Chairman, Comparative Literature Program).

2. New and Continuing Programs.

- a. Spanish Section. Professor Erlinda Gonzales-Berry has developed a new accelerated Chicano language and culture track, patterned after the highly successful intensive Spanish and French tracks. This special sequence of courses will be offered for the first time in the Fall semester, 1980.

- b. French Section. Professor Alice Omaggio has undertaken an extensive revision of the lower division French program, including the introduction of several new courses and a special class on methodology for the French TA's. Classes in translation were introduced at the upper division level; courses in film and commercial French are planned for next year. The French Summer School in Taos has its third

session in 1980; the program has expanded its course offerings and has attracted many high school teachers into the MA program.

- c. German Section. Revision of the lower division language program continues, based on the program Using German, published in January 1980 by Professors Jespersen and Peters. A new course, Introduction to Germany, will be offered for beginning and intermediate language students next year.

The German Summer School in Taos has its fifth session in 1980, with an increased number of students (50 in 1979, 70 in 1980). The first candidates for the MA in German Studies will enroll in 1980.

In May 1980, representatives from the Goethe Institutes in New York and Houston administered the comprehensive language examination Zertifikat Deutsch als Fremdsprache to approximately 30 UNM German students on campus. The results were very successful and prompted a letter of congratulations from the Goethe Institute to the German faculty at UNM for its excellent language program.

- d. Portuguese Section. This year a new doctoral seminar was added to the curriculum: "The Poetry of the Orpheu Generation, " taught by Professor Tomlins. Professor Tolman also taught a new seminar, "Brazilian Social Prose in the Twentieth Century," in Ibero-American Studies (cross-listed) and projects two new doctoral seminars for the forthcoming year: "Brazilian Vanguardist Prose (post-1945) and Brazilian Vanguardist Poetry (post-1945).

Pedro Carlos da Fonsêca joined the T.A. staff (as Ph.D. candidate),

coming to New Mexico via the University of Sao Paulo and Vanderbilt University. He will continue to teach in the beginning language courses next year. This addition of a native Brazilian speaker to the staff will hopefully attract students and holds out the promise of attracting a new graduate student who is a native Portuguese.

Professor Luis Felipe Lidley Cintra, Portugal's leading linguistics scholar, will join the teaching staff of the summer Linguistics Institute (directed by Professor Garland Bills) and will offer a course in Luso-Brazilian dialectology. He will also participate in the Colloquium on Hispanic Studies. Professor Cintra will be in residence under the auspices of the Gulbenkian Foundation and the Institute of Portuguese Culture, both of these cultural entities located in Lisbon, Portugal.

The Zimmerman General Library has recently made two new acquisitions of considerable importance:

- 1) The Anglo-Portuguese News. The complete run recently acquired through the Library of Congress, on microfilm. Extremely important for the generalist as well as for the scholar with specialization in social history, literature, the arts, and Portuguese culture in general. Covers the entire period of the Salazar régime.
- 2) Almanach de Lembranças Luso-Brasileiras. 88 volumes in original boards. Extremely important for same reasons as No.1 above.

- 3) In recent past a complete collection of Portuguese literature of the nineteenth century was acquired from private dealers in Canada. Covers entire field of Portuguese letters in the nineteenth century, with specialization in the novel. 394
- 4) Also of recent acquisition is a copy of the literary journal, avant-garde (1917), of Portugal Futurista. Only one number was ever published, containing contributions by the writers who were to become the foundations of the new literature in twentieth-century Portugal. Immediately confiscated by the police of the Portuguese republic who claimed that the publication was immoral.
- 4) No. 4 above complements the recent acquisition of the two-volume run of Orpheu (I and II), 1915. Both numbers 4 and 5 above are extremely rare, making the University of New Mexico one of the few North American libraries to hold these titles.
- e. Russian Section. The Russian Section changed to a four-day per week 101-102 schedule with considerable success. Not only did this permit covering more material in Elementary Russian, but more faculty and students feel that the more frequent exposure to the language improves the quality of skills in this crucial first-year stage. By enrolling in the supplemental 103-104, students can have 5 hours per week of class-room work in the language. Some students have requested that 201-202 also be increased to a 4-day schedule.
- f. Classics Section. The Classics program continued to offer a

full schedule of classes leading to a major and continued its plan, which started last year, of offering Greek 101 as well as Latin 101, in the Spring as well as in the Fall semester. Because of the new Religious Studies program, an increasing number of Greek students are interested in New Testament, and we will begin this fall offering two sections of advanced Greek--one each for Classical and New Testament.

3. Cultural, Professional and Social Activities.

a. Spanish Section.

- i) Under the directorship of Jon Tolman and Tony Mares, the Spanish Poetry Reading Series ("El poeta y el pueblo"), involving numerous staff members, continued throughout the year. A video-tape of one reading was made, for broadcast on the Public Television network.
- ii) Several members of the Spanish faculty read papers at national and regional conventions. See Section II of this report.

b. French Section.

- i) French for Children, in its 15th year, has successfully continued under the directorship of Anita Sandoval and the supervision of Prof. Omaggio.
- ii) Collaboration with the French government, including the exchange of TA's, French teachers from France for the Summer School, and the Alliance Française contest, continued this year.
- iii) The Glorieta French Weekend was again held in April, under the supervision of Truett Book; close relationships with French high school teachers in New Mexico were maintained.

- iv) Prof. Book continued to coordinate the successful awards program approved by the French Section, with prizes going to high school students, university students, winners of the national AATF contest, and teachers in the recently created school of the Alliance Française.
- v) George Lubin, a well known specialist on George Sand, visited the campus and delivered two well attended lectures for students and faculty.

c. German Section.

- i) The German Summer School in Taos had its successful fourth session in 1979. Distinguished visiting faculty included Prof. Alexander von Bormann (University of Amsterdam) and the well known Austrian painter, Georg Eisler.
- ii) The following guests visited the campus during the year and delivered lectures to students and faculty: Peter Moser, Austrian Consul General, Los Angeles; Ursula Meyer, Goethe House, N.Y.; Richard Thoma, Goethe Institute, Houston; Hans Haid, International Dialect Institute, Vienna; Alexander von Bormann, University of Amsterdam.
- iii) The eighth annual German Weekend for high school and university students of German was held in Glorieta in April, 1980.
- iv) German for children classes continued under the excellent directorship of Mrs. Joan Winter.

d. Portuguese Section.

- i) The Latin American Institute sponsored three national "Weeks" during the year, opening with Brazil Week 1979. Brazilian films, lectures and panels highlighted the Week's activities;

the Departmental contribution included a lecture, "The Status of Contemporary Brazilian Literature," by Professor Almir de Campos Bruneti of Tulane University.

- ii) Two famous Brazilian musicians delivered a concert in March, devoted both to Brazilian folk songs and to popular music of the present.
- iii) Senhor Ignácio Loyola Brandão, Brazilian journalist and writer, visited the campus in April and lectured informally on literature and politics in contemporary Brazil.
- iv) Professors Tomlins and Tolman attended the annual convention of the Modern Language Association in San Francisco in December. Professor Tolman is actively involved in the Luso-Brazilian section of this organization and is also Luso-Brazilian bibliographer, as well as Luso-Brazilian bibliographer for the Modern Language Journal.
- v) Professor Tomlins read a paper, "Cecília Meireles" 'O Cavalo Morto': Exemplar" at the First Louisiana Conference on Hispanic Languages and Literatures, Louisiana State University, in February, 1980 and lectured at Tulane University in March: "Mário de Andrade's Fräuléin: Modernist and Modern." He will read a paper in the Portuguese Language and Linguistics section at the annual convention of the American Association of Teachers of Spanish and Portuguese, San Juan, Puerto Rico, in mid-August, 1980: "Simultaneism in Early Luso-Brazilian Modernism: Movie Montage and Poetic Language," and in late August he will read a paper at the University of Florida's colloquium, "Camões and His Times," entitled: Gil Vicente's Vision of

India and its Ironic Echo in Camões' Velho do Restelo."

e. General.

- i) Along with the English Department, the Modern and Classical Languages Department hosted the 1979 Annual Meeting of the Rocky Mountain Modern Language Association, held in the Albuquerque Convention Center, October 18-20, 1979. Prof. Peters was local arrangements chairman.
- ii) The annual Department party was held at the home of Prof. Ulibarri on May 17, 1980.

f. Comparative Literature.

Professor Peter Pabisch successfully chaired the Comparative Literature Program during the academic year 1979-1980.

B. Significant Plans and Recommendations for the Near Future.

1. The Spanish Section will host an international Perez de Ayala Symposium in October, 1980.
2. The first inter-language literature course will be offered in Spring 1981: Three Golden Ages of Western Theatre.
3. In the Fall Semester, 1980 Byron Lindsey and Natasha Kolchevska will team-teach two courses--Russian Civilization in English, a survey of the major cultural monuments from folk stories and customs to the present political difficulties which characterize Russian life--a course for Russian Studies students on all levels as well as for students interested in Russia but without prior exposure to the literature or language, and Russian Today--a 3-4th year language course emphasizing contemporary Russian. The team-taught courses are designed to make maximum use of areas of specialization of the Russian faculty as well as to offer variety and stimulus to the curriculum.

4. Byron Lindsey was elected to the board of directors of the American Council of Teachers of Russian and appointed by the president of the organization Academic Coordinator for the ACTR Pushkin Institute program in Moscow. It is hoped that this will encourage advanced UNM Russian students to do a semester of study at the Pushkin Institute.
5. The Department has initiated a feasibility study to determine the advisability of purchasing a TERA computer to assist instruction in Greek, Latin, German, Spanish, Dutch, and Arabic.
6. The French Section is establishing close relations with the government of Quebec and plans a program in Quebec studies, an exchange program for students, and a Quebec festival in the Fall of 1980.

C. Appointments to Staff.

1. Prof. June Carter was appointed as an Assistant Professor of Spanish, effective Fall, 1980.
2. Prof. Antonio Planells was appointed as a guest Professor for one year, effective Fall, 1980

D. Separations from Staff.

1. Prof. Alice Omaggio resigned her position as of the end of the academic year 1979-1980.

II. Composite of information requested on individual biographical supplements.

1. Advanced Study.

- a. June C. D. Carter. Master of Arts in Romance Languages and Literature from the University of Washington, August 1970.
Doctor of Philosophy in Romance Languages and Literature, University of Washington, March 1976. Dissertation title: "Archetypal Symbols and Structure in the Work of Carlos Fuentes".

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

- a. Pelayo H. Fernandez. Trip to Spain (Summer), México, (both for research purposes).
- b. Dick C. Gerdes. Leave of absence to conduct research in Perú (1979-1980): Research project: Fulbright Hays Overseas Research Grant, \$17,120.00; Title: "The Contemporary Peruvian Novel," 12 months (August, 1979-August, 1980), in Perú.
- c. Bruno Hannemann. Sabbatical for research and study in Stuttgart/Tubingen, Germany, from Jan. 1, 1979-June 21, 1979.
- d. Natasha Kolchevska. Summer, 1979--Research at University of California, Berkeley.
- e. Enrique E. Lamadrid. Sixteen days of travel in the Yucatán peninsula visiting maya ruins and Cancún, Cozumel, Isla de Mujeres, and Mérida.
- f. Byron T. Lindsey. Sabbatical, academic year, 1978-79: Resident Director, American Council of Teachers of Russian, Pushkin Institute, Moscow, USSR: research, Moscow and Paris, June-August; delegate, International Association of Teachers of Russian Language and Literature, Berlin, August 13-18.

- g. Raymond R. MacCurdy. Trip to the Holy Land; twenty-one day trip to Kenya and Tanzania.
 - h. Patricia Murphy. Sabbatical leave Fall Semester 1979. Lived in France, June through mid-November.
 - i. Marshall Nason. Administrative travel: Costa Rica; summer travel Mexico. Study tour: Cuba.
 - j. George F. Peters. Goethe Institute Seminar for American German Teachers, Berlin, December 2-23.
 - k. Alfred Rodríguez. Spain Summer of 1979.
 - l. Claude-Marie Senninger. Teaching in the French Summer School of New Mexico.
 - m. Sabine R. Ulibarri. Sabbatical, Semester I 1979-80. Taught literature course in Española.
3. New scholastic honors, fellowships, etc.
- a. Dick C. Gerdes. Scholarship, The School of Criticism and Theory, Irvine, California (Summer, 1979); Organization of American States Research Grant, 1979; Fulbright-Hays Faculty Research Grant, 1979-80.
 - b. Alice C. Omaggio. For outstanding journal article in foreign language pedagogy of the year, recipient of Stephen A. Freeman Award, Northeast Conference on the Teaching of Foreign Languages, April, 1979.
4. Publications.
- a. John J. Bergen. Review of Kloe, Donald R., A Dictionary of onomatopoeic Sounds, Tones and Noises in English and Spanish. Including those of animals, man, nature, machinery and musical instruments, together with some that are not imitative or echoic in Hispania, 1979 Vol. 62, pp. 414-415.
 - b. Garland D. Bills. "Review of A Critical Survey of Sociolinguistics by Norbert Dittmar", Language, Vol. 55, pp. 454-456, 1979.

- c. June C. D. Carter. "Aura: Una tragedia psicológica y sociológica"--to be published in Actas II: Carlos Fuentes, Fall 1979.
"Parricide: A significant Archetype in Machado and Valle-Inclán"--co-author Alfredo Rodríguez--to be published in Romanic Review.
"El otro in Fuentes' La muerte de Artemio Cruz," forthcoming in Prismal Cabral. Review of José Agustín's Literature and Censorship in Latin America Today: Dream Within a Dream, forthcoming in Rocky Mountain Review, Vol. 33, No. 4. Review of Richard L. Jackson's Black Writers in Latin America submitted to Hispania.
- d. Pelayo H. Fernández. Book: Estilística. Fourth revised-enlarged edition. Madrid, Porrúa Turanzas, 1979, 136 pages.
- e. Dick C. Gerdes. "Una misma cultura, dos distintas literaturas: La mexicana y la chicana," Grito del sol, 3, 4 (Oct.-Dec., 1978), 91-115; review of Peru: The New Poetry, by David Tipton, in Review, 24 (1979), 103-05.
- f. Erlinda Gonzales-Berry. Caras viejas y vino nuevo: Journey Through a Disintegrating Barrio." The Latin American Literary Review, 7, No. 14 (1979). pp. 62-72. "From Shame to Language Maintenance: Some Suggestions for a Beginning SNS Class." System, 7 (1979), 201-204.
- g. Bruno Hannemann. Articles: "Vernunft auf Irrfahrt. Bernhards Immanuel Kant," accepted for publication by Maske U. Kothurn, no date for publication yet. "Der Komödiant und der Tod," submitted for publication to Zeitschrift für dt. Philologie. No answer yet.
- h. Tamara Holzapfel. "Leñero: El teatro como institución moral," Texto Crítico, X (Summer 1978), 23-31.
- i. Natasha Kolchevska. The Puppetry Library: an annotated bibliography of the Batchelder-McPharlan collection at UNM (Westport, Conn: Greenwood Press, 1980)--annotations and commentary for Russian section, approximately 12 pages.

- j. Byron T. Lindsey. MSS in preparation: "Young Moscow: Contemporary Art" (book): "Readings in Contemporary Russian Literature" (textbook)
- k. Raymond R. MacCurdy. "A Critical Review of El médico de su honra As Tragedy," Bulletin of the Comediantes, 31 (1979), 1-14. "Women and Sexual Love in the Plays of Rojas Zorrilla: Tradition and Innovation," Hispania, 62 (1979), 255-265. (3) With Al Rodríguez "Algo más sobre los apellidos 'verdaderos' de Don Quijote,"
- l. Marshall R. Nason. "En la Mitad del Mundo": El Centro Andino. Revista de Estudios Hispánicos, Winter, 1979.
- m. Alice C. Omaggio. Games and Simulations in the FL Classroom, Center for App. Ling, 1979; Pictures and Second-Language Comprehension: Do They Help? Foreign Language Annals, vol. 12 (ii) 1979; "Applied Linguistics: Successful Language Learners: What Do We Know About Them", Monograph published by English Teaching Division, International Communication Agency, Washington, D.C., 1979; "Pictures and Reading Comprehension," Chap. 10 in David Benseler, ed., Central States Conference Reports, National Textbook, 1979.
- n. Peter K. Pabisch. Hans Carl Artmann's adaptation of Ramón Gómez de la Serna's 'greguería', in: World Literature Today, Spring 1979, 231-234, 16 typewritten pgs. (Co-author: Alfred Rodríguez). Zur Poetik H.C. Artmann's, Modern Austrian Literature, 12, 2, 1979, 151-159. Hilde Spiel--Femme de Lettres (mit Werkübersicht), MODERN AUSTRIAN LITERATURE 12, 3-4, 1979, 392-421.
- o. George F. Peters. Review of Gertrude Waseem: Das Kontrollierte Herz, Monatshefte, Vol. 71, No. 2 (Summer '79), pp. 217-219.
- p. Alfred Rodríguez. Estudios sobre la novela de Galdós (Madrid, Porrúa Turanzas, S.A., 1978), 157 pages. "Alexandre en Fray Luis de León," Peñalabra, 28-29 (1978), 32. "Ante el chimpancé de Lugones," in

- Actas del XVII Congreso del Instituto Internacional de Literatura Iberoamericana (Madrid, 1978), pp. 997-1002. (with C. Cvitanovic).
- "Algo más sobre los apellidos verdaderos de D. Quijote," *Romanische Forschungen*, 90 (1978), 448-457. (with R.R. MacCurdy). "H.C. Artmann and R. Gómez de la Serna: The Greguería," *World Literature Today*, 53 (1979), 231-234. (with P. Pabisch). "La posible fuente de un título de Rubén Darío," *Romance Notes*, 20 (1979), 1-4. (with W. H. Roberts).
- "Spanish and Spanish American Literature," *Encyclopedia Americana Annual* (1979), p. 314. "The Stylistic Use of French Sexual Expressions in Pardo Bazan's *Los pazos de Ulloa*," in *Perspectivas de la novela* (Valencia, Albatros, 1979), pp. 55-58. (with J. Guttman).
- q. Jon Tolman. "Jorge de Lima: Poeta Antropogágico?" *Prismal/Cabral* 3/4 (spring, 1979): 120-134. "Joao Ubaldo Ribeiro's *Sargento Getúlio*, New Scholar (spring, 1979). (Review Article). "Luso Brazilian Bibliography," *MLA Bibliography* 1978, Vol. II, pp. 144-152.
- r. Julian E. White. "Spanish -ga Present Indicatives, -ga Present Subjunctives, Old French -ge Present Subjunctives and the Consonification of yod in 'loose-linking' Phenomenon," accepted for publication in *Zeitschrift für das Studium der Romanische Philologie*.
5. Other research projects or creative work in progress or completed during period.
- a. John J. Bergen. "The Semantics of Gender Contrasts in Spanish," *Hispania*, 1980, Vol. 63.
- b. June C. D. Carter. Submitted a proposal for a post-doctoral grant from three foundations: Education Foundation Program of AAUW; National Research Council; Latin American Institute-UNM. The title of the proposal is "The Portrayal of the Black Woman in Afro-Latin American Literature."

- c. Pelayo H. Fernández. Working on two papers to commemorate Ramón Pérez de Ayala's centennial. One to be presented at UNM's International Symposium (Fall of 1980); Another at University of Oviedo, Spain.
- d. Dick C. Gerdes. Research project: Fulbright-Hays Faculty Overseas Research Grant, \$17,120.00; Title: "The Contemporary Peruvian Novel," 12 months (August, 1979-August, 1980), in Peru.
- e. Sam L. Guyler. HOE-OE Grant No. G007803659: "Bilingual Traineeship Collaborative" Spanish Curriculum Development, \$43,558.00. The project involves developing an advanced Spanish grammar text (in progress), developing and pilot testing a Spanish language proficiency exam for bilingual teachers (completed), conducting a summer institute for bilingual teachers in 1980.
- f. Bruno Hannemann. Article: "Adam and seine Rippe. Zu Max Frischs Mann-Frau-Verhältnis." Nearly finished. Will be submitted to Monatshefte.
- g. Robert Holzapfel. Work in progress on a book on the play Der Besuch der alten Dame by F. Dürrenmatt.
- h. Enrique E. Lamadrid. Currently working on the second edition of my book Communicating in Spanish which will be published in 1982. Chief author and 4 collaborators working on the second edition project; 3 from U of Texas at Austin and the other from UT Arlington.
- i. Patricia Murphy.
Paper: "Continuity and Change in the Journal des Deames" accepted for the SCSECS. Book review accepted for French Review. In progress: paper on the professional status of women writers in 18th century France. Research completed for Part One of book on the theory and practice of biography in 18th century France.

- j. Marshall R. Nason. Latin American Language and Area Center grant, 1st year of 2 year cycle: \$60,000, New Mexico Humanities Council TV Series on Undocumented Worker, \$48,144, Title VI Fellowship grants for area studies: \$15,172.
- k. Alice Neundorf. Navajo science terminology development for elementary students for Native American Materials Development Center.
- l. Alice Omaggio. College French text, to appear in January 1981, published by Random House. "Responding to Learner Needs," monograph to be published in 1980 by the Center for Applied Linguistics, Arlington, VA.
- m. Peter K. Pabisch. GUEST EDITOR OF DIMENSION (University of Texas at Austin) -- compilation of an issue of German Dialect poetry -- with translations into standard German and English (most of the latter were done by guest translators) -- with an introductory essay on the present dialect scene in five international German speaking areas. Responsible for the entire issue which will appear in May 1980 as: DIMENSION, XII, 3, 1979. 250 typewritten pages.
- n. George F. Peters. USING GERMAN' First year German text (co-author: Robert Jespersen) Publication Jan. 15, 1980, Harper and Row/ Workbook and Tape Script to accompany USING GERMAN "Heine and the Myth of Passion," to appear in FESTSCHRIFT for Edgar Lohner, Erich Schmidt Verlag, Berlin (publication date unknown). Various book reviews to be published in 1980.
- o. Alfred Rodríguez. "Aproximación a GRADO ELEMENTAL de Angel González" (with M. Miller and accepted for publication by Archivum). "El amor y la muerte en Los ojos verdes de Bécquer" (with S. Mangini González and accepted for publication by Hispanófila.). "An Aesthetic Use of the Grotesque in E. Pardo Bazán's Los pazos de Ulloa" (with J. Lefkoff and accepted by Revista de Estudios).

- "Las dos locuras de D. Quijote" (with R.R. MacCurdy and accepted for publication by Anales Cervantinos). "Una posible fuente de Antonio Machado" (with T. Holzapfel and accepted for publication by Journal of XX Century Spanish Literature). "Un título y una protagonista de Galdós" (accepted by Anales Galdosianos). "Bernarda Alba, Creation as Defiance" (accepted by Romance Notes). Review: A. Serrano-Plaja, ¿Es la religión el opio del pueblo? (accepted by Modern Language Journal). "Spanish and Spanish American Literature" (accepted by Encyclopedia Americana Annual). "En torno a la nominación del hidalgo cervantino" (with T. Ruiz-Fábrega and accepted for reading-publication at The First Louisiana Conference on Hispanic Langs. and Literatures).
- p. Claude-Marie Senninger. Still in press a critical bibliography, A. de Noailles, Lucie Delarue-Mardrus, Francis Ponge, Introduction to the Balzac of Theophile Gautier, Nizet, in press.
- q. Warren S. Smith Jr. Paper, "Husband vs. Wife in Juvenal's Sixth Satire," will appear soon in the The Classical World. In June 1 attended an editorial conference in Washington D.C. to complete preparations for publication of Vol. 1, "Erasmus on Romans and Galatians".
- r. Jon M. Tolman. Research on a special issue of The Literary Review, in progress: The contemporary Brazilian short story. Completed translation of a collection of 10 Brazilian short stories by Edilberto Coutinho, Ten Brazilian Tales.
- s. Sabine R. Ulibarrí. Book, short stories, Pupurupú, coming out in January, 1980. Finished text on book of essays, The Voice of Juan Hispano. Working on book of short stories.

- t. Julian E. White Jr. Book on Comparative Romance Historical Linguistics (Phonology and Morphology in chart form). Study of "-u-" Preterites in Romance. Study of consonification of wau.
- 6. Activities in learned and professional societies.
 - a. John J. Bergen. New Mexico State Director, Sigma Delta Pi, National Hispanic Society.
 - b. Garland D. Bills. Professional papers read: "The Study of the Spanish Language in the United States" (keynote address), 6th Colloquium on Hispanic Linguistics, New York, July 1979; "Language Shift in Martineztown: Educational Aspects" (with Alan Hudson-Edwards), annual meeting of the Linguistic Association of the Southwest, New Orleans, October 1979. Panel member and session chair, Southwest Areal Language and Linguistics Workshop, Phoenix, April 1979. Discussant, Symposium on Andean Linguistics, 43rd International Congress of Americanists, August, 1979. Presented official report on 1980 Linguistic Institute at annual meeting of Linguistic Society of America, Los Angeles, December 1979.
 - c. June C.D. Carter. "Aura: A Psychological and Sociological Pathos"- paper read at the Carlos Fuentes Symposium in April 1978 at the University of South Carolina; "La imagen femenina o el amor en Sombra del paraíso"- read at Homenaje a Vicente Aleixandre, December 1977 at UNM; "La muerte de Artemio Cruz: The Birth of SELF"- read at the Southwestern Council of Latin American Studies' Convention in San Antonio, Texas, April 1979. Attended the Rocky Mountain Language Association's Annual Convention, October 1979, Albuquerque, New Mexico.
 - d. Pelayo H. Fernández. Member of AATSP.
 - e. Dick Gerdes. Coordinator, 6 sessions on Latin American Literature,

- Annual Meeting of Southwestern Council of Latin American Studies, 1979; Read paper, "La obra narrativa de Gregorio Martínez," Kentucky Foreign Language Conference, Lexington, Kentucky (April, 1979).
- f. Erlinda Gonzáles-Berry. Paper: "Mythic Motifs in Peregrinos de Aztlán." RMMLA, Albuquerque, NM Oct. 1979. Panel: "Teaching Spanish to Native Speakers: A Report to the Profession." MLA, San Francisco, Dec. 1979.
- g. Bruno Hannemann. Meetings attended: RMMLA annual meeting, Albuquerque Convention Center, 27-29 Oct. '79. AATG annual meeting at Univ. of New Mexico 3. Nov. '79. MLA annual meeting in San Francisco, 27-30 Dec. '79.
- h. Robert Holzapfel. Attended the RMMLA meeting, and the AATG regional meeting. Gave a seminar on Hesse at the 'German Weekend' at Glorieta. Visited the German Summer School at Taos for a week.
- i. Tamara Holzapfel. Read a paper, "Evolutionary Tendencies in Spanish American Absurdist Theatre" at the Latin American Theatre Symposium, Miami, Fla. April 1979.
- j. Natasha Kolchevska. Representative of NM-El Paso chapter president at American Association of Teachers of Slavic and East European Languages, San Francisco, Dec., 1979.
- k. Enrique E. Lamadrid. Attended the RMMLA on Oct. 18-20.
- l. Byron Lindsey. Discussant, "Teaching Russian Syntax," International Association of Teachers of Russ. Lang. and Lit. Congress, Berlin, August 15; Seminar: Contemporary Russian Culture, Pushkin Institute, spring semester; President New Mexico-El Paso Chapter, American Assoc. of Teachers of Slavic and E.E.
- m. Raymond R. MacCurdy. Member, Executive Council of the Renaissance

Society of America, Member, Editorial Board of the Bulletin of the Comediantes (acted as reader-consultant).

- n. Patricia Murphy. Paper read at the annual meeting of the American Society for 18th cent. studies, "The Abbé Prévosts Theory and Practice of Biography" April 1979. Atlanta, Georgia.
- o. Marshall R. Nason. Meeting of Latin American Center Directors, Racine, Wisconsin, Feb. 2-3, 1979. Latin American Studies Association, Pittsburgh, April 5-7, 1979.
- p. Alice Neundorf. Workshop in Navajo Linguistics at Navajo Community College, Tsaile, Ariz., Workshop presenter for two days. One day presentation of Navajo terminology for Math, in the elementary school, in the UNM College of Foundation.
- q. Alice Omaggio. American Council on the Teaching of Foreign Languages- Annual meeting, November 1979; served as Chairperson, Pimsleur Award Committee, 1979; presented workshop entitled "Games and Simulations in the Foreign Language Classroom"; attended Central States Conference, Minneapolis, April 1979-presented two papers; attended Spring Methodology Conference, Indiana University of Pennsylvania, April 1979- presented paper.
- r. Peter K. Pabisch. Meetings, RMMLA Conference in Oct. 1979, Albuquerque, New Mexico, American Association of Teachers of German Annual Conference in Nov. 1979 -- Atlanta, GA
- s. George F. Peters. President, RMMLA, Local Arrangements Chair, RMMLA Convention, Albuquerque, NM Oct. 19-21.
- t. Jon M. Tolman. Modern Language Association: Section Chief of Luso-Brazilian Bibliography of MLA Bibliography. RMMLA regional meeting in Albuq., Oct. 1979. MLA annual convention, San Francisco, Dec. Luso Brazilian review editor for Modern Language Journal.

- u. Sabine R. Ulibarrí. Member of Academia Norteamericana de la lengua Española.

7. Other professional activities.

- a. John J. Bergen. Consultant for Department of Hispanic Languages and Literatures, University of Pittsburgh, Pennsylvania (in the tenure and promotion decisions of Professor Bruce G. Stiehm). Consultant for the UNM College Enrichment Program- summer 1979.
- b. Garland D. Bills. Member, Linguistic Society of America's Committee on Linguistic Institutes and Fellowships, with meeting in Washington, D.C., March 1979. Member, Executive Committee of Linguistic Association of the Southwest. Evaluator of proposals submitted to National Science Foundation and Rockefeller Foundation.
- c. Pelayo H. Fernández. Lecture on "Humanistic Education" (University of Albuquerque, Sigma Delta Pi Chapter) 11-30-79.
- d. Dick Gerdes. Interviewed: "Investigador Americano Hará Análisis de Narrativa Peruana, " La Prensa, Lima, Peru, November 5, 1979. p. 9; Off-campus talks: "La poesía norteamericana, 1968-1978," Instituto Cultural Peruano Norteamericano, Lima Peru, November 7, 1979, "La poesía norteamericana, 1968-1978." Instituto Cultural Peruano Norteamericano; Trujillo, Peru, December 5, 1979; "La poesía norteamericana, 1968-1978, "Instituto Cultural Peruano Norteamericano, Chiclayo, Peru, December 7, 1979; "La literatura chicana," Instituto Cultural Peruano Norteamericano, Chiclayo, Peru, December 7, 1979. All talks and trips were sponsored by the US Embassy. Co-director, Spanish Poetry Reading Stories, conducted around the state of New Mexico, funded by the New Mexico Humanities Council, 1978-1979.
- e. Erlinda Gonzáles-Berry. Seminar: "Hispanics in the United States:

Cultural Maintenance or Assimilation?" U.S. Federal Parks and Recreation Personnel, Harper's Ferry, W.V., Feb., 1979.

- f. Sam L. Guyler. Chairman of NM State Committee to establish a Spanish language proficiency exam for bilingual teachers. Our exam was adopted on a statewide basis at our Dec. meeting. This spring I will make arrangements to administer it on a statewide basis.
- g. Enrique E. Lamadrid. Reader/evaluator of articles on applied linguistics and second language pedagogy submitted for publication in the Modern Language Journal. Consultant for Lower Division Spanish courses at the University of North Carolina, Chapel Hill.
- h. Byron Lindsey. Lecture, Bryn Mawr College, "Brezhnev's Russia," September 3; elected Academic Coordinator, American Council of Teachers of Russian; Secretary, Slavic Linguistics , Rocky Mountain MLA.
- i. Marshall R. Nason. Co-director, Joint Conference of New Mexico Consortium for Latin American Studies, Las Cruces, April 27-28; Talk to 21 Club: "A visitor's view of Cuba": UNM Representative Consortium of Latin American Studies Programs, Pittsburgh, Pa., April 5-7.
- j. Alice Neundorff. Produced and hosted Navajo Educational Television Programs for the Native Americans and the Navajo Tribe on KNME-TV, Channel 5, One day presentation of Navajo Children's literature in English Dept.'s Writer's Workshop.
- k. Peter K. Pabisch. Exhibit in JUGENDSTIL, ART NOUVEAU' MODERN STYLE -- Organized together with the Goethe House New York and the Albuquerque Public Library - June 1979. Co-director of the 4th German Summer School at Taos Ski Valley, June, July 1979.

1. George F. Peters. Co-Director, German Summer School of New Mexico. Talks at Highland High School, German Weekend at Glorieta, Theater Arts Department.
- m. Claude-Marie Senninger. Creator and co-director of The French Summer School of New Mexico in Taos. Theater directions: Le Menteur by Corneille et Le Mensonge by Nathalie Sarraute, Experimental theatre, April 1978. Director Symposium New Mexico in Literature, Literature in New Mexico, participants Jean-Marie Le Clézio, Nathalie Sarraute, Rudolfo Anaya, Sabine Ulibarri, April 1978.
- n. Jon M. Tolman. Director of "El Poeta y el Pueblo," a program of poetry readings and guitar music, sponsored by the Society for the Preservation of the Hispanic Heritage and the New Mexico Humanities Council, touring the state. Produced, summer 1979, a 33 1/3 rpm long-play album of Hispanic poetry and guitar music entitled El Poeta y el Pueblo: Poesía Hispánica, grant from NMHC.
- o. Sabine R. Ulibarri. Lectures in Washington, D.C. and Ft. Worth, Texas. Albuquerque, Santa Fe. Research in Spain (June-August). Recited poetry in Santa Fe, Taos, Gallup, Silver City, Socorro.
- p. Julian E. White Jr. Organizer of APS/A and S Workshop (October 10, 1979); UNM/Albuquerque Schools Liaison Committee (1979-80); UNM/APS Human Research Review Committee (1979-80); Chairman, Arts and Sciences Graduate Committee (1979-80); Chairman, Senate Graduate Committee (1979-80); Senate Executive Committee (1979-80); Chairman, Arts and Sciences TA/GA Assignment Review Committee.
8. Non-teaching University service.
 - a. John J. Bergen. Acting Chairperson of the Dept. of Modern and Classical Languages, summer 1979; Acting Assistant Chairperson of the

Department of Modern and Classical Languages, Fall 1979; Associate Chairperson of Spanish; and Faculty advisor for the departmental graduate student association.

- b. Garland D. Bills. Chair, Department of Linguistics. Director, 1980 Linguistic/TESOL Institutes. Chair, Search Committee for Navajo, Department of Modern and Classical Languages.
- c. June C.D. Carter. Department Representative for United Way Fund-Raising at UNM, 1977-1979. Participant in North Central Association Visits to High Schools 1978-80.
- d. Pelayo H. Fernández. Faculty advisor, member Graduate Committee.
- e. Bruno Hannemann. Chairperson of the Graduate Committee of Modern and Classical Languages. Member of Comparative Literature Committee, Arts and Sciences.
- f. Robert Holzapfel. Chairman of Building Committee. Faculty Advisor for UNM Mountain Club.
- g. Tamara Holzapfel. A and S Promotion Committee in Humanities, Chair; A and S Tenure Committee; A and S Policy and Curriculum Committee; Dept. Graduate Committee.
- h. Natasha Kolchevska. Acting head of Russian section, academic year, 1978-1979.
- i. Enrique E. Lamadrid. Advisor to undergraduate students; co-ordinator of Spanish 101-102 courses which includes supervision, observation, and training of graduate students; in charge of challenge examinations for first year Spanish; committee on scheduling; committee on the language laboratory.
- j. Byron Lindsey. Director, Russian language Program; Russian Studies Committee, Comparative Literature Committee.

- k. Raymond R. MacCurdy. Chairman, Arts and Sciences Tenure Committee 1978-79. Member, Honorary Degree Committee.
- l. Patricia Murphy. First Semester 1979: Chairperson, Comparative Literature Program; Head, French Section. Continuing Education Committee.
- m. Marshall R. Nason. Acting Executive Director, Latin-American Institute; Member, International Affairs Committee; Director, Ibero-American Studies doctoral program; Chairman, Title VI Committee; Director, Andean Study and Research Center; A and S representative, Faculty Senate, Chairman, President's Ad Hoc Committee on Grievance Procedures Member, Ad Hoc Orientation Advisory Committee.
- n. Alice Neundorf. Band Booster for Highland High School in Albuquerque, NM.
- o. Alice Omaggio. Member of newly formed Faculty Undergraduate Committee, Dept. of Mod. and Class. Langs. Served on Modern and Classical Languages Faculty Committee on Language Requirements.
- p. Peter K. Pabisch. Chairman, Comparative Literature Program -- since Fall 1979. Member: Committee on European Studies.
- q. George F. Peters. Assistant Chairman, Modern and Classical Languages. Head and Advisor, German Section. Acting Chairman, Semester I '79/80. Chairperson, Honors Council. Search Committee, Honors Director.
- r. Alfred Rodríguez. Chairman: Policy Committee Dept. of Modern and Classical Languages.
- s. Claude-Marie Senninger. Library Committee (in department and in the library). University Senate, Chairperson Senate undergraduate Academic Affairs Committee.
- t. Warren S. Smith. Faculty Advisor for Classics; member, Comparative Lit. Committee and departmental Policy Committee.

- u. Jon M. Tolman. Library Subcommittee of the Latin American Institute.
- v. Sabine R. Ulibarri. Department chairman, student advisor.
- w. Julian E. White Jr. Lay reader and Adult Sunday School teacher at St. Peter's Anglican Church.

9. Public service.

- a. Garland D. Bills. Talk on linguistics to gifted children at Sierra Vista Elementary School, November 1979.
- b. Pelay H. Fernández. Member NM Association for Bilingual Education, member Sister Cities Association.
- c. Robert Holzapfel. NM Wilderness Study Committee.
- d. Enrique E. Lamadrid. Supports most of the cultural organizations, especially the Albuquerque and Santa Fe Opera companies, the New Mexico Symphony, the Compañía de Teatro, Boys' Chor, etc. Also supports foreign student programs. A foreign student from Ecuador lived in his home until August.
- e. Marshall R. Nason. Plan de Padrinos (Foster Parents Plan) Colombia. Member, Hispano Chamber of Commerce of Albuquerque, Educational Committee.
- f. Alice Neundorf. Lobbied for Native American Materials Development Center in Washington D.C. for four days.
- g. George F. Peters. Volunteer Announcer KHFH.
- h. Claude-Marie Senninger. Sponsor of the French for Children.
- i. Jon M. Tolman. Boy Scouts, Troop 207 (Troop Committee Chairman).

10. Personal information.

- a. June C.D. Carter. She now has one child.
- b. George F. Peters. Married to Rosie Landesberger, November 21.

The Report of the Department of Philosophy
July 1, 1979 - June 30, 1980
Howard N. Tuttle, Chairman

I. General Departmental Information

- A. Significant achievements during the academic year: We have begun the process of gaining approval of a religious studies major. Final approval is still pending, but we have a possibility of at least nine majors. This religious studies major is under the aegis of an interdepartmental committee. The philosophy department is now the home of the journal Environmental Ethics. This journal is published four times a year, and is under the general editorship of Professor Gene Hargrove who is a member of the department. Professor Fred Schueler became Graduate Student Advisor of the philosophy department. Professor Russell Goodman was appointed associate professor.
- B. Significant plans and recommendations for the near future would include the full administrative approval of our religious studies major. Also we will continue to hold dialogue about the future role and structure of our graduate and undergraduate programs in philosophy. Significant changes may come next year. Distinguished Visiting Professor will be A. L. Basham.
- C. Appointments to staff: None.
- D. Separations from staff: None.

II. Composite Information from Biographical Supplements

1. Advanced study.
None.

2. Sabbaticals, leaves of absence, travel, etc.

- Burgess: Trip to University of Minnesota, May 29-June 5, 1979 to consult with Classics Department there about possibility of bringing program for computer teaching of classical languages to UNM.
- Casalis: Sabbatical, Jan. - Aug. 1979, Study of Buddhism and Hinduism in Japan, India and Nepal.
- Eggenberger: Visiting Scholar, U.C., Berkeley, May - Aug. 1979.
- Lee: Three trips to Mexico - one of them to study Spanish in Cuernavaca during Winter vacation, one to read a paper in Puebla, Dec. 1979.
- O'Neil: Sick Leave, Spring Semester (all activities sharply curtailed by radiotherapy for cancer of the throat).

3. New scholastic honors, fellowships, etc.

None.

4. Publications.

- Burgess: Review of C.S. Lewis: The Shape of His Faith and Thought, by Paul L. Holmer, in Dialog, 18 (Summer 1979), 237; article "Kierkegaard's Climacus as Author," in Journal of Religious Studies, 7 (Fall 1979), 1-14; article "Spinoza and Kierkegaard on Passion and Faith," in Kierkegaard-Studiet (Kierkegaard Study), Osaka, Japan, 9 (1979), Japanese text 71-76, English text 116(1)-112(5); article "Science Fiction and Religion," in Teaching Science Fiction: Education for Tomorrow, ed. Jack Williamson (Philadelphia: Owlswick, 1980), 168-176, Publication date: May 1980.
- Casalis: "The Semiotics of Zen Rock Gardens," Proceedings of the IId Congress of the International Association for Semiotic Studies (forthcoming); "The Semiotics of the Visible in Japanese Rock Gardens," forthcoming, Semiotica; "The Semiotics of Japanese Archery," forthcoming Semiotica.
- Goodman: "Schopenhauer and Wittgenstein on Ethics," Journal of the History of Philosophy, Vol. XVII, No. 4, pp. 437-447, Fall 1979; "Taoism and Ecology" in Environmental Ethics, Spring 1980, pp. 73-80.

- Hargrove: "The Historical Foundations of American Environmental Attitudes," Environmental Ethics 2 (1980): 121-48 and "Anglo-American Land Use Attitudes," Environmental Ethics 2 (1980): 121-48.
- Lee: "On the Marxian View of the Relationship Between Man and Nature," Environmental Ethics 2 (1980): 3-16; Review of Katharina Comoth, Die "Verwirklichung der Philosophie," Subjectivitaet und Verobjectivierung im Denken des jungen Marx, Journal of the History of Philosophy, Vol. XVII, No. 3, July 1979, pp. 357-9; and Review of Galvano della Volpe, Rousseau and Marx and Other Writings, Choice, Jan. 1980.
- McDermott: Book: A Translation and Philosophical Interpretation of Boethius of Dacia's Treatise on the Modes of Signifying (published by E. Benjamins, Amsterdam, 265 pages) and "Review of Language in Indian Philosophy and Religion," Journal of Asian Studies, Autumn 1979, 3 pages.
- Schmidt: Review: Linda Graber, Wilderness as Sacred Space in Environmental Ethics (1979) 186-188; Review: G.N. Izenberg: The Existentialist Critique of Freud in Journal of the History of Philosophy, 17 (1979) 118-119; and Temple Reflections, Hummingbird Press, 1980, pp. 1-110.
- Schueler: "Exclusionary Reasons," in The Personalist, October 1979 and "Can Subjectivism Be Defused?" in Metaphilosophy.
- Sturm: Articles: 1. "Foundations for a New Era: The Philosophic Vocation of Farias Brito" in La Filosofía en América, edited by Ernesto Mayz Vallenilla (Caracas, Venezuela: Sociedad Venezolana de Filosofía, 1979), pp. 109-114, and 2. "Dependence and Originality in Latin American Philosophy" in International Philosophical Quarterly, vol. XX, no. 2 (June 1980) (Pagination not certain since issue has not arrived yet). Book Reviews: The African Religions of Brazil: Toward a Sociology of the Interpenetration of Civilizations by Roger Bastide, in Journal of Ecomenical Studies, vol. 16, no. 3 (Summer 1979); Alejandro O. Deústua: Philosophy in Defense of Man by Jack Himelblau, in Choice, October 1979; The Brahma Samaj and the Shaping of the Modern Indian Mind by David Kopf, in Choice, November 1979; A Thousand Teachings:

the Upandésāsahasri of Saṅkara translated by Sengaku Mayeda, in Choice, January 1980; Radhakrishnan on Hindu Moral Life and Action by Aloysius Michael, in Choice, February 1980; The Theories of Error in Indian Philosophy: An Analytic Study by Bijayananda Kar, in Choice, February 1980; Nyāya-mānjari: The Compendium of Indian Speculative Logic (vol. 1) by Jayanta Bhatta (translated by Janaki Vallabha Bhattacharyya, in Choice, March 1980.

Tuttle: "The Problem of Natural Law in Aristotle," Southwest Philosophical Studies, Vol. III, pp. 75-79, 1979, and two book reviews: Rev. of Meta XXXIII, No. 1 and Journal of History of Philosophy Vol. XVI, No. 2.

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

Burgess: Review of The Grammar of Faith, by Paul L. Holmer, accepted for publication in Reflection (Yale) during 1979-80 but not yet published; article "Other Planets, Other Mangers," not yet submitted; other articles in various stages; book on Kierkegaard and Wittgenstein (A Ladder to Paradise) now in third revision; "Brentano's Evolving God," accepted for publication in The New Scholasticism.

Casalis: Semiotic Studies East and West (book), in progress.

Eggenberger: Review of The Elements of Intuitionism by Michael Dummett; review of Logic by Samuel D. Guttenplan and Martin Tamny in the Journal of Symbolic Logic; Brouwer's Intuitionism: A Book of Readings, a long introduction; a critique of Dummett's Arguments Against Truth Condition Semantics; the Cavell-Matea Controversy Revisited; translation of "Mathematic, Wissenschaft und Sprache" by L.E.J. Brouwer, with notes; translation of Les Fondements Psycholinguistiques des Mathématiques by G. Nannbury.

Eilstein: An essay "On the Concept of Existence is to be completed by the end of May 1980; another advanced essay "On the Concept of an Individual," is to be completed in 1980; an essay "The Master's Voice," a study of a Polish Sci-fi writer, St. Lem, will be published in Germany (the first full translation) in the Insel Verlag, Frankfurt in Fall 1980; a book Futurity and Possibility is in progress.

Goodman: Two papers entitled, "Nature's Sounds and Silence," and "Whitehead's Environmental Philosophy."

- Lee: Review of Finnin and Smith (eds.), The Morality of Scarcity: Limited Resources and Social Policy, accepted by The Natural Resources Journal for publication in April 1980, 3 pages.
- McDermott: Translation of 11th Century Tibetan Epistemological Treatise, in progress.
- O'Neil: Completed (and circulating) an article on Spinoza; refereed (upon request) an article on Descartes for the Southwestern Journal of Philosophy.
- Schmidt: Completed book, The Aesthetics of Existing, 400 page MS; article accepted in Process Studies entitled "Nobo's Thesis on Repeatability of Actual Occasions."
- Schueler: In process of finishing a book entitled Morality and Scepticism; presently working on a paper on compensatory justice.
- Sturm: Article concerning the Indian Pueblo Cultural Center and the Tricentennial Commemoration of the 1680 Indian Pueblo Revolt commissioned by the Western College Alumnae Association and scheduled to appear in the Fall 1980 Western College Alumnae Bulletin; an analysis of Padre Manuel da Nóbrega's Diálogo Sobre A Conversão Do Gentio to be presented at the 30th Annual Conference of the Center for Latin American Studies of the University of Florida commemorating The Portuguese World in the Time of Camões, 29-30 September and 1 October 1980.
- Tuttle: Book in progress: They: A Study of the Problem of Intersubjectivity in Dilthey, Heidegger and Schutz.

6. Activities in learned and professional societies.

- Burgess: Attended annual national meeting of American Academy of Religion, New York City, during November 1979; participated in AAR Working Groups on Liberation Theology, Nineteenth Century Theology, and Wittgenstein and the Study of Religion; attended annual meeting of Rocky Mountain Region of the American Academy of Religion (Denver, Colorado), April 12, 1980; attended Kierkegaard Conference at end of annual meeting of the Canadian Philosophical Association (Montreal, Quebec, Canada), June 6-8, 1980.

- Casalis: Read paper on the "Semiotics of Zen Rock Gardens," Congress of International Association for Semiotic Studies, Vienna, Austria, July 1979.
- Eggenberger: Attended American Philosophical Association, December 27-30, 1979.
- Goodman: "Some Taoist Ecological Principles," paper read to American Association for Chinese Studies, November 1979; chaired a session of the New Mexico-West Texas Philosophical Society Meetings, April 1980, in Albuquerque.
- Hargrove: Lecture, "The Humanities and Environmental Affairs," Spring Hill Center Workshop on Environment, 13-16 April 1980; commentator on three environmental philosophy papers at Earthday X: The Humanities and Ecological Consciousness, University of Denver, 21-24 April 1980; and contributor, "The Forest in American Philosophy and Religion," for the Encyclopedia of American Forest and Conservation History, Forest History Society.
- Lee: "On Althusser's Distinction Between Science and Ideology," read at the Society for Ibero and Latin American Thought meeting in conjunction with the Third National Colloquium on Philosophy in Puebla, Mexico, December 1979, 15 pages.
- McDermott: APA, Executive Committee; WCAAS, Executive Committee; SCAP, Western Division Liason Officer.
- Schmidt: Participated in a special week-long seminar with Professor Nishitani of Otani University, Kyoto, Japan, held at Bodhi Mandala Zen Center, Jemez Springs, N.M.
- Sturm: American Association for Chinese Studies: Member of Board of Directors; Editor-designate of Journal of Chinese Studies; Program Chairman for 21st (1979) and 22nd (1980) Annual Conferences; Moderator of Panel "Chinese & Tibetan Buddhism" at 21st Annual Conference, California State University at Long Beach, 9-11 November 1979. American Philosophical Association: attended Eastern Division Meeting, New York City, 27-29 December 1979. Interamerican Society for Philosophy: Member, Organizing Committee for the 10th Interamerican Congress of Philosophy. Rocky Mountain Council for Latin American Studies: Commentator for Panel "Psychology and Spiritism in

Latin America" Santa Fe, N.M., 5 April 1980. Society for Iberian and Latin American Thought: Vice President; Program Chairman for the SILAT Conference held concurrently with the Third National Colloquy of the Mexican Philosophical Association, Autonomous University of Puebla, Puebla, Mexico, 2-8 December 1979; paper presented at the SILAT Puebla Conference "Panorama del Pensamiento Filosófico en el Brasil Colonial." Southwestern Council for Latin American Studies: organized panel, "The Reaction Against Positivism in Latin American Philosophy: for the SCOLAS meeting at the University of Texas at Austin, 20-22 May 1980; paper presented at the panel mentioned above, "The Reaction Against Positivism in Brasil: Tobias Barreto de Menezes"; participant in a panel on the current status of Latin American Studies in Southwestern Universities at the same meeting.

Tuttle: Elected president of the New Mexico-West Texas Philosophical Society.

7. Other professional activities.

- Burgess: Served as Chairman for the public meeting of the panel for the Lutheran/Roman Catholic Conversations, February 24, 1980.
- Casalis: Interview in Albuquerque Journal, December 2, 1979; interview in Campus News, December 6, 1979; interview on Channel 4, December 13, 1979; talk on Japanese Gardens, Albuquerque Public Library, "Japan in Albuquerque," May 10, 1981; Consultancy for CHOICE.
- Hargrove: Consultant for Media Program, National Endowment for the Humanities International Secretary, National Speleological Society.
- McDermott: Lectures on Buddhism, Nyingma Institute, Berkeley, California, August 1979; panelist, Patristic, Medieval and Renaissance Conference, Villanova University, September 1979; lecture, Myth and Ritual, November 1979, Theatre Arts Dept., UNM.
- Schmidt: Read a chapter of my book to UNM Philosophy Club in September 1979 on "The Concept of Mergence"; continued to serve on the Board of Directors of Jemez Bodhi Mandala Zen Center, Jemez Springs, N.M.

Sturm: Symposium on The Blue Cliff Record sponsored by Jemez Bodhi Mandala and funded by the New Mexico Humanities Council (21-25 August 1979): consultant to the Planning Committee and participant. Panel on Latin American Liberation Theology sponsored by the UNM Student Organization for Latin American Studies (SOLAS) (21 February 1980): participant. Guest lecturer on Aristotelian Philosophy at the Albuquerque Academy (27 February 1980). Guest lecturer on Japanese Shintoism at Taylor Middle School (10 March 1980). Guest preacher at Placitas Presbyterian Church (13 April 1980). Participant in a Symposium on Japanese Culture sponsored by Japan-in-Albuquerque and funded by the New Mexico Humanities Council (25 April 1980): Paper "Japan: An Assimilationist Culture in Search of Authenticity." Guest lecturer at the Exchange Club of the Northwest (21 May 1980): Lecture, "The Reinstatement of Confucius by the Peoples Republic of China."

8. Non-teaching University service.

Burgess: Acting Chairman of the Philosophy Department, Summer 1980, beginning in June.

Eilstein: President of the Study Group for faculty and graduate students in Philosophy of Science, Fall 1979.

Goodman: Academic Freedom and Tenure Committee; KUNM Radio Board.

Hargrove: Editing of Environmental Ethics; non-academic Placement Advisor for Philosophy Department.

Lee: Member of Faculty Ethics and Advisory Committee; Departmental Undergraduate Advisor.

McDermott: Associate Dean of Graduate Studies, UNM; Faculty Senate; Research Allocations Committee; and various other committees and task forces related to work in the Office of Graduate Studies, e.g., Danforth Committee, Public Advisory Search Committee, etc.

Schmidt: Member of the Humanities Promotion Committee of College of Arts & Science.

Schueler: Member, University-School Relations Committee; member, University-Student Standards & Grievance Committee; Chairman, Philosophy Department Graduate Advisory Committee.

Sturm: Faculty Senate, Senator representing the College of Arts & Sciences; Latin American Institute, member of Faculty Concilium and Program Committee; Soka Gakkai (Nichiren Shoshu) Buddhist Student Association, faculty advisor; Chairman of University Committee on Asian Studies; Member of University Press Committee.

9. Public service.

Casalis: Member of Albuquerque Chapter of Amnesty International U.S.A.; Member of Friend's World Hunger Group.

Hargrove: Public Relations and Membership for Cub Scout Troop 86, Albuquerque, NM.

Lee: Local chair of U.S.-China People's Friendship Association; faculty sponsor and treasurer of Nicaragua Solidarity Coalition.

Schueler: Public talk on the Nature of Philosophy, Manzano High School, December 1979.

Sturm: Indian Pueblo Cultural Center: Member, Board of Directors of the Friends of IPCC; Museum Docent; Chairman, Education Committee of the Friends of IPCC; Director, Research Center for Pueblo Indian Studies, and Librarian, Research Library. La Segunda Iglesia Congregacional: Pianista and co-director del Departamento de Musica.

THE REPORT OF THE DEPARTMENT OF PHYSICS AND ASTRONOMY

July 1, 1979 - June 30, 1980

R. Marcus Price -- Chairman

I. General Departmental Information

A. Significant Achievements During the Academic Year 1979-80

During the academic year 1979-80, thirteen students received degrees in Physics or Astrophysics. Six of these were B.S. degrees in Physics, one was a B.S. degree in Astrophysics. Five students received M.S. degrees in Physics. One additional student received a minor in Physics. The following tables list the students who received degrees in Physics or Astrophysics.

Students receiving a B.S. Degree in Physics in 1979-80

Joel E. Anspach	Glenn Kellogg (minor)
Peter Denes	Steven M. Long
Michael M. Fikani (astrophysics)	Marc P. Valdez
Stephen Gobeli	James D. Whitfield

Students receiving M.S. Degree in 1979-80

Kenneth Butterfield	Michael DiSanti
Frank Cozza	Ronald Martinez

Marcus Rothmeyer

During this academic year, the Department has initiated a Tutorial Center to provide additional instruction for students in the introductory physics courses. The faculty involved in these courses combined a portion of their office hours in order to operate the center three to four hours each day. The response by the students was good, and all of the faculty found it an effective way to spend some of their time. We plan to continue the operation of this Center.

With the approval of the appropriate bodies of the University, the Physics Lecture and Laboratory Building has been renamed "Regener Hall", in honor of

Professor Victor Regener, member of the UNM faculty for over 25 years, who retired as Chairman of the Department last year. It was largely through his efforts that this excellent facility was built. It is one of the best designed and most functional buildings of its type in the nation.

The Department continued its public service function, holding open houses at our on-campus observatory each Friday night during the term, weather permitting. It was also open for several other selected events, such as lunar eclipses. On the average, nearly two hundred members of the public attended each of these sessions. Additionally, the Department sponsored visits to the campus observatory and to the Capilla Peak Observatory by the local camera club, the Albuquerque Amateur Astronomy Society, the Elderhostel program, and several other groups interested in our programs.

The Department has reviewed and extended the projected curriculum for our medical physics offering in cooperation with personnel from the Medical School. This revised option, which concentrates on radiology, will become available as an option for physics M.S. students next year.

The Department continues to be active in a number of research areas. During the 1979-80 year, five new awards grants or contracts were received by faculty members. The amount of these grants for sponsored research is \$369,071. This brings the number of faculty in the Department working on sponsored research to ten, and the present level of sponsored research activity to over \$600,000 per year. The grants were awarded for projects in such diverse areas as Experimental High Energy Physics, Science Teaching Improvements for High School Teachers, Solar Energy, and Cosmic Ray Studies. In addition to faculty participation, three post doctoral fellows and a number of graduate students and technicians were involved in the on-going research projects.

The Department continues a good relationship with the Los Alamos Scientific Laboratories. This includes: use of LASL facilities by UNM faculty, collaboration

on research projects and publications, and the service of LASL personnel on Departmental graduate committees and as adjunct faculty. There have also been many productive discussions this year with scientists at Sandia Laboratories and Kirtland Air Force Base Laboratories. We expect to see the growth of collaboration in projects at all of these laboratories.

The Department is strengthening its program in astronomy research. This is particularly so in the area of radioastronomy, with the arrival of Professor R. Marcus Price, the new Chairman, who is a radioastronomer, and the appointment of a new assistant professor (for 1980-81) Dr. Jack Burns. They plan to take advantage of the powerful, new Very Large Array radiotelescope on the Plains of St. Augustin. We also expect to make several adjunct appointments and establish strong ties with the VLA staff.

Dr. Marlan O. Scully was appointed as Distinguished Professor of Physics during the Spring term, 1980. Although not a resident on campus for most of this period, he began planning the Institute for Modern Optics which is being established here in conjunction with the Physics Department. Eight other individuals have been appointed to this unit, of which three are part-time faculty and the remainder hold research appointments. The members of this group, many of whom come from the University of Arizona Optical Sciences Center where they worked together, have already prepared and submitted proposals to various outside funding agencies totaling more than \$500,000 to support some of their work during the coming year. As part of the instructional side of this program, faculty members have developed outlines for three new courses to begin this fall term. These courses were submitted through the appropriate University channels and have been approved. There will be a course in advanced optics, one in laser physics, and one in laboratory practices in optics.

During the year there were a total of 40 departmental colloquia. These

featured speakers on a variety of subjects, visiting from a broad range of research institutions, universities and corporations. This interaction with outside researchers is extremely useful to our faculty and students in keeping up with the many areas of physics and astronomy studies happening at other institutions. The high point of these colloquia was the sponsorship of two speakers in the Sandia-UNM Speaker series. Dr. David Schramm, Professor of Astrophysics at the University of Chicago, gave two talks on the astrophysics of the Big Bang cosmology and its relationship to elementary particle physics. Dr. G. Herzberg, of the Herzberg Institute of the National Research Council of Canada, gave lectures on atomic and molecular physics.

B. Significant Plans and Recommendations for the Near Future

The addition of a research group in Modern Optics, headed by Professor Marlan Scully, represents a major step for the Department. The faculty appointments will be within the Department, while research appointments can be made either within the Department or the Institute. Our hope is that, within a year or two, this group will grow to about twenty, including both faculty and research staff. At present, it has one full-time and three part-time faculty members. We expect to add one more part-time faculty member during each of the next three years. Also, as outside support allows, we will add research staff members. We can expect to see active collaboration between this group and researchers at LASL, Sandia Laboratories, and Kirtland Air Force Base Laboratories.

As the optics effort proves it's success, we intend to pursue the establishment of groups in other areas not currently covered by the research interests of the Department. As is the case with the Institute for Modern Optics, we expect these to be supported largely by outside funds. These groups will provide the "parallel track"-type of positions that are so badly needed in academia today. These positions will allow bright young people to remain in the field

even though there is an extreme scarcity of tenure track positions presently available. This will insure that there will be experienced, mature workers in their respective fields when retirements cause shortages of faculty in technical areas beginning in the 1990s. This need has been discussed at great length by the National Academy of Science and the National Science Board. The creation of these programs will be a positive step toward the solution of the scientific manpower problems that might otherwise occur in the 1980s and 90s.

Another area in which we are enlarging our effort is radio astronomy. Because the Very Large Array is nearby, we are in an excellent position to make maximum use of it. To fully realize the potential of this powerful instrument, we have to establish an image processing facility to interactively analyze the data collected there. We are planning the facility now, and in the near future we expect to request funds from the NSF to augment UNM funds. When completed, this facility will be one of the best in the world for astronomical data and image processing.

In response to needs from other departments in the College, in particular the Department of Chemistry, we are planning to hire an additional machinist for our shop next year. This person will then be available to do work for other departments and programs within the University. The service will be available on a cost basis, and it is hoped that we can make full cost recovery of the salary of the individual. For this trial program we appreciate the support of the Associate Provost for Research and the Comptroller's Office.

Our undergraduate laboratories are an integral and important part of our introductory courses. We have a continuing need for more technical support for these laboratories so, this coming year, we are planning to hire a part-time technical person to assist in the set up and maintenance of the equipment used in these classes. This will be done with Departmental funds for this first year,

and, if it works out in a satisfactory way, it is our hope to fill this position on a continuing basis with support from the University.

We are planning to reorganize the administrative structure of the Department. Because of the increase in the numbers of faculty, projects, grants, contracts, and Departmental activities, such as advisement and research workshops, it is necessary to re-examine the manner in which we carry out administrative and support functions. We expect that with careful planning and training, and with the utilization of modern office equipment, we should be able to meet our new demands within the existing budget figures. This reorganization process can be expected to take about a year to fully implement, including new training and obtaining the new equipment that we will need.

C. New Additions

Prof. Marlan Scully was appointed as Professor of Physics (March 1, 1980) for the purpose of carrying out planning for the Institute for Modern Optics and requesting funding. Ms. Deborah Stark joined our office staff as a technical typist and clerk (October 4, 1979).

D. Departures

Prof. Roy Thomas retired at the end of the 1979-80 academic year after more than twenty years of service on the faculty of the Department.

II Composite of Information Requested on Individual Biographical Supplements

1. Advanced Study

Harjit S. Ahluwalia

Attended IEE Mini course on Inertial Confinement Fusion (ICF), held on 6-9 June 79, at Montreal, Canada.

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

Harjit S. Ahluwalia

Travelled to Mexico City, Montreal, Kyoto, and Nagoya to participate in international conferences and to various locations inside this country to attend national and international meetings.

Howard C. Bryant

Travel to Japan, 26 Aug - 10 Sept 1979

B. Dieterle

Spring semester to Brookhaven National Laboratories for antiproton research

J. D. Finley, III

Travel to Mexico City from May 6 to May 21, for work with Dr. Jerzy Plebanski, Centro de Investigaciones y Estudios Avanzados del IPN

David S. King

Spent entire calendar year on sabbatical leave at the Los Alamos Scientific Laboratory.

C. P. Leavitt

Travel to BNL to participate in antiproton experiment, two weeks in Jan. and five weeks in June-July.

Alan W. Peterson

Observing run at Univ of Arizona Mt. Lemmon Observatory while with NASA Ames for summer.

Derek B. Swinson

Travel to Hong Kong, visited physics Dept, University of Hong Kong; travel to Japan to attend 16th International Cosmic Conference, Kyoto; visited Nagoya Univ. and Shinshu Univ in Japan; visited Sakashita and Matsushiro. Cosmic Ray Telescopes in Japan. Visited Institute of Physical and Chemical Research, Tokyo.

David Wolfe

Sabbatical Leave, Spring 1979, lived at Brookhaven Natl Lab, Upton, NY, 1 January-6 Aug., Visited Europe, March, May-June.

3. New scholastic honors, fellowships, etc.

Harjit S. Ahluwalia

Listed in (a) American Men and Women of Science, 14th Edition

(b) Personalities of the West and Midwest

(c) Who's Who in Education compiled by International Biographical Center at Cambridge, England, 1979 Ed.

Elected member of International Astronomical Union at XVII General Assembly, Montreal.

Alan W. Peterson

NASA (ASEE) Summer Research Fellowship at Stanford and NASA Ames, 10 weeks, Summer 1979

4. Publications

Harjit S. Ahluwalia

"A Case for Solar Neutrons," Bull. Am. Astron. Soc., 10 (#4), 676, 1978.

"Cosmic Ray Anisotropy and the Gross Structure of the Interplanetary Magnetic Field." NOAA Proc. Solar Terrestrial Predictions Workshop 3, in press.

"Cosmic Ray Anisotropy and Energetic Particle Transport in Heliosphere." Trans. Am. Geophys. Un., 60, 341, 1979.

"Plasma Physics of Some Cosmic Ray Transport Problems Within Heliosphere." Conference Record: 1979 IEEE Intern. Conf. Plasma Sci. 79 CH1410-ONPS, p. 176, 1979.

"Coronal Holes, Solar Diurnal Anisotropy of Cosmic Rays, and Off-Ecliptic Interplanetary Magnetic Fields." NASA Proc. Sympos. Study of Solar Cycle from Space, in press.

"Coronal Holes and Off-Ecliptic Cosmic Rays." Sixteenth Intern. Conf. Cosmic Rays, Kyoto. Conf. Papers (Science Council of Japan and Physical Society of Japan), 12, in press.

"Eleven Year Variation of Cosmic Ray Intensity and Solar Polar Field Reversals." 16th Intern. Conf. Cosmic Rays, Kyoto. Conf. Papers (Science Council of Japan and Physical Society of Japan), 12, in press.

"Coronal Holes, Cosmic Ray Anisotropy, and the Heliosphere." Oral presentation at IAU Symposium #91, at Cambridge, MA, on 27-30 Aug 1979.

"Solar Polar Field Reversals and Secular Variation of Cosmic Ray Intensity." D. Reidel Publ. Co., Boston. Eds. E. Tandberg-Hanssen and M. Dryer. In press.

"Models of the Heliosphere." Oral presentation, Informal Meeting on North-South Asymmetry and Partial Density Gradients, Kyoto, 13 Aug 1979.

"Business Meeting of High Energy Cosmic Ray Group in STIP." Cosmic Ray News Bul. (COSNEWS) of the Commission on Cosmic Rays of IUPAP, 12, 11, 1979.

S. S. Alpert

"Body Weight and Energy Conservation," Bestways Magazine, Jan 79.

"Amount is Not Supply Rate in Energy Intake Control," Nature 280, 171 (1979).

"A Two-Reservoir Energy Model of the Human Body," Amer. Jour. of Clinical Nutrition.

Charles L. Beckel

"A New Functional Form for Representing Vibrational Eigenenergies of Diatomic molecules. Application to H₂⁺ Ground State," Jour. of Chem Physics, Vol 70, pp 3881-3 (1979). Co-authors: A.R.Hashemi-Attar, W.N.Keepin, and S.A.Sonnleitner.

"A New Functional Form for Representing Vibrational Eigenenergy of Diatomic Molecules. II. Application to H₂ Ground State," Jour of Chem Physics,

Vol 71, pp 4596-4600 (1979). Co-author: A.R.Hashemi-Attar.

"Spontaneous Emission Lifetimes in the Ground Electronic States of HD^+ and H_2^+ ," Jour of Chem Physics, Vol 71, pp 5382-3 (1979). Co-authors: J.M.Peek and A.R.Hashemi-Attar.

Howard C. Bryant

- "Heat Extraction from a Salt Gradient Solar Pond," Intl Conf. on Alternate Energy Sources, Miami Beach, FL, Dec 5-7, 1977. Published also by NM Energy Institute, NM State Univ, as Technical Report NMEI 45, July 1979. Co-author: F. Zangrando.
- "Measurement of Polarization in K⁻p Elastic Scattering of Low Energies", Contributed paper, Conf. on Nuclear Structure and Elementary Particle Physics, Birmingham, England, March 1979. With co-authors.
- "Atomic Physics with Relativistic Beams," in Physics News in 1978 published by Amer. Inst. of Physics, NY, 1978.
- "Determination of the M Values of the Stark-Split Feshbach Resonance near 10.93 eV in the Photodetachment Spectrum of H^- ," paper AF9, Bul Amer Phys Soc 24, 561 (1979). With co-authors.
- "Survey of Resonance Region in the H^- Photodetachment Cross Section," paper AF10, Bul Amer Phys Soc 24, 561 (1979). With co-authors.
- "Energy Measurements of the H^- Beam at LAMPF," paper HM11, Bul Amer Phys Soc 24, 640 (1979). With co-authors.
- "Time-resolved Beam Energy Measurements at LAMPF," IEEE Transactions on Nucl Sci, Vol NS-26, #3, June 1979, pp. 3291-3293. Also presented at 1979 Particle Accelerator Conf, Accelerator Engineering and Technology, San Francisco, CA, Mar 12-14, 1979, by D. W. Hudgings. With co-authors.
- "Studies of H^- Resonances in an Electric Field," Invited Review Talk 3A2, XI Intl Conf on the Physics of Electronic and Atomic Collisions, Aug 29-Sept 4, 1979, Kyoto Intl Conf Hall, Kyoto, Japan. To be published in The Book of Invited Papers, XI ICPEAK, North-Holland Publ Co.
- "Observation of Narrow Resonance in the H^- Photodetachment Cross Section near the n-3 Threshold," Phys Rev Letters 43, 1715 (1979). With co-authors.
- "Stepwise Laser Photodetachment of $\text{H}(1s)$ via the Lyman Series using the Relativistic Doppler Shift," paper BB3, Bul Amer Phys Soc 24, 1174 (1979). With co-authors.
- "Measurement of Polarization in K⁻p Elastic Scattering Between 0.95 GeV/c and 1.272 GeV/c," Preprint RL-79-078, Rutherford Lab, Nov 1979. With co-authors.

Colston Chandler

- "Long-Range Invariance Principle Revisited," Indiana Univ. Math. J. 28 (1979) 389-403 (with A. G. Gibson).
- "R-Matrix Method for Nuclear Reaction Theory," Phys Rev C 19, (1979) 1660-1666 (with W. Tobocman).

B. Dieterle

- "A Scintillating Gaseous Hydrogen Drift Chamber for Use as a Positron-Sensitive Target," Nuclear Instruments and Methods 165 (1979) 351.

J. D. Finley, III

- "Covariant perturbed wave equations in arbitrary type-D backgrounds," J. Math Phys 20, 311 (1979), with Alan L. Dudley.

"The classification of all H spaces admitting a Killing vector," J Math Phys 20, 1938 (1979), with J. F. Plebanski.

David S. King

"Theoretical Pulsation of Metallic-line Stars," Astrophysical Jour, vol 231, p 798, 1979.

"Theoretical Periods and Masses of Double-Mode Dwarf Cepheids," Astrophys Jour, vol 228, p 870, 1979.

"Linear Theory Period Ratios for Surface Helium Enhanced Double-Mode Cepheids," Astrophys Jour, vol 230, L109, 1979.

"Modal Behaviour for RR Lyrae Variables," Bul of the Amer Astron Soc, vol 11, p 729, 1979 (Abstract).

"Theoretical Period Ratios for the RR Lyrae Variable AQ Leonis," Bul of the Amer Astron Soc, vol 11, p 729, 1979 (Abstract).

"The Periods of BL Herculis Stars," Bul of the Amer Astron Soc, Vol 11, p 730, 1979 (Abstract).

C. P. Leavitt

"Bound States and Resonances in the $\bar{p}D$ Interaction," Bul of Amer Phys Soc 24, #4, April 1979.

John Linsley

"Report of Mu-E Surface Array Study Group," Proc of the Air Shower Workshop, Univ of Utah, 15-18 May 1979, ed T.K. Gaisser, publ by Bartol Research Foundation, Univ of Delaware, Newark, pp. 81-84.

"Note on a Public Safety Consideration Relevant to Large Air Shower Installations," Proc of the Air Shower Workshop, Univ of Utah, publ by Bartol Research Foundation, Univ of Delaware, Newark, pp 113-115.

Alan W. Peterson

"Airglow Events Visible to the Naked Eye," Applied Optics 18, 3390-3 (1979).

"Correlation Studies of Four Submicron OH Bands during Spacelab Simulation," Jour of Atm and Terr Phys 40 1339-45 (1978).

R. M. Price

"Spectrophotometry of the Extended Nebulosity in NGC 5128," Bul of the Amer Astron Soc 10, 627, 1979.

Derek B. Swinson

"The Grand Canyon Caverns Underground Cosmic Ray Telescope," Abstract, Proc 16th Intl. Cosmic Ray Conf, Kyoto, Japan, p 226, 1979 (full paper in later volume of same proc, in press).

"The Radial Component of the Solar Diurnal Variation of Cosmic Rays Observed Underground," Abstract: Proc. 16th Intl. Cosmic Conf, Kyoto, 4, p 63, 1979 (full paper in later volume of same proc, in press).

"An East-West Effect in Cosmic Ray Conferences," Proc. 16th Intl. Cosmic Ray Conf., Late Volumes, 1979 (in press).

David Wolfe

"Bound States and Resonances in the $\bar{p}D$ Interaction," Bul Amer Phys Soc 24, #4, April 79.

Michael Zeilik

"Large-Beam, Near-Infrared and 24 GHz Observations of M8," Astron Jour 84, 341, (1979).

"The Strange RS Canum Venaticorum Binary Stars," Sky and Telescope 57:2, 132 (1979). With co-authors.

"Near-Infrared and Radio Observations of IRC-10442 (GL5268S)," Astron Jour 84, 1323 (1979).

"Near-Infrared Observations of Two Far-Infrared Sources in the W3 Region: G133.8±1.4 (WeN) and G133.982±1.14 (BS4)," Astron Jour 84, 1566 (1979).

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

Harjit S. Ahluwalia

NSF Grant "ATM78-10727, \$48,100, "Cosmic Ray Anisotropy, Solar Magnetism, and Heliomagnetosphere," 30 months, 1979-80.

Three unsponsored research projects are in progress. Several publications have resulted from them.

S. S. Alpert

(In progress) Optical diffraction research with emphasis on polarization and conductivity effects (Experimental, 2 graduate students). (In progress) Optimization of two-reservoir energy model (Theoretical).

Charles L. Beckel

NIH-Minority Biomedical Support, \$11,007, "Theoretical Study of Phosphate-Containing Biological Molecules," Aug 20, 1978 to Aug 19, 1979.

NIH-MBS, \$13,688, same title as above, Aug 20, 1979 to Aug 19, 1980.

Air Force Office of Scientific Research, \$52,460 (plus \$2,450 in Computational Services at KAFB), "Diatomic Molecule Properties in the Intermediate Energy to Dissociation Limit Range," Dec 16, 1978 to Feb 15, 1980.

Howard C. Bryant

Dept of Energy, ER-77-S-04-3998, \$212,000, "Atomic Physics with Relativistic Beams," June 1977 to May 1980

Dept of Energy, EG-77-S-04-3977, \$155,952, "Solar Pond Studies," April 1977 to Aug 1980

Colston Chandler

unsponsored research on nuclear reaction theory

B. Dieterle

All projects sponsored by DOE, \$800,000, 7 years, "Studies of the Nucleon-Nucleon Interaction at Intermediate energies."

J. D. Finley, III

Support for travel to Mexico City was recieved from the Fomento Educacional, Mexico City.

Gave special series of lectures in Dept on popular modern topic of instantons and solitons and their relation to high energy physics.

John R. Green

Crystallization habits of halogen-substituted hydrocarbons.

David S. King

Research continued on a variety of different types of variable stars. At Los Alamos, became involved in a theoretical study of the transport of pollutants in complex terrain. This was specifically applied to the Geyser's geothermal area of northern California, in a DOE-funded project.

C. P. Leavitt

Nuclear Physics at Medium Energy, \$200,000 for 1979 (over \$600,000 so far). Completed data taking for Expt. 701 at BNL during Apt. Paper submitted in Nov. for this work. Analysis still continuing.

John Linsley

"Are Extensive Air Showers Produced by Relativistic Dust Grains", accepted for publication in Astrophysical Journal (letters).

"Cosmic Rays", to be published in 1980 Yearbook of Science and Technology, (ed. Sybil P. Parker) McGraw-Hill.

"Cosmic Ray Anisotropy", Colloquium at Sandia Laboratories, 30 May.

"Highest Energy Cosmic Rays and the Dust Grain Hypothesis", Colloquium, UNM Dept of Physics & Astronomy.

Invited participant, 16th International Cosmic Ray Conference, Kyoto, Japan, 6-18 Aug. Presented 3 papers entitled "More about the Elongation Rate of Nucleonic Cascades", "Additional Results on the Structure of Large Air Showers", & "New Detectors at Volcano Ranch for Investigating Primary Composition of Highest Energy Cosmic Rays".

Served as chairman, Session EAS-A, Aug 15.

Invited speaker at Special Meeting on Galactic Anisotropy, Aug 14.

Received a grant from NSF to support continuation of research entitled "Muon Component of Cosmic Ray Showers at Energies above 10^{17} eV" for 12 month period beginning Nov 1, 1979, in the amount of \$95,000.

Applied for Supplemental NSF Grant in the amount of \$11,336 to support a 4 month visit (Apr-Jul, 1980) by Dr. Alan A. Watson of the University of Leeds, UK. Dr. Watson is leader of research at the Haverah Park Air Shower Array near Leeds. Application approved.

Alan W. Peterson

Continued airglow research. Began an airglow movie project with RAC funding (\$1300).

R. M. Price

Special Delegate to the World Administrative Radio Conference, Geneva, Oct-Nov 1979, on behalf of the Inter Union Commission on Frequency Allocation for Scientific Purposes (of the International Council of Scientific Unions). Supported by the U.S. National Academy of Sciences; Committee on Radio Frequencies.

Derek B. Swinson

Cosmic ray research, NSF grant "Field Dependent Cosmic Ray Anisotropies in Interplanetary Space at High Rigidities, \$55,800, June 1, 1978 - Nov. 30, 1980.

David Wolfe

Nuclear Physics at Medium Energy, \$200,000 for 1979 (over \$600,000 so far). Completed data taking for Expt. 701 at BNL during Apt. Paper submitted in Nov. for this work. Analysis still continuing.

Michael Zeilik

Infrared Observations of Binary Stars, Kitt Peak National Observatory;
Near-Infrared Polarimetry of Selected Compact HII Regions, Kitt Peak
National Observatory; Near-Infrared Emission lines from Wolf-Rayet Stars,
Kitt Peak National Observatory; UVB Observations of RS CVn Stars, Capilla
Peak Observatory.

6. Activities in learned and professional societies

Harjit S. Ahluwalia

Presented papers at 153rd Meeting of American Astronomical Society, held
7-10 Jan 1979, at Mexico City; Solar-Terrestrial Presictions Workshop,
held 23-27 Apr 1979, at Boulder, CO; 60th Annual Meeting of American
Geophysical Union, held 28 May-1 June, at Washingcon, DC; 1979 IEEE
International Conf. on Plasma Science, held 4-6 June 1979, at Montreal;
Symposium on the Study of Solar Cycle from Space, held 14-15 June 1979,
at Wellesley, MA; 16th International Cosmic Ray Conf, held 6-18 Aug 1979,
at Kyoto, Japan; IAU Symposium #91, held 27-31 Aug 1979, at Cambridge, MA.
Chairman for Solar Cycle Modulation (MO-3B) session of 16th International
Conf. on Cosmic Rays held at Kyoto, Japan, on 6-18 Aug 1979. Co-Organizer
and Chairman of Informal Meeting on North-South Asymmetry and Particle
Density Gradients, held 13 Aug 1979, at New Miyako Hotel, Room C, Kyoto.

S. S. Alpert

AAPT, APS, LIA.

Charles L. Beckel

"Classical Force Field Parameterization for the Orthophosphate Ion" presented
at the Amer. Phys. Soc. Meeting, Chicago, 20 Mar 79, co-author R.A. Tafoya.
"On the Cause of RKR f-integral Error near a Diatomic Molecule Dissociation
Limit" presented at the APS Meeting, Chicago, 22 Mar 79, co-author
E.S. Hertel, Jr.
"A New Functional Form for Representing Vibrational Eigenenergies of
Diatomic Molecules. Application to H₂ Ground State" presented at the
APS Chicago Meeting, 23 Mar 79, co-author A.R. Hashemi-Attar.
"On Use of Rational Fractions in Representing Diatomic Molecule Vibrational
Energy Levels and Potentials" presented at the Third International
Congress of Quantum Chemistry, Kyoto, Japan, 2 Nov 79.
Member: Publications Advisory Board, Fulbright Alumni Association.

Howard C. Bryant

Invited to review talk "Studies of H⁻ Resonances in an Electric Field",
XI International Conference on the Physics of Electronic and Atomic Collisions,
29 Aug - 4 Sept 1979, Kyoto, Japan. Panel member, workshop on LAMPD Options,
Los Alamos, Aug 1979.

Colston Chandler

A Two-Hilbert-Space Formulation of Multichannel Scattering Theory, invited
paper, Conference on Mathematical Methods and Applications of Scattering
Theory, Washington, DC, May 1979. Nonrelativistic Multichannel Quantum
Scattering Theory: A Two-Hilbert-Space View, invited talk, Gordon Conference
on Few-Body Problems in Chemistry and Physics, Aug 1979.

B. Dieterle

International Conf. on High Energy Physics, Vancouver, Canada, July. Panelist
for LAMPF study for future facilities, Aug 1979.

David S. King

Presented paper and co-author on two other papers at 153rd Meeting of the American Astronomical Society, mid-Jan, Mexico City. Attended workshop on Nonradial and Nonlinear Stellar Pulsation at Univ. of Ariz. 12-16 Mar 1979, and presented paper "Pulsation of High Luminosity Helium Stars". Presented paper "The Pulsation of Metallic-line Stars" at the International Astronomical Union, late August, Montreal.

Alan W. Peterson

AGU Meeting San Francisco, 4-6 Dec 1979, presented "On the Correlation of Certain OH Airglow Events with High Lunar Tide in the Atmosphere". Attended workshop on Atmospheric Aerosols, 6-8 Nov 1979, Baltimore, presented "Observations and Analysis of the Solar Aureole in the Near Infrared".

R. M. Price

Attended Meeting of American Astronomical Society in Wellesley, MA.

Derek B. Swinson

Attended 16th Intl. Cosmic Ray Conf, Kyoto, Japan; acted as session chairman; presented two papers "The Grand Canyon Caverns Underground Cosmic Ray Telescope" and "The Radial Component of the Solar Diurnal Variation of Cosmic Rays Observed Underground". Gave musical presentation at conference banquet on "An East-West Effect on Cosmic Ray Conferences". Participated in a symposium on high energy cosmic ray modulation at Nagoy Univ, Japan. Gave a colloquium "Field-Dependent Cosmic Ray Anisotropies" at Shinshu Univ, Japan. Discussed current cosmic ray problems at Institute of Physical & Chemical Research, Tokyo.

David Wolfe

Attended the Joint CERN-KFK Workshop on physics with Cooled Low Energy Antiprotons at the Karlsruhe Kernforschungszentrum, Germany, March 1979 (also visited CERN-Geneva Society). Visited Karlsruhe-Basel-Stockholm p expt. group at CERN, Geneva, May. Consultant (unpaid) to Univ. of Thessaloniki, Greece, June, where they are establishing a high energy physics group. Attended Amer. Phys. Soc. meeting, April, Washington DC, read paper. Attended Users Meeting, Fermi Natl. Accel. Lab, Batavia IL. Visited MIT and Harvard, Aug 1979, on return trip to NM from NY. Visited BNL in Aug and Dec. Attended Annual Meeting Amer. Phys. Soc. Div. of Particles and Fields at McGill Univ. Montreal, October, and organized Intl. Workshop on p Physics. Visited Fermi Natl Acc. Lab. in Nov. to discuss possible collaboration on Expt. 580 "Charmed Lifetime Search" with physicists from Ohio State Univ. Attended Conf. on Leptons and Quarks and planned new expt with colleagues at Univ Cal Irvine in Dec.

Michael Zeilik II

Attended International Astronomical Meeting #17 in Montreal, elected to IAU Commission 46 on the Teaching of Astronomy; elected to Education Board of the Amer. Astron. Soc; "Using TIPS in Teaching Introductory Astronomy", paper presented at 153rd meeting of the AAS; "Three Years of PSI Astrophysics," paper presented at June 1979 meeting of the AAPT; reviewer of the Astrophysical Journal, The Physics Teacher, American Journal of Physics, and The Journal of Personalized Instruction.

7. Other Professional Activities

Harjit S. Ahluwalia

Invited to visit Cosmic Ray Research Laboratory of the Univ. of Nagoya on 18-22 Aug, attended Executive Committee meetings of High Energy Cosmic Ray Group in STIP on 20-21 Aug, gave colloquium "Cosmic Rays in Heliomagnetosphere," on 21 Aug 1979. Gave slide show talk on "Machu-Pichu, the Lost City of the Incas," to Duke City Exchange Club luncheon, 24 May 1979. Referee for research proposals submitted to the Solar-Terrestrial Physics section of NSF.

S. S. Alpert

Six scientific talks, four public talks.

Charles L. Beckel

Member Policy Advisory Board, Navajo Science & Math Educ Assessment Proj; Visiting Staff Member (Short Term-Intermittent Services) LASL, from Oct 1979; "Physical Theory Applied to Determination of Biomolecule Conformation," seminar at NM Highlands Univ, 27 Mar 1979; "Some Research Problems in Molecular Physics and Biophysics", Physics 500 Seminar, 6 Sept 1979.

Howard C. Bryant

DOE Contractor's meeting, Kansas State, Manhattan, Kansas, 4-8 Apr 1979. Colloquium, "Plus-Minus Quantum Number", 21 Sept 1979, UNM.

Colston Chandler

On-campus physics demonstrations for elementary school children (spring & fall 1979). Three papers referred for Physical Review C.

B. Dieterle

Los Alamos Colloquium "Search for Baryonium". Review of Funding Proposal for Research Council, Canada.

J. D. Finley, III

Consultant on calculus-based physics texts for Prentice-Hall, Inc. Reviewer for Mathematical Reviews.

John Linsley

Participated in Air Shower Workshop, Univ. of Utah, 15-18 May, sponsored by US Dept of Energy and Univ. of Utah. Participated in meeting July 14 of Workshop Leaders, and co-authored Final Report, with T.K. Gaisser and Haven Bergeson. Invited Participant, second meeting of the AAS Panel on High Energy Astrophysics, Cal. Inst. of Tech. Pasadena, CA, 20-21 Sept. Assisted editors of Physical Review Letters and Astrophysical Journal by reviewing articles submitted for publication in those journals.

Alan W. Peterson

Presented colloquium at NASA Ames Space Sciences Center "Lunar Effects on OH Airglow". Repeated same at UNM Physics Dept, Fall 1979. Reviewed two proposals for NSF.

R. M. Price

Participation as a consultant to the National Academy of Sciences: Review of Astronomy for the 1980s. Invited colloquia at NMSU Dept of Astronomy and at NM Tech. Dept. of Physics. Harlow Shapley Visiting Lecturer, Spring 1979, Univ. of Michigan, Dearborne, Saginaw Valley College, Michigan.

Derek B. Swinson

Initiated work on a TV program on Solar Energy at request of NM Academy of Sciences. Wrote and performed in "Gridiron 1979" for Albuquerque Press Club. Consultant to several attorneys on accident reconstruction. Gave talk to Allstate Insurance Co. on the Physics of accident reconstruction. Referee for three proposals to NSF.

David Wolfe

Talk on O Works and bluons for the Soc. of Physics Students, NMIMT, Socorro, 8 Nov.

Michael Zeilik II

Solar eclipse information for KGGM-TV, KOB-TV, KOAT-TV, KHFM and KUNM radio; "Cosmic Connections" for KUNM News; Lunar eclipse info for KGGM-TV and public lunar eclipse party; "Constellation Identification", Bosque de Apache; "Star Deaths," Alpha Centauri Club of Albuquerque; "The Expanding Universe", UNM Parents' Day' "Star Birth" for Man and Molecules, ACS radio show; hosted NSF-RULE evaluation team.

8. Non-teaching University service

Harjit S. Ahluwalia

Member of UNM Science Colloquium Committee; member of UNM-Sandia Colloquium Committee; in charge of Departmental weekly colloquia; chairperson of 6 Student Study Committees and member of 4 more SSCs.

S. S. Alpert

Faculty Senate, Budget Review, A&S Promotions Committee, Advisor, High School Science Day.

Charles L. Beckel

Member Cultural Program Committee to June 1979; member Long-range Planning Committee, from July 1979; member Academic Unit Review Subcommittee, from Dec 1979; member Physics & Astronomy Public Relations Committee.

Howard C. Bryant

Chairman, P&A public relations committee. Parents Day, High School Day. Member P&A Chairman search committee.

Colston Chandler

AF&T committee, Fall 1979.

J. D. Finley, III

Member A&S Graduate Committee, Senate Graduate Committee; Acting Chairman of Dept. for summer; Chairman, Dept. Graduate Committee; Dept. Library Liason; Faculty advisor for graduate & undergraduate students.

John R. Green

Chairman, Committee on Academic Freedom & Tenure; Chairman, Search Committee for Chairman of the Department of P&A.

David S. King

On sabbatical leave during this period.

C. P. Leavitt

Los Alamos Graduate Advisor, Dept. Graduate Committee.

John Linsley

Thesis committees (MA) for James F. Riker and Aka Finci.

R. M. Price

Chairman: Ad Hoc Committee on a Quantum Optics Research Group.

Derek B. Swinson

Director of physics freshman/sophomore laboratories; chairman of search committee for new faculty position (physics). Gave four college enrichment program lectures, summer 1979.

David Wolfe

Chairman, Dept. Undergrad. Committee; member, Dept. Grad Committee.

Michael Zeilik, II

On advisory committees for the Southwest Resource Center for Science and Engineering and UNM-GPOP.

9. Public Service

Harjit S. Ahluwalia

Participated in departmental activities on Parents Day on 20 Oct 1979 and High School Seniors' Day on 3 Nov 1979.

S. S. Alpert

Secretary, Fellowship of Desert (Religious).

Charles L. Beckel

Kidney Foundation of NM, Inc; member of Executive Committee, Delegate Trustee, Chairman Research Committee, Co-chairman Fund Raising.

Colston Chandler

Miniclasses taught at Monte Vista Elementary School, spring & fall 1979.

J. D. Finley, III

Judge for cacti & succulents, New Mexico State Fair & New Mexico Cactus & Succulent Society Show.

C. P. Leavitt

Albuquerque Recorder Society.

Alan W. Peterson

Assisted in State Fair Wine judging program.

Derek B. Swinson

Taught music program to 3rd and 5th grade classes, Monte Vista elementary school. Gave talk to Albuquerque Kiwanis Club, presented music programs for St. Andrew's Society, UNM Faculty Club, Brothers of the Good Sheppard, Irish American Society, St. Timothy's Lutheran Church, Kiwanis Club, New Mexico State Poetry Society, Albuquerque Press Club, New Mexico Physical Therapist's Scholarship Banquet. Acted as expert witness in several cases in state and federal court in Albuquerque and Santa Fe.

David Wolfe

Aid AOS on Science Fair Projects.

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10. Personal information

S. S. Alpert

Program director, Rio Grande Vintners' guild; member of NM Mountain Club;
Student pilot, Southwest Air Rangers Aero Club.

Alan W. Peterson

Son born Oct, 4, 1979.

Derek B. Swinson

Married, May 1979, to Joann Harrison.

The Report of the Department of Political Science

July 1, 1979 - June 30, 1980

Robert J. Sickels, Chairman

I. General Departmental Information

A. Significant Achievements. Rationalization and renumbering of our undergraduate curriculum; recruitment of third female member of the department.

C. Appointments. Timothy J. De Young, Assistant Professor, August 20, 1979.

D. Separations. Robert A. Seward, Assistant Professor, May 17, 1980.

II. Information from Biographical Supplements

2. Leaves, Travel, etc. Martha Good, Assistant Professor, re-search trip to Italy (Florence and Rome), May-June 1979; travel in Federal Republic of Germany, December 1979. Paul Hain, Associate Professor, sabbatical leave, spring 1979. Peter Lupsha, Associate Professor, sabbatical leave, 1979-1980 academic year, for research on the linkages of the political system and organized crime. Martin Needler, Professor, participated in Friendship Force trip to Korea and Sister Cities visit to Sasebo, Japan, June 1979; research trip to Cuba, July 1979.

3. Scholastic Honors, Fellowships. Martha Good, Assistant Professor, research trip to Italy funded by Research Allocations Committee Grant. Paul Hain, Associate Professor, as Guest Scholar at the University of Texas at El Paso, April 1979, presented the Faculty Development Seminar. Martin Needler, Professor, included in Personalities Caribbean, 7th ed. (Jamaica).

4. Publications.F. Chris Garcia, Professor

Co-author, State and Local Government in New Mexico (Albuquerque, New Mexico: University of New Mexico Press, 1979).

Martha Good, Assistant Professor

Review of William Safran, The French Polity, in Political Science, Vol. 31, no. 1 (July 1979), 81-82; Review of Franco Cazzola, Il Sistema Politico dell'Italia Contemporanea, in Conference Group on Italian Politics, Newsletter, no. 4 (January 1979), 6-7.

Paul Hain, Associate Professor

Co-author, State and Local Government in New Mexico (Albuquerque, New Mexico: University of New Mexico Press, 1979; "New Mexico: A Cross-Party Coalition" (Research Note), Comparative State Politics Newsletter, October 1979, p. 17.

Peter Lupsha, Associate Professor

Poem: "Poster Boy in La Cañada Canyon," New Mexico Independent, January 18, 1979; Poem: "Dog Bite in Magdalena," ibid., August 31, 1979; Editorial essay ("Dimension"): "Organized Crime Commission Worth Keeping," Albuquerque Journal, June 10, 1979.

Martin Needler, Professor

"The Logic of Conspiracy: The Latin American Military Coup as a Problem in the Social Sciences," Studies in Comparative International Development, Vol. XIII, no. 3, 28-40; "Los 'Turcos' al Poder," El Caribe (Santo Domingo), August 6, 1979; Book reviews in the American Political Science Review, March 1979, and the Hispanic American Historical Review, August 1979; "Mexicans Begin to Study Border Problems," syndicated by the New Mexico Humanities Council in about ten newspapers, October and November 1979.

James L. Ray, Associate Professor

Global Politics (Boston: Houghton Mifflin, 1979); Reprint of "Measuring the Concentration of Power in the International System," with J. David Singer, in J. David Singer (ed.), Explaining War: Selected Papers from the Correlates of War Project (Beverly Hills: Sage Publications, 1979); Review of Elihu Katz and George Wedell, Broadcasting in the Third World, in Social Science Quarterly, March 1979; Review of Robert L. Butterworth, Moderation from Management, in American Political Science Review,

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4. James L. Ray, Associate Professor (continued)

September 1979; "The Measurement of System Structure," in J. David Singer (ed.), Correlates of War II: Testing Some Realpolitik Models (New York: Free Press, 1979); co-author, "Structural Disparities in Latin America and Eastern Europe, 1950-1970," Journal of Peace Research, December 1979.

Karen L. Remmer, Associate Professor

"Pinochet's Chile," Worldview, October 1979, pp. 36-40; co-author, "Mobilization and Demobilization in Latin America: The Role of Bureaucratic-Authoritarian Regimes," in John J. Brasch (ed.), 1979 Proceedings of the Rocky Mountain Council on Latin American Studies Conference (Lincoln, Nebraska: University of Nebraska Press, 1979), pp. 249-255; Review of Natalio Botano, El Orden Conservador: La Política Argentina entre 1880 y 1916, in Hispanic American Historical Review, November 1979; Review of John A. Booth and Mitchell A. Seligson (eds.), Political Participation in Latin America, in Journal of the Developing Areas, October 1979; Review of Barbara Stallings, Class Conflict and Economic Development in Chile, 1958-1973, in South Eastern Latin Americanist, September 1979.

Harold Rhodes, Associate Professor

Co-author, State and Local Government in New Mexico (Albuquerque, New Mexico: University of New Mexico Press, 1979); Review of Adams and Schreiber, Television Network News, in Journal of Politics, February 1980.

Jay B. Sorenson, Professor

"Preliminary Indicators of the Public Acceptance of Risk," prepared for the Special Projects Division, Sandia Laboratories, 06-7480, May 1979; co-author, "Potential Environmental Policy Constraints on the Development of New Mexico Uranium Resources," Sandia 77-1337, Sandia Laboratories, December 1979.

5. Other Research in Progress.F. Chris Garcia, Professor

"Chicano Politics," in Dictionary of Mexican American History, pub. sched. 1980 by Greenwood Press; "Teachers' and Students' Guide," an instructional aid to accompany State and Local Government in New Mexico; Continued work on book on "U.S. Politics and Education"; Continued research on the political cultures of New Mexico.

Martha Good, Assistant Professor

"The Italian Communist Party and Local Government Coalitions," revised and accepted for publication in Studies in Comparative Communism; Authored Pilot Grant Proposal (European Studies Program) submitted to National Endowment for the Humanities for \$47,000; In progress: article on Italian Communist local government administration, 1921-1922.

Paul Hain, Associate Professor

Continued study of politics and political careers.

Fred R. Harris, Professor

Completed work on introductory American government text for college, America's Democracy (for January 1980 pub. by Scott Foresman); Research on politics of Mexico in preparation for new course on U.S. Mexican relations; Research on modern democratic theory for lectures at the University of Oklahoma and before the Kansas Political Science Association.

Peter A. Lupsha, Associate Professor

In progress: book on "Organized Crime in America," under contract with Prentice-Hall; "American Values and Organized Crime: Suckers and Wiseguys," in Sam Girgus (ed.), Myth, Popular Culture, and the American Ideology (forthcoming, UNM Press). Article, "Steps Toward a Strategic Analysis of Organized Crime," accepted for publication in The Police Chief, (forthcoming); Article, "The Legislature 1980: Further Reflections of a 'Fly on the Wall'," accepted for publication, Impact, (forthcoming); Article, "Choice, Culture and Organized Crime," under review by Criminology: An Interdisciplinary Journal; Article, "Mobs and Myths: A Requiem for La Cosa Nostra," under review by Journal of Crime and Delinquency; Article, "Drug Trafficking in the Borderlands: Its Impact on North/South Relations," (with Kip Schlegel), under review by Journal of Inter-American Studies and World Affairs; Research paper, "On Definitions and Directions in the Analysis of Organized Crime," in progress; Research paper, "Crime, Politics and Political Science," in progress; Research paper, "Narcotics Trafficking and Illegal Cash Flows: The Mexican and Colombian Connections in Comparative Perspective," in progress; Research project, Computerized Social Network Analysis Modeling of Patterns of Relationship in an organized crime family and its operations. (Assisted by Prof. Cleve Moler (Math & Stat.) and Robert U. Anderson, Div. of Government Research), in progress and search of funding.

Martin Needler, Professor

Article completed: "Sounding the Retreat: The Military Withdrawal from Power in South America"; Paper completed: "The Political Context of Mexican Policy on Mineral Extraction"; Co-authored article completed: "Origins of Ecuador's Oil Policies"; Book reviews solicited by the Western Political Quarterly and the Journal of Interdisciplinary History completed; Work begun on co-authored book, "Panama: A Country Study."

James L. Ray, Associate Professor

An application to the Harry Frank Guggenheim Foundation for a research grant: "Economic Dependency and Domestic Political Violence in Latin America"; A paper for the next annual convention of the International Studies Association entitled "Economic Dependency and Domestic Political Violence in Latin America"; A paper entitled "Dependency, Political Compliance, and Economic Growth in Latin American and Eastern Europe," to be submitted to the 1981 Sage International Yearbook of Foreign Policy Studies.

Karen L. Remmer, Associate Professor

"Public Policy and Regime Consolidation: The First Five Years of the Chilean Junta," Journal of the Developing Areas (forthcoming); "Political Demobilization in Chile, 1973-1978," Comparative Politics (forthcoming); "Bureaucratic-Authoritarianism Revisited," (with Gilbert W. Merkx) (submitted for publication).

Ivory T. Robinson, Assistant Professor

Book submitted for publication: The Theory of Value: A Contrast of the Notion of Value in the Writings of Locke and Marx; Essay submitted for publication: "Alienation: An Analysis of Species Being in Marx's Early Works."

Philip G. Roeder, Assistant Professor

Completed: "Catharsis of Choice: Logic of Political Violence," (to be delivered 1980 Western Political Science Convention; submitted to American Political Science Review); In Progress, Revolting Peasants: The Role of the Peasantry in Twentieth Century Revolutions, manuscript to be completed January, 1980 and submitted (as requested) to University of California Press.

Robert J. Sickels, Professor and Chairperson

Completed work on The Presidency, scheduled for publication January 1980 by Prentice-Hall, Inc.

Jay B. Sorenson, Professor

Research project-the creation of a new methodological tool for political scientists by merging risk analysis models with weapons safeguard models; SALT II Evaluation Paper for Sen. Domenici's Technical Advisory Committee Research on Mine Dewatering Legislation for article in Natural Resources Journal; "The Gasoline Crunch of 1979: A NM Profile," Report for Energy Consumers of New Mexico, December 1979 (possible publication in 1980); Special Projects Division, Sandia Laboratories, "Occupational and Environmental Hazards: Regulatory Procedures and Public Attitudes," \$8,469, November, 1978-May, 1979, REF # 06-7480.

Harry P. Stumpf, Professor

Text proposal, American Judicial Politics.

6. Activities in Professional SocietiesF. Chris Garcia, Professor

"Attitudinal Environments and Collective Representation," paper presented for delivery at 1979 Annual Meeting of the Southwestern Social Science Association (co-authored); Panelist, Workshop on Humphrey-Hawkins legislation, National Conference on Jobs for Hispanic Americans, July 30-August 2, 1979, Albuquerque; Panel Discussant, "Public Opinion and Voting," Western Social Science Association, April 27-29, 1979, Lake Tahoe, Nevada; Panel Participant, "Elite Actors: Influence and Attitudes," Paper presented: "Environmental Attitudes and Collective Representation," Southwestern Political Science Association, March 30, 1979, Fort Worth, Texas; Panel Discussant, "Biases in American Government Textbooks," Western Political Science Association, March 22-24, 1979, Portland, Oregon; Chairman, Ad Hoc Committee to Study the Relationship between the Western Political Science Association and the Western Political Quarterly, to March 1979; Attended regional meeting of Academic Affairs Administrators (ACAFAD), March 15; Consultant on Political Science section, National Teachers Examination in the Social Studies, Educational Testing Service, Princeton, New Jersey; Consultant on Government and Civics Education, Scholastic Social Studies textbook series, grades 1-6; Continued as Editorial Board Member for P.S., quarterly publication of American Political Science Association; Continued as member of the Pre-collegiate Education Committee of the American Political Science Association; Completed term as (ex officio) member of Executive Council of the Western Political Science Association, presented report on "The Relationship of the Western Political Quarterly to the Western Political Science Association" at annual meeting of the WPSA in Portland, Oregon.

Martha H. Good, Assistant Professor

Attended Convention of American Political Science Association, August 1979, Washington, D.C.

Paul L. Hain, Associate Professor

"Cycles of Election & Risk: Nonobvious Skewing of the Political Opportunity Structure" (with Manuel Avalos). Paper presented at the Western Social Science Association annual meeting, Lake Tahoe, NV.

Fred R. Harris, Professor

Discussant, "The Results of Party Reform," panel of the American Political Science Association, Washington, D.C., August 31, 1979; Discussant, "Changes in the Presidential Nomination Process," panel, Southern P.S.A., Gatlinburg, TN, November 2, 1979.

Peter A. Lupsha, Associate Professor

Paper read, Western Social Sciences Association Meeting, Lake Tahoe, CA, "Mobs and Myths: A Requiem for La Cosa Nostra," (April 26-28, 1979); Paper read, Latin American Association Annual Meeting, Pittsburg, PA, "Drug Trafficking in the Borderlands: Its Impact on North/South Relations," (April 5-9, 1979) (with Kip Schlegel); Paper read, Biennial Meeting of the American Studies Association, Minneapolis, MN, "What's American About American Crime?" (September 28-30, 1979); Panel discussant, Rocky Mountain Latin American Association Meeting, El Paso, TX (May 4-6, 1979); Panel discussant, National Conference on Organized Crime, University of Southern California, Los Angeles, CA (Nov. 7-9, 1979); Attendee, Inter-university Consortium for Latin American Studies Meeting, New Mexico State University, Las Cruces, NM (November 2-3, 1979).

Martin C. Needler, Professor

Attendance and program participation: National Advisory Board, Border Research Program, Austin, February; Conference on Latin America and the United States, University of Miami, March; National Meeting, Latin America Studies Ass'n, Pittsburg, April.

James L. Ray, Associate Professor

"Cumulation, Frustration, and Dependency Theory," presented at the 1979 Convention of the International Studies Association, Toronto, Canada.

Karen L. Remmer, Associate Professor

Co-President, Rocky Mountain Council on Latin American Studies; Chairperson, Panel Session on Post-Coup Chile, Latin American Studies Association, conference in Pittsburgh, April 1979; Military Rule and Political Demobilization in Latin America," paper presented at the American Political Science Association conference, Washington, D.C., August 1979.

Ivory T. Robinson, Assistant Professor

Organized panel for WPSA, "Third World Ideology,"; Chairman, Committee for the Status of Blacks, Western Political Science Association.

Jay B. Sorenson, Professor

Western Social Science Association, Annual Meeting, Lake Tahoe, Chaired panel on Vietnam War; South Western Political Science Association, Ft. Worth, paper: Uranium Mining & Milling & Environmental Protection: Mitigation of Regulatory Problems.

Harry P. Stumpf, Professor

Panelist, "Welfare Application Processes," Annual Conference, National Legal Aid and Defender Association, Albuquerque, NM, November 4, 1979.

7. Other Professional Activities

F. Chris Garcia, Professor

Address on opinion survey research to Albuquerque Area Hospital Public Relations Council, annual meeting of N.M. Hospital Association, October 17; Presentation to "Law for Living Project" summer workshop, June 11, 1979; Judge of N.M. High School Mock Trial Competition finals, May 8; Presentation of a "Concern Clinic" on "Politics in New Mexico," for AWARE (American Women as Responsive Electors), February 21; Training session on "Political Socialization of American Indian Children," Americans for Indian Opportunity, February 9; Consultant, Scholastic Social Studies Textbook Series, grade 1-6, June-October; Consultant, National Teachers Examination (Social Studies), Educational Testing Service, Princeton, New Jersey, April-December; N.M. State Department of Education, Task Force in High School Civics Education, through April; Refereed reviews of 10 manuscripts submitted for publication in The Social Science Journal (2), the Western Journal of Speech Communication (1), the Social Science Quarterly (1) and the Western Political Quarterly (6); Reviewed grant proposal submitted to the National Endorsement for the Humanities; Served as member of review panel for Public Service Education Training Grants, Office of Education, Washington, D.C.

Paul L. Hain, Associate Professor

Consultant, Zia Research Associates.

Fred R. Harris, Professor

Guest Lecturer, "Let's Not Give Up on Democracy; a Normative Approach to Democratic Theory," Kansas Political Science Association, KU, October 19, 1979; Guest lectures on state legislatures, contemporary international relations issues, and modern democratic theory, University of Oklahoma, March 22, 1979.

Peter A. Lupsha, Associate Professor

Lecturer on Organized Crime: Criminal Justice Studies Program, University of Albuquerque, Feb. 9, 10, 1979; Caravan Club, Ballut Abyad Temple, Albuquerque, February 5, 1979; Rotary Club, Farmington, N.M., February 22, 1979; New Mexico Crime and Delinquency Council, August 10, 1979; New Mexico State Police Academy, November 26, 30, 1979; Organized Crime lecture, UNM Sociology department Criminology class, December 4, 1979; Urban Values and Social Change Lecture, UNM Continuing Education Department, "Issues for the 1980's" conference, February 14, 1979; TV Interview: "Albuquerque Now," KNME-TV, July, 1979; TV Interview: "Anatomy of An Election," KNME-TV, August, September, 1979; Organized Crime Consultant: Governor's Organized Crime Prevention Commission; Urban Issues Research Consultant: TV series, "Albuquerque Now" (Spring-Summer, 1979).

Martin C. Needler, Professor

Lectures: Foreign Service Institute - University of Washington, Eastern Washington University, UCLA; Consultant, NEH Research Materials Program.

James Lee Ray, Associate Professor

Spoke to the Rotary Club in Farmington, NM, April, 1979, on Iran and the Middle East; Several interviews with KRKE radio, KGGM, Channel 13, and KOB Channel 4, November, December, 1979, on the Iranian crisis; Refereed several papers for International Studies Quarterly, and Journal of Conflict Resolution.

Harold V. Rhodes, Associate Professor

Producer (co-producer), writer, anchor, 38 television productions, including 32 programs in the series Albuquerque: Now and 6 special programs including 3-part series on municipal politics (Anatomy of An Election), KNME-TV, Albuquerque (PBS), 1978-79.

Jay B. Sorenson, Professor

Participated in SALT II Conference, Denver University, Nov. 23, 1979; Member at Large, NM Water Quality Control Commission; Member of Sen. Domenici's SALT II Technical Advisory Committee; Consultant-DOI, San Juan Basin Regional Uranium Study, Energy Consumers of New Mexico and Sandia Laboratories; Participant in Geothermal Conference sponsored by New Mexico Energy Institute, Las Cruces, September 7-8 (in Albuquerque).

8. Non-teaching University ServicesF. Chris Garcia, Professor

Associate Dean, College of Arts and Sciences; Committee on Living-Learning Environment, Chair, Subcommittee on Survey Research, Co-Chair, Committee, September 1979; Associate Dean, College of Arts and Sciences; Committee on Presidential Scholars; UNM- Albuquerque High Schools Liaison Committee; Minority Concerns Committee; UNM-TVI Joint Educational Needs Assessment Committee Survey Subcommittee; Search and Screening Committee for Assistant Dean, College of Fine Arts; Admissions and Registration Committee; Ad Hoc Committee on Outstanding Teacher Award; Ad Hoc Advisory Committee on Faculty Development; Elementary Education Multidisciplinary Doctorate Committee; A & S Committee on Interdisciplinary Majors; A & S Student Advisory Committee Coordinator.

Martha H. Good, Assistant Professor

European Studies Committee, member of executive committee; Department Graduate Committee, member; International Affairs Committee, member; Department Library Liaison.

Paul L. Hain, Associate Professor

Executive Committee, Political Science Department; Advisor to undergraduate and graduate students.

Fred R. Harris, Professor

Executive Committee, Political Science Department Spring, 1979; UNM Undergraduate Committee, Political Science Department, Spring and Fall, 1979; Prospective-student caller, UNM, 1979.

Peter A. Lupsha, Associate Professor

Member: Faculty Research Policy Committee, UNM, IARS Faculty Advisory Committee, UNM; Member: Dean's Arts and Science Graduate Committee, Spring 1979; Chairman: Department Graduate Committee, Spring 1979.

Martin C. Needler, Professor

School Relations Outreach Program (recognition award), Regents Workshop; UNM Committees-Campus Planning and Architect Selection Subcommittee, A&S Promotion; Latin American Institute Committees-Policy, Budget, Director Search, Academic Programs, Mexican Relations.

James Lee Ray, Associate Professor

The Library Committee of the Latin American Institute; Graduate Advisor, Political Science Department; Faculty Senate Curricula Committee; The Arts and Sciences Graduate Committee (and the curriculum subcommittee of the Arts and Science Graduate Committee).

Karen L. Remmer, Associate Professor

Inter-American Foundation Fellowship Screening Committee; Alternate-Latin American Faculty Concilium; Political Science Dept. Executive Committee.

Harold V. Rhodes, Associate Professor

Chairman, UNM Basic Skills Curriculum Committee, 1978-79; Member UNM Press Committee, 1977-Present; Member TV/Film Coord. Committee, UNM, 1979-Present; Member A&S Dean's Search Committee, 1979.

Philip G. Roeder, Assistant Professor

Undergraduate program-curriculum development in Political Science.

Robert J. Sickels, Professor and Chairperson

Department chairman, member of Senate and Budget Review Committee.

Jay B. Sorenson, Professor

Faculty Advisor, UNM Mountain Club.

Harry P. Stumpf, Professor

Chairperson, Committee on Policy and Curriculum, College of Arts and Sciences

9. Public ServiceF. Chris Garcia, Professor

Address on opinion survey research to Albuquerque Area Hospital Public Relations Council; Presentation to "Law for Living Project" summer workshop; Judge of New Mexico High School Mock Trial Competition finals; Presentation of a "Concern Clinic" on "Politics in New Mexico" for AWARE (American Women as Responsive Electors); Training Session on "Political Socialization of American Indian Children," Americans for Indian Opportunity; Task Force on High School Civics Education, New Mexico State Department of Education.

Martha H. Good, Assistant Professor

Silver Hill Neighborhood Association, Board of Directors; Democratic Party, Bernalillo County Central Committee and Precinct Committeewoman; American Association of University Women, Legislative Committee.

Paul L. Hain, Associate Professor

Vice Chairman, Albuquerque Airport Advisory Board; Cubscout and church activities.

Fred R. Harris, Professor

Guest host, fundraising pledge night, KNME-TV, Albuquerque.

Peter A. Lupsha, Associate Professor

Member of the Board-New Mexico Crime and Delinquency Council; Member-Albuquerque Council on Foreign Relations; Secretary-Precinct #153, Democratic Party, Bernalillo County.

Martin C. Needler, Professor

Friendship Force; Sister Cities; Assistant Coach, Youth Soccer; Consultant N.M. Border Commission.

Harold V. Rhodes, Associate Professor

Member Board Directors, Neighborhood Housing Services, Albuquerque; President Silver Hill Association, Albuquerque; Member Downtown Neighborhood Association.

Robert J. Sickels, Professor and Chairperson

Legislative liaison for Common Cause.

Jay B. Sorenson, Professor

Sierra Club, Executive Committee; Open Spaces Task Force, City of Albuquerque (Vice Chairperson); Albuquerque Committee on Foreign Relations (former chairperson); Prepared legislation or assessments of legislation for NM legislators on-minedewatering, Sagebrush Rebellion, uranium taxes; Lobbied for Albuquerque to help acquire the Elena Gallegos as part of the city's open space area.

The Report of the Department of Psychology
July 1, 1979 - June 30, 1980
Henry C. Ellis, Chairman

Introduction and Summary. This was again a productive and successful year for the department of psychology. We hired three new faculty members to fill vacancies created by resignations and a retirement. With four people leaving we have a net loss of one. Our long-time office manager, Mrs. Orth, retired and candidates for her replacement are being interviewed. No major changes were made in our undergraduate and graduate programs; these were reviewed extensively three years ago. The department continues with the four basic areas of clinical, learning, psychobiology, and developmental. The department continues its strong honors program. The department continues its effort to recruit women and minority graduate students. Despite a large number of undergraduate majors, advising continues to be very effective. We did not have an exchange with Hawaii this year but will continue the UNM-Hawaii faculty exchange program. We continued to emphasize the strong research orientation of the department which has enabled us to achieve national/international recognition and prominence.

Critical needs of the department include additional space, a departmental clinic, substantial increase in TA support, enhanced staff-secretarial support in view of our extensive use of soft money, and better support for travel. A departmental building committee will begin meetings with the university architect in the fall of 1980 to discuss plans for a new departmental clinic in accordance with guidelines noted by the department, Provost and Dean. We lost one replacement position this year but anticipate that it will be filled next year. Our strong effort to obtain additional TA and secretarial support will continue.

Major plans for 1980-81 include an assessment of departmental goals and objectives over the next five years. A committee will prepare a set of goals and objectives for the department which will be presented to the department for approval in the spring of 1981. The committee will focus on major topics such as area priorities, faculty staffing needs, recruitment of graduate students, placement of graduate students, and other high priority issues.

I. General Department Information

A. Undergraduate Education. At the undergraduate level, the department handled a total enrollment of 3,428 students in introductory lectures (of whom 947 participated in the optional additional laboratory hour), and 3,279 in advanced courses (of whom 77 participated in the advanced laboratory courses). The final figures for graduating majors and minors in Psychology for 1979-80 are not yet available. Departmental honors were awarded: Margo Boring, Ellen Edwards, Mary Rose Gutierrez, Kim Hedrick, Cecile Krinski, Steven Raney, Richard Serna, Lee Stapp and Diann Warren.

The department offered honors sections of both Psychology 101 and 102. Special no-credit discussion sections were again offered on a volunteer basis in conjunction with introductory psychology. In addition, we continued our special enrichment program in conjunction with introductory psychology. No substantive changes were made in the undergraduate program, but it is under steady review in relation to educational needs, the personnel available, and student interests. The program is sound and well-designed, and the major problem is offering sufficient sections of the most popular courses to accomodate the demand.

B. Graduate Education. At the exclusively graduate level, the department

handled a total enrollment of 361 distributed among 62 registered students. These figures represent a continuation of our policy of restricting graduate enrollment within a 3:1 student/faculty ratio.

The Master's Degree was conferred upon 8 candidates: Michael Boyeson, Samuel Charlton, Robert Colby, John Forester, Ricardo Gonzales, Deborah Harrington, Richard Linn, and Douglas Taylor.

The Doctoral Degree was conferred upon 6 candidates:

Susan Elaine Roden Cave Adviser: Samuel Roll	Evaluation of level of stress and group cohesiveness in the wilderness experience using the MMPI and sociograms
Paula Trotter Hertel Adviser: Henry C. Ellis	The role of the schema as indicated by interference effects in memory
William C. Howard Adviser: Douglas P. Ferraro	Acquisition and transfer of a response sequence task in monkeys
Robert T. Nullmeyer Adviser: G. Robert Grice	The effects of stimulus intensity and preknowledge on simple and choice reaction time
Gale Sutton Adviser: Peder J. Johnson	Stricken trial evidence and the jury
Sherman W. Tyler Adviser: Henry C. Ellis	The optimization of text processing: The potential role of advance information and a specific reading comprehension model

A longstanding problem for our graduate program is financial aid for our graduate students. Our budgeted support for 1980-81 remains at the 1972-73 level of support. For the past four years we have received 2-4 additional TA's, but these increases were always temporary. While these increases were appreciated the department needs a permanent increase of 4-8 additional TAs. Psychology is significantly undersupported in TAs relative to other laboratory science departments. This is a longstanding problem and should be corrected soon. I have requested to the Dean and Provost that a reasonable increase in TA support be provided for next year.

We were able to provide some support for many of our students, with 14 as teaching assistants, 8 as research assistants, 14 as NIMH trainees, 4 APA minority fellowships, and 2 with tuition scholarships. Local clinical facilities support 2 other students. Although the clinical training grant was funded it was not approved for 1980-81. The loss of 6 support positions from this grant represents a serious loss to the program.

C. Faculty. The faculty of the department numbered 27 during the 1979-80 academic year, composed of Professors Benedetti, Ellis, Feeney, Ferraro (sabbatical leave, Spring 1980), Grice, Johnson (sabbatical leave, 1979-80), Koenig (sabbatical leave, 1979-80), Logan, Norman, Rhodes, Rosenblum and Ruebush; Associate Professors Friden, Gluck, Gordon, Harris, and Roll; and Assistant Professors Brecht, Delaney, Goetz, Harnick, Hodge, Katz, Miller, Padilla, Parsons, and Ritchey. Of these, Benedetti served as Acting Dean of the Office of Graduate Studies, Norman served as Associate Dean of the College of Arts and Sciences, and Ruebush's primary commitment remained with the Department of Psychiatry. Our faculty FTE was 24.78, not recognizing leaves or sabbaticals. Dr. Roll was promoted to Professor, and Dr. Miller was promoted to Associate Professor. Professor Mark Brecht was awarded the Ph.D. from Johns Hopkins University. Cecil Rogers and Al Federovicius served as part-time faculty members.

Affiliated faculty during the year were: Professors Lester Libo and Mary Harris, Assistant Professors Philip Day and Louis Wynne; as well as Adjunct Associate Professor Joseph Schenkel; Adjunct Assistant Professor Kathleen Haaland; and Clinical Assistant Professors Joseph Cardillo and Donald Flammer.

Professor Ralph Norman retired after thirty-one years with the department. We all wish him well in his retirement. Assistant Professors Frances

Harnick and Norman Katz have resigned as of May, 1980, and Assistant Professor Parsons completed his terminal year. New faculty who will join the faculty in 1980-81 are Assistant Professors Michael Dougher, Ph.D. expected, University of Illinois (Chicago), Kevin O'Grady, Ph.D. expected, University of Connecticut, and Jean Newman, Ph.D. expected, University of Toronto.

D. Colloquia. Distinguished speakers in our colloquium series during the year included: Thomas Bennett (Colorado State University), Diana Davis (University of Oklahoma), Joan Freeman (University of Manchester, England), Charles Golden (University of Nebraska Medical Center), Robert Hicks (University of Lethbridge, Alberta, Canada), Steven Maier (University of Colorado), Edward Mueller (Boston University), Amado Padilla (University of California, Los Angeles), and William Whitten (SUNY-Albany).

In addition, Kevin O'Grady, Margie Lachman, Jean Newman, Beth Meyerowitz, Tracy Sherman, Albert Farrell, Michael Dougher, Thomas Power, and David Newlin were interviewed for faculty positions and all gave colloquium presentations. Overall, this important adjunct to our regular programs was invaluable in adding breadth of exposure. What is needed most in this context is to involve more of our local people, particularly affiliated faculty, in this program. We regret that, in the course of fiscal retrenchment, our modest colloquium budget was abolished for 1980-81.

E. Research. The department continued to be productive in its research efforts. We published 48 major articles or monographs; gave 73 lectures, workshops, or reports; and garnered \$218,487 in extramural support.

The department is engaged in a wide range of research activities which can be only briefly noted here.

Research in human learning, memory, and cognition includes work on visual and verbal elaboration of verbal materials in the context of a Markov

model of learning as well as studies of individual differences in learning and memory. In addition, studies of coding and organization in memory, constructive processes in memory, and depth of processing are being conducted. At the level of conceptual behavior we are doing research into the way humans learn rules and apply them. At another level we are carrying on studies of simple and choice reaction time. In human factors, we completed studies of conference behaviors. Extensive research in animal learning and behavior, psychopharmacology, and physiological psychology was conducted. Studies of the effects of hormones on brain functioning and eating and drinking, and locomotor behaviors were conducted. Studies of animal discrimination learning, short-term interference in retention, sensory preconditioning, aversive control, and dominance in animals were continued as part of long-term research programs. There is work being done on the effects of drugs on behavior, including long-term effects of drugs on complex processes. Studies of observational behavior are being reported. Studies of the effects of early experience on subsequent adult behavior are being conducted with a focus toward identifying procedures which might reduce the traumatic effects of early deprivation. In addition, drug studies with epileptics were continued with an emphasis on identifying drugs which might suppress the cortical activity associated with epilepsy. Similarly, we were involved in studies of flashed evoked potentials as they related to migraine headache, and in studies of sleep.

Other studies focused on clinical, developmental, educational, and social psychology. Research on the behavioral treatment of problem drinkers and alcoholism was continued, which included a clinical facility to deal with the problems of those who drink excessively. Reports on the role of paraprofessionals in mental health services were reported. Another area is research

into hypnotic effects and various instructional procedures affecting hypnotic behavior. A project in the treatment of depression was continued, as was a project on infant imitation and play. Studies in attribution and learned helplessness were initiated. Applied research in child development focused on individual instructional procedures and self-control in preschool children. Our faculty studies the role of dreams, adolescent male's feelings of being understood by their fathers, and the importance of humor in normal behavior. We have long been involved in evaluating the effectiveness of behavior therapy using conditioning procedures. Studies in cross-cultural psychology and ethnic differences in personality were initiated. Studies of social class and ethnic factors in clinical judgments were conducted. We continue to work on grading practices and teacher evaluation. Studies in experimental social psychology continue with an emphasis on quantitative models in social psychology.

While this is only a small account of all the research activities of the department, it is illustrative of the wide range of research interests and activities of this faculty. The richness and diversity of our activities should be apparent and we hope for greater support of these activities in the future.

F. Scientific and Professional Societies. Members of the department continued to play an active leadership role in scientific and professional societies. Prof. Ferraro served as President of UNM's Sigma Xi, President, SWARM Division of the American Association for the Advancement of Science, and Council Member of the Southwestern Psychological Association; Prof. Grice was President of the Division of Experimental Psychology of the American Psychological Association; Prof. Harris served as President of the Southwestern Division of the Society for Multivariate Analysis; Prof. Padilla served as a member of the American Psychological Association Minority Fellowship

Program Committee; Prof. Rosenblum served as Past-Chairman of the New Mexico State Board of Psychologist Examiners; Prof. Roll was appointed to the New Mexico State Board of Psychologist Examiners; and Prof. Ellis served as Past-Chairman of the National Council of Graduate Departments of Psychology, as member of the Council of Representatives of the American Psychological Association, and as liaison member of the Education and Training Board of the American Psychological Association.

In addition, the Psychology faculty continued to play an important role in serving on the editorial masthead of many journals. Serving as regular consulting editors were Profs. Brecht, Ellis, Ferraro, Grice, Harris, Johnson, and Logan.

G. Service. Our service activities continued at a very high level. These included the North Central Association, the Rocky Mountain Psychological Association, the Southwestern Psychological Association, the American Psychological Association, the Society of Experimental Psychologists, the National Council of Graduate Departments of Psychology, the American Association for the Advancement of Science, Agora, the Psychiatric Intern Program, Indian Health Service, Programs for Children, International Neuropsychological Society, Esperanza School, Child Guidance Center, Association of Drinkwatchers, Bernalillo County Head Start, Manzanita Center, Counseling Center, Computer Center, Animal Control Facility, Laguna Pueblo, New Mexico Public Defender's Office, religious organizations, athletic organizations, publishers, cultural organizations, Sandia Base, Albuquerque Roadrunners Club, the New Mexico Science Fair, the New Mexico Psychological Association, the New Mexico Board of Psychologist Examiners, Department of Vocational Rehabilitation, Career Services for the Handicapped, the Veterans Administration, Rio Grande Zoo, hospitals at Las Vegas and Los Lunas, the State Penitentiary, Albuquerque

Public Schools, Albuquerque Academy, and Sandia Preparatory School. All of our faculty were involved in one or more of these functions. In sum, we continue to be highly visible at all levels of service functions.

H. Space. Psychology is in need of additional space. All available space is currently used. We are unable to adequately house faculty except by using an office of a faculty member who will be on sabbatical and by using space currently occupied by office staff. In turn, office staff will be housed in space currently assigned either to graduate teaching assistants or to a heavily-used seminar room.

Research facilities are now occupied to the hilt. Thus, we lack adequate housing for faculty and staff; we are limited to two seminar rooms; we do not have a suitable colloquium room, and our lounge space is used basically as a study room. We anticipate additional space needs for classrooms, offices, and laboratories. We may need space for a psychological clinic. All of these needs indicate that a new two-story building, constructed adjacent to the current building, will be necessary to meet the needs of the department for the next ten years. The department began discussion of new facility needs during 1979-80, and will formalize these in 1980-81.

I. Administration and Support Staff. Henry Ellis served as chairman and Sidney Rosenblum as assistant chairman during the year. All faculty participated in the administration of the department by serving on various departmental committees. I wish to express my appreciation to Sidney Rosenblum for his able assistance and to the faculty in general for its cooperation and support.

Eleanor Orth continued as Office Manager through the year, but is retiring as of June 30. I wish to express my appreciation to Mrs. Orth for her long-time devoted service to the department. During the year, LaNelle

Ruebush accepted a promotion within the University and Anita Sergent was appointed as Department Secretary. Other secretaries serving the department during the year were Joan Block, Patti Gegick, Juliette Lagasse and Jill Ngola. Ector Estrada continued to supervise the animal facilities and Jim Casaus continued as animal technician. Verlin Williams continued as shop supervisor. In addition, during portions of the year, various students served as part-time clerical or lab assistants.

	70-71	71-72	72-73	73-74	74-75	75-76	76-77	77-78	78-79	79-80
Faculty Information										
Voting faculty (total)	17	18	20	20	19	20	24	26	27	27
Professors	7	7	7	8	8	11	11	11	12	12
Associate Professors	5	5	6	6	6	5	5	5	4	5
Assistant Professors	5	6	7	6	5	4	8	10	11	10
Budgeted FTE faculty	14	16.3	18.3	18.3	17.8	19.1	20.87	22.53	24.88	24.78
FTE faculty minus leaves	14	14	16.3	16.3	15.8	18.6	19.87	21.19	23.88	23.28
Faculty turnover (total)	1	0	0	2	1	0	0	1	1	4
Resignations	0	0	0	2	1	0	0	1	1	2
Tenure denials	1	0	0	0	0	0	0	0	0	1
Deaths and Retirements	0	0	0	0	0	0	0	0	0	1
Number of faculty engaged in										
Lower division teaching			11	11	11	11	10	10	19	19
Upper division teaching			14	16	16	18	20	22	23	23
Graduate teaching			16	19	14	19	17	20	22	24
Thesis/dissertation supervision			9	12	14	13	15	19	17	18
Undergraduate Education										
Introductory enrollment	3565	3580	3728	3318	3577	3745	4025	3756	4003	3428
Optional laboratories	1648	1883	1844	1401	1537	1327	1046	1117	1162	947
Advanced enrollment	3324	4019	4749	4902	4424	4059 ^a	3797	3980	3642	3279
Optional laboratories	209	151	159	159	158	163	110	98	116	77
Graduating Majors	70	64	99	107	133	108	84	81	78	78
Graduating Minors	50	31	63	44	71	78	48	66	88	88
Graduate Education										
Graduate enrollment	300	413	459	432	372	362	362	384	391	361
Graduate assistants (budgeted)	11	11	12	13	14	12	12	12	12	12
Graduate assistants (authorized)	13	14	14	13	14	13	16	14	14	14
Research assistants	12	13	14	15	13	12	6	5	4	8
Fellows and Trainees	14	12	11	8	8	9	7	18	19	18
Tuition Scholarships			4	5	4	2	1	2	2	2
Master's Degrees	3	9	7	4	9	7	10	14	10	8
Doctoral Degrees	8	6	5	13	4	7	9	7	6	6
Applications received			250	154	195	250	350 ^b	267	223	149
Offered Admission			36	33	27	55	40	45	45	32
Accepted Admission			20	19	6	13	13	10	17	11
Graduate Students			56	66	56	60	56	51	52	62
Research Activities										
Books and Articles	32	25	29	20	36	26	34	40	28	48
Lectures and Reports	30	35	57	64	61	76	86	92	88	73
Extramural support (000)	\$306	\$284	\$235	\$260	\$300	\$266	\$138	\$197	\$214	\$300
General Information										
FTE Staff	2	2	3	3.3	4.4	5.2	6.3	9.8	9.8	8.8
Department Budget (000)	\$282	\$322	\$359	\$383	\$412	\$467	\$564	\$596	\$671	\$694
Grade Distributions (percent)										
Lower Division (ex labs)										
A			15.4	14.6	16.4	14.5 ^b	13.6 ^d	15.0 ^e	16.4 ^f	45.9 ^h
B			23.5	27.1	25.0	24.3	21.3	24.3	24.6	
C			32.9	36.8	35.3	29.5	30.3	24.6	26.8	25.3
D			8.4	11.0	10.6	13.6	13.8	13.3	12.2	
F			7.1	8.0	8.8	11.0	12.9	16.3	16.0	25.5
CR			4.7	1.4	1.8	-	-	1.8	1.4	
Other			8.0	1.1	2.1	7.1 ^c	8.1	5.7	3.0	3.3
Upper Division (ex labs, prob.)										
A			25.9	30.0	24.7	25.7	25.2	21.0	29.7	62.2
B			27.2	26.3	29.2	30.4	26.6	24.0	25.1	
C			22.1	25.8	27.2	23.1	25.6	28.3	25.6	18.0
D			4.5	6.9	6.3	5.0	5.1	5.4	5.8	
F			4.0	5.9	5.3	3.7	7.0	7.1	6.0	13.4
CR			4.4	2.0	3.3	-	-	1.2	1.8	
Other			11.9	3.1	4.3	12.2	10.5	13.1	6.0	6.3
Graduate (ex prob., thesis, diss.)										
A			64.6	53.2	59.4	44.0	47.7	33.7	36.5	46.7
B			16.1	27.6	26.4	12.8	16.2	20.4	16.7	
C			5.8	4.6	2.4	3.0	2.3	1.2	4.4	4.0
NC			2.7	3.3	1.2	-	-	1.2	3.2	1.3
Other			10.8	11.3	10.6	40.2	33.7	33.5	39.2	48.0

^aActually no decrease--Psy. 201 not included as taught by Math dept.

^bOnly Fall 75 grades used for 75-76 as analyzed by Institutional Research.

^cIncludes CR, W, I, PR, NC.

^dOnly Fall 76 grades included.

^eFall 77.

^fFall 78.

^gTotals not yet available

^hFall 79

January 1, 1979 - December 31, 1979

II. Composite of information requested on individual biographical supplements.

1. Advanced study

Brecht, Mark Allen--Doctoral degree conferred, Johns Hopkins University, Psychology Department, November 1979.

Ferraro, Douglas P.--National Science Foundation, Chautauqua Course "Historical Foundations of Modern Science."

Gluck, John P.--Certification: Clinical Psychologist. New Mexico Board of Psychologist Examiners. License #206.

Ritchey, Gary H.--Post doctoral work in developmental psychology, Sept. 1978 - Aug. 1979 University of Michigan, Ann Arbor, MI.

Ruebush, Britton K.--Completed advanced seminar on Biofeedback Technology and Behavioral Intervention. Albuquerque Child Guidance Center.

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

Feeney, Dennis M.--Attended Scientific meetings in New York, June 25, 1979 and Atlanta, July 7, 1979.

Miller, William Richard--Taught brief summer course for Alberta Alcoholism and Drug Abuse Commission, Calgary. Also taught summer course, "Practical Psychology for Pastors" at Ghost Ranch.

Rhodes, John M.--On sabbatical until Fall semester. Working at Instituto Nacional de Neurologia, Unidad de Investigaciones Cerebrales.

3. New scholastic honors, fellowships, etc.

Delaney, Harold D.--Recipient of an Arts and Sciences "Summer Research Stipend" award.

Ferraro, Douglas P.--Appointment to Drug Abuse Clinical, Behavioral and Psychosocial Research Review Committee of the National Institute on Drug Abuse.

Appointed to National Drug Abuse Council Task Force on Marihuana.

Elected President: UNM Chapter of Sigma Xi, The Scientific Research Society.

Goetz, Therese E.--Biographical data requested for possible inclusion in Who's Who in American Women, 1980.

Hodge, Gordon K.--Membership in Sigma Xi.

Katz, Norman W.--Appointed International Director of Hypnosis Training, Proseminar Institute, San Francisco, California (effective June, 1980).

Miller, William Richard--Distinguished Dissertation Award, Section III, Division 12, American Psychological Association, Honorable Mention, 1979.

Padilla, Eligio R.--National Chicano Council on Higher Education Fellowship.

Roll, Samuel--Awarded joint appointment in the UNM Department of Psychiatry. Nomination to Adjunct Professor at the Union for Experimenting Colleges and Universities.

Rosenblum, Sidney--Appointed Professor of Psychiatry, Department of Psychiatry, School of Medicine, UNM, 1979. Who's Who in the West; Who's Who in Child Development.

4. Publications

- Delaney, Harold D.--Parsons, J. A., & Delaney, H. D. Effects of unit-quiz mastery criteria on student performance. Journal of Personalized Instruction, Winter 1978, 3, 225-228. (Published after Dec. 31, 1978)
- Delaney, H. D., & Logan, F. A. Item similarity and proactive interference in short-term memory. Bulletin of the Psychonomic Society, 1979, 14, 288-290.
- Ellis, Henry C.--Ellis, H. C., Bennett, T. L., Daniel, T. C., & Rickert, E. J. Psychology of Learning and Memory. Monterey: Brooks-Cole (Division of Wadsworth), 1979, 485pp.
- Ellis, H. C., Coggin, J., & Parente, F. J. Human memory and learning: The processing of information. In M. E. Meyer (Ed.), Foundations of contemporary psychology. New York: Oxford University Press, 1979, 327-358.
- Tyler, S. W., Hertel, P. T., McCallum, M. C., & Ellis, H. C. Cognitive effort and memory. Journal of Experimental Psychology: Human Learning and Memory, 1979, 5, 607-617.
- Hertel, P. T., & Ellis, H. C. Constructive memory for bizarre and sensible sentences. Journal of Experimental Psychology: Human Learning and Memory, 1979, 5, 386-394.
- Cosden, M. A., Ellis, H. C., & Feeney, D. M. Cognitive flexibility-rigidity, repetition effects, and memory. Journal of Research in Personality, 1979, 13, 386-395.
- Parente, F. J., Grah, C. R., & Ellis, H. C. Study guide for the psychology of human learning and memory. Monterey: Brooks-Cole (Division of Wadsworth), 1979, 220pp.
- Feeney, Dennis M.--Marihuana and Epilepsy. Paradoxical Anticonvulsant and Convulsant Effects. In Marihuana: Biological Effects. G. G. Nahas and W. D. M. Paton, (Eds.), Reprinted in Advance in Biosciences, Oxford: Pergamon Press, 1979, 17, 18, 643-657.
- The prediction of post-traumatic epilepsy: A mathematical approach. Archives of Neurology, 1979, 36, 8-12. Co-author: A. Earl Walker.
- Detection of lead exposure by visual evoked response latency. Physiological Psychology, 1979, 7, 143-145. Co-authors: B. S. Longo, M. Cosden, H. Fenick, & R. Padich.
- Sensory neglect after lesions of substantia nigra or lateral hypothalamus: Differential severity and recovery of function. Brain Research, 1979, 178, 329-346. Co-author: C. S. Wier.
- Cognitive flexibility-rigidity, repetition effects, and memory. Journal of Research in Personality, 1979, 13, 386-395. Co-authors: M. A. Cosden & H. C. Ellis.
- Focal laceration and contusion of rat cerebral cortex. Neuroscience Abstracts, 1979, 5, 510. Co-authors: H.M. Murray, M. G. Boyeson, & R. T. Linn.
- Ferraro, Douglas P.--"Acute Effects of Marijuana on Human Memory and Cognition" in R. C. Peterson (Ed.), Marihuana Research Findings. U. S. Government Printing Office, 1979.
- Behavioral Pharmacology and the Stimulus Control of Behavior. Revista Mexicana de Análisis de la Conducta, 1979, 5, No 2.
- Psychology Reader: An edited compilation of psychology readings. Ginn and Company, 1979, 255pp.

4. Publications (cont.)

- Gluck, John P.--Gluck, J. P. The intellectual consequences of early social restriction in rhesus monkeys. (*Macaca mulatta*). In G. Ruppenthal (ed.), Advances in primatology: Nursery care of nonhuman primates. New York: Plenum, pp. 253-267.
- Gordon, William C.--Gordon, W. C. Age: Is it a constraint on memory content? In N. E. Spear and B. A. Campbell (Eds.), Ontogeny of learning and memory. Hillsdale, N. J.: L. E. Erlbaum Associates, 1979, 271-287.
- Gordon, W. C., Smith, G. J., & Katz, D. S. Dual effects of response blocking following avoidance learning. Behavior Research and Therapy, 1979, 17, 479-487.
- Feldman, D. T., & Gordon, W. C. The alleviation of short-term retention decrements with reactivation. Learning and Motivation, 1979, 10, 198, 210.
- Gordon, W. C., Frankel, S. W., & Hamberg, J. M. Reactivation-induced proactive interference in rats. American Journal of Psychology, 1979, 92(4), 693-702.
- Ferraro, D. P., Gluck, J. P., Gordon, W. C., Hodge, G. K., & Parsons, J. A. (Eds.), The Introductory Psychology Reader. Lexington, MA: Ginn Custom Publishing, 1979.
- Grice, G. Robert--Grice, G. R., Spiker, V. A., & Nullmeyer, R. Variable criterion analysis of individual differences and stimulus similarity in choice reaction time. Perception & Psychophysics, 1979, 25, 353-370.
- Grice, G. R., Nullmeyer, R., & Spiker, V. A. Stimulus intensity effects between and within subjects in auditory reaction time: A variable criterion analysis. Bulletin of the Psychonomic Society, 1979, 14, 143-145.
- Grice, G. R., Nullmeyer, R., & Schnizlein, J. M. Variable criterion analysis of brightness effects in simple reaction time. Journal of Experimental Psychology: Human Perception and Performance, 1979, 5, 303-314.
- Grice, G. R., & Spiker, V. A. Speed-accuracy tradeoff in choice reaction time: Within conditions, between conditions, and between subjects. Perception & Psychophysics, 1979, 26, 118-126.
- Harris, Richard J.--Harris, R. J. & Joyce, Mark A. What's fair? It depends on how you phrase the question. Journal of Personality and Social Psychology. 1980, 38, 165-179.
- Hodge, Gordon K.--Hodge, G. K., & Butcher, L. L. Role of pars compacta of the substantia nigra in circling behavior. Pharmacology, Biochemistry and Behavior, 1979, 10, 695-709.
- Butcher, L. L., & Hodge, G. K. Selective bilateral lesions of pars compacta of the substantia nigra: Effects on motor processes and ingestive behaviors. In L. J. Poirier, T. L. Sourkes, & P. Bedard (Eds.), The extrapyramidal system and its disorders: VI International conference on Parkinson's disease (Advances in neurology, Vol. 24). New York: Raven Press, 1979.
- Hodge, G. K., & Hall, T. L. Multiple electroconvulsive shocks increase amphetamine-induced rotational behavior but reverse its preferred direction in rats. Neuroscience Abstracts, 1975, 5, 337. (Abstract)
- Johnson, Peder J.--Reciprocal relationship between concept identification task and preference test performance in children. Psychology Reports, 1979, 43, 393-395.

4. Publications (cont.)

- Johnson, Peder J.--Effect of perceptual pretraining in children's concept performance with non-preferred relevant dimensions: Evidence of the role of attentional strategies. Developmental Psychology, 1979, 15, 190-196.
- Logan, Frank A.--Hybrid theory of operant conditioning. Psychology Review, 1979, 86, 507-541.
- Item similarity and proactive interference in short-term memory. Bulletin of the Psychonomic Society, 1979, 14, 288-290, (with Delaney).
- Miller, William Richard--Matthews, D. B., & Miller, W. R. Estimating blood alcohol concentration: Two computer programs and their applications in therapy and research. Addictive Behaviors, 1979, 4, 55-60.
- Miller, W. R. Problem drinking and substance abuse: Behavioral perspectives. In N. A. Krasnegor (Ed.), Behavioral Analysis and Treatment of Substance Abuse. Washington, D.C.: National Institute on Drug Abuse, 1979. Pp. 158-177.
- Miller, W. R., Crawford, V. L., & Taylor, C. A. Significant others as corroborative sources for problem drinkers. Addictive Behaviors, 1979, 4, 67-70.
- Miller, W. R., & Joyce, M. A. Prediction of abstinence, controlled drinking, and heavy drinking outcomes following behavioral self-control training. Journal of Consulting and Clinical Psychology, 1979, 47, 773-775.
- Norman, Ralph D.--"Test profile similarity of identical twins: An unusual case and some controls." Journal of Psychology, 1979, 103, 7-13.
- Padilla, Eligio R.--Padilla, E. R., Padilla, A. M., Morales, A., Olmedo, E. L., & Ramirez, R. Inhalant, Marijuana, and Alcohol Abuse among barrio children and adolescents. The International Journal of the Addictions, 1979, 14(7), 945-964.
- Parsons, Joseph A.--Effects of Unit-Quiz Mastery Criteria on Student Performance, Journal of Personalized Instruction, 3:4, Winter 1978, (with Delaney).
- The introductory psychology reader, Lexington, Massachusetts: Ginn Custom Publishing, 1979 w/Ferraro, Gordon, Gluck, & Hodge.
- Ritchey, Gary H.--Worden, P.E. & Ritchey, G. H. The development of the category-recall relationship in the sorting-recall task. Journal of Experimental Child Psychology, 1979, 27, 384-394.
- Roll, Samuel--Roll, S., & Millen L. The friends as represented in the dreams of adolescents: Friendship without the rose-colored glasses. Adolescents, 1979, 14, 255-275.
- Baker, R., Roll, S., & Melgoza, B. Anglo-Chicano and male-female differences in disclaimed activity. Journal of Cross-Cultural Psychology, 1979, 10, 191-202.
- Tittler, B. I., Roll, S., & Prasinos, S. Effects of sharing a secret on subsequent level of openness. Psychological Reports, 1979, 45, 891-896.
- Ruebush, Britton K.--The Effects of Modeling and Role Playing on Children's Delay of Gratification Behavior. Child Study Journal, Vol. 8, No. 3, 1978, pp. 149-163 (with Mary Dean Atwood and Frances Leivo Everett).

4. Publications (cont.)

Ruebush, Britton K.--Mental Health Programs in New Mexico: The Influence of Urban, Rural and Cultural Forces. POCA Press. Vol. 12, No. 2, February, 1979.

Mental Health Programs in New Mexico: Part II. POCA Press. Vol. 12, No. 3, October, 1979.

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

Brecht, Mark Allan--Submitted NSF-SOS proposal (SPI8005196) entitled, "Testing and Evaluation of the Tactual Directory for the New Mexico Union." Proposal requests \$11,924 for 12 weeks starting 19 May 1980 to evaluate the effectiveness of a tactile map and directory designed to provide directional and orienting information about the interior of the New Mexico Union building to visually-handicapped persons.

Submitted preliminary proposals entitled, "The Use of Tactile Maps and Directories of Building Interiors as Sources of Directional and Orienting Information for the Visually Impaired," to Herman Harvey, National Science Foundation; Joseph Traub, National Institute of Handicapped Research; David Williamson, Office of Housing and Urban Development; and Alan Dittman, Bureau of Education and Handicap. Proposal included field evaluation of an existing tactile directory and laboratory studies of the effectiveness of conveying spatial information tactually.

Submitted a revised draft of my dissertation entitled, "A Study of Meeting and Conference Behavior" to the JSAS Catalog of Selected Documents in Psychology. Accepted for publication February 1980.

Studying discriminability of selected line, point, and areal tactile symbols by blind and sighted subjects.

Conducting survey research to investigate motorists' expectations concerning emergency vehicle warning light configurations.

Delaney, Harold D.--Delaney, H. D. The optimization of individualized instruction: An evaluation of CAI and ATI approaches. Grant proposal submitted to the Advanced Research Projects Agency. Currently under review.

Delaney, H. D. Individual differences in learning from prose: Processing differences and remediation strategies. A preliminary grant proposal was submitted to NSF's Research in Science Education program. Initial reviews were favorable and I have been invited to submit a detailed proposal, which is currently in preparation.

Haaland, K. Y., Porch, B. E., & Delaney, H. D. Limb apraxia and motor performance. Brain and Language, in press.

Delaney, H. D., & Maxwell, S. E. The use of analysis of covariance in tests of attribute-by-treatment interactions. Journal of Educational Statistics, revision of manuscript currently under review.

Maxwell, S. E., & Delaney, H. D. The difference between ANOVA of residuals and ANCOVA. Psychological Bulletin, under review.

Harnick, F. S., Joyce, M. A., & Delaney, H. D. The structure of ritual and non-ritual interactive play in infants and toddlers. Merrill-Palmer Quarterly, under review.

Delaney, H. D., & Maxwell, S. E. On using analysis of covariance in repeated measures designs. Multivariate Behavioral Research, under review.

5. Other research projects or creative work in progress (cont.)

Delaney (cOnt.)

Delaney, H. D., & Maxwell, S. E. Significant attribute-by-treatment interactions: The importance of considering multiple attributes. JSAS Catalog of Selected Documents in Psychology, under review.

Haaland, K. Y., & Delaney, H. D. Motor deficits after left and right hemisphere damage due to stroke or tumor. Currently being revised for submission.

Norman, R. D., Miller, D. A., & Delaney, H. D. An exploration of the verbal encodability hypothesis for sex differences in the Digit-Symbol (Symbol-Digit) Test. Currently being revised for re-submission.

Tyler, S. W., Delaney, H. D., & Kinnucan, M. T. Individual differences in learning from prose: Processing differences and remediation strategies. In preparation.

Delaney, H. D., & Starr, M. R. The effectiveness of subject-generated keywords. In preparation.

Supported research: Individual differences in human learning: Interactions with methods of foreign language instruction. Research project supported by funds from Research Allocations Committee.

Ellis, Henry C.--Ellis, H. C., & Tyler, S. W. Anxiety effects in memory. In preparation.

Ellis, H. C. Strategies, effort, and repetition effects in memory. In preparation.

Hertel, P. T., & Ellis, H. C. Constructive processes in memory: Abstraction and elaboration. Being revised.

Ellis, H. C., & Greene, S. Eyewitness identification and recognition failure. In preparation.

Continued research on various phases of human memory and learning (encoding, storage, and retrieval).

Submitted renewal grant for NIMH Research Service Award (Training Grant) for 1979-80. Grant in General Experimental Psychology for period 1977-1982 for \$253,000 (I have supervisory responsibility for eight graduate students who are appointed as trainees under this grant).

Feeney, Dennis M.--Continued research on NIH grant NS 13684, 1978-1981. "Interdisciplinary study of brain trauma", \$198,000.

Spinal Cord: Physiology, in Textbook of Human Sterotaxy. G. Schattenbrand and A. E. Walker, (Eds.), Verlag, Stuttgart. In press.

Forebrain lesions produce sensory neglect and suppress seizures and spindles. Festschrift for D. B. Lindsley. In press.

Chronic dorsal column stimulation effects on H-reflex and symptoms in a patient with multiple sclerosis. Accepted for publication in Neurosurgery.

Ferraro, Douglas P.--In progress - Cognitive development in Navajo Indians.

In progress - Behavioral Medicine.

Friden, Thomas P.--"Statistical Prediction of Change in Aphasia." In press, Journal of Speech and Hearing Research. With Porch, Collins, and Wertz. "Veterans Administration Cooperative Study on Aphasia: A comparison of Individual and Group Treatment." Submitted to Journal of Speech and Hearing Research. With Wertz et al., Co-operative study on Aphasia.

5. Other research projects or creative work in progress (cont.)

- Gluck, John P.--Gluck, J. P. Gerbils as detector of explosives.
In preparation.
- Haney, W., Gluck, J. P., & Kuipers, W. Competitiveness and social preference. Submitted to Primates.
- Contract: "Detection of explosives by animals". Sandia Laboratories, \$20,340.
- Strongin, T., & Gluck, J. P. Exercise and weight loss. In preparation.
- Goetz, Therese E.--Dweck, D. S., Goetz, T. E., & Strauss, N. L. Sex differences in learned helplessness: An experimental and naturalistic study of failure generalization and its mediators. Journal of Personality and Social Psychology, in press.
- Goetz, T. E., & Dweck, C. S. Learned helplessness in social situations. Journal of Personality and Social Psychology, accepted Dec. 12, 1979, pending revisions.
- Goetz, T. E. A comparison of Hispanic and Anglo achievement-related cognitions. Submitted to Journal of Educational Psychology, June, 1979.
- Goetz, T. E. Learned helplessness across cultures: Hispanic and Anglo children's cognitive and conative responses to failure. Data collection completed, analysis in progress.
- Goetz, T. E. Sex differences in cognitive and affective responses to achievement and affiliative outcomes. In preparation.
- Goetz, T. E. Learned helplessness in affiliative situations: Attributional mediators of rejection generalization. Analysis in progress.
- Goetz, T. E. The development of learned helplessness: A selective awareness hypothesis. Grant proposal, in preparation.
- Goetz, T. E., & Glomi, T. Learned helplessness in disturbed and non-disturbed children: A comparison of cognitive and behavioral responses to failure. Analysis in progress.
- Riedle, J. A., & Goetz, T. E. Teacher's attributions for performance: The effects of sex of the performer, sex-typing of task and grade. Unpublished master's thesis of first author. Currently in preparation for publication.
- Gordon, William C.--Gordon, W. C. Effects of cueing on stored information, National Science Foundation, \$25,000.00 (9-1-79 - 3-1-81).
- Spear, N. E., & Gordon, W. C. Sleep, dreaming and the retrieval of memories. In W. Fishbein and E. Weitzman (Eds.), Advances in Sleep Research, Vol. 4, New York: Spectrum Publications. In press.
- Logan, F. A., & Gordon, W. C. Fundamentals of Learning and Motivation, 3rd ed., Dubuque, Iowa: William C. Brown Co. Publishers. In press.
- Spear, N. E., Smith, G., Bryan, R., Gordon, W. C., Timmons, R., & Chiszar, D. Contextual influences on the interaction between conflicting behavior in the rat. Animal Learning and Behavior. In press.
- Gordon, W. C., & Shinusky, D. Short-term retention of reinforcer magnitude: Effects on patterning. In preparation.

5. Other research projects or creative work in progress (cont.)

- Gordon (cont.)--Gordon, W. C., & Mowrer, R., & Taylor, J. Effects of cueing on short-term retention performance in rats. In preparation.
- Gordon, W. C., & Wenzel, Z. M. Periodicity and the facilitation of memories with strychnine. In preparation.
- Gordon, W. C., Dess-Beech, N., & McCracken, K. The assimilation of contextual stimuli with reactivation. In preparation.
- Gordon, W. C., & Mowrer, R. The use of an extinction trial as a reminder cue. In preparation.
- Gordon, W. C., & Edwards, E. Overshadowing in the neonated rat.
- Gordon, W. C., & Mowrer, R. The effect of cueing in non-training contexts on resistance to extinction.
- Gordon, W. C. Facilitation of a reactivated memory with metrazol.
- Gordon, W. C. Cueing effects on the short-term retention of reinforcer magnitude.
- Grice, G. Robert--USPH Grant MH 16400-11 from NIMH, Principles of Response Evocation. Current year funding \$35,581.00. Prepared proposal for continuation of this grant.
- Harnick, Frances S.--Harnick, F., Delaney, H., & Joyce, M. The structure of ritual and non-ritual interactive play in infants and toddlers (submitted manuscript).
- Harnick, F., Franklin, J., & Serna, R. Perceptual judgement in adults (submitted manuscript).
- Harris, Richard J.--Monte Carlo studies of partitioned-U vs. step-down g.c.r. procedures for testing individual discriminant functions and canonical Rs.
- Theoretical development and testing of the linear equity formula. Resulted in Harris, R. J. Equity judgments in hypothetical, four-person partnerships. Journal of Experimental Social Psychology, in press.
- Theoretical development and testing of the Altruism Modification Model of game-playing behavior.
- Attempt to explain poor performance of brainstorming groups vs. individuals. Resulted in Maginn, Barbara K. & Harris, R. J. The effects of anticipated evaluation on individual brainstorming performance. Journal of Applied Psychology, in press.
- Hodge, Gordon K.--Hodge, G. K. (Principal Investigator) "A proposal to evaluate the potential use of thyrotropin-releasing hormone in reducing hyperactive behavior". Submitted to the Sandia University Research Proposal/Biomedical Research Support Grant Committee. Amount funded: \$3,736. Period of support: 12/14/79 - 12/13/81.
- Hodge, G. K. (Principal Investigator) "I. Role of catecholaminergic systems in locomotor activity. II. Efficacy of EMG biofeedback training in the control of hyperkinesis". Submitted to Research Allocations Committee, UNM. Amount funded: \$1,500. Period of support: 12/15/78 - 6/15/79.
- Hodge, G. K. (Principal Investigator) "Potential use of thyrotropin-releasing hormone in the control of hyperactivity". Submitted to NIH-MHHD. Amount requested: \$61,199. Period of support: 7/1/80-7/1/83.

5. Other research projects or creative work in progress (cont.)

- Hodge (cont.)--Hodge, G. K. (Principal Investigator) "Dopaminergic regulation of lesion-induced hyperactivity in neonatal and adult rats". Submitted to NIH-MBS. Amount requested: \$29,176. Period of support: 8/20/80 - 8/19/83.
- Hodge, G. K., & Butcher, L. L. Pars compacta of the substantia nigra modulates motor activity but is not involved importantly in regulating food and water intake. Naunyn-Schmiedeberg's Archives of Pharmacology, accepted contingent upon revisions.
- Hodge, G. K., & Boyeson, M. B., & Linn, R. T. Dopaminergic agonists differentially affect open-field activity of rats with A10 lesions. Submitted for publication.
- Hodge, G. K., & Collatz, F. A. Efficacy of EMG biofeedback training in improving examination performance of test anxious college students. The Proceedings of the Biofeedback Society of America. In press.
- Linn, R. T., & Hodge, G. K. Use of EMG biofeedback training in increasing attention span and internalizing locus of control in hyperactive children. The Proceedings of the Biofeedback Society of America. In press.
- Hall, T. L., & Hodge, G. K. Effects of ECS on amphetamine-induced rotational behavior in rats. Submitted for publication.
- Hodge, G. K., & Butcher, L. L. Effects of dopaminergic agonists on locomotor activity of rats with bilateral lesions of pars compacta. Submitted for publication.
- Katz, Norman W.--Self Hypnosis: A Theoretical and Practical Review in progress.
- Hypnosis and the Addictions: A Critical Review. Addictive Behaviors, in press.
- Logan, Frank A.--Literature and Laws of Learning.
- Miller, William Richard--"Long term follow-up evaluation of problem drinkers" - grant from UNM Research Allocations Committee (\$925) (Work completed and presented at professional meeting, submitted for publication).
- "Follow-up of modular treatment program" - grant from UNM Research Allocations Committee (\$900) (Work in progress).
- "Rural training project for crisis intervention" - grant from Title I Higher Education Act of 1965 (\$24,000) (Work in progress).
- "Evaluation of a module program for problem drinkers" - grant from the National Institute on Alcohol Abuse and Alcoholism (\$4985) (Work completed, presented at professional meeting, and submitted for publication).
- Miller, W. R. (Ed.), The Addictive Behaviors: Treatment of Alcoholism, Drug Abuse, Smoking and Obesity. New York: Pergamon Press, in press.
- Miller, W. R. (Ed.), Recent Advances in Addictions Research. New York: Pergamon Press, in press.
- Miller, W. R. Maintenance of therapeutic change: A usable evaluation design. Professional Psychology, in press.
- Miller, W. R., & Orr, J. Nature and sequence of neuropsychological deficits in alcoholics. Journal of Studies on Alcohol, in press.

5. Other research projects or creative work in progress (cont.)

Miller (cont.)—Miller, W. R., Pechacek, T. F., & Hamburg, S. Group behavior therapy for problem drinkers. International Journal of the Addictions, in press.

Miller, W. R., & Taylor, C. A. Relative effectiveness of bibliotherapy, individual and group self-control training in the treatment of problem drinkers. Addictive Behaviors, in press.

Reyes, E., & Miller, W. R. Serum γ -glutamyl transpeptidase as a diagnostic aid in problem drinkers. Addictive Behaviors, in press.

Miller, W. R., Gribskov, C. J., & Mortell, R. L. Effectiveness of a self-control manual for problem drinkers with and without therapist contact. Submitted for publication.

Miller, W. R., Taylor, C. A., & West, J. C. Focused versus broad spectrum behavior therapy for problem drinkers. Submitted for publication.

Miller, W. R., Bertel, P., Saucedo, C., & Hester, R. Retrieval from episodic memory in individuals reporting alcohol blackouts. Manuscript in preparation.

Miller, W. R. Living As if: A Psychologist Looks at Faith. Manuscript in preparation.

Miller, W. R. A demonstration clinic for problem drinking women. Grant proposal submitted to the National Institute on Alcohol Abuse and Alcoholism (\$171,084) - currently in priority review.

Norman, Ralph D.--"An exploration of the verbal-encodability hypothesis for sex differences in the Digit-Symbol Test" (with Dorothy A. Miller and Harold D. Delaney, submitted to RMPA annual meeting, April, 1980, Tucson, Arizona).

Padilla, Eligio R.--With F. Loya (UCLA) and G. N. Braucht (U. of Denver), NIMH supported research grant: \$421,000 over three years, August 1979 - July 1982. "Typology of Violent Death". BIA-IHS contract: \$107,000 from September 1979 - March 1980. "The multidimensional assessment of Laguna children".

Rhodes, John M.--Effect of Thyrotropin-releasing hormone on Narcolepsy (\$250,000 funding from Clinical Research Center, B.C.M.C.). Grant submitted to NIH for above project.

Ritchey, Gary H.--Ritchey, G. H. Picture superiority in free recall: the effects of organization and elaboration. Journal of Experimental Child Psychology, in press.

Ritchey, G. H. & Beal, C. R. Image detail and recall: evidence for within-item elaboration. Journal of Experimental Psychology: Human Learning and Memory, in press.

Research award: Information Processing in children's Games. BRSG/SURF Research Support Award in the amount of \$4953 from 12-14-79 to 12-13-80.

Research award: Memory for Pictures. Research Allocation Committee in the amount of \$1435 for 1980.

Research planned: Research on the properties of mental images which facilitate recall. Research on the properties of pictures which enhance recall. Research on children's games, including game demographics and information processing in game situations.

5. Other research projects or creative work in progress (cont.)

- Koli, Samuel--Melgoza, B., Koli, S., & Baker, R. Transferential aspects in therapy: The therapist with a physical impairment. The Clinical Psychologist, 1979, 33. (Pages not available yet, will be published in the winter 1979 edition which comes out in 1980).
- Melgoza, B., Harris, R. J., Baker, R. C., & Koli, S. Anglo-Chicano differences in academic preference and performance. Submitted for publication.
- Crail, S., & Koli, S. An annotated bibliography of psychological correlates of menstruation, 1972-1977. Submitted for publication.
- Jacobson, J., & Koli, S. The effects of postural position and interpersonal orientation of primary process content and form appropriateness on the Holtzman. Submitted for publication.
- Rosenblum, Sidney--Aspects of depression in children.
- Ruebush, Britton K.--ANNUAL REPORT OF THE ALBUQUERQUE CHILD GUIDANCE CENTER, 1979, Albuquerque, New Mexico. Includes report of evaluation of clinical services.

6. Activities in learned and professional societies

- Benedetti, David T.--Attended annual meeting of Western Association of Graduate Schools, March 4-6, 1979, Colorado Springs, Colo.
Attended meeting of Council of Graduate Deans of New Mexico State Universities, April 20, 1979, Las Cruces, NM.
Attended annual meeting of Council of Graduate Schools of the U.S., Dec. 4-7, 1979, Orlando, Fla.
- Brecht, Mark Allan--Associate editor of Human Factors Society Bulletin.
Guest reviewer, JSAS Catalog of Selected Documents in Psychology.
- Delaney, Harold D.--Delaney, H. D. Individual differences and materials differences which may affect keyword method utility. Invited paper presented as part of a symposium of the Division of Learning and Instruction, American Education Research Association, San Francisco, April, 1979.
- Ellis, Henry C.--Attended joint meeting of the Executive Board or the National Council of Graduate Departments of Psychology and Officers of the American Psychological Association, Washington, D.C., February, 1979.
Attended meeting of the Education and Training Board of the American Psychological Association, Washington, D.C., February, 1979.
Arranged and attended annual convention of the National Council of Graduate Departments of Psychology, New Orleans, March, 1979.
Attended meeting of the Rocky Mountain Psychological Association, Las Vegas, April, 1979. Presented papers entitled: Effects of superficial processing on deep processing - with Franklin. Mood states and memory - with Leight. Co-chaired Symposium on Human Learning, Memory, and Cognition.
Attended meeting of the Cognitive Sciences Society, La Jolla, Calif., August, 1979.

6. Activities in learned and professional societies (cont.)

Ellis (cont.)--Attended meeting of the American Psychological Association, New York, August, 1979. Participated in Symposium on Graduate Training in Psychology.

Presided over meeting of the National Council of Graduate Departments of Psychology, New York, September, 1979.

Attended meeting of the Psychonomics Society, Phoenix, November, 1979.

Presented paper entitled, "Cognitive Effort and Memory."

Attended meeting of the Executive Board of the National Council of Graduate Departments of Psychology, Phoenix, November, 1979.

Chairman, National Council of Graduate Departments of Psychology, 1977-79.

Member, Executive Board, National Council of Graduate Departments of Psychology, 1976-81.

Education and Training Board, American Psychological Association, Liaison Member, 1977-

Member, Ad Hoc Committee to review Graduate Training in Psychology, American Psychological Association, 1978-

Consultant, National Institute of Mental Health, 1978-

Consultant, American Psychological Association, Clinical Training Site visitor Program, 1978-

Editor for Human Experimental Psychology for the Journal Supplement Abstract Services, Catalog of Selected Documents in Psychology, an APA journal.

Feeney, Dennis M.--Marihuana and Epilepsy. Invited address to Second Conference on Marihuana, Columbia University, New York, June 25, 1979. Attended Society for Neuroscience meetings, Atlanta, July 7, 1979.

Ferraro, Douglas P.--President: Psychology Section. Southwestern and Rocky Mountain Division, American Association for the Advancement of Science.

Council Member: Southwestern Psychological Association.

President: University of New Mexico, Sigma Xi, The Scientific Research Society.

Committee Member: National Drug Abuse Council Task Force on Marihuana.

Committee Member: Drug Abuse Clinical, Behavioral and Psychosocial Research Review Committee of the National Institute on Drug Abuse.

Review Consultant: National Institute on Drug Abuse, National Institute of Mental Health, National Science Foundation, Animal Resources Board, Division of Research Resources.

Journal Editing/Review: The Journal of Pharmacology and Experimental Therapeutics, Pharmacology, Biochemistry and Behavior Science (guest reviewer), Animal Learning and Behavior (guest reviewer).

Presented paper, Southwestern Psychological Association, San Antonio. Chaired session and presented two papers, Rocky Mountain Psychological Association, Las Vegas.

Participant, Southwestern and Rocky Mountain Division Meetings, AAAS, Durango.

Participant, Behavior Therapy Conference, Ghost Ranch.

Gluck, John P.--American Psychological Association, New York, September 1979.

- Goetz, Therese E.--A comparison of Anglo and Chicano perceptions of negative evaluation. Paper presented at Rocky Mountain Psychological Association, April, 1979.
Invited chair of session on learned helplessness in humans, Southwestern Psychological Association, April, 1979.
- Goetz, T. W., & Dweck, C. S. Learned helplessness in social situations. Presented at the American Psychological Association convention, September, 1979.
Careers in experimental psychology: Colloquium. Presented to the New Mexico Women in Science Conference, March, 1979.
- Gordon, William C.--Attended meetings of the Eastern Psychological Assoc., Philadelphia, PA, April, 1979.
Attended meetings of the Psychonomic Society, Phoenix, AZ, November, 1979.
- Grice, G. Robert--Attended meetings of Psychonomics Society, American Psychological Association, Society for Experimental Psychologists. President, Division of Experimental Psychology, APA.
Chairman, Psychonomic Society Publications.
- Harnick, Frances S.--Society for Research in Child Development, San Francisco, March 1979. Sigma Xi Executive Council.
- Harris, Richard J.--President, Southwestern Division of Society for Multivariate Experimental Psychology, thru April; continuing as chair of Student Paper Competition. Published "Continuing invalidity of partitioned-U tests in Canona and Manova: A reply to Mendoza, et al." in the Tie-Line (SW-SMEP's newsletter), January 30, 1979.
- Harris, R. J. "Testing individual discriminant functions." In C. Burdsal (Chair), Applications of Multivariate techniques, Seventh Annual Users' Workshop of the Southwestern Division of the Society for Multivariate Experimental Psychology. Presented at meetings of the Southwestern Psychological Association, San Antonio, April 26, 1979.
Appointed to membership committee, Southwestern Psychological Assoc.
- Harris, R. J. Multivariate statistics: When will experimental psychology catch up? In E. Galanter (Chair), Centennial Symposium: Psychology and Mathematics. Presented at meetings of the American Psychological Association, New York, N.Y., September 3, 1979.
- Action (associate) Editor, Journal of Personality and Social Psychology, through September. Continuing as Consulting Editor for this journal.
Member of editorial board, Journal of Experimental Social Psychology.
Consulting editor, Journal of General Psychology and Journal of Clinical Multivariate Experimental Psychology.
Refereed papers for Psychological Bulletin, Psychological Review, Psychometrika, Social Psychology Quarterly, Personality and Social Psychology Bulletin.
- Hodge, Gordon K.--Secretary: Psychology Section: Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science.

6. Activities in learned and professional societies (cont.)

Hodge, cont.--Membership in: New York Academy of Sciences, American Association for the Advancement of Science, Biofeedback Society of America.

Nominated for President, Biofeedback Society of New Mexico.

Hodge, G. K., & Hall, T. L. Multiple electroconvulsive shocks increase amphetamine-induced rotational behavior but reverse its preferred direction in rats. Poster presentation at the Ninth Annual Meeting of the Society for Neuroscience, Atlanta, November, 1979.

Butcher, L. L., & Hodge, G. K. Pars compacta of the substantia nigra modulates locomotion and circling but is not involved in regulating food and water intake. Paper presented at the Sixth International Symposium on Parkinson's Disease, Quebec, 1978.

Johnson, Peder, J.--Transfer of training in reading and writing skills, Conference of Rocky Mtn. Educational Research Association, Tucson, Arizona, 1979.

Katz, Norman W.--President, New Mexico Society of Clinical Hypnosis. Chairman, Advanced Psychotherapy Workshop, Society for Clinical and Experimental Hypnosis, Advanced Psychotherapy Faculty, American Society of Clinical Hypnosis. Secretary, New Mexico Psychological Association.

Logan, Frank A.--Presentations at Society of Experimental Psychologists and Psychonomic Society; attended Southwestern Psychological Association and American Psychological Association; served on Ad Hoc Committee on Public Information, APA.

Miller, William Richard--Miller, W. R. Controlled drinking: Moderate optimism. Address at the Taos International Conference on Treatment of Addictive Behaviors, Taos, New Mexico, February, 1979.

Miller, W. R. Teaching controlled drinking: Who, what, when, and how? Workshop at the Taos International Conference on Treatment of Addictive Behaviors, Taos, New Mexico, February, 1979.

Miller, W. R. Teaching behavioral approaches to treatment. Invited address at the National Conference on Medical Education in Alcohol and Drug Abuse, Washington, D. C., November, 1979.

Miller, W. R., & Azrin, N. H. Assessment and treatment of problem drinking. Invited symposium at the New Mexico Conference on Behavior Therapy, Ghost Ranch, Abiquiu, New Mexico, September, 1979.

Reyes, E., & Miller, W. R. Use of liver function tests for screening outcome assessment with problem drinkers. Paper presented at the Taos International Conference on Treatment of Addictive Behaviors, Taos, New Mexico, February, 1979.

Taylor, C. A., & Miller, W. R. Relative effectiveness of bibliotherapy, individual and group self-control training in the treatment of problem drinkers. Paper presented at the Taos International Conference on Treatment of Addictive Behaviors, Taos, New Mexico, February, 1979.

Miller, W. R., Hedrick, K. W., & Taylor, C. A. Relationship between alcohol consumption and related life problems before and after behavioral treatment of problem drinkers. Paper presented at the annual meeting of the Association for Advancement of Behavior Therapy, San Francisco, December, 1979.

Miller cont.--Miller, W. R., & Taylor, C. A. Focuses vs. broad spectrum behavior therapy for problem drinkers. Paper presented at the annual meeting of the Association for Advancement of Behavior Therapy, San Francisco, December, 1979.

Served as Conference Director for the Taos International Conference on Treatment of Addictive Behaviors, Taos, New Mexico, February, 1979.

Norman, Ralph D.--Paper presented at RMPA annual meeting, April, 1979, Las Vegas, Nevada. "Psychometric profile similarity of identical twins: An unusual case and some controls." Treasurer and Membership Chairman, Member of Executive Board, NMMPA.

Padilla, Eligio R.--Advisory Committee; Minority Fellowship Program; American Psychological Association.

Parsons, Joseph A.--Parsons & Muehlenweg: Young children's stimulus control gradients following single stimulus vs differential reinforcement training, Rocky Mountain Psych. Assoc., 1979.

Parsons & Taylor: "Superstitious" responding in humans under a probability schedule, Association for Behavior Analysis, 1979.

Rhodes, John M.--Ninth Annual Meeting Society for Neurosciences, paper read entitled "Positive Results in two cases of Narcolepsy Treated Thyrotropin-Releasing Hormone".

Ritchey, Gary H.--Attended meeting of the Society for Research in Child Development, San Francisco, March 1979.

Roll, Samuel--Accepted as a member of The American Psychology-Law Society Made Board eligible by the American Board of Forensic Psychology.

Rosenblum, Sidney--Workshop: "Adolescent Alcoholism." University of New Mexico, March 9, 1979.

Paper presentation: New Mexico Indian Education Board of Regents. "Developmental Psychology and the Indian Child." June 5, 1979.

Ruebush, Britton K.--Attended Annual Meeting & Chaired Paper Session: Psychiatric Outpatient Centers of America, Dallas, April 26-28.

Member Board of Directors, P.O.C.A. Attended Board of Directors meeting in Pittsburg, Oct. 18-20, 1979.

Attended Annual Meeting, New Mexico Council of Community Mental Health Services, Las Cruces, April 26-28.

Member, Advisory Council, National Commission on the International Year of the Child, Washington, D.C.

7. Other professional activities

Brecht, Mark Allan--Lectured on "Design for the Handicapped, Elderly, and Special Groups: Contributions from Human Factors Engineering." Architecture and Human Behavior public lecture series, University of New Mexico, Albuquerque, NM. April 1979.

7. Other professional activities (cont.)

Brecht, Mark cont.--Submitted paper entitles, "Understanding Face-to-face Meetings: Prerequisite for Teleconferencing System Design," to the 9th International Symposium on Human Factors in Telecommunications. Human factors consulting on product liability to Smith, Ransom and Gilstrap. Albuquerque, NM.

Human factors consulting to R. M. Systems, Inc., Albuquerque, NM on proposed evaluation of Air Force maintenance system.

Delaney, Harold D.--Reviewer, Psychometrika.

Reviewer, Journal of Educational Psychology

Reviewer, JASAS, Catalog of Selected Documents in Psychology.

Ellis, Henry C.--Invited Colloquia and Talks: University of Oklahoma, Norman, February, 1979; Tulane University, New Orleans, March, 1979; Arizona State University, Tempe, March, 1979.

Site Visitor, Arizona State University, Tempe, Arizona. Evaluated the Clinical Psychology Training Program for the American Psychological Association, December, 1979.

Member, Editorial Board: Human Experimental Psychology Editor, Journal Supplement Abstract Services, 1978-; Perceptual and Motor Skills, 1963-; Psychological Reports, 1963-.

Consultant to Journalism Administrators Workshop, Wagoner, Oklahoma, October, 1979; Brooks-Cole Publishers; New Mexico Public Defenders.

Feeney, Dennis M.--Mathematical prediction of post-traumatic epilepsy.

Grand Rounds, Department of Neurology, UNM, 1979.

Mathematical prediction of post-traumatic epilepsy. Colloquium, Department of Physiology, UNM, 1979.

Spinal cord injury. In service training St. Joseph's Hospital, 1979.

Ferraro, Douglas P.--Consultant: National Institute on Drug Abuse.

Consultant: Albuquerque Public Schools

Consultant: Animal Resources Board, National Institutes of Health

Consultant: Special Contract Review Board, Department of Health and Welfare.

Expert Witness: Public Defender's Office

Expert Witness: District Attorney's office

Expert Witness: Federal District Court

Friden, Thomas P.--Attended meeting of the VA cooperative study on Aphasia operations committee in Baltimore, October, 1979.

Gluck, John P.--"The UNM Basic Skills Program." Albuquerque Today Program, KNME, November, 1979.

Consultant: Rio Grande Zoo

Goetz, Therese E.--Conference evaluation for New Mexico Network for Women in Science and Engineering, Spring 1979, Fall, 1979.

Workshops on optimizing conference impact, Fall, 1979.

Interviewed for Journal series on women, May, 1979.

Interviewed for Tribune article, October, 1979.

7. Other professional activities (cont.)

Gordon, William C.--Reviewed Grant Proposals for N.S.F.

Reviewed Journal Articles for Physiology & Behavior, Animal Learning & Behavior, American Journal of Psychology.

Invited Colloquium, Department of Psychology, New Mexico Highlands University, November, 1979, "retrieval - Induced Information Processing."

Grice, G. Robert--Ad Hoc reviewer for several journals.

Harnick, Frances S.--Advisor to Esperanza School, Programs for Children, Medical School.

Harris, Richard J.--Consulted with state and federal Public Defender's office on study of jury selection procedures. Refereed proposed textbooks for Brooks/Cole, Academic Press.

Hodge, Gordon K.--Hodge, G. K. Application of EMG biofeedback training in treating childhood hyperkinesis. Colloquium presented at New Mexico Highlands University, Las Vegas, New Mexico, 1979.

Hodge, G. K. Human development, hyperkinesis, relaxation, and biofeedback. Series of presentations for the Albuquerque Public School In-Service Program, Albuquerque, New Mexico, February, 1979.

Referee for Brooks/Cole Publishing Company and Pharmacology, Biochemistry and Behavior.

Katz, Norman W.--Self Help Through Self Hypnosis: A Postgraduate Education workshop offered through the Proseminar Institute, accredited by APA, AMA and the University of California, in various cities throughout the USA.

Logan, Frank A.--Colloquium, UTEP.

Miller, William Richard--Consultancies: Addiction Research Foundation, Toronto; Alberta Alcoholism and Drug Abuse Commission, Calgary; Office of the Public Defender, Albuquerque; Veterans Administration; Editorial consultant for numerous publishers and journals; Guest Editor for Addictive Behaviors special edition. Grant consultant, Native American Alcohol Abuse Prevention Project. Consultant to Addictions Prevention Laboratory, Penn State University.

Padilla, Eligio R.--Research Consultant, Indian Health Service. Research Consultant, Colorado State Hospital, Pueblo, Colorado. Clinical Consultant, Little Haven, Inc., a non-profit corporation and shelter-care facility. Training grant consultant, National Institute of Mental Health.

Parsons, Joseph A.--Invited Address to the Association for Behavior Analysis: "A Functional Analysis of Precurrent Operants - Remembering Behaviors", 1979.

Rhodes, John M.--Talk for Epilepsy Foundation at Vocational Rehabilitation Center.

Rosenblum, Sidney--Project Director, Clinical Psychology Training Grant, NIMH, 1979-80, \$34,142.00.

7. Other professional activities (cont.)

- Rosenblum cont.--Mental Health Consultant, Bernalillo County Head Start Program.
 Professional Advisory Board, Children's Psychiatric Center, UNM.
 Perceptor, School of Medicine, UNM.
 Editorial Consultant for Prentice-Hall; Random House; Dorsey Press; Holt, Rinehart and Winston.
 Eight off-campus talks to community groups.
 Certified SOMPA assessor, Institute for Pluralistic Assessment Research and Training, (course taken through UNM).
- Ruebush, Britton K.--Gave talk, Mental Health Needs of Children, TV and Radio Broadcasters of Albuquerque. Four Seasons, 11/21/79.
 Gave talk, The Healthy Family. Sandia High School seniors, 4/10/79.
 Gave talk, The burn-out phenomenon in Mental Health Professionals. East Area Counselors, 5/3/79/
 Child Guidance Center Services. Off-campus talk at the Sandia Laboratories Corp, 8/21/79.
 Tests can Help You Choose a Career. Talk to El Dorado High School seniors, 11/21/79.
 The Effective and Humane Counselor. Paper read at the International Year of the Child Conference on Human Education. UNM, 12/8/79.
 Gave a number of other off-campus talks to groups of parents and teachers during the year.

8. Non-teaching University service

- Benedetti, David T.--Associate Dean of Graduate Studies, 2/3 time, through June, 1979.
 Acting Dean of Graduate Studies, July 1 - Dec. 31, 1979, 2/3 time (full time 2 mos., summer).
 Member, ex officio, Faculty Senate Graduate Committee
 Member, ex officio, College of Arts & Sciences Graduate Committee
 Member, ex officio, College of Engineering Graduate Committee
 Member, Academic Calendar Advisory Committee
 Member, ad hoc Committee on Drop-Add Policy
 Member, Early and Mandatory Retirement Steering Committee
 Member, Psychology Dept. Committees: Graduate Admissions, Clinical, Faculty Evaluation, Minorities
- Brecht, Mark Allan--Served on four departmental committees.
 Advisor to Senior Honors research project.
- Delaney, Harold D.--Arts & Sciences Human Subjects Review Committee.
 Recruitment Calling Campaign, Office of School Relations, February, 1979.
 Academic Advisor, UNM High School Senior Day, November, 1979.
 Graduate General-Experimental and Methodology Committee (Chair).
 Learning Committee, Financial Aid Committee, Computer Facilities Committee.
 Thesis and dissertation committees: James Franklin (M.A.); Deborah Taylor (M.A.); Betsey Wolff (M.A.); Merith Cosden (Ph.D.); Lloyd Crawford (Ph.D.); Lee Davis (Ph.D.); Mark Kinnucan (Ph.D.); Ricardo Martinez (Ph.D.); Marvin McCallum (Ph.D.); Michael Rodriguez (Ph.D.); John Schnizlein (Ph.D.).

Delaney cont.--Faculty advisor: Inter-Varsity Christian Fellowship.

Ellis, Henry C.--Chairman, Psychology Department.

Faculty Senate

University Affirmative Action Committee

Chaired three dissertation committees

Chaired five thesis committees

Feeney, Dennis M.--UNM Advisory Committee on the Handicapped.

Ferraro, Douglas P.--Faculty Senate

Research Policy Committee

Faculty advisor to Returning Students Association

Chair, Faculty Senate Committee on Research

Faculty Senate Executive Committee

Chair, three Dissertations and two M.A. Theses, five Departmental Committees, etc.

Friden, Thomas P.--Chairman, Research Allocations Committee.

Research Policy Committee; Chairman, statistics committee; Chairman,

Admissions Committee; Undergraduate Advisement; Financial Aid;

Equipment; Computer Facilities; General Experimental and Methodology Committee.

Gluck, John P.--Director of Dept. of Psychology Animal Research Facility.

UNM Student Health Center Therapist; donate 50 hours per month.

Goetz, Therese E.--University Committee on Human Subjects; Department Committee on Minorities; Department Committees for Graduate Study in General Experimental and Methodology, Developmental, and Learning.

Department Search Committee to review candidates for positions in Developmental Psychology.

Department Party Committee

Doctoral Dissertation Committees: Tina Muehlenweg (Chair); Joan Riedle (Chair); James Allender; Richard Baker; Wlizabeth Clark; Lloyd Crawford; Bertha Melgoza; Christine Nicholson; Gale Sutton; Cara Cope Wilson.

Master's Thesis Committee: Joan Riedle (Chair, completed Spring, 1979).

Honor's Thesis, major advisor: Linda Smith (completed Spring, 1979);

Mary Gutierrez, Diann Warren.

Gordon, William C.--Chairman, Introductory Psychology Committee.

Member: Graduate Learning and Psychobiology Committees, Animal Facilities Committee, Faculty Evaluation Committee, Ad Hoc Committee to Assess Human Subject Availability.

Member of one Doctoral Dissertation Committee (Paula Hertel).

Member of one Master's Thesis Committee (Kenneth Leight).

Sponsor of two Honor's Theses (Doris Shinsky, Ellen Edwards).

Two lectures for Talented Students Program.

Grice, G. Robert--Department Committees: Learning; Graduate Curriculum;

Colloquium; Equipment; Faculty Evaluation; Shop.

8. Non-teaching University service (cont.)

Harnick, Frances S.--College of Education Graduate Committee.
Faculty Ethics Committee.

Harris, Richard J.--Usual share of departmental committee work, Member of the University Computer Use Committee for 1979-80 school year. Barbara K. Maginn completed her Master's thesis ("The effects of anticipated evaluation on individual brainstorming performance") under my chairmanship. Continued as chair of Rob Colby's Master's thesis committee. Member of several other Master's, Ph.D. committees in psychology and in HPER.

Hodge, Gordon K.--Faculty Advisor and Chairman of M.A. Committee for M.B. Boyeson and R. T. Linn.

Faculty Sponsor for Senior Honor Students F. A. Collatz and M. J. Boring.

Newspaper Article: Black, C. Biofeedback--Does it offer new hope? Albuquerque Tribune, December 3, 1979, p. B-1.

Member of Undergraduate Academic Affairs Committee.--

Member of Faculty Senate Basic Skills Evaluation Committee.

Member of the following Psychology Departmental Committees: Introductory Psychology, General Experimental and Methodology, Psychobiology, Graduate Curriculum, Animal Facilities, Shop, Surgery, Computer Facilities.

Katz, Norman, W.--Faculty advisor to undergraduates.

Logan, Frank A.--Research Policy Committee; A&S Graduate Committee; A&S Promotion Committee; A&S Tenure Committee; various departmental committees.

Miller, William Richard--Undergraduate advisor.

Inservice training for Day Treatment Center.

Committee on Human Subjects

SURP/BRSG Committee.

Arts Therapies Committee, several departmental committees.

Norman, Ralph D.--Women's Center Committee; TVI-UNM Joint Planning Committee; Provost's Committee on Gerontology; Provost's Steering Committee on Early and Mandatory Retirement; Psychology Department Committees.

Parsons, Joseph A.--Various Departmental Committees.

Advisory Council Institute for Applied Research Services.

High School Day at UNM.

Rhodes, John M.--Departmental Committees.

Ritchey, Gary H.--Service on five departmental committees.

Roll, Samuel--Work on several departmental committees. Service as faculty advisor to several students at the undergraduate and graduate levels.

Rosenblum, Sidney--Assistant Chairman, Department of Psychology.

Acting Chairman, Summer Session, 1979, Department of Psychology.

8. Non-teaching University Service (cont)

Rosenblum cont.--Director of Clinical Training, Department of Psychology.
 Chairman, Financial Aid Committee, Department of Psychology
 Member, Admissions Committee, Department of Psychology.
 Committee of Five, UNM Faculty
 Member, Cultural Committee, UNM.

Ruebush, Britton K.--Chairman of one Ph.D. Dissertation Committee in Psych.
 Dept. Member of three Dissertation Committees in Psych. Dept.
 Member of two Dissertation Committees in Dept. of Guidance &
 Counseling. See attached
 Dept. of Psychiatry Departmental Committees:
 Chairman's Advisory Committee
 Children's Committee
 Division of Child & Adolescent Psychiatry
 International Year of the Child Planning Committee
 Department of Psychology, Departmental Committees:
 Clinical Psychology Committee
 Faculty Evaluation Committee
 Developmental Psychology Committee

9. Public Service

Brecht, Mark Allan--Member, Board of Directors, Villa de Paz Homeowners Association.

Volunteer consultant on environmental design to All Faiths Receiving Home, Albuquerque, NM.

Delaney, Harold D.--Talks on world hunger to various Christian groups.

Ellis, Henry C.-- Sponsor, New Mexico Symphony.

Ferraro, Douglas P.--New Mexico Heart Institute.

Harnick, Frances S.--Advisor to Hadassah on children.

Harris, Richard J.--Collected donations for the Heart Fund. Race chairman for New Mexico AAU 15-Kilometer championship. Course surveyor for Albuquerque Roadrunners Club.

Hodge, G. K.--Speaking engagement at the First United Methodist Church entitled "Drugs of abuse," March 25, 1979.

Miller, William Richard--Guest sermons for several churches, guitarist and choir member for St. Andrew United Presbyterian Church.
 Chair of Advisory Board to the Counseling Center: An Interfaith Agency.
 Guest teacher for Albuquerque Academy.
 District III Planning Task Force member

Norman, Ralph D.--Jewish Community Council.
 Community Center Planning Committee.

Roll, Samuel--Approximately 12 presentations to various community organizations as a service.

9. Public Service (cont.)

Rosenblum, Sidney--Arts Judaica Committee, Congregation B'nai Israel.

Ruebush, Britton K.--Member, United Way Executives Committee.

Member, Board of Directors, Southwest Broadway Youth Development Program.

Member, Host Committee, Albuquerque Friendship Force.

10. Personal Information

Ferraro, Douglas P.--Reached age 40 without precipitating a mid-age crisis!

Harris, Richard J.--Won WOLF Marathon (Univ. of Albuquerque, April 7), setting course record fo 3:04.11.

Won 38-48 division of UNM Intramural Budman Run, spring semester, 1979.

The Report of the Department of Sociology
July 1, 1979 to June 30, 1980
Pedro R. David, Chairman

I. GENERAL DEPARTMENTAL INFORMATION

During the Fall of 1979, Chairman Pedro David was on leave in Buenos Aires, Argentina in order to do research on Latin American criminology. Melvin DeFleur was Acting Chair in Professor David's absence.

A group of students from the University of Juarez visited on exchange as part of the projects on deviance in late Spring 1980.

A small amount of remodeling was completed in the Departmental Office during December of 1979 to allow for much needed office space and a more efficient mail distribution.

Staff Additions

The Department gained two new positions during the year as a result of increasing enrollments and effective functioning of the PhD program. A national search conducted, according to EEO rules, resulted in hiring Professor Gary LaFree for the Deviance and Criminology position, appointed for a three-year term and Professor Paul Steele for the Criminology position, appointed for a three-year term.

Lecturers

During the Spring 1980, lecturing to students of Deviance and NIMH students were: Miguel Lucero Palma,

Consultant to the Juarez University of Welfare; Charlene Tsoodle-Mareos, Head of the Indian Desk of Criminal Justice Department of the State of New Mexico; Jerrold Levy, Professor of Anthropology, University of Arizona at Tucson; and Felipe Gonzales, Chicano Studies, University of New Mexico.

Curriculum

At the graduate level new rules and regulations were established outlining different areas and concentrations of requirements for the Masters and PhD examinations. We have a total of 35 students in our doctoral and masters programs.

Graduate Assistantships were awarded to: Gary Lemons, Sallie Teaf, John Paul Jones, Aurora Lawrence, and during Spring, 1980 assistantships were awarded to Angelina Casillas and Ruth Reidy. RoseMary Clark was appointed Graduate Assistant for Sociology 100, Basic Skills Course.

We continue to have ten NIMH Traineeships.

II. FACULTY ACHIEVEMENTS

Bogart, Dodd H.

Articles: "Values, beliefs and opinion," published in a collection of innovative techniques for teaching the introductory course edited by Gertsen, Reed, Richard Sunden, Pat Allen and Emily Gunning, American Sociological Association Projects on Teaching Undergraduate Sociology, March 1979.

Bogart, Dodd H.
(continued)

"Feedback, feedforward and feedwithin: Strategic information in systems." Behavioral Science (in print).

Activities: Faculty Senate,
Budget Review Committee.

Coughlin, Richard M.

Articles: "Social Policy and Ideology: Public Opinion in Eight Rich Nations," in Richard F. Tomasson (ed.), Comparative Social Research, vol. 2 (Greenwich, CT: JAI Press, 1979), pp.3-40.

Books: Ideology, Public Opinion and Welfare Policy (Berkeley: University of California, Institute of International Studies, 1979); The Conversion Factor: A Novel About Social Movements (New York: Manor Books, forthcoming 1980).

Review: "Insight and Social Betterment" by James Rule, in Social Forces (Fall 1979).

Meetings: presented "Public Opinion on Social Policy in Rich Nations" at the 1980 meeting of the Comparative Interdisciplinary Studies Society, March 1980 in Los Angeles, CA; "Methodological Issues in the Comparative Study of Social Security" at the 1980 meeting of the Western Social Science Association, April 1980, Albuquerque, NM.

David, Pedro R.

Articles: "Contraband at the Border" in Problems of the Undocumented Worker, Latin American Institute (UNM), 1979, pp.51-54.

David, Pedro R.
(continued)

"Criminology in Argentina" in International Handbook of Contemporary Developments in Criminology, Greenwood Press, 37 pp. Elmer Johnson (ed.).

"Profile of a Juvenile Judge" in The Changing Faces of Juvenile Justice, L. Stewart (ed.), New York University Press, 41 pp.

"Human Rights in the World Today" in Comparative Criminology, Leonard Hippchen (ed.), 36 pp.

Books: Criminologia y estructura social Universidad del Zulia-Venezuela, 1979; 189 pages.

Sociologia Criminal Juvenil-5a.edicion. Depalma-Buenos Aires, July 1979; 264 pp.

Youth Delinquency-Recreation and Treatment-Buenos Aires, 6 Nov. 1979, 47 pages.

Interviews reported in: Mexican and Argentine Press, p. 4, "epoca" CORRIENTES, Oct. 13, 1979; SIETE DIAS, Aug. 9, 1979; p. 2 "epoca" CORRIENTES, Oct. 12, 1979; LA HORA, "conferencia sobre temas penales", EL OESTE, "excelentes conferencias de los doctores P. David y R. Levene." EL OESTE, "Habrá una conferencia sobre temas penales"; EL LITORAL, "Sociologia: reportaje a tres especialistas."; "Distincion al embajador Dr. R. Castro," CLARIN, July 1979; "Argentina y Estados Unidos," CLARIN, July 1979; Homenje-LA NACION, July 1979; "Perspectiva Norteamericana" in LA NACION, Nov. 25, 1979; Bibliografia: "Criminologia y Sociedad" Buenos Aires, 1979; Bibliografia: "Criminologia y Sociedad" LA LEY

David, Pedro R.
(continued)

Buenos Aires, 1979; EL OESTE,
"Jornadas de Derecho se haran
el Sabado en esta," 9-5-79.

Research: As a result of the Santa
Fe Prison Riot, he was consulted at
various stages of the problem;
research is underway at the moment.

Continue research on Project Pro-
posal for National Science Founda-
tion on Problems of Legal Socializa-
tion.

Joint project with the School of
Social Work on undocumented workers,
Universidad Autonoma, Juarez, Mexico.

Meetings: "Problems of Juvenile
Justice in North, Central and
South America-UN, Reno, Nevada,
May 25-28, 1979.

Addressed the Bar Association of
Mercedes-Buenos Aires, "The Judge
and Criminology", Sept. 8, 1979.

Addressed the IV National Congress
of Private Universities, 15,16,17,
October 1979.

Addressed the University of Buenos Aires
School of Medicine, "Drug Addiction
and Nutrition," 29 Oct.-Nov. 1, 1979.

Organizer and speaker in the 1st semi-
nar of Comparative Perspectives in
Higher Education, Inter-Iberoamerican
Association of Social Science, US
Embassy and Ministry of Education of
Argentina-Buenos Aires, Nov.16-20,1979.

"Juvenile Delinquency," at the 1st
Pan American Congress of Criminology,
Buenos Aires, Nov. 1979.

"University and Corporations in the
US" at the Institute of Higher Stu-
dies in Socio-Economics of Argentina,
Nov. 28, 1979.

David, Pedro R.
(continued)

"Adolescence and Psychopathic Behavior" to the Argentine Society of Psychomatic Medicine, Oct. 20, 1979.

"1st Pan American Congress of Professional Soccer" and "2nd National Workshops of Medicine and Soccer," in Buenos Aires, Nov. 21-24, 1979.

Participant speaker at the VI National Congress of Sociology, Cordoba, Argentina, Aug. 19, 1979.

"The World of Delinquent Youth" at the Center for Criminological Studies in Cordoba, Argentina, Nov. 20, 1979.

"Prospects for Military Withdrawal in Latin America," at the Meetings of the Western Social Science Association, April 25-26, 1980, Hilton Inn, Albuquerque NM.

"A Frank View of the Fulbright Commission Abroad" at the Fulbright Alumni Meeting, May 2, 1980, UNM Faculty Club.

Addressed the Rocky Mountain Social Science Association, 8th Annual Meeting.

Commentator on the Panel of MITRE, April 3-5, 1980 in Santa Fe, NM.

"What's wrong with our penal institutions?" at the Harvard-Yale-Princeton Club, April 7, 1980.

Activities: Appointed Secretary General of the Pan American Society of Criminology, Buenos Aires, Nov. 1979.

David, Pedro R.
(continued)

Visiting Professor for Sociology course organized by the "Sociedad de Estudio y Difusion Economico Social", CORRIENTES, Argentina, Sept. 21-24, 1979.

On Sabbatical, Fall of 1979 in order to do research on Latin American criminology.

Extraordinary professor at the Center for Criminological Studies, Cordoba, Argentina, Nov. 1979.

Member, University Press, Committee, Spring 1979.

Member, Albuquerque Committee in Foreign Relations.

Invited to advise the organization on the Meeting of the Sixth World Congress on Prevention of Crime and Treatment of Offenders to be held in Venezuela, Aug. 24-Sept. 2, 1980.

DeFleur, Melvin L.

Books: Sociology: Human Society, 3rd ed. (Glenview, IL: Scott-Foresman) forthcoming, Dec. 1980 with 1981 date.

Understanding Mass Communication (Boston: Houghton-Mifflin) forthcoming, Dec. 1980 with 1981 date.

Theories of Mass Communication (Spanish version, 1980).

Milestones in Mass Communication Research (forthcoming).

Social Problems in America (forthcoming).

DeFleur, Melvin L.
(continued)

Research: Grant of \$91,456 from the Center for Studies of Crime and Delinquency of the National Institute of Mental Health (5 T01 MH15219-03) PhD Training Program in applied research in deviant behavior.

Meetings: "An Axiomatic Theory of Attitudes and Behavior With Implications for Persuasion at Speech Communication Association Meeting, Portland, OR.

"Biosocial Theory of Human Communication" International Communication Association, Acapulco, Mexico, May 1980.

"A New Look At Human Communication" Florida International University, March 1980, Miami, Florida.

"A Biosocial Theory of Communication in the Perspective of Clinical Sociology" at the Southwestern Social Science Association Meeting, Houston, TX, 1980.

Activities: Organized session on "Mass Communication" Southwestern Sociological Association, Ft. Worth, TX, 1980.

Delivered Founder's Lecture to the Association for Education in Journalism, Houston, TX, 1979.

"A Federally Funded PhD Program on Applied Research on Deviant Behavior" Southwestern Social Science Association, Atlanta, GA, 1979.

Chaired session on "The Best Three Papers" Western Speech Association, Los Angeles, CA, 1979.

DeFleur, Melvin L.
(continued)

Served as Acting Chair for
Summer and Fall, 1979.

Gehlen, Frieda L.

Book Review: "The Status of
Women in Pre-Industrial
Societies" by Martin King
Whyte in Social Forces, Vol.
57 (June 1979), pp. 1429, 1430.

Research: working on a study
of the church and older persons,
with a particular concentration
initially on retirement among
clergymen, also including a study
of the attitudes of ministers
toward ministry to older members
of the parish, 1979-80.

Activities: Referee for Social
Forces; Member of the Review
Panel for the National Science
Foundation, Comprehensive Assis-
tance to undergraduate Science
Education Program, Los Angeles,
CA, Jan. 1979; Benefits Committee;
Departmental Recruitment Committee;
Lutheran Campus Council.

Sabbatical-Academic year 1979-80.

Huaco, George A.

Reviews: "Satan's Power" in
Sociological Analysis, 40,1,
1979-80.

"The Melancholy Science: An
Introduction to the Thought of
Theodor W. Adorno" in Social
Forces, Spring 1980.

Presentation: "Toward a Sociology
of the Occult Tradition" to the
Sociology Department Colloquium,
UNM, Spring 1980.

Activities: Summer 1979, taught
at the Universidad Autonoma de
Guadalajara, Jalisco, Mexico.

Huaco, George A.
(continued)

Summer, 1980, serving as
Acting Chair for Sociology
Department.

LaFree, Gary D.

Articles: "Variables Affecting
Guilty Pleas and Convictions in
Rape Cases: Toward A Social
Theory of Rape Processing."
Social Forces, March 1980.

"Assessing Official Reactions
to Sexual Assault: A Multivariate
Analysis of the Police Response"
(under review).

"The Effect of Race on Criminal
Processing in Rape Cases: New
Evidence from a Longitudinal
Study" (under review).

"Sexual Politics in Court: The
Prosecution of Sexual Assaults
and other Felonies" (with Dr.
Martha Myers; under review).

Review: "The Other Side of
Rape and Understanding the
Rape Victim", Journal of Marriage
and the Family (forthcoming).

Research: "Structural Analysis
Of Jurors' Verdicts in Rape
Trials" sponsored by NIMH,
No. R01 MH29727-01A1, National
Center for the Prevention and
Control of Rape, Total direct
and indirect costs of grant for
2 year funding period:\$225,000
(1978-80).

"Race and Involvement in Common
Law Personal Crimes" (early stages
of data collection; small grant
from the Research Allocation
Committee, is pending).

Meetings: "Variables Affecting
Guilty Pleas and Convictions in
Rape Cases: Toward A Social Theory

LaFree, Gary D.
(continued)

of Rape Processing," at the
Midwestern Sociological Association
Meeting, Minneapolis,
April 1979.

"Sexual Politics in Court: The
Prosecution of Sexual Assaults
and Other Felonies" at the Amer-
ican Criminological Association
Meeting, Philadelphia, Nov. 1979.

"Assessing Official Reactions to
Sexual Assault: A Multivariate
Analysis of the Police Response"
at the Pacific Sociological
Association Meeting, San Francis-
co, April 1980.

"The Effect of Race on Criminal
Processing in Rape Cases: New
Evidence from a Longitudinal
Study" at the American Sociolo-
gical Association Meetings,
New York, Aug. 1980.

Activities: Radio and television
interviews on crime and crime
rates, 1979-80.

May, Philip A.

Research: with Phillip S.
Katz, "Motor Vehicle Accidents
on the Navajo Reservation: 1973-
75" printed monograph, Navajo
Health Authority, Window Rock,
AZ, 104 pp., May 1979.

With Phillip S. Katz, "Motor
Vehicle Accidents on the Navajo
Reservation: Public Information
Pamphlet" Navajo Health Authority,
8 pages, May 1979.

With Phillip S. Katz, "Motor
Vehicle Accidents on the Navajo
Reservation: Health Planning
Summary" Navajo Health Authority,
21 pages, June 1979.

May, Philip A.
(continued)

Meetings: with R.L. Brod and T.W. Stewart, "Recruitment and Retention of Federally Employed Physicians on the Navajo Indian Reservation" at Annual Meeting of the Rural Sociological Association, Boston, Aug. 1979.

"Motor Vehicle Accidents and Prevention" at the Navajo Health Conference Alcoholic Workshop, Aug. 15-17, 1979; Tuba City Indian Health Service Hospital, Tuba City, AZ, Nov. 8,9, 1979.

Three lectures on Motor Vehicle Accidents-Their Causes and Prevention: Alcohol Legalization and American Indians; Drinking Among Indians.

Consultant to a Meeting between Navajo Tribal Health Officials.

On the executive committee of the staff of Governor Bruce King's personnel on the Prevention of Auto Accidents in New Mexico, Aug. 28, 1979.

Consultant and Project Director, Fetal Alcohol Syndrome Project, sponsored by Indian Health Service, All-Indian Pueblo Council, Dec. 1979 to present.

McNamara, Patrick H.

Research: completed 5 year survey of seniors at St. Pius High School. Received University funding from Research Allocations Committee to pool the 5 years of data into one dataset. The latter project will be completed this summer, 1980.

McNamara, Patrick H.
(continued)

Research continuing on human rights with particular focus on Latin America and the role of the Catholic Church, paper will be presented in Fall of 1980 (Nov.) at the Annual Meeting of Society for the Scientific Study of Religion, Cincinnati, OH.

Activities: Panel participant on the family, crises and suggested solutions. Sponsored by the National Endowment for the Humanities in connection with the International Year of the Child, Nov. 1979.

Presentation on Contemporary American religion in two talks: October 1979 and June 1980 to Sandia Civitan Club, Albuquerque, NM, sponsored by University of New Mexico Speakers Bureau.

Membership on Executive Committee of Religious Studies Program.

Undergraduate Advisor for Department of Sociology.

Member, Academic Press and Tenure Committee, Sept. 1979-Feb. 1980.

Membership on the Athletic Council involved an extraordinary commitment of time due to the "crisis" in the basketball and football program. From this commitment came membership on search committee for Assistant to the Athletic Director for Academic Advisement, completed in May 1980 with the hiring of a person for this position.

Meier, Harold C.

Research: Project concerning impact of historical changes in economic systems of Cuba on structure and functions of Cuban family life, with special attention to the changing roles of Cuban women in the family and in the society, tracing such changes from colonial times to present, Summer 1980.

Merkx, Gilbert C.

Articles: "A Review of the Issues and Groups Involved in Undocumented Immigration to the US" in The Problem of the Undocumented Worker, Robert S. Landmann, ed. (Washington: Community Services Administration, 1979), pp. 7-14.

"Mobilization and Demobilization in Latin America" with Karen L. Remmer, in John J. Brasch, ed., 1979 Proceedings of the Rocky Mountain Council on Latin America (Lincoln: University of Nebraska), pp. 249-255.

"Argentine Social Science," Latin American Research Review, vol. 14, no. 1, pp. 228-233.

Meetings: "Mobilization and Demobilization in Latin America," at Rocky Mountain Council on Latin America, in El Paso, TX, May 5, 1979.

Activities: President, Rocky Mountain Council on Latin America, 1979-80.

Member, Committee on the Profession, Consortium of Latin American Studies Programs, 1979-80.

Merkx, Gilbert C.
(continued)

Consultant to Holt, Rinehart,
and Winston.

Member, Public Advisory Board,
University of New Mexico-EMD,
Socio-Economic Study of the
WIPP.

Governing Board, New Mexico
Consortium on Latin American
Studies.

University Press Committee;
Regents Committee on Member-
ship on Search Committees.

Search committee, UNM Press
Director; President, Faculty
Council on Latin America; Search
Committee for Director of the
Latin American Institute.

Chair, Provosts' Task Force on
the Southwest Hispanic Research
Institute; Policy Committee,
Latin American Institute;
Budget Committee, Latin American
Institute.

Chair, Graduate Committee,
Sociology Department; Standing
Evaluation Committee.

Latin American Institute; Planning
Committee for the Visit of
President Lopez Portillo of
Mexico; Deans' Advisory Committee,
Arts and Sciences; Mexico Week
Committee.

St. George, Arthur

Articles: "Mass Media, Political
Behavior and Political Attitudes"
submitted to the American Socio-
logical Review.

Research: "Revitalization and
Change in Police Agencies" submitted
to the Law Enforcement Assistance

St. George, Arthur
(continued)

Administration; continuing research on biography of dramatist and environmentalist, Joseph Wood Krutch.

Activities: Graduate Committee, Sociology Department.

Arts and Sciences Computer Use Committee.

Steele, Paul D.

Articles: with L.A. Zurcher, "Leisure Sports as 'Ephemeral Roles': An Exploratory Study." Pacific Sociological Review, July 1973, reprinted in Yiannakis, Andrew (ed.), Sport Sociology: Contemporary Themes (2nd ed.), Kendall/Hunt, 1979.

with J.L. Bushnell, M.J. Burke, M. Arnsdorf, "Evaluation of a Sexual Assault Treatment Center" Fall 1979, Nursing Administration Quarterly;

Technical report, with M. Knudten and P. Chalfant, Texas Juvenile Alcoholism Project, Research Report, Texas Commission on Alcoholism, 1979.

with C. Sobczak and M. Peterson, "Evaluation of a New Sexual Assault Treatment Center", research report, National Institute of Mental Health, 1979.

"Labor's Perceptions of Drug Use and Drug Programs in the Workplace" in Journal of Drug Issues (forthcoming, Fall 1980)

with A.S. Davenport, R.L. Hubbard, "Management Styles and Organizational Reactions to Drug Abusers" in Journal of Drug Issues (forthcoming, Fall 1980).

Steele, Paul D.
(continued)

"Drug and Alcohol Misuse Among the Elderly: Problems and Prospects", Drugs and the Elderly, Proceedings of the Annual Conference of the Wisconsin Association on Alcoholism and other Drug Abuse, University of Wisconsin Press, forthcoming, Fall 1980.

Research: Staff Associate, Evaluation/Policy Research Associates, May 1979-Sept, 1979. National Institute on Drug Abuse, "Drug Misuse Among the Elderly" research for the National Institute on Drug Abuse, Jan. 1979.

"Plan for an Experimental Project in Probationer Rehabilitation" for the Law Enforcement Assistance Administration, Division of Corrections, State of Wisconsin, with CAS Subcontract for design and evaluation, June 1979.

Activities: Human Subjects Review Committee, College of Arts and Sciences.

New Mexico Council on Crime and Delinquency.

Ad hoc Committee on Prison Reform.

Tomasson, Richard F.

Books: Iceland: The First New Society, University of Minnesota Press, 1979, 273 pages.

Comparative Social Research (ed.) JAI Press, and John Wiley, 357 pages.

Articles: "Conflicting Philosophies of Higher Education: What We Are Fighting About," in American Sociologist, 14:4 Nov. 1979.

Tomasson, Richard F.
(continued)

Reviews: Walter Korpi, "The Working Class in Welfare Capitalism: Work, Unions and Politics in Sweden" in Contemporary Sociology 8:3(May)1979, pp.479-480.

Thomas J. Anton, "Governing Greater Stockholm" in Scandinavian Studies 51:2(Spring)1979, pp. 177-179.

Ezra N. Suleiman, "Elites in French Society" in Sociology: Review of New Books 6:5(July/Aug.), 1979, p. 132.

"Report of the President" of SASS, Scandinavian Studies 51:3 (Summer) 1979, pp. 333-334.

Advisor to:
Kenneth Janda, Comparative Political Parties: A Cross-National Survey, (forthcoming.)

Meetings: "Prenatal Care, Birthing and Postnatal Care in Sweden" presented at the International Year of the Child Symposium, Albuquerque, Sept. 1979.

Chaired session on "Social Policy and Social Control in Scandinavia" at the SASS meetings, Lawrence, KS, May 1980.

Attended Meetings of the American Sociological Association in Boston, MA, August 1979.

Participant in the Scandinavian Translation Conference at the University of Minnesota, Sept. 1979.

Participant in the annual conference of teachers of Swedish, San Francisco, November 1979.

Tomasson, Richard F.
(continued)

Chaired a session on "Social Welfare in Rich Societies" at the International Studies Association Meetings, March 1980, Los Angeles, CA.

Attended a seminar on Swedish politics at the University of Michigan, Ann Arbor, April 30, 1980.

Attended annual meeting of the Society for the Advancement of Scandinavian Study, University of Michigan, Ann Arbor, May 1980.

Attended meeting of the Comparative Interdisciplinary Studies Society in Los Angeles, CA, March 1980.

Activities: Editor, Comparative Social Research.

Advisory Editor, Journal of Political And Military Sociology.

President of the Society for the Advancement of Scandinavian Society (SASS) until May 1980.

Elected Chairman of Comparative Interdisciplinary Studies Society for 1980-81 at Toronto meeting in March 1980.

Member of Sub-committee on Western Europe; Committee on World Sociology; member of the Council on Comparative Interdisciplinary Studies Society; Arts and Sciences Promotion Committee; PhD Dissertation Committee of Eric J. Devor in Anthropology titled "Historical Demography in the Islands, Finland: The Size and Composition of Households and Families from 1760 to 1880."

Tomasson, Richard F.
(continued)

Honors: National Endowment for the Humanities Award made to the University of Minnesota Press to aid publication of my book, Iceland: The First New Society.

Member of the Advisory Committee on Scandinavian Publications, University of Minnesota Press.

Valdés, Nelson P.

Articles: "Cuba y la guerra entre Somalia y Etiopia" Estudios de Asia y Africa, Vol. XIV, No. 2 1979, pp. 244-267.

"Cuba y Angola: Una Política de Solidaridad Internacional" Estudios de Asia y Africa, Vol. XIV, No. 4, 1979, pp. 601-668.

"Revolutionary Solidarity in Angola" in Cuba in the World, edited by Cole Blasier and Carmelo Mesa Lago, University of Pittsburgh Press, 1979, chapter 4.

"The Cuban Revolution: Economic Organization and Bureaucracy," Latin American Perspectives, Vol. VI, No. 1, Winter 1979, pp. 13-37.

Meetings: "Random Thoughts on the Transition to Socialism Problematic" at the National Conference on Cuba, November 2, 1979, New York.

"Radical Feminism and the Cuban Revolution" at the National Conference on Cuba, November 2, 1979, New York.

"Cuba's Economic System" at the National Conference on Cuba, November 2, 1979, New York.

"Cuba's Relations with the Caribbean" at the Central American Conference, Las Cruces, NM, November 1979.

Valdés, Nelson P.
(continued)

"Latin America Today: Problems and Prospects" sponsored by the Latin American Consortium, UNM, March 8, 1980, Moderator.

"Problems of Women in Latin America" at the Roundtable Discussion sponsored by the Student Organization of Latin American Studies, UNM, March 5, 1980.

Honors: 1980 Tinker Foundation Fellowship.

1980 Ford Foundation Research Grant.

Assistant Director for Academic Programs, Latin American Institute (1980-81).

Woodhouse, Charles F.

Research: with Henry J. Tobias, University of Oklahoma, "Revolutionary Optimism and the Practice of Revolution".

with Dodd Bogart, on an article in progress on organizations and social change.

Activities: Member, University Curricula Committee; member, Curriculum Committee in the Department of Sociology; Undergraduate Advisor in the Department of Sociology.

III. DEPARTMENTAL COMMITTEES

Committees during this academic year:

Graduate: Gilbert Merx (Chairman), Arthur St. George and Patrick McNamara.

Curriculum: George Huaco (Chairman), Charles Woodhouse, Nelson Valdés and Philip May.

Committees (continued)

Recruitment: Melvin DeFleur (Chairman, 1st semester),
Pedro David (Chairman, 2nd semester), Richard
Tomasson, Philip May and Gary LaFree.

Research: Melvin DeFleur (Chairman), Harold Meier,
Dodd Bogart, Richard Coughlin and Paul Steele.

Student Grievance: Graduate Committee

Salary: Richard Tomasson (Chairman), Frieda Gehlen and
Philip May.

The Report of the Department of Speech Communication
July 1, 1979 - June 30, 1980

Kenneth D. Frandsen - Chairman

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The Report of the Department of Speech Communication
July 1, 1979 - June 30, 1980

Kenneth D. Frandsen - Chairman

I. General Departmental Information

A. Significant Achievements

At the beginning of the 1979-80 academic year, four new faculty members joined the Department: B. Spiker (Organizational Communication/Director of Forensics), J. Schuetz (Rhetorical Communication), E. Kaminzki (Organizational Communication), and K. Frandsen (Chairman), bringing the total number of full-time faculty to ten. During the year the Department recruited and appointed an additional new faculty member, A. Lichtenstein (Telecommunication) who will replace R. Schrag at the beginning of the 1980-81 academic year. These appointments have strengthened the Department's capabilities significantly and they match the preliminary goals of the Department as outlined in the 1979 Statement of Organization and Direction (see Attachment A, 1978-79 Annual Report). The Department's long-range goal, namely, a faculty of twelve full-time members, has not been met and continues to be warranted by the need for flexibility and the pressure to be responsive to expectations concerning teaching, research and service.

The details of this report document the increasing levels of involvement, commitment, and achievement by faculty and students in the areas of teaching, research and service. Nevertheless, this report also documents the Department's continuing need for improved physical facilities, additional graduate teaching assistants and

and full-time faculty, and increased budgetary support.

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1. Instructional Activities: (grading practices, course enrollments and demands, evaluation of instruction, curriculum modification and development, special programs).

a. Grading Practices: The departmental faculty and staff have continued their effort to assign grades in a manner that reflects the accomplishments of students accurately. Several of the faculty use "criterion-referenced" rather than "norm-referenced" standards for evaluating the progress of students. The use of these standards often provides students with an early indication of their prospects for achieving high marks at the end of the semester. These early signals prompt some students to delay enrollment or drop courses while their successful peers remain enrolled. The net effect of this combination of criterion-referenced standards and student de-selection is that A's and B's may account for a larger proportion of all grades especially in upper division courses or in some lower division courses required of students in other major programs but delayed until later in the student's overall program of studies. Analysis of grade reports submitted by faculty in this Department indicates that these factors account, in part, for the character of the grade distribution for courses in Speech Communication.

b. Course Enrollments: The demands of both traditional and non-traditional students for courses in Speech Communication has remained high and is increasing. In introductory courses that are typically offered each semester (101, 102, 130, 221, 240 and 268) student enrollments number between 900 and 1050, with an additional 500 enrolled in

other classes. Enrollments in the Fall semester were only slightly higher than enrollments in the Spring, and the demand for courses offered during late hours and in the Summer Session has remained strong.

c. Evaluation of Instruction: Reports of students' evaluation of instruction continue to indicate average to high average ratings and otherwise reflect the students' conviction that the faculty of this Department are both demanding and effective in the conduct of their instructional activities. There is consensus among the faculty that the most useful form of evaluation is a form that is "course-specific" and keyed to students' estimates of their progress toward the achievement of course goals.

d. Curriculum Modification and Development: The Department continued its participation in the activities of the University Radio, Television and Film Council throughout the year. The Council's function has been to coordinate the efforts of the Departments of Speech Communication, Journalism, Theatre Arts, and Educational Foundations in the acquisition of equipment, the appointment of faculty and staff and the development of curricular paths for students interested in pursuing various aspects of the study of Mass Communication. The contribution of the Department of Speech Communication to this coordinated effort will be to offer a curriculum segment which emphasizes the history, regulation, social effects, management, marketing, and comparative or critical analysis of electronically mediated messages. In addition, student internships will be structured and supervised by departmental faculty in cooperation with commercial and non-commercial broadcasting organizations. The Department submitted

and received approval of several course changes and two new courses (110 and 262) as an initial step in the implementation of the "Report of the Curriculum Subcommittee of the Radio TV/Film Coordinating Council" (see Attachment B, 1978-79 Annual Report). The Department acquired several equipment items necessary to support its offerings and participated in the development of a policy regarding internship standards, requirements and activities. As modifications and additions to the Department's curriculum are completed, announcement of their nature and availability will be made within the University and to the community at large.

During the year the faculty began discussion of the development of an advanced curriculum in Applied Communication Studies. The Department has continued to offer courses at the Santa Fe Graduate Center and to consult widely with representatives of governmental, business and non-profit organizations. The relative success of these activities and courses invites consideration of Applied Communication Studies. The Department has strengthened its affiliation with the Department of Sociology through the joint appointments of M. DeFleur and T. Plax in both departments and through the cross-listing of courses. Similarly, the Department has increased its involvement in the American Studies and Religious Studies programs through the offering of courses and the cooperating efforts of R. Jensen and J. Schuetz. The Department, through its curriculum and faculty, has continued to serve the needs of intermediate and advanced students in the Anderson School of Management, the College of Education, Dental Programs, and the School of Nursing.

e. Special Programs: During the Fall semester the Department

sponsored and provided faculty assistance in the UNM Forensic Union's annual Wayne C. Eubank Invitational Tournament. The details of this activity and the record of accomplishments of participants in the Forensics Program are included in the annual report of the Director of Forensics (see attachment).

In January of 1980, with the sponsorship of the Provost's office, the Department coordinated a series of sessions focused on the development of instruction and research in Mass Communication. Dr. Barry Sherman (Western Michigan University) met with faculty and students representing the Departments of Journalism, Sociology, Theatre Arts, Educational Foundations and Speech Communication to discuss methods and materials for instruction in courses about the history and criticism of television broadcasting. The purpose of these sessions was to assist faculty in the development of a new course to be jointly listed and offered by the Departments of Journalism, Speech Communication and Theatre Arts. The course, "Evolution of Television," will be offered for the first time during the Fall Semester of the 1980-81 academic year and will serve as the introductory course for students interested in the available variety of curricular pathways in the area of Mass Communication. Dr. Sherman also reported his research concerning the composition and activities of citizens' groups that are organized to affect the structure and content of television broadcasting.

During the Spring Semester the Department invited two applicants to interview for a position on the faculty. As a part of their visits, L. Wenner (University of Iowa) and A. Lichtenstein (State University of New York, Buffalo) reported their research on the

characteristics of television audiences. The Department cosponsored with the Department of Educational Foundations, a series of sessions featuring O. J. Harvey (University of Colorado) who reported his research on the structure of belief systems. Each of the colloquia presented by these guest lectures was attended by faculty and students from other departments, and several persons who attended these sessions expressed their enthusiasm for regularly scheduled sessions designed to provide opportunities for faculty and students to report research and explore possibilities for increased interdisciplinary study of human communication.

2. Departmental Operations and Activities: (Faculty Decision-Making, Service in the University, Service to Professional Associations, Research Appointments and Sabbatical Leaves, Departmental Library, Physical Facilities).

a. Faculty Decision-Making: Throughout the year, when policy and personnel matters required consideration, the faculty of the Department met as a Committee of the Whole or were consulted individually and collectively for their advice and consent. Some matters requiring codification or recommendations were given attention by subcommittees, such as departmental policies on the Master's Examination and Forensic Scholarships, the search and screening for a new faculty appointee, and the development of a departmental brochure. Faculty meetings were held less frequently than in past years but the reduction in the number of formally scheduled meetings was not accompanied by any objectional reduction in the participation of faculty in the decision-making process.

b. Service in the University: Faculty of the Department served the University Community through membership on a variety of committees. In the College of Arts and Sciences, L. Rosenfeld served on the Promotion Committee for Social Sciences and T. Plax chaired the Arts and Sciences Committee on the use of human subjects in research. J. Civikly continued her membership on the Linguistics Faculty and R. Jensen represented the Department on the Arts and Sciences Graduate Committee. At the University level, the Department was represented on the Radio/TV/Film Coordinating Council by J. Civikly and K. Frandsen. L. Rosenfeld served on the Admissions Committee and J. Civikly was a member of the Curriculum Committee of the Faculty Senate. R. Schrag continued his membership on the Student Radio Board.

c. Service to Professional Associations: Several members of the faculty actively contributed to the work of State, Regional, National and International professional organizations. R. Jensen was President of the New Mexico Communication Association and was appointed to the editorial staff of Liberal and Fine Arts Review and to the Commission on International and Intercultural Speech Communication of the national Speech Communication Association. L. Rosenfeld continued his editorship of the Western Journal of Speech Communication and was appointed to membership on the Publications Board of the national Speech Communication Association. Rosenfeld also served as a member of the SCA's Awards Committee. J. Civikly chaired the Speech Communication Education Group, J. Schuetz served as Secretary of the Freedom of Speech Group, R. Jensen was Vice Chair of the Rhetoric and Public Address Group, and K. Frandsen was elected as a Delegate to the Legislative Assembly of the Western Speech

Communication Association. Frandsen also continued his membership on the editorial board of Communication Quarterly, the publication of the Eastern Communication Association. Jensen and Civikly continued their membership on the editorial board of the Western Journal of Speech Communication. E. Kaminski chaired the SCA's Committee on Communication and Law, and J. Schuetz was appointed to the Association's Committee on Accountability and Responsibility in Governmental Communication. T. Plax and M. DeFleur were invited to present their paper, "A Biosocial Theory of Human Communication," in English and in Spanish at the annual meeting of the International Communication Association in Acapulco, Mexico. In Forensics, UNM Director of Forensics, B. Spiker, became a member of the District IX National Individual Events Tournament Committee, and Assistant Director, J. Reynolds, was elected as the Southwest Representative to the National Executive Council of the Cross-examination Debate Association.

d. Research Appointments and Sabbatical Leaves: During the 1979-80 academic year two members of the departmental faculty were assigned partly or completely to scholarly activities. L. Rosenfeld was relieved of one-third of his teaching duties to enable him to meet his editorial responsibilities, and E. Zannes was granted a sabbatical leave during the Fall Semester for travel and research in the area of communication and law enforcement.

e. Departmental Library: J. Civikly has served as the Department's Library Liaison during the past year. The Department has continued its effort to acquire and organize material in a Departmental Library. The Department's present holdings have been completely inventoried and catalogued and space has been reserved for the

purpose of maintaining a working collection and making it available to faculty, staff and students. However, both space and funds necessary to house and develop a useful working collection seem to lie outside the present and projected resources of the Department.

f. Physical Facilities: The faculty and graduate teaching assistants of the Department continue to be housed in three separate buildings (1801 Roma, 1805 Roma, and 613 Buena Vista NE). Office spaces for faculty in 1805 Roma (second floor) continue to violate regulations concerning the handicapped (the only access to the second floor is by staircase), and health regulations (the previous men's room is used by both men and women). The roof of 1801 Roma leaks during heavy rain and the leakage has damaged and impeded work undertaken by the secretarial staff. The Department continues to operate at a handicap because of the lack of adequate and usable space for faculty meetings and colloquia, graduate seminars, and laboratory research. The video tape recording and playback equipment in the Department will become available for increased use in teaching and research but much of it requires repairs or updating. Departmental plans to occupy space currently held by the Department of Communicative Disorders (608 Buena Vista) have not materialized as expected. As the faculty of the Department stabilizes and increases its involvement in research the need for adequate office space and research facilities increases proportionately at the least. This need has been documented in previous reports to the Dean of the College of Arts and Sciences and to the University Architect.

B. Significant Plans and Recommendations.

1. Degree Programs.

Chief among the Department's plans is the development and enhancement of curricula in Telecommunication at the undergraduate level and the strengthening of our program at the graduate level. The Department's efforts in the area of Telecommunications will likely follow the lines suggested by the Report of the Curriculum Subcommittee of the Radio/TV/Film Coordinating Council. Because there is no doctoral program in Speech Communication available within the State of New Mexico, students who earn Master's degrees in Speech Communication must look elsewhere for opportunities to continue their advanced work. Several of our students have gained admission to and are supported in doctoral programs at other major institutions (e.g., University of Iowa, Michigan State University, University of Kansas). The number of inquiries and requests concerning doctoral and post doctoral work in Communication at UNM is increasing at an increasing rate. Faculty expertise and experience in the direction of doctoral work is presently available especially in the areas of interpersonal and mass communication. The University, the College, and the Department should begin immediately to give serious consideration to the implementation of a Ph.D. program in Communication Studies.

2. Funded Research.

The Department plans to continue its active search for outside funds that will support research. Currently the work of some faculty is being supported by individual or combined grants from the National

Science Foundation, the Department of Labor, the Department of Energy and the former Department of Health, Education and Welfare. Additional negotiations with each of these agencies and with the National Institutes of Health are being conducted in the interest of expanding the Department's involvement in sponsored research. Individual faculty members have established liaison with several private firms which may, in their turn, provide support for research (e.g., Mountail Bell, McGraw-Hill Books, Rockwell International).

3. University Forensics Program.

The Department is cooperating with the executives of ASUNM in the development of supplementary fiscal support for competitive and non-competitive aspects of the forensics program at UNM. A major problem facing this program is the rapidly escalating cost of travel, meals and lodging as a result of the current inflationary spiral in the nation's economy. Increasing numbers of students are seeking opportunities for participation in forensics activities while the number that can participate must be steadily reduced in order to match the size of the program with its current budget allocation. Unless some form of supplementary fiscal support is located and made available to meet the rising costs of travel, meals, lodging and tournament entry fees, the program will have to be seriously curtailed or abandoned. Typically, forensics activities attract students with evident potential for capable leadership and high levels of academic achievement. Such students can provide excellent representation of the academic character of the University to students and faculty at other institutions and to members of the

non-academic community. The loss of this program would result in an equivalent loss to the University in its power to attract and in its effective representation by students of such high quality. The Department plans to continue its review of this program in order to formulate a specific series of recommendations for consideration by appropriate officers of the University.

C. Appointments to Staff

1. Faculty

K. Frandsen, Chairman
 E. Kaminski, Asst. Prof. (Organizational Communication)
 J. Schuetz, Asst. Prof. (Rhetoric)
 B. Spiker, Asst. Prof. (Organizational Communication) and
 Director of Forensics.

Faculty continuing for the 1979-80 academic year were

J. Civikly, R. Jensen, T. Plax, L. Rosenfeld, R. Schrag, and
 E. Zannes.

2. Graduate/Teaching Assistants

Lawrance Bernabo
 Kyle Hardy
 Mary-Ann Leon
 Christina Reynolds
 John Reynolds
 Tanis Rickmers

3. Staff

No new staff appointments were made. Continuing staff were:

Barry Kirk, Electronic Technician I
 May Polivka, Department Secretary
 Margaret R. Poor, Staff Secretary.

4. Work-Study Students

Dora Gonzales, Clerk-Typist, Academic year
 Louis Telles, Equipment Checkout, Semester II
 Leslie Whited, Key punch Operator, Semester I

D. Separations from StaffFaculty

Robert L. Schrag, Asst. Prof., May 18, 1980.

II. Faculty Accomplishments: January 1, 1979 - December 31, 19791. Advanced Study

Barry K. Spiker. Requirements completed for Ph.D., Ohio University.

2. Sabbaticals, leaves of absence, summer teaching elsewhere

Kenneth D. Frandsen. Visiting Professor, Ohio University, Spring Quarter 1979.

Estelle Zannes. Sabbatical leave Semester I, 1979. Visited Japan, Thailand, Hong Kong, Singapore, India, Egypt, Italy, Greece, England, studying police communications systems in various countries.

3. New scholastic honors, fellowships, etc.

Janice E. Schuetz. Outstanding Young Women in America, September, 1979.

Barry K. Spiker. Dissertation, "Information uncertainty and communication satisfaction: A descriptive and cross-validation analysis in organizations," nominated for Dissertation of the Year Award, 1979, Ohio University.

4. PublicationsJean M. Civikly

Anatomical and Psychological Sex Differences (in Self-Disclosure) With L.B. Rosenfeld and J.R. Herron. In G. Chelune (Ed.), Self-Disclosure: Origins, Patterns and Implications of Openness in Interpersonal Relationships. San Francisco: Jossey-Bass, 1979, pp. 80-109.

Kenneth D. Frandsen

"An Intercultural Test of the Generality of Interpretations of Nonverbal Cues," International Journal of Intercultural Relations, 1978, 2, 410-425. (with M. R. Rudden).

"Speech and Language Sciences: 1977," Association for Communication Administration Bulletin, 1979, No. 28, 46-56. (with J. U. Greene).

"Need-fulfillment and Consistency Theory: Relationships between Self-esteem and Eye Contact," Western Journal of Speech Communication, 1979, 43, 123-133. (with J. O. Greene).

4. Publications

Kenneth D. Frandsen (cont'd)

"Cognitive Balance, Structural Models and Communicative Influence: An Explication and Proposed Extensions," Western Journal of Speech Communication, 1979, 43, 246-259. (with R. L. Peterson).

Richard J. Jensen

"Rhetoric as a Reflection of Tradition: The Speaking of American Labor Leaders," NewMexiCom, 6 (Fall 1979), pp. 1-8.

Timothy G. Plax

"Role Enactment as a Socially Relevant Explanation of Self Persuasion," Human Communication Research, Spring 1979, pp. 203-214.

Lawrence B. Rosenfeld

"Receiver Differences and the Comprehension of Spoken Messages," Journal of Experimental Education (Fall 1979). (with Timothy G. Plax).

"Sex Differences and Democratic Leadership Behavior," Southern Speech Communication Journal, 45 (Fall 1979), 69-78. (with Gene D. Fowler).

"Self-Disclosure Avoidance: Why I Am Afraid to Tell You Who I Am," Communication Monographs, 46 (1979), 63-74.

"Beauty and Business: Looking Good Pays Off," New Mexico Business Journal, 3 (1979), 22-26.

"Anatomical and Psychological Sex Differences" (with Jean Civikly and Jane Herron) and "Research Bibliography" in Self-Disclosure, ed. Gordon Chelune (San Francisco: Jossey-Bass, 1979), pp. 80-109, and 261-376, respectively.

Robert L. Schrag

"Mork and Mindy: A New Vision for American Youth." Exetasis: A Journal of Rhetorical Criticism, Vol. 5, No. 4, July 6, 1979, pp. 27-36.

"Harry Chapin Meets Kenneth Burke: Rhetorical Criticism for the Mass Communication Student." The Michigan Speech Association Journal, Vol. 14, 1979, pp. 31-40.

Estelle Zannes

"The Human Factors Group in the United Kingdom: Placing Man Before the Machine." The Police Chief, September 1979, pp. 58-59.

5. Other Research Projects or Creative Work in Progress or Completed

Jean M. Civikly

Preparation of Manuscript: Readings in Human Communication, to be published in 1980 by Holt, Rinehart and Winston.

5. Other Research Projects or Creative Work in Progress or Completed

Kenneth D. Frandsen

Chapters in Handbook of Rhetoric and Communication, Allyn and Bacon, forthcoming.

Chapter in Communicative Speaking and Listening, 5th Ed. Holt, Rinehart & Winston, forthcoming.

Edmund P. Kaminski

"... And nothing but the truth": How well can observers detect deceptive testimony? In B. D. Sales (Ed.), Perspectives in law and psychology, Volume II: The jury, judicial and trial process. New York: Plenum (in press). (with G. R. Miller, J. E. Bauchner, J. E. Hocking, and D. R. Brandt.

"Detecting deception from verbal, visual and paralinguistic cues." Human Communication Research. (In press). (With J. E. Hocking, J. E. Bauchner and G. R. Miller).

Timothy G. Plax

Proposals written: "A Proposal to Test a Structural Theory of the Relationship Between Attitudes and Behavior." Being negotiated with the National Science Foundation.

"Public Conceptions of the Dangerousness Among the Mentally Ill: Mediated vs. Empirical Reality." Under consideration by the National Institutes.

Work in Progress:

"Communication, Attitudes and Behavior: An Axiomatic Theory with Implications for Persuasion Research."

"A Trace Theory of Human Communication."

"Media Traditions in the Portrayal of Criminal Insanity."

"A Meaning Theory of Mass Communication Effects."

"Counterattitudinal Communication and Getting Along Interpersonally" Toward a Self-Persuasion Theory of Social Coaptation."

"Leader Orientation and Verbal Message Behavior as Determinants of Student Satisfaction."

"The Effects of Anxiety Arousing Messages and Receiver Assertiveness on Communicative Predispositions."

Lawrence B. Rosenfeld

Continuing work on the Fair Hearing Project, sponsored by NSF, HEW, and DOL (grant housed at UNM and the University of Denver).

Interplay (textbook). Publisher: Holt, Rinehart and Winston, 1980.

Janice E. Schuetz

Writing (co-authoring) textbook on Public Speaking

Writing article on Rhetorical Criticism and Hermeneutics

Writing article on Rationality and Revolution

Estelle Zannes

Communication: The Widening Circle, a creative approach to everyday communication situations. Publication date: November 1980, Addison Wesley Publishing Company.

6. Activities in Learned and Professional Societies

Jean M. Civikly

Attended Speech Communication Association convention, San Antonio, November 1979.

Attended Western Speech Communication Association convention, Los Angeles, February 1979. Chairperson, Speech Communication Education Interest Group, WSCA, 1979.

Presented paper, "Anatomical Sex and Self-Disclosure: Topic, Situation and Relationship Considerations" (with L. B. Rosenfeld and J. Herron), International Communication Association convention, Philadelphia, May 1979.

Kenneth D. Frandsen

Attended convention and chaired program, International Communication Association, Philadelphia, May 1979.

Attended Speech Communication Association convention, San Antonio, November 1979; presented paper; elected to nominating committee of college and university section.

Associate Editor, Communication Quarterly.

Referee, Human Communication Research.

Richard J. Jensen

Presented paper, "Ethnocentrism and Rhetoric: Anglo Superiority in New Mexico," Western Speech Communication Association convention, Los Angeles, February 19, 1979.

Presented paper, "The Basic Course in Rhetoric and Mass Communication: An Analytical Pedagogy and Philosophical Perspective," Western Speech Communication Association convention, Los Angeles, February 21, 1979 (with Robert L. Schrag).

Presented paper, "Radical Nationalism Among Chicanos: The Rhetoric of Jose Angel Gutierrez," Speech Communication Association convention, San Antonio, November 12, 1979.

Professional Offices held:

President, New Mexico Communication Association.

Editor, NewMexiCom (New Mexico Communication Journal)

Vice-Chair, Rhetoric and Public Address Interest Group, Western Speech Communication Association.

Member, Membership Committee, Western Speech Communication Association.

Associate Editor, Western Journal of Speech Communication.

Edmund P. Kaminski

"The Effect of Differing Editing Techniques on Juror Responses," a paper presented at the Western Speech Communication Association convention, Los Angeles, February 1979 (with N. E. Fontes and G. R. Miller).

Timothy G. Plax

Presented paper, "A Meaning Theory of Media Portrayals," Southwestern Social Science Association Convention, Fort Worth, 1979.

6. Activities in Learned and Professional Societies

Timothy G. Plax (cont'd)

"Media Traditions in the Portrayal of Criminal Insanity,"
 Comunicacion y Educacion, Buenos Aires, Argentina, 1979.
 Chairman, Behavioral Science Interest Group, Western
 Speech Communication Association.

Lawrence B. Rosenfeld

"Legal Representation at Welfare Fair Hearings: A Descriptive Study of the 'Lawyer Effect'," a paper presented at the International Communication Association convention, Philadelphia, May 1979.

"Sex Differences and Democratic Leadership Behavior," a paper presented at the Western Speech Communication Association convention, Los Angeles, February 1979.

Editor, Western Journal of Speech Communication.

Member of various committees and boards for several organizations.

Janice E. Schuetz

Appointed to National Committee on Accountability in Governmental Communication, Speech Communication Association.

Referee, Western Speech Communication Journal and Quarterly Journal of Speech.

Attended Western Speech Communication Association convention, Los Angeles, February 1979; chaired two convention programs, presented three papers.

Barry K. Spiker

Attended Speech Communication Association convention, San Antonio, 1979.

Estelle Zannes

Member of executive committee for Electronic Crime-Countermeasures Conference and planning committee for international conference in Berlin, 1980.

7. Other Professional Activities

Jean M. Civikly

"Barriers to Communicating Effectively with the Public," New Mexico Cosmetology Seminar, August 1979.

"Friendship: Development and Dissolution," UNM General Honors Program, April 20, 1979.

Kenneth D. Frandsen

Manuscript reviewer, Prentice-Hall, Wadsworth, and Macmillan Publishing Company.

Richard J. Jensen

Judge, Tierra Del Sol Toastmistress Club Speech Contest, March 7, 1979.

Workshop on Public Speaking, City of Albuquerque, April 26-27, 1979.

47. Other Professional Activities

1030

Lawrence B. Rosenfeld

Consultant for Lovelace-Bataan Medical Center.

Janice E. Schuetz

Consultant for Albuquerque Aging Coalition and State Aging Coalition.

Barry K. Spiker

Consultant to National Secretaries Association.

Consultant to Lovelace-Bataan Hospital Primary Management Training.

Estelle Zannes

Executive producer for 26 shows Albuquerque Now, aired on KNME-TV.

Consultant for City of Albuquerque on Communication problems, Public Information Office and Cable TV.

8. Non-teaching University Service

Jean M. Civikly

Associate Faculty, Linguistics Department.

Library Liaison, Speech Communication Department.

Kenneth D. Frandsen

Chairman, Department of Speech Communication

Member, University TV/Film Council

Richard J. Jensen

Member, University of New Mexico Press Committee.

Member, Arts and Sciences Graduate Committee.

Faculty Advisor, Speech Communication Graduate Assn.

Participant, Recruitment Calling Campaign for Office of School Relations.

Participant, UNM Ambassador Program.

Timothy G. Plax

Member, University Research Policy Committee.

Chairperson, Arts & Sciences Human Subjects Committee.

Member, Arts & Sciences Social Sciences Promotion Committee.

Member, John Poarc's Doctoral Dissertation Committee, Department of Special Education.

Chairperson, Graduate Committee, Department of Speech Communication, 1977-1979.

Lawrence B. Rosenfeld

Member, Arts & Sciences Promotion Committee, 1979-1980.

Barry K. Spiker

Director of Forensics.

9. Public ServiceRichard J. Jensen

Lector and Minister of Cup, Aquinas Newman Center

Timothy G. Plax

Lecture to Albuquerque Junior League, Spring 1979.

Lecture to Albuquerque P.E.O., Fall 1979

Lawrence B. RosenfeldWriting column for New Mexico Business Journal.Janice E. Schuetz

Workshops for Campus Spurs, 1979.

Workshops for Church groups, 1979.

Barry K. SpikerAdvisor to Albuquerque High School Forensics (coaching/
workshops).Estelle Zannes

Member, Mayor's Advisory Group on Women in Government.

Video-taped church choirs for Greek Orthodox Church.

Assisted Council of Churches in Cable-TV access.

10. Personal InformationKenneth D. Frandsen

Married Sonja Bokoch, November 24, 1979.

UNIVERSITY OF NEW MEXICO FORENSICS PROGRAM

ANNUAL REPORT

1979-1980

Submitted by

Barry K. Spiker, Director of Forensics

Department of Speech Communication

Introduction

The forensics program at the University of New Mexico underwent major changes in the 1979-80 academic year. These changes involved personnel, policies and procedures, and budget size, as well as the program's philosophy and goals. Though these changes were substantial in their impact upon the program, the UNM forensics team had a very successful year in both competitive and non-competitive activities.

Philosophy of UNM Forensics

The general objectives of the forensics program are to provide forensics awareness and forensics education to the general university community and to the larger community of Albuquerque. To that end, we have sought a broad-based level of participation from our students in a balance of competitive and non-competitive forensics activities. In short, we have attempted to promote the cultivation of good-will and support for the academic department, the University and the state of New Mexico. We have attempted to introduce our students to a full range of activities that offer the opportunity for learning practical skills, criticism, research, and public service. This report will demonstrate that the forensics program has attained much of its goals for the university and for its program participants.

Participation and Awards in Competitive Forensics

Over 30 students participated in some capacity in forensics this year at the University of New Mexico. These students were primarily involved in travel and competition at various colleges and universities around the state of New Mexico. With demonstrated help from the Dean of the College of Arts and Sciences, UNM was able to compete at 16 tournaments this past year.

Without the Dean's support, UNM would have been able to compete at 10 tournaments. The tournaments UNM attended in 1979-80 and the various awards and distinctions the students brought to the university were:

1979-1980 Tournament Results

University of Arizona

Travelers: 4 students, 1 coach

Awards: Excellent/Debate - Robert Hampton and Jon King

Texas Tech University

Travelers: 7 students, 1 coach

Awards: 1st Oratory - Bruce Donisthorpe
4th Extemp - Rose Barrett

Colorado College

Travelers: 11 students, 2 coaches

Awards: 2nd Extemp - Bruce Donisthorpe
2nd Informative - Anne Thomas
Octa's Jr. Debate - Denise Maes and Murle Riley

U.S. Air Force Academy

Travelers: 9 students, 2 coaches

Awards: 4th overall school sweepstakes
1st Oratory - Dan Ramczyk
1st Informative - Anne Thomas
3rd Extemp - Dan Ramczyk
4th Extemp - Leslie Whited
Semi's Extemp - Bruce Donisthorpe
Semi's Prose - Anne Thomas
9th Speaker NDT debate - Dan Ramczyk
1/4's NDT debate - Leslie Whited and Dan Ramczyk

University of Southern California

Travelers: 4 students

Awards: 4th Oratory - Bruce Donisthorpe
5th Extemp - Dan Ramczyk

U.C.L.A.

Travelers: 4 students

Awards: 2nd Radio Speaking - Bruce Donisthorpe
 3rd Communication Analysis - Leslie Whited
 3rd Impromptu - Robert Hampton
 4th Extemp - Leslie Whited

El Paso Community College

Travelers: 4 students, 1 coach

Awards: 1st Expository - Camille Bammes
 4th Expository - Murle Riley
 1st Impromptu - Camille Bammes

University of Texas - El Paso

Travelers: 6 students, 1 coach

Awards: 1st NDT debate - Denise Maes and Bruce Donisthorpe
 3rd NDT debate - Jon King and Robert Hampton
 2nd Speaker NDT debate - Robert Hampton
 4th Speaker NDT debate - Jon King
 4th Oratory - Bruce Donisthorpe
 Semi's Oratory - Camille Bammes
 4th ADS - Camille Bammes

University of Delaware

Travelers: 1 student

Awards: None

University of Utah

Travelers: 1 student

Awards: 4th After Dinner Speaking - Camille Bammes
 4th Poetry Interpretation - Camille Bammes
 2nd Expository Speaking - Camille Bammes

University of Southern Colorado

Travelers: 10 students, 2 coaches

Awards: 3rd Poetry Interpretation - Camille Bammes
 5th Extemp - Bruce Donisthorpe
 5th Oratory - Bruce Donisthorpe
 5th Communication Analysis - Anne Thomas
 2nd Expository - Camille Bammes
 4th Expository - Anne Thomas

University of Arizona

1036

Travelers: 9 students, 2 coaches

Awards: Semi's Dramatic Interp. - Rose Barrett
Semi's Impromptu - Bruce Donisthorpe
Semi's Oratory - Bruce Donisthorpe
6th Expository - Anne Thomas
4th Poetry - Camille Bammes
3rd Expository - Camille Bammes

DSR-TKA National Conference - University of Denver

Travelers: 4 students, 1 judge

Awards 5th Individual Events School Sweepstakes
8th Persuasion - Bruce Donisthorpe
6th Persuasion - Camille Bammes
6th Extemp - Bruce Donisthorpe
4th Impromptu - Camille Bammes
3rd After-Dinner - Camille Bammes

District IX N.I.E.T. Qualifier - U.S.A.F. Academy, Colorado

Travelers: 7 students, 2 coaches

Awards: Semi's - Dramatic Interp - Rose Barrett
Extemp - Robert Hampton
Prose - Anne Thomas
Communication Analysis - Anne Thomas
Communication Analysis - Leslie Whited
Oratory - Camille Bammes
Impromptu - Leslie Whited

2nd School Sweepstakes

6th Impromptu - Bruce Donisthorpe
*6th Prose - Camille Bammes
6th Extemp - Dan Ramczyk
5th A.D.S. - Camille Bammes
*5th Extemp - Bruce Donisthorpe
*5th Poetry - Camille Bammes
*4th Dramatic Duo - Dan Ramczyk and Anne Thomas
6th Expository - Anne Thomas
*3rd A.D.S. - Anne Thomas
*3rd Communication Analysis - Dan Ramczyk
*2nd Oratory - Dan Ramczyk
*2nd Impromptu - Camille Bammes

*Denotes National Tournament Qualifier

National Individual Events Tournament - U.S.A.F. Academy, Colorado

Travelers: 4 students, 2 coaches

Awards: 12th School Sweepstakes

Quarter Finalists After Dinner Speaking - Anne Thomas

Oratory - Dan Ramczyk

5th Informative - Camille Bammes

1st Impromptu - Camille Bammes

11th Individual Sweepstakes - Camille Bammes

107th Interstate Oratorical Championships - Denver, Colorado

Travelers: 1 student, 1 coach

Awards: 3rd place - Dan Ramczyk, State of New Mexico's representative

UNM also finished fifth nationally at the Delta Sigma Rho-Tau Kappa Alpha National Conference, with one of the smallest squads represented at the tournament.

The finest achievement for UNM was perhaps at the District Individual Events Tournament (N.I.E.T.) where UNM placed second to a much larger Air Force Team in overall sweepstakes. Other schools represented were from Utah, Wyoming, Colorado, Arizona, Eastern Montana and Western Texas.

Finally, UNM finished higher than ever before in its history of forensics by placing 12th in the nation at the National Individual Events Tournament. This was the crowning achievement of a most successful competitive forensics program.

Non-Competitive Forensics

University forensic programs should take an active role in providing services to the academic and non-academic communities. UNM began an aggressive program this past year of non-competitive involvement in the Albuquerque and university community.

In Albuquerque high schools, the UNM forensic squad members "logged" over 800 person/hours in assisting six local high school forensic programs. In addition, two workshops were held for high school individual eventers and Lincoln-Douglas debaters. On over 12 occasions, UNM provided judges for local and state-wide high school tournaments in addition to hosting the New Mexico High School Debate Qualifier. Finally, a high school forensics workshop will be taking place on UNM's campus this July. Over 800 invitations have been mailed to high schools throughout the West and Midwest.

In the Albuquerque community, UNM has provided judges for the Toastmasters, Optimists, and Boy Scouts oratory contests. Five such contests were held this past year, with UNM personnel taking part in administrating and judging each event.

On UNM's campus, the forensics team provided great speakers/debaters for a number of college classes. In addition, the forensics team worked with the UNM Department of School Relations in three separate recruitment programs: "Call-in Campaign," "Sneak Preview," and "Discover UNM Day" for high school students. UNM also participated in the National Discussion Contest and provided high school students with examples of an appropriate discussion.

Finally, UNM hosted one of the largest college forensics tournaments in its recent history. Nearly 25 colleges and universities sent over 350 students to UNM's campus for three days of competition. A large majority of these students who attended the Wayne C. Eubank Invitational had expressed that the tournament was the finest they had ever attended. Certainly, the over 100 awards offered at the tournament was the largest number presented at any one tournament in the West.

As a close to the non-competitive program, it is important to note the progressional involvement of the directors of UNM's forensic team. Both Dr. Barry Spiker and Mr. John Reynolds have been elected to regional and national forensics offices. A new scholarship policy has been adopted and a statement of goals for UNM forensics has been prepared. Spiker has attended two national conventions and participated in panel discussions on forensics. It is fitting that a well-rounded forensics program include the continuing education of the personnel managing such a program.

Future Programs in Forensics at UNM

This section of the report will focus on the growth of programs that we offer presently and on the addition of several new programs. We hope that UNM will become "partners" with the Youth Development, Inc. in Albuquerque. This non-profit service program is working presently with the culturally disadvantaged in the south and north valleys of Albuquerque. We hope to provide counsel and assistance in training YDI's counselors in public speaking, research and interviewing skills--skills that can be offered to youth in the north and south valleys. A meeting with the YDI Board has been scheduled for this summer.

The development of a Forensic Alumni Association is another activity that will begin this Summer. We are gathering the names of past UNM forensics student participants from various sources including associations, old trophies and journals. We hope that this alumni association can become involved in future activities and in generating financial or scholarship assistance for current UNM forensics students. A newsletter will be sent to participating alumni to keep them abreast of what is happening in the current program.

"Forensic Week" would be a new event next year. This event would include a week-long celebration of forensics on UNM's campus. Guest speakers, special programs, symposia and a workshop would be scheduled for high school coaches and students. The week would conclude with a banquet and awards ceremony sponsored by the Speech Communication Department.

Finally, more frequent participation of our students in "Public Audience Debates" and in the "Individual Events Showcase" would be anticipated. The subject matter of these events would be current issues and themes of interest to the UNM campus and to the community of Albuquerque.

Conclusion

The future of UNM forensics will depend on the amount of support that is generated by the students involved, by the department, and by the entire University community. In 1979-80, UNM had one of its most successful years in forensics. The achievements of students representing UNM equaled or exceeded those of students representing institutions where the level of budgetary support is substantially higher than it is at UNM. However, the current level of support is inadequate. Our current level of funding means that, with increased costs and inflation, UNM forensics will suffer a reduction of approximately 18% below the 1979-1980 initial level of support. When the supplementary allocations from the College of Arts and Sciences during 1979-80 are included in the calculation of this year's level of support, this decrease for the 1980-81 year is even greater. Presently we are seeking financial support from the UNM student government. If we do not receive additional financial support, we can expect to limit travel to approximately 35 to 40 percent fewer tournaments.

This decrease in activity will reduce the quality of the non-competitive program because students need to compete to gain the experience necessary for non-competitive activities. Presently, we do not offer a curriculum in Speech Communication that would provide the sort of experience that is necessary. Of course, this is only one of many reasons why our students should travel to tournaments offered on other campuses. In an effort to reduce our per person travel and tournament costs, we have limited the daily meal allowance to \$2-\$3 per day per student, placed four and five students to a room in budget motels, traded-off entry fees with schools attending our own tournament, mandated competitors to compete in several tournament events, and required our coaches/judges to accept judging overloads at each tournament attended to reduce the net cost of our entry. All of these measures tax personal resources and drain energy to a point where our students and coaches may not be performing as well as they could. One solution to this problem would be to have a very limited squad size or a "star" program. This solution would necessitate changing our educational goal of allowing many students the chance to compete in forensics to allowing only a select few. However, this is an inappropriate solution because a program cannot develop or mature unless novice competitors attend tournaments early in their college lives. This solution would create a subtle form of prejudice against aspects of the noncompetitive program (e.g., assistance to local high schools) because some high schools (with less financial support from school boards) do not offer forensics as a part of their curricula and must depend on voluntary assistance from UNM representatives. Without experienced volunteer assistants, the quality of these high school programs would be lower and our service to the community would be

less effective. The advantages of participating in forensics can be cogently documented, if a balance between competitive and non-competitive programs can be achieved. One aspect of the program feeds and supports the other, and UNM is special in that we offer this "balanced" philosophy. The decision to support forensics at UNM and the determination of how that support is generated should be reviewed by the faculty in Speech Communication and the participants as soon as possible.

At an institution of higher education, forensics is one of the only activities whereby the institution is represented by students in an academic or co-curricular fashion. Because of the academic character of forensics activities, because of the community service it provides, and because of the current strength of forensics at this institution, the entire university community should fund or support this program in a manner commensurate with the manner in which other state institutions support similar programs. Forensics at UNM is a visible, successful, low cost/per student activity that needs increased financial support in order to achieve its long-range goals.

Finally, the UNM forensics program should be regarded as a university activity because participants reflect all disciplines and not merely Speech Communication. When the forensic team is out of the UNM environment, it represents the University of New Mexico and not a special department or college.

As a postscript to this report, I directly want to thank the Speech Communication Department, its chairperson, faculty and secretaries for all of the support, physical and moral, that they have given to the program. A major "thank you" also goes to John Reynolds, my assistant, and his spouse, Christina, for labors of love that surpassed any amount of

remuneration. To a number of graduate students in the Speech Communication Department, to the UNM Forensic Union, to Dean Wollman, and to all the students who participated, thank you. It really has been a successful year because of your efforts.